Box 447

Telephone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois
62982

ORIGINAL COPY
O. M. E.
RECEIVED
JUL 10 1975
INITIALS | COPY
HK | —

July 2, 1975

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
National Center, Mail Stop 953
12201 Sunrise Valley Drive
Reston, VA 22092

Re: OME-6873 (Fluorspar, et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed are copies of the payroll sheets which should have been included with the last Stage IV voucher. These are for November and December. Considerable time beyond the allocated half time for two months was spent on the assay project.

With best regards,

Sincerely,

Joseph A. Porter

JAP:km
Enc. 2

TRAIN CABOT INC 006548824

EARNINGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
REGULAR		75000	FED. TAX	11267	STATE TX	1458	GROSS PAY	1725000
			GRP INS	1120			F.I.C.A.	77220
							FED. TAX	259141
							STATE TAX	33534
							FOR PERIOD ENDING	12-15-74
							NET PAY	611.55
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			13845		

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
75MM 3-74

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 006616756

EARNINGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
REGULAR		75000	FED. TAX	11267	STATE TX	1458	GROSS PAY	1800000
			GRP INS	1120			F.I.C.A.	77220
							FED. TAX	270408
							STATE TAX	34992
							FOR PERIOD ENDING	12-31-74
							NET PAY	611.55
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			13845		

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
75MM 3-74

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 006469972

EARNINGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
REGULAR		75000	FED. TAX	11267	STATE TX	1458	GROSS PAY	1575000
			GRP INS	1120			F.I.C.A.	77220
							FED. TAX	236607
							STATE TAX	30618
							FOR PERIOD ENDING	11-15-74
							NET PAY	611.55
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			13845		

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
75MM 3-74

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 006518638

EARNINGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
REGULAR		75000	FED. TAX	11267	STATE TX	1458	GROSS PAY	1650000
			GRP INS	1120			F.I.C.A.	77220
							FED. TAX	247874
							STATE TAX	32076
							FOR PERIOD ENDING	11-30-74
							NET PAY	611.55
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			13845		

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
75MM 3-74

STATEMENT OF EARNINGS AND DEDUCTIONS

FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

OFFICIAL COPY O. M. E. RECEIVED 4 1975 INITIALS CO. HK

OPERATOR'S MONTHLY VOUCHER

For Month of Dec. - May 1975 (Final) (inclus.)

Stage IV
Pocket No. OME- 6873
Contract 14-08-000 2306
Contract Amount $ 10,000.00
Gov't Participation % 50 $5,000.00

Operator's Name Hicks Dome Account c/o Gilbert Kerlin Esq.
Address Shearman and Sterling, 53 Wall St. New York, NY 10005

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
Category (7)		$		$		$		$
Geologic Services	2	1000.00	2	1000.00	2 1/	1,000.00	2	1,000.00
Assays Lead	-	-	99	198.00	--	--	99	198.00
Zinc	-	-	99	198.00	--	--	99	198.00
Niobium	111	555.00	214	1070.00	111	555.00	214	1,070.00
Beryllium	119	357.00	221	663.00	119	357.00	221	663.00
X-Ray Flour	119	595.00	229	1145.00	119 2/	595.00	229	1,145.00
TOTALS		$2,507.00		$ 4,274.00		$2,507.00		$ 4,274.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date June 19, 1975 *Payee Hicks Dome Account
Joseph A. Porter
Per Joseph A. Porter Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Kirkham Chief OME ~~Field Officer~~ 6/23/75 Date

(63) 14X0804

Approved for: $ 1,253.50 (SUBJECT TO AUDIT)

Signature EAN

Date JUN 25 1975 Vou. No. R 5400A

(SEE OTHER SIDE)

FOR OPERATOR'S USE

.RKS

Assay certificates and assay graphs for each hole are being forwarded under separate cover.

BRANCH OF FINANCIAL MANAGEMENT
JUN 25 1975
RECEIVED
FISCAL ACCOUNTS

FOR GOVERNMENT USE

REMARKS

1/ The term "Geologic Services" includes "Sample selection, field preparation and data interpretation" described in Stage IV, Actual Costs, Category (7), page 3 of Amendment No. 4.

2/ The term "X-ray Flour." corresponds to the term "Emission spectrographic scans" described in Stage IV, Actual Costs, Category (7) page 3 of Amendment No. 4.

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.
FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for ent of the Government's share of the cost.
SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations tered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.
The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each h during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. Items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's of the costs. The Operator or his agent must sign the certification in the lower left corner.
Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or es, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, yee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by gnature of the Operator or his agent. One copy of each document should accompany the original of this voucher.
The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is cticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to ent of the final Operator's Monthly Voucher.

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 5714
JOB NO.: 138023
P. O. NO.:

DATE: March 21, 1975

TERMS: NET 30 DAYS

SOLD TO: Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

OME-9 (Hamp 8)

Analysis of 31 Pulp Samples

31 Niobium @ $5.00	$ 155.00
31 Beryllium @ $3.00	93.00
31 X-Ray Fluorescence Scan @ $5.00	155.00
TOTAL	$ 403.00

CERTIFIED TRUE COPY

ORIGINAL INVOICE

BRANCH OF FINANCIAL MANAGEMENT
JUN 25 1975
RECEIVED
FISCAL ACCOUNTS

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033

TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 5729
JOB NO.: M-2304-A
P. O. NO.:

DATE: March 24, 1975

TERMS: NET 30 DAYS

SOLD TO: Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

OME-7 (FSB-2)

Analysis of 40 Pulp Samples

32 Niobium @ $5.00	$ 160.00
40 Beryllium @ $3.00	120.00
40 X-Ray Fluorescence Scan @ $5.00	200.00
TOTAL	$ 480.00

CERTIFIED TRUE COPY

Joseph A. Porter

ORIGINAL INVOICE

BRANCH OF FINANCIAL MANAGEMENT
JUN 25 1975
RECEIVED
FISCAL ACCOUNTS

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033

TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 5210
JOB NO.: 138016
P. O. NO.:

DATE: January 14, 1975

TERMS: NET 30 DAYS

SOLD TO: Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

OME-2 & OME-3

Fredricks 1 & Pankey 3

Analysis of 48 Pulp Samples

48 Niobium @ $5.00	$ 240.00
48 Beryllium @ $3.00	144.00
48 X-Ray Fluorescence Scan @ $5.00	240.00
TOTAL	$ 624.00

CERTIFIED TRUE COPY

ORIGINAL INVOICE

BRANCH OF FINANCIAL MANAGEMENT
JUN 25 1975
RECEIVED
FISCAL ACCOUNTS

FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

OFFICIAL COPY O. I. M. E. RECEIVED JAN 2 1975

St

OPERATOR'S MONTHLY VOUCHER

For Month of April - November (inclus.) 1974

Docket No. OME- 6373 | BITIALS HK | CODE AAA

Contract 14-08-0001 2306

Contract Amount $ 124,180.00

Gov't. Participation % 50 $ 62,090.00

Operator's Name Hicks Dome Account c/o Gilbert Kerlin Esq.

Address Shearman and Sterling, 53 Wall St. New York, NY 10005

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Stage III		$		$		$		$
Category (1)								
Dozing, Hours	-	-	50	625.00	--	--	50	625.00
Wagon (transport)	-	-	22	88.00	--	--	22	88.00
Rotary (demol.)	-	-	½	175.00	--	--	0.5	175.00
Drilling, rotary 0-500	500	1675.00	3437	14,923.00	500	1,675.00	3437	14,923.00
Service Time	-	-	400	7,880.00	--	--	400	7,880.00
Mud	-	-	226.5	1,004.70	--	--	226.5	1,004.70
1 Casing lost	79.5	119.25	1115.6	1,673.40	79.5	119.25	1115.6	1,673.40
Core drilling, mobil.	-	-	.5	400.00	--	--	0.5	400.00
Set-up/casing	-	-	49	955.50	--	--	49	955.50
Coring NX 500-1000	500	2900.00	1824	9,903.80	500	2,900.00	1824	9,903.80
1000-1500	500	3175.00	1957.7	11,617.35	500	3,175.00	1957.7	11,617.35
1500-2000	397	2759.15	1397	9,334.15	397	2,759.15	1397	9,334.15
2000-2500	-	-	522	3,902.90	--	--	522	3,902.90
2500-3000	-	-	16	129.60	--	--	16	129.60
BX 500-1000	-	-	500	2,850.00	--	--	500	2,850.00
1000-1500	-	-	727.3	4,500.96	--	--	727.3	4,500.96
1500-2000	103	684.95	1103	7,059.55	103	684.95	1103	7,059.55
2000-2500	500	3725.00	1838	12,997.70	500	3,700.00 1/	1838	12,972.70
2500-3000	9	670.05	406	3,846.05	9	72.00 2/	406	3,248.00
Excess bit costs	-	-	902	586.30	--	--	902	586.30
Casing shoes	-	-	3	583.44	--	--	3	583.44
Reaming	-	-	3	67.50	--	--	3	67.50
Instal/remove casing	-	-	19	370.50	--	--	19	370.50
Standby (survey)	8.5	212.50	73.5	1,431.25	8.5	159.38 3/	73.5	1,378.13
Cement (hole stab.)	-	-	60	1,170.00	--	--	60	1,170.00
Wedge	-	-	1	230.63	--	--	1	230.63
Lost/damg. NX casing	-	-	130	377.00	--	--	130	377.00
Category (2)								
Supervisor - Geol.	1.3	1820.00	6.8	9,520.00	1.3	1,820.00	6.8	9,520.00
Assistant Geol.	2.44	1712.43	6.44	4,512.43	2.44	1,712.43	6.44	4,512.43
Sampler	-	-	2	247.57	--	--	2	247.57
Category (3)								
2 Core boxes	269.9	337.37	1207.9	1,509.87	269.9	337.37	1207.9	1,509.87
Sample bags	14	7.00	87	43.50	14	7.00	87	43.50
TOTALS		$		$		$ (continued)		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 12-19-74 *Payee Hicks Dome Account

Per Joseph A. Porter Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer Date

(63) 14X0804

Approved for: $ 9,423.31 (SUBJECT TO AUDIT)

Signature FHW

Date JAN 16 1975 Vou. No. 5697A

(SEE OTHER SIDE)

FOR OPERATOR'S USE

REMARKS

1. As with previous holes 4" casing was taken out of inventory and left in the hole.

2. Core boxes were taken out of inventory, shown on previous invoices. Number used was calculated as follows:

Depth of hole	2509.0
Surface, rotary	79.5
Total cored	2429.5

2429.5 ÷ 9' per box = 269.9 boxes

269.9 x $1.25 = $337.37

Pg. 2

FOR GOVERNMENT USE

REMARKS

1/ Claimed $3,725.00
Allow 3,700.00
Disallow $25.00
Contract allows $7.40/ft.--claimed at $7.45/ft.

2/ Claimed 670.05
Allow 72.00
Disallow 598.05
Contract allows $8.00/ft.--claimed at $74.45/ft.

3/ Claimed 212.50
Allow 159.38
Disallow 53.12
Contract allows $18.75/hr. claimed at $25.00/hr.

TOTAL DISALLOWANCES $676.17

4/ Claimed $17,079.61
Allow 17,079.~~89~~ 69
Operator's error in addition.

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

ORM 9-1648
ARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage III & IV

OPERATOR'S MONTHLY VOUCHER

For Month of April - November (inclus.) 1974

Operator's Name: Hicks Dome Account c/o Gilbert Kerlin Esq.
Address: Shearman and Sterling, 53 Wall St. New York, NY 10005

Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $ 124,180.00
Gov't. Participation % 50 $ 62,090.00

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (7)		$		$		$		$
Secretarial - Office	.8	120.00	6.8	1020.00	0.8	120.00	6.8	1,020.00
Survey Instr. rent	-	-	1	513.36	--	--	1	513.36
CaF2 Spec. Ion	50	101.00	76	159.00	50	101.00	76	159.00
CaF2 (wet assay)	82	328.00	155	620.00	82	328.00	155	620.00
BaSO4 (wet assay)	82	246.00	155	465.00	82	246.00	155	465.00
Other Assays	253	694.50	311	883.50	253	694.50	311	883.50
Spectro. analysis	10	90.00	31	300.00	10	90.00	31	300.00
Stage III Totals		21377.12		118477.51		20,701.03		117,801.34
Amt. over contract allow.		4297.51		4297.51		3,621.34		3,621.34
Claimed Stage III		17,079.61		114,180.00		~~17,079.69~~ 41/		~~114,180.00~~
Stage IV								
Category (7)								
Assays Lead	99	198.00	99	198.00	99	198.00	99	198.00
Zinc	99	198.00	99	198.00	99	198.00	99	198.00
Niobium	103	515.00	103	515.00	103	515.00	103	515.00
Beryllium	102	306.00	102	306.00	102	306.00	102	306.00
X-Ray Flour.	110	550.00	110	550.00	110	550.00	110	550.00
Stage IV Totals		1767.00		1,767.00		1,767.00		1,767.00
Stage III & IV		18846.61		115,947.00	Allowable at 50%			115,947.00
Stage I Total				73,385.59	Allowable at 50%			73,385.59
Stage II				63,676.52	Allowable at 35%			63,676.52
TOTALS Stage III & IV		$ 18,846.61		$ 253,009.11		$ 18,846.69		$ 253,009.11

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 12-19-74 *Payee Hicks Dome Account
Joseph A. Porter
Per [signature] Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Kirkham Chief, OME ~~Field Officer~~ Date 1/15/75

Approved for: $
(SUBJECT TO AUDIT)

Signature

Date JAN 16 1975 Vou. No. 05697A

(SEE OTHER SIDE)

Postage IV

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY
50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

E

INVOICE NO.: 3482
JOB NO.: 138006
P. O. NO.:

DATE: August 1, 1974

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

Hole No. FSB-1 (OME-5)

Analysis of 33 Pulp Samples

26 Lead (Assay) @ $2.00	$	52.00
26 Zinc (Assay) @ $2.00		52.00
26 Niobium @ $5.00		130.00
26 Beryllium @ $3.00		78.00
33 X-Ray Fluorescence Scans @ $5.00		165.00
TOTAL	$	477.00

CERTIFIED TRUE COPY

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 3483
JOB NO.: 138005
P. O. NO.:

DATE: August 1, 1974

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

Hole No. Hamp 5 (OME-1)

Analysis of 22 Pulp Samples

18 Lead (Assay) @ $2.00	$ 36.00
18 Zinc (Assay) @ $2.00	36.00
22 Niobium @ $5.00	110.00
21 Beryllium @ $3.00	63.00
22 X Ray Fluorescence Scans @ $5.00	110.00
TOTAL	$ 355.00

CERTIFIED TRUE COPY

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 4460
JOB NO.: 138010
P. O. NO.:

DATE: October 21, 1974

TERMS: NET 30 DAYS

SOLD TO: Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

Hamp 6 (OME-4)

Hamp 7 (OME-6)

Analysis of 55 Pulp Samples

55 Lead (Assay) @ $2.00	$ 110.00
55 Zinc (Assay) @ $2.00	110.00
55 Niobium @ $5.00	275.00
55 Beryllium @ $3.00	165.00
55 X-Ray Fluorescence Scan @ $5.00	275.00
TOTAL	$ 935.00

CERTIFIED TRUE COPY

PLICATE INVOICE

SPRAGUE & HENWOOD, Inc.

SCRANTON 2, PA., U. S. A.

C 16626

ADDRESS ALL COMMUNICATIONS
TO MAIN OFFICE
BOX 446
SCRANTON 2, PA.

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING - SOIL SAMPLING - PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

CH-077-002

Hicks Dome Account
Hicks Dome, Illinois

LOCATION

Hicks Dome, Illinois
PARTIAL BILLING

VIA.

E DATE	INVOICE NO.	YOUR ORDER NO.	ORDER DATE	TERMS:	CONT. NO.	ENTERED BY:
1/74	99905			NET CASH 10 days NO DISCOUNT ALLOWED	15,884	

DESCRIPTION

o charge account for NX-BXW/L drilling at the above mentioned site in the period arch 1, 1974 to March 29, 1974 -

OLE NO. F-2 - Completed 3/13/74, depth 2,467'
(OME-10) Previously billed 1,980'
487'

TEM 2 - Core drilling -

NXW/L - 1,980' to 2,000' - 20' @ $6.25/L.F.....$ 125.00
2,000' to 2,022' - 22' @ $6.95/L.F.....$ 152.90
BXW/L - 2,022' to 2,467' - 445' @ $6.65/L.F.....$2,959.25

TEM 4 - Moving between sites, setting casing, cleaning out holes, surveying holes -

DATE	REMARKS	HOURS
3/13/74	Surveying	9
3/15/74	Moving	9
3/18/74	Setting up	7

25 Hrs. @ $25.00/hr.....$ 625.00

TEM 5 - Standby time -
3/14/74 - 4½ hrs. @ $19.00/hr.....$ 85.50

OLE NO. F-3 - Not completed - Depth 619'
(OME-12)

CERTIFIED TRUE COPY

(CONTINUED)

SUE & HENWOOD, INC.

SECOND SHEET DUPLICATE INVOICE

icks Dome Account
ontract No. 15,884
nvoice No. 99905

rilling surface materials and bedrock to depths of 500' -

DATE	DRILLER'S NAME	HOURS
3/18/74	Sam Grathler	2
3/19/74	Sam Grathler	8
3/20/74	Sam Grathler	10
3/21/74	Sam Grathler	9
3/22/74	Sam Grathler	9
3/25/74	Sam Grathler	4½
3/25/74	Robert Grathler	4½
3/26/74	Sam Grathler	5
3/26/74	Robert Grathler	9
3/27/74	Sam Grathler	6

67 hrs. @ $25.00/hr.....$1,675.00

Core drilling below 500' -
NXW/L - 500' to 619' - 119' @ $5.80/L.F.....$ 690.20

TOTAL AMOUNT DUE THIS INVOICE.....$6,312.85

Note: Diamond bits and reamer shells used for depths from 0' to 500' to be billed at a later date.

CERTIFIED TRUE COPY

INVOICE

SPRAGUE & HENWOOD, Inc.

SCRANTON 2, PA., U. S. A.

C 16667

ADDRESS ALL COMMUNICATIONS
TO MAIN OFFICE
BOX 446
SCRANTON 2, PA.

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING · SOIL SAMPLING · PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

CH-077-002

Hicks Dome Account
Hicks Dome, Illinois

LOCATION Hicks Dome, Illinois
Partial Billing

VIA.

INVOICE DATE	INVOICE NO.	YOUR ORDER NO.	ORDER DATE	TERMS:	CONT. NO.	ENTERED BY:
5/9/74	99933			NET CASH 10 days NO DISCOUNT ALLOWED	15,884	

DESCRIPTION

To charge account for NX-BXW/L drilling at the above mentioned site in the period April 1, 1974 to April 30, 1974 -

HOLE NO. F-3 - Not completed, depth 2,299'
(OME-12) Previously billed 619'
1,680'

Core drilling below 500' depth -

NXW/L - 619' to 1,000' - 381' @ $5.80/L.F.....$ 2,209.80
1,000' to 1,500' - 500' @ $6.35/L.F.....$ 3,175.00
1,500' to 1,897' - 397' @ $6.95/L.F.....$ 2,759.15

BXW/L - 1,897' to 2,000' - 103' @ $6.65/L.F.....$ 684.95
2,000' to 2,299' - 299' @ $7.45/L.F.....$ 2,227.55

HOLE NO. ROSE I -

Mobilization and demobilization 2nd drill rig -
LUMP SUM $800.00 @ 50% .....$ 400.00

Drilling surface materials and bedrock to depths of 500' -

DATE	DRILLER'S NAME	HOURS
4/24/74	A. Trapasso	9
4/25/74	A. Trapasso	9
4/26/74	A. Trapasso	9
4/29/74	A. Trapasso	9
4/30/74	A. Trapasso	9

45 hrs. @ $25.00/hr.....$ 1,125.00

CERTIFIED TRUE COPY

(CONTINUED)

HENWOOD, INC. SECOND SHEET INVOICE

..s Dome Account
ntract No. 15,884
voice No. 99933

OLE NO. F-2 - (OME-10)

Use of diamond bits and reamer shells for depth from 0' to 500' -

BIT UMBER	DIA. SIZE	BIT SIZE	VALUE OF NEW DIAMONDS	VALUE OF SALVAGE	DIA. LOSS	BLANK AND SETTING	TOTAL COST
71442	30-40	3½"	195.00	100.90	94.10	35.00	$129.10
71859	40-50	NXWL	275.42	156.92	118.50	44.50	$163.00
72594	40-50	NXWL	301.04	267.18	33.86	44.50	$ 78.36
73568	40-50	NXWL	307.90	241.71	66.19	44.50	$110.69
73569	40-50	NXWL	296.31	277.86	18.45	44.50	$ 62.95
73576	40-50	NXWL	295.09	190.47	104.62	44.50	$149.12
T6854	40-50	NXWL	39.60	25.00	14.60	42.00	$ 56.60

$ 749.82

0 bags cement (per xerox).....$ 29.93

TOTAL AMOUNT DUE THIS INVOICE.....$13,361.20

ote: Diamond bits and reamer shells used for depths from 0' to 500', for Holes F-3 and Rose I, to be billed at a later date.

CERTIFIED TRUE COPY

TRIPLICATE INVOICE

SPRAGUE & HENWOOD, Inc.

SCRANTON 2, PA., U. S. A.

C 16705

ADDRESS ALL COMMUNICATIONS
TO MAIN OFFICE
BOX 446
SCRANTON 2, PA.

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING · SOIL SAMPLING · PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

CH-077-002

Hicks Dome Account
Hicks Dome, Illinois

LOCATION

Hicks Dome, Illinois
(PARTIAL BILLING)

VIA.

CE DATE	INVOICE NO.	YOUR ORDER NO.	ORDER DATE	TERMS:	CONT. NO.	ENTERED BY:
/06/74	99962			NET CASH 10 Days NO DISCOUNT ALLOWED	15884	

DESCRIPTION

o charge account for NX-BXW/L drilling at the above mentioned site in the period
ayl, 1974 to May 31, 1974:

OLE NO. F-3 - Completed 5/03/74 - Depth 2,509'
(OME-12) Previously billed - 2,299'
210'

ore drilling below 500' depth (BXW/L)
2,299' to 2,509' - 210' @ $ 7.45/l.f.....$ 1,564.50

urveying hole -

DATE	DRILLER'S NAME	HOURS
5/03/74	Sam Grathler	2
5/07/74	Sam Grathler	6½

8½ @ $ 25.00/hr.....$ 212.50

LE NO. H-9 - Not completed, depth 310'
Drilling surface materials and bedrock to depths of 500'

DATE	DRILLER'S NAME	HOURS
5/10/74	Sam Grathler	9
5/13/74	Sam Grathler	9
5/14/74	Sam Grathler	9
5/15/74	Sam Grathler	9
5/16/74	Sam Grathler	9
5/17/74	Sam Grathler	9
5/20/74	Sam Grathler	9
5/21/74	Sam Grathler	9
5/22/74	Sam Grathler	5
5/23/74	Sam Grathler	9
5/24/74	Sam Grathler	9
5/25/74	Sam Grathler	-
5/28/74	Sam Grathler	5
5/29/74	Sam Grathler	6
5/30/74	Sam Grathler	5½
5/31/74	Sam Grathler	9

120½ hrs @ $ 25.00/hr $ 3,012.50

CERTIFIED TRUE COPY

HENWOOD, INC. OND SHEET TRIPLICATE INVOICE

Dome Account
Contract No. 15884
Invoice No. 99962

ving between sites and setting up on hole -

DATE	DRILLER'S NAME	HOURS
5/08/74	Sam Grathler	9
5/09/74	Sam Grathler	8

17 hrs. @ $ 25.00/hr.....$ 425.00

LE ROSE I - Not completed, Depth 1,618'
Drilling surface materials and bedrock to depths of 500'

DATE	DRILLER'S NAME	HOURS
5/01/74	A. Trapasso	9
5/02/74	A. Trapasso	9
5/03/74	A. Trapasso	9
5/06/74	A. Trapasso	9
5/06/74	Robert Grathler	9
5/07/74	A. Trapasso	9
5/07/74	Robert Grathler	9
5/08/74	A. Trapasso	2

65 hrs. @ $ 25.00/hr.....$ 1,625.00

re drilling below 500' depth (NXW/L)

500' to 1,000' - 500' @ $ 5.80/1.f.....$ 2,900.00
1,000' to 1,500' - 500' @ $ 6.35/1.f.....$ 3,175.00
1,500' to 1,618' - 118' @ $ 6.95/1.f.....$ 820.10

Total Amount Due This Invoice.....$13,734.60

TE: Diamond bits and reamer shells used for depths from 0' to 500' for holes F-3, Rose I and H-9 to be billed at a later date.

CERTIFIED TRUE COPY

TRAIN CABOT INC

EARNINGS	HOURS	AMOUNT	DEDUCTIONS		
REGULAR		75000	FICA TAX	4388 FED. TAX	11267
			STATE TX	1458 GRP INS	1120
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS		18233

YEAR TO DATE

FOR PERIOD ENDING 04-15-74

NET PAY 567.67

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
1.5MM 2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC

EARNINGS	HOURS	AMOUNT	DEDUCTIONS		
REGULAR		75000	FICA TAX	4388 FED. TAX	11267
			STATE TX	1458 GRP INS	1120
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS		18233

YEAR TO DATE

FOR PERIOD ENDING

NET PAY

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
1.5MM 2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 005685250

EARNINGS	HOURS	AMOUNT	DEDUCTIONS		
REGULAR		75000	FICA TAX	4388 FED. TAX	11267
			STATE TX	1458 GRP INS	1120
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS		18233

YEAR TO DATE

GROSS PAY	6750
FICA	304
FED TAX	1014
STATE TAX	111

CERTIFIED TRUE COPY

Joseph A Porter

FOR PERIOD ENDING 05-15-74

NET PAY 567.6

April 16, 1974

Mr. Douglas Andersen
P.O. Box 57
Elizabethtown, IL 62931

Dear Doug:

Enclosed find a check in the amount of $435.07 representing wages earned April 1 thru 15, 1974. Amount due was calculated as follows:

		$ 550.00
State Tax	$ 10.56	
Income Tax	72.20	
Social Security	32.17	- 114.93
		$ 435.07

Sincerely yours,

Joseph A. Porter

CERTIFIED TRUE COPY

JAP:kt
Enc. 1

May 1, 1974

Mr. Douglas Andersen
P.O. Box 57
Elizabethtown, IL 62931

Dear Doug:

Enclosed find a check in the amount of $435.07 representing wages earned April 16 thru 30, 1974. Also enclosed is $146.64 for expenses. Amount due was calculated as follows:

		$ 550.00
State Tax	$ 10.56	
Income Tax	72.20	
Social Security	32.17	- 114.93
		$ 435.07

Sincerely yours,

Joseph A. Porter

JAP:kt
Enc. 2

CERTIFIED TRUE COPY

Joseph A. Porter

May 16, 1974

Mr. Douglas Andersen
P.O. Box 57
Elizabethtown, IL 62931

Dear Doug:

Enclosed find a check in the amount of $435.07 representing wages earned May 1 thru May 15, 1974. Amount due was calculated as follows:

		$ 550.00
State Tax	$ 10.56	
Income Tax	72.20	
Social Security	32.17	- 114.93
		$ 435.07

Sincerely yours,

Joseph A. Porter

JAP:kt
Enc. 1

CERTIFIED TRUE COPY

Jerome A. Cooter

June 3, 1974

Mr. Douglas Anderson
P.O. Box 57
Elizabethtown, IL 62931

Dear Doug:

Enclosed find two checks in the amount of $435.07 and $170.80 representing wages earned and expenses incurred May 16 thru 31, 1974. Amount due was calculated as follows:

		$ 550.00
State Tax	$ 10.56	
Income Tax	72.20	
Social Security	32.17	114.93
		$ 435.07
Mileage on personal car - 1220 mi.		$ 170.80

Sincerely yours,

Joseph A. Porter

JAP:kt
Enc. 2

CERTIFIED TRUE COPY

June 15, 1974

Mr. Douglas Andersen
P.O. Box 57
Elizabethtown, IL 62931

Dear Doug:

Enclosed find a check in the amount of $435.07 representing wages earned June 1 thru 15, 1974. Amount due was calculated as follows:

		$ 550.00
State Tax	10.56	
Income Tax	72.20	
Social S.	32.17	- 114.93
		$ 435.07

Sincerely yours,

Joseph A. Porter

JAP:ms
Enc. 1

CERTIFIED TRUE COPY

April 15, 1974

Mrs. Kay Thornberry
P.O. Box 444
Rosiclare, IL 62982

Dear Kay:

Enclosed find a check in the amount of $155.98 representing wages earned April 1 thru 15, 1974. Amount due was calculated as follows:

81½ hrs. x $2.25 =		$ 183.38
S.T.	$ 2.47	
I.T.	14.20	
S.S.	10.73	- 27.40
		$ 155.98

Sincerely yours,

Joseph A. Porter

CERTIFIED TRUE COPY

JAP: kt
Encl. 1

April 30, 1974

Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $138.15 representing wages earned April 16 thru 30, 1974. Amount due was calculated as follows:

71 hrs. x $2.25 =			$ 159.75
SE.	$ 1.85		
I.T.	10.40		
S.S.	9.35		21.60
			$ 138.15

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

STATEMENT

April 3, 1974

TO: Joseph A. Porter
P.O. Box 447
Rosiclare, IL 62982

FROM: Ruth McClendon
P.O. Box 444
Rosiclare, IL 62982

50 sample bags @ $0.50 each = $ 25.00

Ruth McClendon

Ruth McClendon

CERTIFIED TRUE COPY

STATEMENT

TO: Joseph A. Porter
P.O. Box 447
Rosiclare, IL 62982

DATE

June 1974

FROM: V. C. McDonald
P.O. Box 592
Rosiclare, IL 62982

FSB-4 (OME-11)

Please detach and return upper portion with your remittance. $ 329.00

DATE	CHARGES AND CREDITS	BALANCE
	47 CaF_2 samples @ $4.00 each	188.00
	47 $BaSO_4$ samples @ $3.00 each	141.00
		$ 329.00

CERTIFIED TRUE COPY

V.C. McDonald

V.C. McDonald, Chemist

Your Check is Your Receipt

STATEMENT

TO: Joseph A. Porter
P.O. Box 447
Rosiclare, IL 62982

DATE
August 1974

FROM: V. C. McDonald
P.O. Box 592
Rosiclare, IL 62982

Fredricks 2 (OME-10)

Please detach and return upper portion with your remittance. $ 119.00

DATE	CHARGES AND CREDITS	BALANCE
	17 CaF_2 samples @ $4.00 each	68.00
	17 $BaSO_4$ samples @ $3.00 each	51.00
		$119.00

V.C. McDonald

V.C. McDonald, Chemist

Graphic "SNAP-AWAY" Form 41-301 (Single)

Your Check is Your Receipt

CERTIFIED TRUE COPY

STATEMENT

TO: Joseph A. Porter
P.O. Box 447
Rosiclare, IL 62982

DATE
September 1974

FROM: V.C. McDonald
P.O. Box 592
Rosiclare, IL 62982

Fredricks 3 (OME-12)

Please detach and return upper portion with your remittance. $ 126.00

DATE	CHARGES AND CREDITS	BALANCE
	18 CaF_2 samples @ $4.00 each	72.00
	18 $BaSO_4$ samples @ $3.00 each	54.00
		$126.00

CERTIFIED TRUE COPY

V.C. McDonald

V.C. McDonald, Chemist

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 3211
JOB NO.: 138002
P.O. NO.:

DATE: July 11, 1974

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

Fredricks 3 (OME-12)

Analysis of 18 Pulp Samples

6	Zinc (Assay) @ $2.00	$ 12.00
14	Fluorine @ $2.00	28.00
10	Semi-quant spectrographic analysis @ $9.00	90.00
6	Barium @ $4.50	27.00
4	Niobium @ $5.00	20.00
6	Niobium @ $2.00	12.00
13	Thorium @ $1.00	13.00
	TOTAL	$ 202.00

CERTIFIED TRUE COPY

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 3324
JOB NO.: 138003
P. O. NO.:

DATE: July 19, 1974

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

FSB-4 (OME-11)

Analysis of 44 Pulp Samples

5	Lead (Assay) @ $2.00	$ 10.00
28	Zinc (Assay) @ $2.00	56.00
29	Fluorine @ $2.00	58.00
1	Fluorine (>10%)@ $3.00	3.00
25	Barium @ $4.50	112.50
38	Niobium @ $5.00	190.00
36	Thorium @ $1.00	36.00
33	Yttrium @ $2.00	66.00
5	Beryllium @ $2.00	10.00
	TOTAL	$ 541.50

CERTIFIED TRUE COPY

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 2954
JOB NO.: 138001
P. O. NO.:

DATE: June 18, 1974

TERMS: NET 30 DAYS

SOLD TO: Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

Fred 2 (OME-10)

Analysis of 17 Pulp Samples

2	Lead (Assay @ $2.00)	$ 4.00
5	Zinc (Assay @ $2.00)	10.00
6	Fluorine @ $2.00	12.00
17	Thorium @ $1.00	17.00
17	Niobium @ $5.00	85.00
7	Yttrium @ $2.00	14.00
	TOTAL	$ 142.00

CERTIFIED TRUE COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: Hicks Dome Account
c/o Gilbert Kerlin Esq
Shearman and Sterling
53 Wall Street
New York, N.Y. 10005

Amount Claimed:	Differences (Explained Below)	Amount Approved
$9,423.31	For Information Only	$9,423.31

Bu. Voucher No.	Payee's Invoice No.	Period
Ø5697A	Docket#6873 Contract#2306	April - November,1974

EXPLANATION

1. Claimed $3,725.00
   Allow 3,700.00
   Disallow 25.00 Contract ~~xxxxx~~ allows $7.40/ft. claimed at $7.45/ft

2. Claimed $670.05
   Allow 20.00
   Disallow 598.05 Contract allows $8.00/ft, claimed at $74.45/ft.

3. Claimed $212.50
   Allow 159.38
   Disallow 53.12 Contract allows $18.75/hr, claimed at $25.00/hr

4. Claimed $17,079.61
   Allow 17,079.69 Operators error in addition

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

Branch of Budget and Finance

PART I Page 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage III

OPERATOR'S MONTHLY VOUCHER For Month of Jan. Feb. March 1974

Docket No. OME- 6873
Contract 14-08-0001 (2306)
Contract Amount $114,180.00
Gov't. Participation % 50 $57,090.00

Operator's Name c/o Gilbert Kerlin, Esq.
Address Shearman and Sterling, 53 Wall St.
New York, NY 10005

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, hours	30	375.00	50	625.00	30	375.00	50	625.00
Wagon (transport)	22	88.00	22	88.00	22	88.00	22	88.00
Rotary (demobil.)	-	-	½	175.00	--	--	0.5	175.00
Drilling 0-500	1000	5000.00	2937	13,248.00	1,000	5,000.00	2,937	13,248.00
Service time	20	445.00	400	7,880.00	20	445.00	400	7,880.00
Mud	32.5	178.75	172	1,004.71	32.5	178.75	226.5	1,004.70
Casing lost	739.5	1109.25	1036.1	1,554.15	739.5	1,109.25	1036.1	1,554.15
Core drilling, mobil	-	-	½	400.00	--	--	0.5	400.00
Set-up/ casing	20	390.00	59	955.50	20	390.00	49	955.50
Coring NX 500-1000	1000	5400.00	1324	7,003.80	1,000	5,400.00	1324	7,003.80
1000-1500	1000	5925.00	1457.7	8,442.35	1,000	5,925.00	1457.7	8,442.35
1500-2000	1000	6575.00	1000	6,575.00	1,000	6,575.00	1000	6,575.00
2000-2500	522	3902.90	522	3,902.90	522	3,902.90	522	3,902.90
2500-3000	16	134.40	16	134.40	16	129.60 1/	16	129.60
BX 500-1000	-	-	500	2,850.00	--	--	500	2,850.00
1000-1500	-	-	727.3	4,500.96	--	--	727.3	4,500.96
1500-2000	237	1611.60	1000	6,374.60	237	1,611.60	1000	6,374.60
2000-2500	1197	8335.05	1338	9,272.70	1,197	8,335.05	1338	9,272.70
2500-3000	397	3176.00	397	3,176.00	397	3,176.00	397	3,176.00
Excess bit costs	1401	913.90	1401	913.90	902 2/	586.30 2/	902	586.30
Casing shoes	-	-	3	583.44	--	--	3	583.44
Reaming	-	-	3	67.50	--	--	3	67.50
Instal/remove casing	9	175.50	19	370.50	9	175.50	19	370.50
Standby (survey)	62	1162.50	65	1,218.75	62	1,162.50	65	1,218.75
Cement (hole stab.)	-	-	60	1,170.00	--	--	60	1,170.00
Wedge	-	-	1	230.63	--	--	1	230.63
Lost/damg. NX casing	20	58.00	130	377.00	20	58.00	130	377.00
					Continued next page			
TOTALS (for page 1)		$44,955.85		$83,094.78		$		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date June 21, 1974 *Payee Hicks Dome Account
Joseph A. Porter

Per [signature] Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer Date

(63) 14X0804

Approved for: $ 26,468.16 (SUBJECT TO AUDIT)

Signature FAN

Date SEP 18 1974 Vou. No. 05309A

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to [illegible]ment of the final Operator's Monthly Vouche[illegible]

PART I Page 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage III

OPERATOR'S MONTHLY VOUCHER For Month of Jan. Feb. March 1974

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.

Address Shearman and Sterling, 53 Wall St. New York, NY 10005

Docket No. OME- 6873

Contract 14-08-0001 2306

Contract Amount $114,180.00

Gov't. Participation % 50 $ 57,090.00

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
		$		$		$		$
Category (2)								
1 Supervisor-Geol.	2.5	3500.00	5.5	7700.00	2.5	3,500.00	5.5	7,700.00
2 Assistant Geol.	3	2100.00	4	2800.00	3	2,100.00	4	2,800.00
Sampler	-	-	2	247.57	--	--	2	247.57
Category (3)								
3 Core boxes	596	745.00	938	1172.50	596	745.00	938	1,172.50
Sample bags	73	36.50	73	36.50	73	36.50	73	36.50
Category (7)								
4 Secretarial-Office	3	450.00	6	900.00	3	450.00	6	900.00
Survey Instr. rent	1	513.56	1	513.56	1	513.36	1	513.36
CaF2 Spec. Ion	26	58.00	26	58.00	26	58.00	26	58.00
CaF2 (wet assay)	73	292.00	73	292.00	73	292.00	73	292.00
BaSO4 (wet assay)	73	219.00	73	219.00	73	219.00	73	219.00
Other assays	58	189.00	58	189.00	58	189.00	58	189.00
Spectro. analysis	21	210.00	21	210.00	21	210.00	21	210.00
totals (page 2)		8313.06		14338.13				
TOTALS	Stage III (allowable at 50%)					52,936.31		97,100.31
	Stage I (allowable at 50%)							73,385.59
	Stage II (allowable at 35%)							63,676.52
TOTALS		$53,268.91		$97,432.91		$52,936.31		$234,162.42

I certify that the above bill is correct and just and that payment therefor has not been received.

Date June 21, 1974 *Payee Hicks Dome Account

Joseph A. Porter

Per Joseph A. Porter Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Kirkbemo Chief, OME ~~Field Officer~~ 9/20/74 Date

Approved for: $ (SUBJECT TO AUDIT)

Signature

Date SEP 18 1974 Vou. No. 05309A

(SEE OTHER SIDE)

FOR OPERATOR'S USE

REMARKS

FOR GOVERNMENT USE

REMARKS

1/ Claimed $134.40
Allow 129.60
Disallow $4.80

Contract allows $8.10/ft. for drilling NXWL from 2500 to 3000 ft.

2/ Claimed 913.90
Allow 586.30
Disallow 327.60

Allowable footage for excess bit wear appears to be 902 ft. rather than 1401 ft. as claimed according to Christensen Diamond Products Co. invoices F.R. 19261, 19262, 19263, 19264, and 19265 all dated Feb. 7, 1974. May be revised if the invoices are misinterpreted or additional data furnished. Many errors in Christensen invoices.

3/ Claimed 513.56
Allow 513.36
Disallow 0.20

Boyles Bros. invoice 33-3, March 4, 1974 indicates rental at ~~XXX~~ $513.36.

Total disallowance $332.60

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

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OPERATOR'S REPORT

Jan. Feb. March 1974

During January both OME-8 and OME-9 were completed. OME-10 and OME-11 were both completed in March. No particular problems were encountered in finishing OME-8 and OME-9 or in drilling OME-10 and OME-11.

Results of the holes are given in a separate report. Assay work is still in progress.

OME-8 (FSB-3)

This hole was drilled to a total depth of 2,897 feet. Good mineralization was encountered giving encouragement to drill the hole deeper in an attempt to test brecciated Knox dolomite for zinc mineralization. The results were negative.

OME-9 (Hamp 8)

The hole was completed in January to a total depth of 2,252 feet. No drilling problems were encountered.

OME-10 (Fredricks 2)

No serious problems were encountered in drilling this hole. It was started with a 6¼ inch rock bit and drilled to solid rock at 66.5 feet. Four inch casing was set and the hole was then drilled to 100 feet using 3½ inch conventional barrel. It was then reduced to NX and drilled to 2,022 feet. At this point it was reduced to BX and completed to a total depth of 2,445 feet.

OME-11 (FSB-4)

This hole was completed without serious problems. It was started with a 6¼ inch rock bit and drilled to solid rock at 64 feet. Four inch surface casing was set and it was drilled to 430 feet with NC tools. It was then reduced to NX and drilled to its total depth of 2,516 feet.

Respectfully submitted,

Joseph A. Porter

OPERATOR'S REPORT

Jan. Feb. March 1974

During January both OME-8 and OME-9 were completed. OME-10 and OME-11 were both completed in March. No particular problems were encountered in finishing OME-8 and OME-9 or in drilling OME-10 and OME-11.

Results of the holes are given in a separate report. Assay work is still in progress.

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Respectfully submitted,

Joseph A. Porter

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Jan. Feb. March 1974

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OME-10 (Fredricks 2)

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Respectfully submitted,

Joseph A. Porter

Larry E. Robinson
use of D-4 Tractor and wagon in
ing drill and leveling drill site
ucks Dome Account c/o Joseph A. Porter
Box 447
Rosedale, Illinois
date: January 1974

-30 hrs. at 12.50 per hr.	375	00
22 hrs at 5 per hr.	110	00
total	485	00

Larry Robinson

Charge 72 hrs to OME-10
8 hrs to OME-11

CERTIFIED TRUE COPY
James A. Porter

OPERATOR'S REPORT

Jan. Feb. March 1974

During January both OME-8 and OME-9 were completed. OME-10 and OME-11 were both completed in March. No particular problems were encountered in finishing OME-8 and OME-9 or in drilling OME-10 and OME-11.

Results of the holes are given in a separate report. Assay work is still in progress.

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Respectfully submitted,

Joseph A. Porter

Notes OME-8 (FSB-4)
OME-11 (FSB-4)

PART II

GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage III

To Supplement
OPERATOR'S MONTHLY VOUCHER

For Month of Jan. Feb. March 1974

Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $
Gov't. Participation % $

Operator's Name Hicks Dome Account
Address

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
OME-8		$		$		$		$
Drilling BX 1500-2000	237	1611.60	✓					
2000-2500	500	3700.00						
1 2500-3000	397	3176.00						
2 Excess bit cost	1401	913.90	X					
3 Standby (survey)	17	318.75						
Remove-inst. casing	6	117.00						
Casing damaged	20	58.00						
OME-11								
4 Dozing, hours	8	100.00	✓					
5 Drilling 0-500	500	2500.00						
6 Service time	10	195.00						
Mud used	32.5	178.75	✓					
7 Casing used	64	96.00						
Coring NX 500-1000	500	2925.00						
1000-1500	500	3175.00						
1500-2000	500	3450.00						
2000-2500	500	3750.00						
2500-3000	16	134.40						
Inst./remove casing	3	58.50	✓					
Standby (survey)	10	187.50						
		26,645.40						
TOTALS		$		$		$		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit

Signature _____
OME Field Officer Da

Approved for: $
(SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____
(SEE OTHER SIDE)

See attached sheet for footnotes

PART II

OME-8 (FSB-3) OME-11 (FSB-4)

1. Charged at $8.00/ft., per contract.

2. Additional bit cost shown on Feb. 2 invoice was $2007.88 for 1406 feet of drilling. Charged here is 1406' at $0.65/ft. equals $913.90 see Boyles # 33-3

3. Billed at $19.50, charged at $18.75, per contract.

4. Shown on Robinson's January invoice.

5. Because of previous difficulties and availabiltiy of rotarying, 0-500 was drilled with the core drilling using rotary to solid rock and NC and NX tools to 500. Charged here at the rate of $5.00/ft., per contract. Actual cost (drilling time minus casing time) was 136 hours at $2652.00.

6. Service time is for setting surface casing to 64 (2/4/74, 2 hrs.) and setting NX casing to 430 (2/13/74, 8 hrs.).

7. Due to increasing difficulty in getting casing, 354 feet was purchased in October, 1973. A total of 64' of this was used as surface casing for this hole.

Box 447 Phone (618) 285-6685

Joseph A. Porter
Geologist
Rosiclare, Illinois
62982

June 21, 1974

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, VA 22092

Re: OME-6873 (Fluorspar, et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed is voucher Form 9-1648, a composite voucher for the months of January, February and March, 1974. The Operator's Report is being forwarded under separate cover.

A geologic report discussing the results of the four holes of Stage III is also being sent under separate cover.

Sincerely yours,

Joseph A. Porter

Joseph A. Porter

cc. J.L. Carroll
Enclosures

To: Hicks Dome Account
c/o Joseph A. Porter
P.O. Box 447
Rosiclare, IL 62982

STATEMENT

From: V.C. McDonald
P.O. Box 592
Rosiclare, IL 62982

DATE 3-31-74

Assay work done January thru March, 1974

Please detach and return upper portion with your remittance. $ 301.00

DATE	CHARGES AND CREDITS	BALANCE
	OME-9 (Hamp 8)	
	43 CaF_2 assays @ $4.00	172.00
	43 $BaSO_4$ assays @ $3.00	129.00
	CERTIFIED TRUE COPY	
	Respectfully submitted,	
	V.C. McDonald	
		301.00

Your Check Is Your Receipt

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 2398 HG # 07E-8
JOB NO.: M-2426 F>A-3
P. O. NO.:

DATE: April 11, 1974

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

Analysis of 20 Pulp Samples

20 Fluorine @ $2.00	$ 40.00
15 Semi-quant spectrographic analysis @ $10.00	150.00
14 Niobium @ $5.00	70.00
15 Thorium @ $1.00	15.00
11 Barium @ $4.00	44.00
TOTAL	$ 319.00

INVOICE COPY

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 2092 Lab # OME-8
JOB NO.: M-2378 F>B-3
P. O. NO.:

DATE: March 1, 1974

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclaire, Illinois 62982

Analysis of 6 Pulp Samples

6 Lead @ $1.00	$ 6.00
6 Semi-quant spectrographic analysis @ $10.00	60.00
6 Fluorine @ $3.00	18.00
6 Niobium @ $5.00	30.00
6 Barium @ $4.00	24.00
TOTAL	$ 138.00

CERTIFIED TRUE COPY

P.O. Box 447
Rosiclare, IL 62982

DATE 3-31-74

From: V.C. McDonald
P.O. Box 592
Rosiclare, IL 62982

Assay work done January thru March, 1974

Please detach and return upper portion with your remittance. $ 210.00

DATE	CHARGES AND CREDITS	BALANCE
	OME-8 (FSB-3)	
	30 CaF_2 assays @ $4.00	120.00
	30 $BaSO_4$ assays @ $3.00	90.00
	CERTIFIED TRUE COPY	
	Respectfully submitted,	
	V.C. McDonald	
		210.00

Your Check is Your Receipt

PART ~~III~~ IV

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage III

To Supplement
OPERATOR'S MONTHLY VOUCHER

For Month of Jan. Feb. March 1974

Docket No. OME- 6273
Contract 14-08-0001 2306

Operator's Name Hicks Dome Account
Address

Contract Amount $
Gov't. Participation % $

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
Category (2)		$		$		$		$
1 Supervisor-Geol.	2.5	3500.00	✓					
2 Assistant-Geol.	3	2100.00						
Sampler	-	-						
Category (3)								
3 Core boxes	596	745.00	✓					
Sample bags	73	36.50	✓					
Category (7)								
4 Secretarial-Office	3	450.00	✓					
Survey Instr. rent	1	513.56	✓					
CaF_2 Spec. Ion	26	58.00						
CaF_2 (wet assays)	73	292.00						
$BaSO_4$ (wet assays)	73	219.00						
Other assays	58	189.00						
Spectro. analysis	21	210.00						
		8313.06						
TOTALS		$		$		$		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001).

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit

Signature _____
OME Field Officer Date

Approved for: $
(SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____
(SEE OTHER SIDE)

See attached sheet for footnotes.

OME-8 (FSB-3) Abandoned

PART 2

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage III

To Supplement
OPERATOR'S MONTHLY VOUCHER

For Month of Sept. Oct. Nov. Dec. 1973

Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $
Gov't. Participation % $

Operator's Name Hicks Dome Account
Address

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
		$		$		$		$
Dozing, hours	10	125.00						
Rotary - drilling	760	3040.00						
1 Service time	250	4900.00						
Mud & cement	91	559.21						
Surface casing	107.5	161.25						
Set-up/initial casing	12	234.00						
		9019.46						
TOTALS		$		$		$		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

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(INSTRUCTIONS ON REVERSE)

See attached sheet for footnote.

Approved as noted, subject to field examination and audit.

Signature _____
OME Field Officer Date

Approved for: $
(SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____
(SEE OTHER SIDE)

Notes to Supplement
Part 2 Sept. Oct. Nov. Dec.

1. A total of 249 hours was expended in attempting to recenter the rotary hole. Broad categories were as follows.

set up	12 hrs	
fishing, washing & drilling to advance casing	136 hrs	
Mix mud	14 hrs	
casing & centering	87 hrs	
	249 hrs @ $19.50 =	$ 4855.50
	+ 1 hr @ 45.00	45.00
		$ 4900.50

Request that this amount be approved even though it exceeds the amount allowed in contract.

2. Includes 73 bags of mud @ $401.50 and 20 bags of cal-seal cement at $157.71. Cal-seal ($7.88/bag), a fast setting cement was used in place of lumnite which was not immediately available.

Telephone: Area Code 618
Office 382-4184

P. O. Box 339
Carmi, Illinois 62821

In Account With

DiKor

a division of sew-for-inc.

TO

Hick's Dome Project
P.O. Box 506
Rosiclare, Illinois 62982

Date 9/21/73

Invoice Number 30-211-4

Delivery Ticket

Lease #1 FSB-3
(OME-8)

TERMS: 30 Days Net.

Part No.	Description	Unit Price	Amount
DRILLED:		760' @ $4.00/ft	$ 3040.00
COMPANY TIME:	Wait on Cat	1 hr @ $45.00/hr	45.00
MATERIAL:			
	7" Casing left in hole	107.5' @ $1.50/ft	161.25
	5% Ill. R.O. Tax on $161.25		8.06
		Total Invoice	$ 3254.31
		Illinois Delivery	

CERTIFIED TRUE COPY

John A. Cox

Tel. Home: Area Code 618
Office 382-4184

P. O. Box 389
Carmi, Illinois 62821

In Account With

DiKor

a division of sew-kor, inc.

TO

Hick's Dome Project
P.O. Box 506
Rosiclare, Illinois 62983

Date 10/19/73

Invoice Number 30-121

Delivery Ticket 1322

Lease

TERMS: 30 Days Net.

Part No.	Description	Unit Price	Amount
	Surface casing		
.00 ft.	Used Range 1 - 4-1/2" 8 rd. Thread Casing	@ $1.50/ft	$ 532.20
mile	Round trip to deliver casing	@ $0.55/mi	77.00
	5% Ill. R.O. Tax on casing		26.61
	Total Invoice		$ 635.81
	Illinois Delivery		

Casing put into inventory and used on subsequent holes

used on stage III

CERTIFIED TRUE COPY

ES:
52-4134
61-4511
sville Line
3926

DiKor
a division of Schlumberger Inc.
P. O. Box 339
CARMI, ILLINOIS 62821

Nº 1522

Delivery Ticket

Joe Parker (Work Done)

Date 10-16-73
Pur. Order No.
Well No.
Lease
State Illinois

Engineer Bruce

Rental ☐ Sale ☑ Service ☑

Qty	Part Number	DESCRIPTION	Unit Price	Amount
50		Used Range-1. 1/2 Pkd Thread Gauge	1.50	53.20
0		Round Trip Mileage up Trucks & Trailer to Miles Range Location	.55	77.00
				26.61
		Sale's Tax		
				156.81

CORE TESTING
DRILLING EQUIPMENT
ADDITIVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
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SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

INVOICE DATE: October 31, 1973
INVOICE NUMBER: 33-3
PAGE NUMBER: 6
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
P.O. Box 447
Rosiclare, Ill. 62982

Item No.	From	To	Footage	Rate	Total
3-2	2385	2500	115	$ 7.50	$ 862.50
	2500	2545	45	8.40	378.00
	Surveying		7 hrs.	19.50	136.50
	Pulling Casing		48 hrs.	19.50	936.00
	Mud used to hold cave to get down to stuck casing		5 sks.	2.75	13.75
	Casing lost and damaged in hole		280 ft.	2.90	812.00
	NX Casing shoe lost in hole - Serial #3S-14890 15.46X9.50 + 42.00				188.87
	Rental on Eastman Camera				202.49
			+ 15%		30.37
					3,560.48

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49 hours

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 5[illegible] Phone (801) 487-3671
SALT LAKE CITY

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SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
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...DRILLING
...ILLING
...N TESTING
...RILLING EQUIPMENT
...DDITIVES

Boyles Bros. DRILLING COMPANY

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HICKS DOME ACCOUNT
Page 2

...ole No.	From	To	Footage	Rate	Total
...SB-3 ...OME-8) ...abandoned	Setting over and trying to clean out hole				
	Weekstarting Oct. 8th and ending Oct. 13th		117 hrs.	$ 19.50	$ 2,281.50
	Week starting Oct 15th and ending Oct. 20th		120 hrs.	19.50	2,340.00
	Week starting Oct. 22nd thru Oct. 25th		81 hrs.	19.50	1,579.50
...E-8 ...pleted	Moving over and starting new hole				
	Hourly rate - Oct. 26 & 27		39 hrs.	19.50	702.00
	Oct. 29, 30, 31		40 hrs.	19.50	780.00
					7,683.00

DRILLING COMPANY
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General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
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Telex: 388-321

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter

LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

Total

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Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
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HICKS DOME ACCOUNT

DATE: October 31, 1973
MBER: 33-3
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TRACT: HICKS DOME Rosiclare
TERMS: As per contract
CATION: Rosiclare, Ill.

ole No.	From	To	Footage	Rate	Total
B-3 Cont.	Materials used in hole:				
	Mud -	50# bags	48 = 24	$ 2.75	$ 132.00
		100# bags	49	5.50	269.50
			20	7.885	157.71
	Cal Seal	100# bags			23.66
			+15%	2.90	252.00
	NX Casing		80 ft.	3.60	108.00
	NXWL rods		30 ft.	4.80	48.00
	PK rod		10 ft.	12.57	12.57
	N rod		1 ft.		10.42
	NXWL rod to N rod adapter				100.95
	1 - 6¼" Rock Bit			54.04	108.08
	2 - 3 7/8" Rock Bits			55.11	110.22
	2 - 2 15/16" Rock bits				
					Cont.

DRILLING COMPANY
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HICKS DOME ACCOUNT
Mr. Joseph Porter

LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

1973

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Boyles Bros.
DRILLING COMPANY
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HICKS DOME ACCOUNT
Page 4

ole No.	From	To	Footage	Rate	Total
SB-3 Cont.	NXC Shoe - Serial # 3S-23855 16.05 x 9.50 + 42.00				$ 194.48
	NXC Shoe - Serial # 3S-23852 16.05 x 9.50 ± 42.00				194.48
	NXC Shoe - Serial # 3S-23853 16.05 x 9.50 + 42.00				194.48
	Mileage driven to get materials or put materials on job:				
	2 Round trips from M'boro to jobsite - 760 miles				
	3 Round trips from jobsite to Crossville - 450 miles				
	1 " " " " " Carmi - 135 miles				
	1 " " " " " Marion - 100 miles				
		Total mileage	1445 miles	.35	505.75
	Core boxes (NX size)		300	1.50	450.00
		Total of pages 3 & 4			2,852.30

1624 Pioneer Road P. O. Box 58
SALT LAKE CITY, UTAH 84110
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HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
447 62982

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Total

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Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
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telex: 001 74546

CE DATE: October 31, 1973
NUMBER: 33-3
NUMBER: 6
ONTRACT: HICKS DOME Rosiclare
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OCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
Page 5

Hole No.	From	To	Footage	Rate	Total
Cut-Out # 19258					
	2 - NXC3 Serial # 3S-12565 & 3S-12566		159'	$ 1.29	$ 205.42
	Less Scrap & Salvage		159'	.85	- 135.15
	Less				70.27
	2 - NXC Serial #3S-28833 & 3S-28834		208'	1.71	355.09
	(Less Scrap & Salvage)		208'	.85	- 176.80
	Less				178.29

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HICKS DOME ACCOUNT
Joseph Porter

SANTIAGO, CHILE
cable: BOYLESBROS
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cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

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HICKS DOME ACCOUNT
Page 6

le No.	From	To	Footage	Rate	Total
- NXC3 Serial #3S-28842					
	Less Scrap & Salvage		63'	$ 1.35	$ 84.88
		Less	63'	.85	- 53.55
					31.33
- NXC3 Serial # 3S-28841 (Less Scrap & Salvage)			231'	.70	161.43
		Less	231'	.85	- 196.35
					34.92 CR.
NXC3 Serial # 3S-28840 (Less Scrap & Salvage)			32'	5.08	162.66
		Less	32'	.85	- 27.20
					135.46

Boyles Bros. Drilling Company
CONTRACTORS-ENGINEERS
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OICE DATE: October 31, 1973
ER NUMBER: 33-3
CE NUMBER: 6
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

Hicks Dome Account

Hole No.	From	To	Footage	Rate	Total
Cut-Out #19259					
1 - NXC Serial #3S-23070			146'	$ .78	$ 113.88
	(Less Scrap & Salvage)				
		Less	146'	.85	- 124.10
					10.22 CR.
2 - NXC Serial #'s 3S-22759 & 2S-46356			381'	.46	175.26
	(Less Scrap & Salvage)				
		Less	381'	.85	- 323.85
					148.59 CR.

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Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
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E DATE: October 31, 1973
UMBER: 33-3
UMBER: 6
TRACT: HICKS DOME Rosiclare
TERMS: As per contract
ATION: Rosiclare , Ill.

HICKS DOME ACCOUNT

le No.	From	To	Footage	Rate	Total
- NXC Serial # 3S-22755			35'	$ 4.77	
	(Less Scrap & Salvage)				$ 166.95
		Less	35'	.85	- 29.75
					137.20
NXC3 - Serial # 3S-26156			115'	1.60	184.00
	(Less Scrap & Salvage)				
		Less	115'	.85	- 97.75
					86.25
		October Invoice Total - $ 14,540.85			

Abandoned OME-8 (FSB-3)

Date	Set-up Tear Down	Fishing, Cleaning Washing, Advancing	Mix Mud	Casing & Cement	Repair
10-8	8	6			
10-9		19	2		
10-10		21	3		
10-11		4	3	12	8
10-12		14		1	
10-13		8		1	7 (other)
10-15		12	2	2	
10-16		3	3	2	
10-17		8 6 fishing		2	
10-18		10	2	4	
10-19		3 fishing	2	3	
10-20				8 cementing	
10-22		14			
10-23				8 cementing 8	
10-24		8		8	
10-25	4			4	
	12	136	14	87	

34 shifts x 8 = 272 hrs.

249 hours

PART ~~III~~ IV Footnotes

Jan. Feb. March

off ½ month on other projects.

Services of Hanttula were utilized through part of January and February. Payments to Resources Exploration for Hanttula services were:

	$ 687.50
	687.50
	250.00
Total	$ 1,625.00

An assistant-geologist, Douglas Andersen, was hired on a temporary basis at the rate of $1100.00 per month. Payments were as follows:

March 15, 1974	$ 200.00
April 1, 1974	440.00
	$ 640.00
Social Security	37.44
Total	$ 677.44

Total cost for assistant-geologist during the period was $2302.44. Claimed here is $2100.00, per contract. In addition a sampler was used to haul core. His wages are not charged here.

3. 5,369 feet drilled divided by 9 feet per box equals 596 boxes at $1.25 per box equals $745.00. Boxes were taken out of inventory. Were charged on earlier invoices and on the January and February Boyles invoices. Exceeds number allowed in contract because of coring done in 0-500' category.

OPERATOR'S REPORT

Jan. Feb. March 1974

During January both OME-8 and OME-9 were completed. OME-10 and OME-11 were both completed in March. No particular problems were encountered in finishing OME-8 and OME-9 or in drilling OME-10 and OME-11.

Results of the holes are given in a separate report. Assay work is still in progress.

OME-8 (FSB-3)

This hole was drilled to a total depth of 2,897 feet. Good mineralization was encountered giving encouragement to drill the hole deeper in an attempt to test brecciated Knox dolomite for zinc mineralization. The results were negative.

OME-9 (Hamp 8)

The hole was completed in January to a total depth of 2,252 feet. No drilling problems were encountered.

OME-10 (Fredricks 2)

No serious problems were encountered in drilling this hole. It was started with a 6¼ inch rock bit and drilled to solid rock at 66.5 feet. Four inch casing was set and the hole was then drilled to 100 feet using 3½ inch conventional barrel. It was then reduced to NX and drilled to 2,022 feet. At this point it was reduced to BX and completed to a total depth of 2,445 feet.

OME-11 (FSB-4)

This hole was completed without serious problems. It was started with a 6¼ inch rock bit and drilled to solid rock at 64 feet. Four inch surface casing was set and it was drilled to 430 feet with NC tools. It was then reduced to NX and drilled to its total depth of 2,516 feet.

Respectfully submitted,

Joseph A. Porter

FORM 9-1048
MARCH 1968

Holes OME-9 (Hamp 8)
OME-10 (Fred 2)

PART III

To Supplement
OPERATOR'S MONTHLY VOUCHER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage III

For Month of Jan. Feb. March 1974

Docket No. OME- 6873
Contract 14-08-0001 2305
Contract Amount $
Gov't. Participation % $

Operator's Name Hicks Dome Account
Address

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
OME-9		$		$		$		$
Rotary-casing lost	609	913.50	✓					
Coring								
BX 2000-2500	252	1675.80						
Standby (survey)	26	487.50	✓					
OME-10								
Dozing, hours	22	275.00	✓					
Wagon	22	88.00						
Rotary drilling 0-500	500	2500.00	✓					
Service time	10	250.00						
Casing, 4"	66½	99.75	✓					
Moving/set-up	20	390.00	✓					
Coring, NX 500-1000	500	2475.00	✓					
1000-1500	500	2750.00	✓					
1500-2000	500	3125.00						
2000-2500	22	152.90						
BX 2000-2500	445	2959.25						
Standby (survey)	9	168.75	✓					
		18,310.45						
TOTALS		$		$		$		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary" or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense (U. S. Code, Title 18, Sec. 1001).

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit

Signature _____
OME Field Officer Date

Approved for: $
(SUBJECT TO AUDIT)

Signature _____

Date Vou. No.

PART III

OME-9 (Hamp 8) OME-10 (Fred 2)

1. 677' of 3" casing was set in the rotary hole. A total of 68' was recovered. Due to rapid increase in price it was billed to us at $2.00/ft. Charged here at $1.50/ft., per contract.

2. Surveying hole charged at $25.00/hr. Charged here at $18.75, per contract.

3. Moving charged at $25.00/hr. Charged here at $19.50, per contract.

4. Due to extremely muddy conditions, the move to OME-10 could only be accomplished by use of a dozer and wagon pulled by dozer.

5. Due to previous problems and lack of availability of rotary drill it was decided to drill 0-500 with core drill on hourly basis. Costs were:

Jan.	101 hrs.	=	$ 2,525.00
Feb.	4.5 hrs.		112.50
		Total	$ 2,637.50

$2,637.50 ÷ 500' = $5.27/ft. (plus diamonds)

Drilling charged here at $5.00/ft. Treated here as rotary drilling. Casing time and mud mixing not reflected on invoices or daily shift reports. Timescited are estimates. Four inch surface casing was taken out of inventory. NX casing was set to 100 feet. Surface casing was not recovered.

6. Estimated 2 hours mixing mud, 4 hours setting 66½' surface casing and 4 hours setting 100' of NX casing at $25.00/hour.

INVOICE

SPRAGUE & HENWOOD, INC.

SCRANTON 2, PA., U. S. A.

C 15052

DRESS ALL COMMUNICATIONS
TO MAIN OFFICE
BOX 446
SCRANTON 2, PA.

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING - SOIL SAMPLING - PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

CH-077-002

Hicks Dome Account
Hicks Dome, Illinois

LOCATION Hicks Dome, Illinois

VIA.

DATE	INVOICE NO.	YOUR ORDER NO.	ORDER DATE	TERMS:	CONT. NO.	ENTERED BY:
74	99815			10 days NET CASH NO DISCOUNT ALLOWED	15,884	

DESCRIPTION

harge account for BXW/L drilling at the above mentioned site in the period
ary 1, 1974 to January 31, 1974 -

OME9
No. 8 - Completed 1/16/74 - Depth 2,393'

2 - Core drilling BXW/L - 2,141' to 2,393' - 252' @ $6.65/L.F.....$1,675.80

OME-10
4 - Moving between sites, setting casing and cleaning out holes
previously drilled by others, surveying hole -

DATE	DRILLER'S NAME	HOURS	REMARKS
1/09/74	S. Grathler	3	Helping Geologist
1/14/74	A. Austin	9	Surveying hole
1/14/74	S. Grathler	9	Surveying hole
1/15/74	A. Austin	4	Surveying hole
1/15/74	S. Grathler	4	Surveying hole
1/16/74	S. Grathler	2	Moving to new hole
1/17/74	S. Grathler	9	Moving & setting up
1/18/74	S. Grathler	9	Moving & setting up

Surveying

set-up/casing
20 hrs. @ $19.50/hr.

49 hrs. @ $25.00/hour.....$1,225.00

7 - Casing or pipe not recovered from holes -

Voucher Supplement DE - 607 to 913.50 for rotary

(OME-9)
No. 8 - 3" pipe - 609' @ $2.00/L.F.....$1,219.00

(OME-10)
No. 9 - Drilling from surface to approx. 500', nominal 3⅛" dia.
and setting NX casing to that depth - (Proposals dated 1/18/74)

DATE	DRILLER'S NAME	HOURS
1/21/74	Sam Grathler	9
1/22/74	Sam Grathler	9
1/23/74	Sam Grathler	9

CERTIFIED TRUE CO...

(CONTINUED)

Dome Account
ct No. 15,884
e No. 99815

DATE	DRILLER'S NAME	HOURS
/24/74	Sam Grathler	9
/25/74	Sam Grathler	9
/28/74	Sam Grathler	9
/28/74	Robert Grathler	6½
/29/74	Sam Grathler	9
/30/74	Sam Grathler	4
/30/74	Robert Grathler	8
/31/74	Sam Grathler	9
/31/74	Robert Grathler	10½

101 hrs. @ $25.00/hr..$2,525.00

TOTAL AMOUNT DUE THIS INVOICE.....$6,643.80

claimed in lieu of rotary drilling @ $5.00/ft. at considerable savings to Govt.

Diamond core drilling cost would have been at least $5.85/ft.

Diamond bits and reamer shells to be billed at a later date.

CERTIFIED TRUE COPY

SPRAGUE & HENWOOD, Inc.

SCRANTON 2, PA., U. S. A.

C 15072

ADDRESS ALL COMMUNICATIONS
TO MAIN OFFICE
BOX 446
SCRANTON 2, PA.

CH-077-002

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING - SOIL SAMPLING - PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

Hicks Dome Account
Hicks Dome, Illinois

LOCATION Hicks Dome, Illinois
(PARTIAL BILLING)

VIA.

DATE	INVOICE NO.	YOUR ORDER NO.	ORDER DATE	TERMS:	CONT. NO.	ENTERED BY:
74	99852			NET CASH 10 days NO DISCOUNT ALLOWED	15,884	

DESCRIPTION

charge account for NXW/L drilling at the above mentioned site in the period
bruary 1, 1974 to February 28, 1974 -

le No. F-2 - (Formerly No. 9) Not completed, depth 1,980'

illing from surface to approximately 500', nominal 3½" dia. and setting
casing to that depth -

/74 - S. Grathler (470' to 500') - 4½ hrs. @ $25.00/hr.....$ 112.50

M 2 - Core drilling - NXW/L -

500' to 1,000' - 500' @ $4.95/L.F.....$2,475.00
1,000' to 1,500' - 500' @ $5.50/L.F.....$2,750.00
1,500' to 1,980' - 480' @ $6.25/L.F.....$3,000.00

TOTAL AMOUNT DUE THIS INVOICE.....$8,337.50

CERTIFIED TRUE COPY

SPRAGUE & HENWOOD, Inc.

SCRANTON 2, PA., U. S. A.

C 16626

ADDRESS ALL COMMUNICATIONS
TO MAIN OFFICE
BOX 446
SCRANTON 2, PA.

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING - SOIL SAMPLING - PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

CH-077-002

Hicks Dome Account
Hicks Dome, Illinois

LOCATION

Hicks Dome, Illinois
PARTIAL BILLING

VIA.

DATE	INVOICE NO.	YOUR ORDER NO.	ORDER DATE	TERMS:	CONT. NO.	ENTERED BY:
/74	99905			NET CASH 10 days NO DISCOUNT ALLOWED	15,884	

DESCRIPTION

charge account for NX-BXW/L drilling at the above mentioned site in the period
rch 1, 1974 to March 29, 1974 -

OME-10
LE NO. F-2 - Completed 3/13/74, depth 2,467'
Previously billed 1,980'
487'

EM 2 - Core drilling -

NXW/L - 1,980' to 2,000' - 20' @ $6.25/L.F.....$ 125.00
2,000' to 2,022' - 22' @ $6.95/L.F.....$ 152.90
BXW/L - 2,022' to 2,467' - 445' @ $6.65/L.F.....$2,959.25

EM 4 - Moving between sites, setting casing, cleaning out holes, surveying holes -

DATE	REMARKS	HOURS
3/13/74	Surveying	9
3/15/74	Moving	9
3/18/74	Setting up	7

25 Hrs. @ $25.00/hr.....$ 625.00

EM 5 - Standby time -

3/14/74 - 4½ hrs. @ $19.00/hr.....$ 85.50

LE NO. F-3 - Not completed - Depth 619'

(CONTINUED)

ome Account
act No. 15,884
ice No. 99905

illing surface materials and bedrock to depths of 500' -

DATE	DRILLER'S NAME	HOURS
3/18/74	Sam Grathler	2
3/19/74	Sam Grathler	8
3/20/74	Sam Grathler	10
3/21/74	Sam Grathler	9
3/22/74	Sam Grathler	9
3/25/74	Sam Grathler	4½
3/25/74	Robert Grathler	4½
3/26/74	Sam Grathler	5
3/26/74	Robert Grathler	9
3/27/74	Sam Grathler	6

67 hrs. @ $25.00/hr.....$1,675.00

e drilling below 500' -
NXW/L - 500' to 619' - 119' @ $5.80/L.F.....$ 690.20

TOTAL AMOUNT DUE THIS INVOICE.....$6,312.85

e: Diamond bits and reamer shells
used for depths from 0' to 500'
to be billed at a later date.

CERTIFIED TRUE COP

March 15, 1974

Mr. Douglas Andersen
P.O. Box 57
Elizabethtown, IL 62931

Dear Doug:

Enclosed is a check in the amount of $173.47 representing wages earned up to March 15, 1974. Amount due calculated as follows:

		$200.00
State Tax	$ 1.93	
Income Tax	12.90	
Social Security	11.70	- 26.53
	Amount Paid	$173.47

Sincerely yours,

Joseph A. Porter

CERTIFIED TRUE COPY

Joseph A. Porter

JAP:kt
Enc. 1

April 1, 1974

Mr. Douglas Andersen
P.O. Box 57
Elizabethtown, IL 62931

Dear Doug:

This is to confirm our verbal agreement pertaining to your employment. You are to be employed at the monthly rate of $1,100.00 per month plus job incurred expenses. The job is considered to be temporary, consequently you are generally free to take time off for job interviews or to fulfill other committments. Reimbursement will be prorated accordingly.

You are being employed by Hicks Dome Account. As a matter of convenience, I will pay you personally.

Pay for the period March 15 thru 31 is calculated as follows:

8/10 x $550.00 =		$ 440.00
State Tax	$ 7.93	
Income Tax	52.10	
Social Security	25.74	- 85.77
		$ 354.23

In addition, a check in the amount of $62.30 is enclosed representing mileage expenses for March, per your statement.

CERTIFIED TRUE COPY

With best regards,

Sincerely,

Joseph A. Porter

JAP:kt
Enc. 2

Phone (906) 226-7541

Resource Exploration, Inc.

Longyear Building
Marquette, Michigan 49855

January 18, 1974

BILLING
FOR SERVICES RENDERED

To: J. A. Porter
Hicks Dome Account
Box 477
Rosiclare, Illinois 62982

For: Personal services of Mr. James Hanttula for the period 1-8-74 to 1-11-74 inclusive; per letter of Resource Exploration, Inc., dated 12-31-73.

Item	
Labor - 4 days	$250.00
Meals	54.20
Lodging	38.85
Transportation	186.82
Balance due	$529.87

President

CERTIFIED TRUE COPY

Phone (906) 228-7541

Resource Exploration, Inc.

Longyear Building
Marquette, Michigan 49855

February 5, 1974

BILLING
FOR SERVICES RENDERED

To: J. A. Porter
Hicks Dome Account
Box 477
Rosiclare, Illinois 62982

For: Personal services of Mr. James Hanttula for the period 1-12-74 to 1-26-74 inclusive; per letter of Resource Exploration, Inc., dated 12-31-73.

Item	
Labor - 11 days	$687.50
Meals	105.40
Lodging	63.00
Miscellaneous	6.60
Balance due	$862.50

Willard A. Bodwell
President

CERTIFIED TRUE CO

Phone (906) 226-7541

Resource Exploration, Inc.

Longyear Building
Marquette, Michigan 49855

February 15, 1974

BILLING
FOR SERVICES RENDERED

To: J. A. Porter
Hicks Dome Account
Box 477
Rosiclare, Illinois 62982

For: Personal services of Mr. James Hanttula for the period 1-26-74 to 2-9-74 inclusive; per letter of Resource Exploration, Inc., dated 12-31-73.

Item	
Labor - 11 days	$687.50
Meals	101.80
Lodging	56.55
Miscellaneous	9.79
Transportation	25.00
Balance due	$889.64

Willard A. Bodwell,
President

CERTIFIED TRUE COPY

January 15, 1974

Mrs. Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $153.74 representing wages paid for January 1 thru 15, 1974. Amount due was calculated as follows:

90½ hrs. x $2.00 =			$ 181.00
S.T.	$ 2.47		
I.T.	14.20		
S.S.	10.59		- 27.26
			$ 153.74

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

Joseph A. Porter

January 31, 1974

Mrs. Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $164.64 representing wages earned for January 16 thru 31, 1974. Amount due was calculated as follows:

97½ hrs. x $2.00 =		$ 195.00
St. T.	$ 2.85	
I.T.	16.10	
S.S.	11.41	- 30.36
		$ 164.64

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

RECORD OF TIME WORKED

K. Thornberry 330-44-2095 2 January 1974

Name, S. S. No., Dependents Month

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
12-31	8:00	3:30	7		HDA
1-1	New Year's Day		8		
1-2	8:00	4:30	8		HDA
1-3	8:00	4:30	8		HDA + FC.
1-4	8:00	4:30	8		HDA
1-7	8:00	4:30	8		HDA
1-8	8:00	4:30	8		HDA
1-9	8:00	4:30	8		HDA
1-10	8:30	4:30	7½		HDA
1-11	8:00	4:30	8		HDA
1-14	12:30	4:30	4		HDA
1-15	8:00	4:30	8		HDA
			90½		
1-16	8:00	4:30	8		HDA
1-17	8:00	4:30	8		Decatarville HDA
1-18	8:00	4:30	8		F.C. + Dec
1-22	10:00	12:00	2		FC.
1-21	8:00	4:30	8		HDA-FC.-Dec
1-22	8:00	4:30	8		HDA - FC.
1-23	8:00	4:30	8		HDA - Dec.
1-24	8:00	4:30	8		HDA FC.
1-25	8:00	4:30	8		HDA - F.C.
1-28	8:00	4:30	8		HDA
1-29	8:00	4:00	7½		HDA
1-30	8:00	4:30	8		HDA
1-31	8:00	4:30	8		HDA

February 15, 1974

Mrs. Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $118.14 representing wages earned February 1 thru 15, 1974. Amount due was calculated as follows:

67 hrs.	x $2.00		=	$ 134.00
S.T.	$ 1.22			
I.T.	6.80			
S.S.	7.84			- 15.86
				$ 118.14

Sincerely,

Joseph A. Porter

JAP:kt
Enc. 1

CERTIFIED TRUE COPY

February 28, 1974

Mrs. Kay Thornberry
P.O. Box 444
Rosiclare, IL 62982

Dear Kay:

Enclosed find a check in the amount of $122.12 representing wages earned February 16 thru 28, 1974. Amount due was calculated as follows:

69½ hrs.	x	$2.00	=	$ 139.00
S.T.		$ 1.35		
I.T.		7.40		
S.S.		8.13		- 16.88
				$ 122.12

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY
[illegible]

RECORD OF TIME WORKED

K. Thornburg 330-44-2095 2 February 1994

Name, S. S. No., Dependents Month

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
2-1	8:00	4:30	8		HDA
2-2	10:30	12:00	1½		HDA
2-4	8:00	8:00-9:00 12:00-4:30	5½		HDA
2-5	8:00	4:30	8		HDA
2-6	8:00	4:30	8		HDA
2-11	8:00	4:30	8		HDA
2-12	12:00	4:00	4		"
2-13	8:00	4:30	8		"
2-14	8:00	4:30	8		"
2-15	8:00	4:30	8		"
			67		
2-18	8:00	4:30	8		HDA
2-19	8:00	4:00	7½		HDA
2-20	8:00	4:30	8		HDA
2-21	8:00	4:30	8		HDA
2-22	8:00	3:30	7		HDA
2-25	8:00	3:30	7		
2-26	8:00	4:30	8		HDA
2-27	8:00	4:30	8		HDA + SM
2-28	7:45	4:15	8		
			69½		

March 15, 1974

Mrs. Kay Thornberry
P.O. Box 444
Rosiclare, IL 62982

Dear Kay:

Enclosed find a check in the amount of $130.40 representing wages earned March 1 thru 15, 1974. Amount due was calculated as follows:

75 hrs. x $2.00		=	$ 150.00
S.T.	$ 1.72		
I.T.	9.10		
S.S.	8.78		- 19.60
			$ 130.40

Sincerely yours,

Joseph A. Porter

CERTIFIED TRUE COPY

April 1, 1974

Kay Thornberry
P.O. Box 444
Rosiclare, IL 62982

Dear Kay:

Enclosed find a check in the amount of $139.55 representing wages for March 15 thru March 31, 1974. Amount due was calculated as follows:

72 hrs. x $2.25 =			$ 162.00
S.T.	$ 1.97		
I.T.	11.00		
S.S.	9.48		- 22.45
			$ 139.55

Sincerely,

Joseph A. Porter

JAP:kt
Enc. 1

CERTIFIED TRUE COPY

RECORD OF TIME WORKED

K. Thornburg 330-44-2095 2 March 1974

Name, S. S. No., Dependents Month

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
3-1	8:00	4:30	8		HDA
3-4	8:00	4:30	8		HDA
3-5	8:00	12:00	4		HDA
3-6	8:00	4:30	8		HDA
3-7	8:00	4:30	8		SM
3-8	8:00	3:00	7		HDA
3-11	8:00	4:30	8		HDA + SM
3-12	8:00	4:30	8		HDA + Vanalli
3-13	8:00	4:30	8		HDA - SM
3-14					
3-15	8:00	4:30	8		HDA
			75		
3-18	8:00	4:30	8		HDA
3-19	—	—	—		
3-20	8:00	4:30	8		HDA
3-21	8:00	4:30	8		HDA
3-22	8:00	4:30	8		HDA
3-25	8:00	4:30	8		HDA
3-26	8:00	4:30	8		HDA
3-27	8:00	4:30	8		HDA
3-28	8:00	4:30	8		HDA
3-29	8:00	4:30	8		HDA

DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

DICE DATE: March 1 - March 31, 1974
R NUMBER: 33-3
E NUMBER:
CONTRACT: HICKS DOME Rosiclare
TERMS: Net 30 Days
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
% Mr. Joseph Porter
P.O. Box 447
Rosiclare, Ill. 63982

Hole No.	From	To	Footage	Rate	Total
FSB-4 OME-11	1206	1500	294	$ 6.35	$ 1,866.90
	1500	2000	500	6.90	3,450.00
	2000	2500	500	7.50	3,750.00
	2500	2516	16	8.40	134.40
	Surveying		10 hrs.	19.50	195.00
	Pulling casing		3 hrs.	19.50	58.50
					9,454.30
FSB-5	Setting up on new hole		13.5 hrs.	20.75	280.12
	Drilling top section of hole		6 hrs.	20.75	124.50
	Drilling used (Mud)		2 ea 50# sks.	2.375	5.75
					410.37
			Invoice	Total	9,865.17

CERTIFIED TRUE COPY

Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the invoice. It will be computed from the due date to the date we receive payment.

ATION TESTING
D DRILLING EQUIPMENT

DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

OICE DATE: February 2, 1974
R NUMBER: 33-3
E NUMBER:
CONTRACT: HICKS DOME Rosiclare
TERMS: Net 30 Days
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
% Mr. Joseph Porter
P.O. Box 447
Rosiclare, Illinois 63982

Page 1

Hole No.	From	To	Footage	Rate	Total
FSB-3 OME-2	1763	2000	237	$ 6.80	$ 1,611.60
	2000	2500	500	7.40	3,700.00
	2500	2897	397	8.05	3,195.85
	Surveying hole		17 hrs.	19.50	331.50
	Survey Inst. Rental				75.00
	Removing casing		6 hrs.	19.50	117.00
	Casing damaged - NX		20 ft.	2.90	58.00
FSB-4 OME-11)	0	24	2 hrs.	19.50	39.00
	Hauling rods		470 mi's.	.35/mi	164.50
	Core boxes - BX size		50	1.50ea.	75.00

Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the of this invoice. It will be computed from the due date to the date we receive payment.

Additional bit costs Page 2

Bit Cutouts:				
F.B. Report # 19261	Total feet - 630' x 1.08/ft.	OME-7		$ 679.72
	630' x .85/ft.			- 535.50
			Due Boyles	144.22
F.B. Report #19262	103' x 12.60/ft.	OME-8		1,297.40
	103' x .85/ft.			- 87.55
			Due Boyles	1,209.85
F.B. Report #19263	375' x 2.28/ft.			853.79
	375' x .85/ft.	OME-8		318.75
			Due Boyles	535.04

CERTIFIED TRUE COPY
Joseph E Porter

RILLING
ON TESTING
DRILLING EQUIPMENT

BOYLES BROS.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

CE DATE: February 2, 1974
NUMBER: 33-3
NUMBER:
NTRACT: HICKS DOME Rosiclare
TERMS: Net 30 Days
OCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
Page 3

Hole No.	From	To	Footage	Rate	Total
F.B. Report #19264		695' x .96/ft.			$ 670.30
		695' x .85/ft. DHE-8			- 590.75
				Due Boyles	79.64
F.B. Report #19265		233' x 1.64/ft.			381.40
		233' x .85/ft. DHE-8			- 198.05
				Due Boyles	183.35
		Invoice Total - -	$11,519.55		

ayment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the of this invoice. It will be computed from the due date to the date we receive payment.

CERTIFIED TRUE COPY

TION TESTING
D DRILLING EQUIPMENT

BOYLES BROS.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 368-321

PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

OICE DATE: Service from: February 3 - 28 March 4, 1974
R NUMBER: 33-3
E NUMBER:
CONTRACT: HICKS DOME Rosiclare
TERMS: Net 30 Days
LOCATION: Rosicalre, Ill.

HICKS DOME ACCOUNT
% Mr. Joseph Porter
P.O. Box 447
Rosiclare, Ill. 63982

Hole No.	From	To	Footage	Rate	Total
FSB-4	24	500	146 hrs	$ 19.50	$ 2,847.00
OME-11)	500	1000	500	5.85	2,925.00
	1000	1206	206	6.35	1,308.10
	Casing Hole		10 hrs.	19.50	195.00
	Mud used		(100#) 10 sks. 22	5.50	55.00
			(50#) 45 sks. 22.5	2.75	123.75
	Mixing Mud		17 hrs.	19.50	331.50
	Core boxes:	NX	400	1.50	600.00
		BX	250	1.50	375.00
	Rental on Eastman Survey Instrument				513.36
				+15%	77.00
				TOTAL	9,350.71

CERTIFIED TRUE COPY
James G Porter

Payment Charge of 1% per month or the maximum amount permitted by law, whichever is lower, will be charged in the event payment is not made within the of this invoice. It will be computed from the due date to the date we receive payment.

EASTMAN WHIPSTOCK, INC.

Eastman Whipstock

MAIL PAYMENTS TO
P.O. BOX 14609
HOUSTON, TEXAS 77021

ALL ACCOUNTS PAYABLE IN
HOUSTON, TEXAS

NO. D 01430

DATE 2-26-74 334

YOUR ORDER NO.

TICKET NO. RA 3259

TERMS: NET 10th PROX. INTEREST AT 10% PER ANNUM ON INVOICES NOT PAID WITHIN SIXTY (60) DAYS.

CHARGE TO

Boyles Brothers Drilling Company
Box 1153
Murfreesboro, Tennessee 37130

876	16-41 SERVICE RENDERED	AMOUNT	
	Type R Single Shot rental from 12-24-73 thru 1-28-74:		
	Body No. 3667		
	5 day minimum rental	$100.00	
	Additional Days - 31 days @ $10.00	310.00	
	Loss in hole coverage: 36 days @ $1.00	36.00	
	1 Spacer Bar Minimum rate	5.00	
	Additional 31 days @ $.50	15.50	
	Frontier Airlines # 1655-7225	23.20	$494.70
	4% Illinois State Tax on $466.50		18.66
	Total		$513.36
	Scheafer Mining		

WE HEREBY CERTIFY THAT AMOUNTS INVOICED HEREIN DO NOT EXCEED THE MAXIMUM LEVELS ESTABLISHED IN ACCORDANCE WITH EXECUTIVE ORDER 11615 DATED AUGUST 15, 1971 AS SUPERSEDED BY EXECUTIVE ORDER

NGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
JLAR		75000	FICA TAX	4388	FED. TAX	11267	GROSS PAY	75000
			STATE TX	1458	GRP INS	1057	F.I.C.A.	4388
							FED. TAX	11267
							STATE TAX	1458
							FOR PERIOD ENDING	01-15-73
							NET PAY	
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			18170		568.30

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 005330515

NINGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
JLAR		75000	FICA TAX	4388	FED. TAX	11267	GROSS PAY	150000
			STATE TX	1458	GRP INS	1120	F.I.C.A.	8776
							FED. TAX	22534
							STATE TAX	2916
							FOR PERIOD ENDING	01-31-74
							NET PAY	
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			18233		567.67

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 005384011

NGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
LAR		75000	FICA TAX	4388	FED. TAX	11267	GROSS PAY	225000
			STATE TX	1458	GRP INS	1120	F.I.C.A.	13164
							FED. TAX	33801
							STATE TAX	4374
							FOR PERIOD ENDING	02-15-74
							NET PAY	
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			18233		567.67

CERTIFIED TRUE COPY

Joseph A Porter

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

STATEMENT OF EARNINGS AND DEDUCTIONS

NINGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
ULAR		75000	FICA TAX	4388	FED. TAX	11267	GROSS PAY	300000
			STATE TX	1458	GRP INS	1120	F.I.C.A.	17552
							FED. TAX	45068
							STATE TAX	5832
							FOR PERIOD ENDING	02-28-74
							NET PAY	567.67
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			18233		

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 000549922

NINGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
ULAR		75000	FICA TAX	4388	FED. TAX	11267	GROSS PAY	375000
			STATE TX	1458	GRP INS	1120	F.I.C.A.	23940
							FED. TAX	56335
							STATE TAX	7290
							FOR PERIOD ENDING	03-15-74
							NET PAY	567.67
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			18233		

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 000597651

INGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
LAR		75000	FICA TAX	4388	FED. TAX	11267	GROSS PAY	450000
			STATE TX	1458	GRP INS	1120	F.I.C.A.	26328
							FED. TAX	67602
							STATE TAX	8748
							FOR PERIOD ENDING	03-31-74
							NET PAY	567.67
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			18233		

CERTIFIED TRUE COPY

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

STATEMENT OF EARNINGS AND DEDUCTIONS

Larry G. Robenson
use of D-4 Tractor and wagon in
ing drill and leveling Drill site ~~of~~
ucks Dome Account C/O Joseph A. Porter
Box 447
Roseclare, Illinois
date: January 1974

-30 hrs. at 12.50 per hr.	375 00
22 hrs at 5 per hr.	110 00
total	485 00

Larry Robenson

Change 22 hrs to OME-10
8 hrs to OME-11

CERTIFIED TRUE COPY
Joseph A. Porter

1-10-74

To: Joseph Porter
Rosiclare, Ill.

From: Ruth McClendon
Rosiclare, Ill.

Material and sewing
(73 in Jan, Feb, March 1974)
100 bags at $.50 = $50.00

CERTIFIED TRUE COPY

Ruth McClendon

HOYLES BROS. DRILLING COMPANY

Hoss Dome Posicore #33-3

F. R. 19261 ✓

- ☐ SALE
- ☐ ORDER
- ☐ RETURN OF MATERIAL
  - ☐ DIST. STOCK ☐ SALT LAKE
  - ☐ CREDIT
- ☐ REQUEST FOR SALES REPRESENTATIVE
- ☐ CONSIGNMENT
- ☐ JOB RECORD
- ☐ TRANSFER OF STOCK
- ☐
- ☒ MEMO

CHRISTENSEN DIAMOND PRODUCTS CO.
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

SPECIAL INSTRUCTIONS FEB 7 1974

PAGE 1 OF 2

SHIPPED	PREPAID/COLLECT	SHIPPED VIA	C.O.D.	DIAMOND PRODUCT CODE
			13902	

STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STK/CONS/CONTR	STK/CONSIGN NO.	CONTRACT

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION WELL NAME & NUMBER	CODE NO	%	NET AMOUNT
1			62.00	NXC	CORE BITS			
					TYPE NUMBER #111600			
20.15			13.00	35-25836	PSB-2			
	14.92		13.00		LESS SALVAGE			
	.36		1.50		LESS SCRAP Not allowable			
					154' FEET @ $.71	=		$109.25 ok
2			60.25	NCS	CORE BITS			
					TYPE NUMBER #111699			
83.52			13.00	15-32549 ✓	15-49495 ✓			
	62.35		13.00		LESS SALVAGE (PSB-3)			
	1.54		1.50		LESS SCRAP allowable			387.80 HK
					140 (190') FEET @ $2.77	=		$533.20 ok

ABOVE RECEIVED AS PER REQUEST AND SUBJECT TO REVISION ... REVERSE SIDE HEREOF ... OF WHICH HAS BEEN RECEIVED.

CHRISTENSEN REPRESENTATIVE DATE

SALT LAKE INVENTORY CONTROL COPY

AUTHORIZED CUSTOMER REPRESENTATIVE DATE

BOYLES BROS. DRILLING COMPANY

Hicks Dome Rosiclare #35-3

F. R. 19261

☐ SALE
☐ ORDER
☐ RETURN OF MATERIAL
☐ DIST. STOCK ☐ SALT LAKE
☐ CREDIT
☐ REQUEST FOR SALES REPRESENTATIVE
☐ CONSIGNMENT
☐ JOB RECORD
☐ TRANSFER OF STOCK
☐ ☒ MEMO

CHRISTENSEN DIAMOND PRODUCTS C
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

- SPECIAL INSTRUCTIONS -

PAGE 2 OF 2

C.O.F. 13902

E SHIPPED	PREPAID/COLLECT	SHIPPED VIA									
RICT	STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER		DISTRICT	STA/CONS/CONTR	STA/CONSIGN AG.			

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION / WELL NAME & NUMBER	CODE NO.	%	NET AMOUNT
1			26.00	NXC	CORE BITS			
				TYPE NUMBER #25487				
15.77			13.00	35-23069	DSB-2			
	11.55		13.00		LESS SALVAGE			
	.22		1.00		LESS SCRAP			
					183' FEET @ $.49	=		$90.44
1			34.00	NXC	CORE BITS			
				TYPE NUMBER #54667				
17.63			13.00	35-28547	DSB-2			
	13.16		13.00		LESS SALVAGE			
	.32		1.00		LESS SCRAP			.30
					153' FEET @ $.60	=		$91.65

Not allowable

Not allowable

.0 RB 25M 1/69 MSF

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SALT LAKE INVENTORY CONTROL COPY

TOTAL ZONE DELIV 650' @ $1.01

CHRISTENSEN REPRESENTATIVE

Date

AUTHORIZED CUSTOMER REPRESENTATIVE

DOYLES BROS. DRILLING COMPANY

Hills Dome Residue #33-3

F. R. #19262 ✓

☐ SALE
☐ ORDER
☐ RETURN OF MATERIAL
☐ DIST. STOCK ☐ SALT LAKE
☐ CREDIT
☐ REQUEST FOR SALES REPRESENTATIVE
☐ CONSIGNMENT
☐ JOB RECORD
☐ TRANSFER OF STOCK
☒ MEMO

CHRISTENSEN DIAMOND PRODUCTS CO.
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

— SPECIAL INSTRUCTIONS —

PAGE 1 OF 3 FEB 7 1974

PREPAID/COLLECT	SHIPPED VIA	C.O.D.	DIAMOND PRODUCT CODE
		14343	

STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STR/CONS/CONTR	STR/CONSIGN NO.	CONTRACT N
			(HED)				

ORDERED / WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION WELL NAME & NUMBER	CODE NO.	%	NET AMOUNT
1			36.00	NXC ✓	CORE BITS			
					TYPE NUMBER #28487			
83			13.00		25-29608			
	3.56		13.00		LESS SALVAGE			
	3.17		1.50		LESS SCRAP			
					15' FEET @ $12.72	=		$190.80
1			34.00	NXC	CORE BITS			
					TYPE NUMBER #54667			
63			13.00		35-25548 ✓			
	3.56		13.00		LESS SALVAGE			
	3.78		1.50		LESS SCRAP			
					22' FEET @ $9.60	=		$211.20

Allowable

Allowable

HR ?

HR ?

M9F

ABOVE RECEIVED AS PER REQUEST AND SUBJECT TO TERMS ON REVERSE SIDE HEREOF OF WHICH HAS BEEN RECEIVED.

SALT LAKE INVENTORY CONTROL COPY

CHRISTENSEN REPRESENTATIVE DATE AUTHORIZED CUSTOMER REPRESENTATIVE

BOYLES BROS. DRILLING COMPANY

Hills Dome Roskopf #33-3

F. R. #19262

- [ ] SALE
- [ ] ORDER
- [ ] RETURN OF MATERIAL
- [ ] DIST. STOCK [ ] SALT LAKE
- [ ] CREDIT
- [ ] REQUEST FOR SALES REPRESENTATIVE
- [ ] CONSIGNMENT
- [ ] JOB RECORD
- [ ] TRANSFER OF STOCK
- [ ] MEMO

CHRISTENSEN DIAMOND PRODUCTS CO.
P. O. BOX 367 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

- SPECIAL INSTRUCTIONS -

PAGE 2 OF 3

PREPAID/COLLECT	SHIPPED VIA	C.O.D.	DIAMOND PRODUCT CODE
		14313	

STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STK/CONS/CONTR	STK/CONSIGN NO.	CONTRACT

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION WELL NAME & NUMBER	CODE NO.	%	NET AMOUNT
1			62.95	NCD	CORE BITS			
					TYPE NUMBER #65425-20			
25.03			13.00	15-44338 ✓				
	9.69		13.00		LESS SALVAGE Allowable			
	4.14		1.50		LESS SCRAP			
					4' FEET @ $63.99	=		$255.96
2			62.95	NCD	CORE BITS			
					TYPE NUMBER #68440-20			
38.17			13.00	25-7 ✓ 25-8 ✓				
	20.49		13.00		LESS SALVAGE Allowable			
	4.55		1.50		LESS SCRAP			
					16' FEET @ $21.73	=		$347.68

AB HR

1/08 NBF

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SALT LAKE INVENTORY CONTROL COPY

CHRISTENSEN REPRESENTATIVE — DATE — AUTHORIZED CUSTOMER REPRESENTATIVE — DATE

BOYLES BROS. DRILLING COMPANY

Hills Dome Replace #33-3

F. R. #19262

- SALE
- ORDER
- RETURN OF MATERIAL
- DIST. STOCK ☐ SALT LAKE
- CREDIT
- REQUEST FOR SALES REPRESENTATIVE
- CONSIGNMENT
- JOB RECORD
- TRANSFER OF STOCK
- MEMO

CHRISTENSEN DIAMOND PRODUCTS CO.
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

- SPECIAL INSTRUCTIONS -

PAGE 3 OF 3

SHIPPED	PREPAID/COLLECT	SHIPPED VIA					C.O.D. 14313	DIAMOND PRODUCT CODE
	STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STK/CONS/CONTR	STK/CONSIGN NO.	CONTRACT NO.

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION / WELL NAME & NUMBER	CODE NO.	TAXABLE	%	NET AMOUNT
1			52.35	NCD	CORE BIT				
					TYPE NUMBER #68440-20				
19.09			13.00		25-9 ✓				
	1.06		13.00		LESS SALVAGE				
	4.13		1.50		LESS SCRAP				
					46' FEET @ $6.32	=			$290.92
					TOTAL FOOTAGE DRILLED 103' @ $12.60	=			$1297.40

Allowable

72 HK

ABOVE RECEIVED AS PER REQUEST AND SUBJECT TO TERMS OF RELEASE SIGN HEREON OF WHICH HAS BEEN RECEIVED.

SALT LAKE INVENTORY CONTROL COPY

CHRISTENSEN REPRESENTATIVE — DATE — AUTHORIZED CUSTOMER REPRESENTATIVE

BOYLES BROS. DRILLING COMPANY

Hicks Dome Rosiclare #33-3

F. R. #19263 ✓

All FSB-3

- SALE
- ORDER
- RETURN OF MATERIAL
  - DIST. STOCK
  - SALT LAKE
- CREDIT
- REQUEST FOR SALES REPRESENTATIVE
- CONSIGNMENT
- JOB RECORD
- TRANSFER OF STOCK
- MEMO

CHRISTENSEN DIAMOND PRODUCTS CO.
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

- SPECIAL INSTRUCTIONS -

PAGE 1 OF 2 1980 FEB 7

ED	PREPAID/COLLECT	SHIPPED VIA					C.O.# 14323	DIAMOND PRODUCT CODE
	STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STK/CONS/CONTR	STK/CONSIGN NO.	CONTRACT #

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION WELL NAME & NUMBER	CODE NO.	%	NET AMOUNT
3			27.50	BXC	CORE BITS			
				TYPE NUMBER #116315				
52.44			13.00	35-33549, 35-39534, 35-32537				
	42.62		13.00		LESS SALVAGE			
	.49		1.50		LESS SCRAP			96 HK
					181' FEET @ $ 1.16			$ 209.42 ok
1			27.50	BXC	CORE BITS			
				TYPE NUMBER #116315				
17.56			13.00	35-29978 ✓				
	10.17		13.00		LESS SALVAGE			
	1.41		1.50		LESS SCRAP			4 HK
					(44') 44' FEET @ $ 2.76			$ 121.45 ok

MEMO INVOICE PRICES ARE NON-NEGOTIABLE

ABOVE RECEIVED AS PER REQUEST AND SUBJECT TO TERMS ON REVERSE SIDE HERE OF WHICH HAS BEEN RECEIVED

SALE REPRESENTATIVE — DATE

SALT LAKE INVENTORY CONTROL COPY

AUTHORIZED CUSTOMER REPRESENTATIVE — DATE

BOYLES BROS. DRILLING COMPANY

Hicks Dome Prospect #33-3

F. R. #19263

- [ ] SALE
- [ ] ORDER
- [ ] RETURN OF MATERIAL
  - [ ] DIST. STOCK [ ] SALT LAKE
  - [ ] CREDIT
- [ ] REQUEST FOR SALES REPRESENTATIVE
- [ ] CONSIGNMENT
- [ ] JOB RECORD
- [ ] TRANSFER OF STOCK
- [ ]
- [x] MEMO

CHRISTENSEN DIAMOND PRODUCTS CO.
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

- SPECIAL INSTRUCTIONS -

PAGE 2 OF 2

C.O.# 14323

SHIPPED	PREPAID/COLLECT	SHIPPED VIA	DIAMOND PRODUCT CODE

STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STR/CONS/CONTR	STR/CONSIGN NO.	CONTRACT

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION WELL NAME & NUMBER	CODE NO.	%	NET AMOUNT
1			34.00	NXC-3	CORE BITS			
					TYPE NUMBER #54667			
17.64			13.00	35-38554 ✓				
	00.00		13.00		LESS SALVAGE Crown Gone Allowable			
	00.00		1.50		LESS SCRAP NO SALVAGE			4 HR
					22' FEET @ $11.97	=		$263.32
3			34.25	BXC-3	CORE BITS			
					TYPE NUMBER #56176			
49.08			13.00	35-39512, 35-39521, 35-39526	✓			
	36.91		13.00		LESS SALVAGE			
	.91		1.50		LESS SCRAP Allowable			24 HR
					128' FEET @ $2.03	=		$259.60

AS 23M 1/60 MBF

ABOVE RECEIVED AS PER REQUEST AND SUBJECT TO TERMS ON RELEASE SIDE HEREOF OF WHICH HAS BEEN RECEIVED

TOTAL FOOTAGE DRLG 325' @ $2.03 = $659.

SALT LAKE INVENTORY CONTROL COPY

DATE

AUTHORIZED CUSTOMER REPRESENTATIVE

DATE

BOYLES BROS. DRILLING COMPANY

Hicks Dome Rosiclare #33-3

F. R. #19264 ✓

#11 DSR-3

- ☐ SALE
- ☐ ORDER
- ☐ RETURN OF MATERIAL
  - ☐ DIST. STOCK ☐ SALT LAKE
- ☐ CREDIT
- ☐ REQUEST FOR SALES REPRESENTATIVE
- ☐ CONSIGNMENT
- ☐ JOB RECORD
- ☐ TRANSFER OF STOCK
- ☐
- ☒ MEMO

CHRISTENSEN DIAMOND PRODUCTS CO.
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

- SPECIAL INSTRUCTIONS -

PAGE 1 OF 2 FEB 7 1979

SHIPPED	PREPAID/COLLECT	SHIPPED VIA	C.O.D.	DIAMOND PRODUCT CO.
			14599	

STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STK/CONS/CONTR	STK/CONSIGN NO.	CONTRACT

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION WELL NAME & NUMBER	CODE NO.	%	NET AMOUNT
1			27.50	BXC3	CORE BITS			
					TYPE NUMBER #116315			
17.56			13.00	35-29980				
	13.33		13.00		LESS SALVAGE			
	.32		1.50		LESS SCRAP Allowable			81 96 HI
					12' FEET @ $6.83	=		$82.01
2			27.50	BXC3	CORE BITS			
					TYPE NUMBER #116315			
34.61			13.00	35-39529	35-39544			
	22.81		13.00		LESS SALVAGE			
	1.49		1.50		LESS SCRAP Allowable			205 87 HI
					119' FEET @ $1.73	=		$206.16

ABOVE RECEIVED AS PER REQUEST AND SUBJECT TO TERMS ON REVERSE SIDE HEREOF OF WHICH HAS BEEN RECEIVED.

SALT LAKE INVENTORY CONTROL COPY

AUTHORIZED CUSTOMER REPRESENTATIVE

DATE

#333

BOYLES BROS. DRILLING COMPANY

Hicks Dome Rosiclare #333

F. R. #19264

- [ ] SALE
- [ ] ORDER
- [ ] RETURN OF MATERIAL
  - [ ] DIST. STOCK [ ] SALT LAKE
  - [ ] CREDIT
- [ ] REQUEST FOR SALES REPRESENTATIVE
- [ ] CONSIGNMENT
- [ ] JOB RECORD
- [ ] TRANSFER OF STOCK
- [ ]
- [x] MEMO

CHRISTENSEN DIAMOND PRODUCTS CO
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

- SPECIAL INSTRUCTIONS -

IPPED	PREPAID/COLLECT	SHIPPED VIA					C.O.# 14599	DIAMOND PRODUCT CO
	STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STK/CONS/CONTR	STK/CONSIGN NO.	CONTRAC

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION / WELL NAME & NUMBER	CODE NO.	TAXABLE	%	NET AMOUNT
3			34.25	BXC	CORE BITS				
					TYPE NUMBER #56176				
49.08			13.00	35-39511, 35-39516, 35-39524					
	36.35		13.00		LESS SALVAGE				
	.91		1.50		LESS SCRAP Not allowable				358 57 HI
					507' FEET @ $.51	=			$260.37 OK
1			34.25	BXC	CORE BITS				
					TYPE NUMBER #56176				
16.36			13.00	35-39527					
	9.47		13.00		LESS SALVAGE				
	1.31		1.50		LESS SCRAP Allowable				98 HI
					57' FEET @ $2.14	=			$121.85 OK

ABOVE RECEIVED AS PER REQUEST AND SUBJECT TO TERMS ON REVERSE SIDE HEREOF OF WHICH HAS BEEN RECEIVED

SALT LAKE INVENTORY CONTROL COPY

TOTAL FOOTAGE DRLG 695' @ $.96 = $

#33-3

BOYLES BROS. DRILLING COMPANY

Hicks Dome Rosiclare #33-3

F. R. #19265 ✓

- ☐ SALE
- ☐ ORDER
- ☐ RETURN OF MATERIAL
  - ☐ DIST. STOCK ☐ SALT LAKE
  - ☐ CREDIT
- ☐ REQUEST FOR SALES REPRESENTATIVE
- ☐ CONSIGNMENT
- ☐ JOB RECORD
- ☐ TRANSFER OF STOCK
- ☐
- ☒ MEMO

MERCHANDISE TRANSFER

CHRISTENSEN DIAMOND PRODUCTS CO.
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

SPECIAL INSTRUCTIONS

PAGE 1 OF 2

FEB 7 1974

PREPAID/COLLECT	SHIPPED VIA	C.O.D.	DIAMOND PRODUCT CODE
		146.38	

STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STR/CONS/CONTR	STR/CONSIGN NO.

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION / WELL NAME & NUMBER	CODE NO.	%	NET AMOUNT
1			36.00		BX Pilot BITS			
					TYPE NUMBER #55024			
30.04			13.00		13-16887 PSR-3 Allowable			
	17.74		13.00		LESS SALVAGE			
	2.46		1.50		LESS SCRAP (used to drill past wedge)			2 HK
					2 FEET @ $96.11	=		$192.22 ok
1			34.25		BX C-5 CORE BITS			
					TYPE NUMBER #56176			
16.36			13.00		35-34523 PSR-3 Allowable			
	12.43		13.00		LESS SALVAGE			
	.20		1.50		LESS SCRAP			
					94' FEET @ $.90	=		$84.89 ok.

64 1/69 MBF

MATERIAL RECEIVED IN GOOD CONDITION

ABOVE RECEIVED AS PER REQUEST AND SUBJECT TO TERMS ON REVERSE SIDE HEREOF OF WHICH HAS BEEN RECEIVED

SALT LAKE INVENTORY

BOYLES BROS. DRILLING COMPANY

Hicks Dome Rosiclare #33-3

F. R. #19265

- ☐ SALE
- ☐ ORDER
- ☐ RETURN OF MATERIAL
  - ☐ DIST. STOCK ☐ SALT LAKE
  - ☐ CREDIT
- ☐ REQUEST FOR SALES REPRESENTATIVE
- ☐ CONSIGNMENT
- ☐ JOB RECORD
- ☐ TRANSFER OF STOCK
- ☒ MEMO

CHRISTENSEN DIAMOND PRODUCTS CO.
P. O. BOX 387 - 1937 SOUTH 2nd WEST
CABLE ADDRESS "CHRISDIACO"
SALT LAKE CITY, UTAH 84110
PHONE (Area Code 801) 484-5231

- SPECIAL INSTRUCTIONS -

PAGE 2 OF 2

SHIPPED | PREPAID/COLLECT | SHIPPED VIA | COD 14638 | DIAMOND PRODUCT CODE

CT | STATE | COUNTY | TAX STATUS | EXEMPTION NUMBER | DISTRICT | STR/CONS/CONTR | STR/CONSION NO. | CONTRACT

QUANTITY ORDERED / ORIGINAL WEIGHT	QUANTITY BACK ORDERED / SALVAGE WEIGHT	QUANTITY SHIPPED / CARATS USED	UNIT PRICE	PART NUMBER	DESCRIPTION WELL NAME & NUMBER	CODE NO.	%	NET AMOUNT
1			34.25	BXQ3	CORE BIT BSA-3			
					TYPE NUMBER #56176			
16.36			13.00		35-39513			
	10.89		13.00		LESS SALVAGE			
	.71		1.55		LESS SCRAP			
					137' FEET @ $.76	=		$104.30
					TOTAL FOOTAGE DRILLED 233' @ $1.64	=		$381.40

NS 23M 1/69 MBF

ABOVE RECEIVED AS PER REQUEST AND SUBJECT TO TERMS ON REVERSE SIDE HEREOF WHICH HAS BEEN RECEIVED

CHRISTENSEN REPRESENTATIVE | DATE | SALT LAKE INVENTORY CONTROL COPY | AUTHORIZED CUSTOMER REPRESENTATIVE | DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Financial Management
Reston, Va. 22092

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: Hicks Dome Account
c/o Gilbert Kerlin, Esq.
Shearman and Sterling
53 Wall St.
New York, NY 10005

Amount Claimed:	Differences (Explained Below)	Amount Approved
$53,268.91	$332.60	$52,936.31 $26,468.16 (Govt. Part. 50%)
Bu. Voucher No.	**Payee's Invoice No.**	**Period**
Ø5309A	Docket #6873 - Contract #2306	Jan., Feb., Mar. 1974

EXPLANATION

1. Claimed $134.40
   Allowed 129.60
   Disallowed $ 4.80 - Contract allows $8.10/ft. for drilling NXWL from 2500 to 3000 ft.

2. Claimed $913.90
   Allowed 586.30
   Disallowed $327.60 - Allowable footage for excess bit wear appears to be 902 ft. rather than 1401 ft. as claimed according to Christensen Diamond Products Co. invoices F.R. 19261, 19262, 19263, 19264, and 19265 all dated Feb. 7, 1974. May be revised if the invoices are misinterpreted or additional data furnished.

3. Claimed $513.56
   Allowed 513.36
   Disallowed .20 - Boyles Bros. invoice 33-3, March 4, 1974, indicates rental at $513.36.

Total Disallowance $332.60

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

sg
Branch of Financial Management

FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

PART I

Stage III

OPERATOR'S MONTHLY VOUCHER For Month of Sept. Oct. Nov. Dec. 1973

Docket No. OME- 6873
Contract 14-08-0001 (2306)
Contract Amount $114,180.00
Gov't. Participation %50 $57,090.00

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.
Address Shearman and Sterling, 53 Wall St. New York, NY 10005

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, hours	20	250.00	20	250.00	20	250.00	20	250.00
Rotary demobil.	½	175.00	½	175.00	0.5	175.00	0.5	175.00
Drilling	1937	8248.00	1937	8248.00	1937	8,248.00	1937	8,248.00
Service time	380	7435.00	380	7435.00	380	7,435.00	380	7,435.00
Mud & cement	139.5	825.96	139.5	825.96	194 1/	825.95 1/	194	825.95
Casing, surface	296.6	444.90	296.6	444.90	296.6	444.90	296.6	444.90
Core drilling, mobil.	½	400.00	½	400.00	0.5	400.00	0.5	400.00
Set-up/casing	29	565.50	29	565.50	29	565.50	29	565.50
NX 500-1000	324	1603.80	324	1603.80	324	1,603.80	324	1,603.80
1000-1500	457.7	2517.35	457.7	2517.35	457.7	2,517.35	457.7	2,517.35
BX 500-1000	500	2850.00	500	2850.00	500	2,850.00	500	2,850.00
1000-1500	727.3	4500.96	727.3	4500.96	727.3	4,500.96	727.3	4,500.96
1500-2000	763.0	4763.00	763	4763.00	763	4,763.00	763	4,763.00
2000-2500	141	937.65	141	937.65	141	937.65	141	937.65
Casing shoes	3	583.44	3	583.44	3	583.44	3	583.44
Reaming, hours	3	67.50	3	67.50	3	67.50	3	67.50
Inst./remove casing	10	195.00	10	195.00	10	195.00	10	195.00
Standby	3	56.25	3	56.25	3 hr.	56.25	3hr.	56.25
Cementing (hole stab.)	60	1170.00	60	1170.00	60 hr.	1,170.00	60	1,170.00
Wedge	1	230.63	1	230.63	1 2/	230.63 2/	1	230.63
Lost, damg. casing	110	319.00	110	319.00	110	319.00	110	319.00
Category (2)								
Geologist-Supervisor	3	4200.00	3	4200.00	3 mo.	4,200.00	3 mo.	4,200.00
Assistant Geologist	1	700.00	1	700.00	1 mo.	700.00	1 mo.	700.00
Sampler	2	247.57	2	247.57	2 mo.	247.57	2 mo.	247.57
Category (3)								
Core boxes	342	427.50	342	427.50	342	427.50	342	427.50
Category (7)								
Office-secretarial	3	450.00	3	450.00	3 mo.	450.00	3 mo.	450.00
Totals Stage III (allowable at 50%)						44,164.00		44,164.00
Stage I (allowable at 50%)								73,385.59
Stage II (allowable at 35%)								63,676.52
TOTALS		$44,164.01		$44,164.01		$		$ 181,226.11

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Jan 18, 1974 *Payee Hicks Dome Account
Joseph A. Porter

Per Joseph A. Porter Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Hirsbano Chief, OME ~~Field Officer~~ Date 7/29/74

(63) 14X0804

Approved for: $22,082.00 (SUBJECT TO AUDIT)

Signature FAN

Date 19 Aug 1974 Vou. No. D5176A

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS

1/ Claimed $825.96
Allow 825.95
Disallow $0.01

Arithmetical error on Invoice No. 6, pg. 3, Boyles Bros., Oct. 31, 1973. No. of sacks claimed (139.5) does not agree with total billed on Invoice No. 6, pg. 3 plus total billed on Invoice No. 7, pg. 1, Nov. 30, 1973.

2/ A wedge is analagous to a casing shoe and used to deflect the drill rods past a cavity at about 330 feet. It saved the hole from being abandoned. I recommend that it be allowed as claimed.

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

Box 447

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois
62982

June 20, 1974

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, VA 22092

Re: OME-6873 (Fluorspar, et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed is a composite voucher for the months of September, October, November and December, 1973, for Stage III of the contract. For the sake of simplicity in presentation the material is submitted in four parts. These are:

Part I Submitted in quadruplicate. Consists of Form 9-1648 for the time period with totals and accumulated totals. This is essentially a composite of the supplementary parts. Explanatory footnotes and the Operator's Report are included. Some invoices which apply to several phases are attached.

Part II To supplement Part I. Consists of costs incurred, explanatory footnotes and pertinent invoices relating to OME-8 (abandoned).

Part III To supplement Part I. Consists of costs incurred, explanatory footnotes and pertinent invoices relating to OME-8 (completed).

Part IV To supplement Part I. Consists of costs incurred, explanatory footnotes and pertinent invoices relating to OME-9.

Part V To supplement Part I. Consists of costs incurred in Categories 2, 3 and 7 during this period.

Due to difficulties in obtaining copy work only one copy of the supplementary material is included.

Hopefully this will facilitate interpretation of the voucher.

Since none of the holes for this stage were completed, the summary of the geology will be included with the next voucher.

As discussed several times by phone during this period of time, both holes encountered considerable difficulty in getting started. Actual costs greatly exceed those allowed in the contract. The following summarizes cost incurred, amount claimed and the total amounts not claimed here.

OME-8 (abandoned)

Total Invoiced Cost	$ 12,376.61
Claimed for reimbursement	9,019.46
Excess	$ 3,357.15

OME-8 (completed)

Total Invoiced Cost	$ 7,669.30
Claimed for reimbursement	5,459.40
Excess	$ 2,209.90

OME-9

Total Invoiced Cost	$ 7,666.81
Claimed for reimbursement	3,340.00
Excess	$ 4,326.81

Total excess of cost not claimed $ 9,893.86

We are hopeful that suitable amendments can be made that will allow us to submit these costs for reimbursement.

Please advise if you need further documentation or explanation of the voucher or the supplementary material.

Sincerely,

Joseph A. Porter

cc. J.L. Carroll
Enclosures

OPERATOR'S REPORT

Sept. Oct. Nov. Dec. 1973

Considerable difficulties were encountered in drilling OME-8 and OME-9. The first attempt to drill OME-8 was abandoned and the hole was moved twenty feet where the hole was completed. Problems on both holes were due principally to cavities. These holes are discussed separately.

OME-8 (FSB-3) - Abandoned

This hole was first drilled with air rotary to a total depth of 760 feet. Solid rock was encountered at 107.5 feet and 7 inch casing was set. The hole was then drilled with a down-hole hammer and tricone rock bits to a total depth of 760 feet.

Several cavities were encountered between 107.5 and 300 feet. They caused no real problems for the rotary. A large cavity was encountered between 300 and 320 feet. At this point all cuttings were lost.

The cavity was initially filled with rubble and chert cavings. As drilling progressed from 320 feet to 760 feet most of the cuttings apparently accumulated in this cavity and several smaller cavities below. Considerable difficulty was encountered in getting the bit past 320 feet when bit trips were made.

An attempt would have been made to set 4 inch casing through the cavity using the air rotary drill. However, the casing was not readily available. Contractor inventories of NX casing were also insufficient in as much as what was available was being used in holes then being drilled. It was decided to move the rotary to the next hole, OME-9, and set the NX casing in OME-8 with the core drill.

Initial attempts to set NX casing were unsuccessful. An attempt was made to wash the hole out using a tricone bit and drill mud. This was also unsuccessful. NX casing was advanced to approximately 330 feet by washing in front of the casing with a 2 15/16 inch rock bit and then washing the casing down. The casing was advanced to 380 feet. The NX casing subsequently twisted off in the cavity leaving 60 feet of NX casing and a casing shoe in the hole. Because of the caving cuttings and rubble it was impossible to fish the tools.

An attempt was made to wedge the hole at 331 feet and redrill from that point. Because of the openings and the size of the hole, it was impossible to get cement to stay around the wedge so that the hole could be drilled. Several attempts were made to cement. Both were unsuccessful.

Because of the fish in the hole, bad caving ground and the inability to wedge past the fish it was decided to abandon the attempt to set casing and move.

It is possible that the decision to abandon should have been made earlier. However, at the time it was felt that a short move would (and did) encounter the same difficulties and it was desirable to save the 760 feet of hole that had already been drilled.

Amount claimed on Part II of the voucher totals $9,196.46. Actual cost incurred is as follows:

DiKor	$ 3,254.31
Boyles (hourly)	6,201.00
Materials	2,852.30
Total Cost	$12,376.61
Amount claimed for reimbursement	9,019.46
Unclaimed portion	$ 3,357.15

During this period of time, Boyles Bros. assigned their field superintendent, J.D. Conway, to the job in order to be sure best efforts were made to set the casing.

OME-8 (FSB-3) - Completed

A rotary drill was not readily available to start another hole. Therefore it was decided that it would be simpler to attempt to drill the hole using the diamond drill. Due to cavities this hole also encountered considerable problems between 0 and 333 feet. The hole was drilled with a tricone bit to 105.1 feet where solid rock was encountered. Four inch casing was set to this point. Various small cavities with caving ground were encountered. At 270 feet caving ground necessitated that NX casing be set and the hole reduced to BX. An additional 10 feet of BX was drilled to 280 feet and NX casing was reamed that distance.

Various cavities were encountered down to 330 feet. The hole could only be advanced by drilling BX and reaming the casing behind the BX drill rods. Several attempts were made to drill with the rock bit through the NX casing. Two casing shoes were totally destroyed by the caving chert. These methods were successful in getting the hole to 333 feet. From this point on no particular problems were encountered.

As with the previous hole, the interval from 0-500 feet was very expensive and exceeded the amounts allowed for in the contract. Total costs were as follows:

Boyles (hourly)	$ 5,265.00
330-500'	951.90
Other & material	1,452.40
Total Cost	$ 7,669.30
Amount claimed for reimbursement (Part III)	5,459.40
Unclaimed portion	$ 2,209.90

A fault was encountered near the base of the Maquoketa. The fault zone consisted of breccia and cavities. The largest cavity was 30 feet thick and was encountered from 1333.5 to 1363.5. Since we had already reduced to BX an attempt was made to complete the hole. The hole was advanced to 1450 feet when the rods twisted off in the cavity. Numerous attempts were made to fish the tools. These were unsuccessful. One hundred and ten feet were lost.

A wedge was set 68 feet above the top of the cavity and the hole redrilled. Fortunately redrilling missed the cavity and the hole was drilled to a depth of 1,763 feet during this period.

OME-9 (Hamp 8)

This hole was also predrilled by using air rotary in September. Solid rock was encountered at 107.5 feet and 7 inch surface casing was set. The hole was then drilled by down-hole hammer and tricone to a total depth of 760 feet. As with OME-8 numerous cavities were encountered in the upper 300 feet of the hole. Few samples were recovered. Drill cuttings apparently filled various cavities throughout the upper 300 feet of the hole.

Casing was not available to set with the air rotary drill. Consequently it was decided to let the diamond drill contractors set the casing when coring was to begin. In order to speed up the work, a second diamond drill contractor, Sprague and Henwood, was mobilized to finish this hole. The drill was set up on October 25, 1973. By this time the cuttings in the cavities had time to flow back into the hole and effectively plug it.

Considerable difficulty was encountered in washing out the hole and setting casing to bottom. The casing could only be advanced by drilling beneath it and letting it fall as the hole was cleaned out below. Several twist-offs occurred. Total of 176.5 hours were required to set casing by these methods. Summary of costs is as follows:

DiKor	$ 3,254.31
Sprague & Henwood (hourly)	4,412.50
Total Cost	$ 7,666.81
Amount claimed for reimbursement (Part IV)	3,340.00
Unclaimed portion	$ 4,326.81

The hole was subsequently drilled to 1,457 feet with NX wire line tools. Several minor cavities were encountered necessitating the reduction to BX. The hole was then drilled BX from 1,457.7 to 2,141 feet at the end of this period.

Respectfully submitted,

Joseph A. Porter

OPERATOR'S REPORT

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Respectfully submitted,

Joseph A. Porter

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rocky Hill DATE 10-8-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. ESB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN 8
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) moved drill truck & all equipment to next hole location

DRILLER Carl Lamar HELPER Jerry Jackson

MACHINE NO. 3711 FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosalve DATE 10/8/73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. ESB-3

RODS, END OF SHIFT ____
STICKUP, END OF SHIFT ____
DEPTH, END OF SHIFT ____
DEPTH, START OF SHIFT ____
DRILLED ____
CORE RECOVERED ____
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING ____
REAMING ____
CASING ____
SET-UP, ~~TEAR DOWN~~ 6
MIXING MUD ____

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY 2
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) Put in rock bit and 150 ft. rods. Laid water line 2 hr.

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare, Ill DATE 10-9-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSS-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 6 bags
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR 2
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING 6

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Extra [illegible] up on drill motor, [illegible] [illegible] [illegible] [illegible] [illegible]

DRILLER Carl Furman HELPER Danny Anderson

MACHINE NO. 2712 FOREMAN Carl Furman

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rosclare DATE 10/9/73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 3 bags
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 5
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD 2

CEMENTING _____
EQUIP. REPAIR 1
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) worked lites
plus bit spilled roots to
blade, tool off.

DRILLER [illegible] HELPER [illegible]
MACHINE NO. 709 FOREMAN Carl Lamar

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10-9-73

SHIFT DAY ____ SWING ____ NITE X HOLE NO. FSB-3

RODS, END OF SHIFT ____
STICKUP, END OF SHIFT ____
DEPTH, END OF SHIFT ____
DEPTH, START OF SHIFT ____
DRILLED ____
CORE RECOVERED ____
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 8
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD ____

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) PULLED RODS TO CHECK BIT. LOCKED UP & GETTING BACK DOWN.

DRILLER D Edwards HELPER L Vaughn

MACHINE NO. 2769 FOREMAN Carl Lamar

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Ausiline, Ill. DATE 10-10-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 12 bags
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING 8

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drilled rock bit through cave from 14 ft to 23 ft - coal layer 3 ft rock 8 ft + 20 ft NX extra-line rod in hole, unable to tap through cave to pull, was to come out. Got 6¾" & 4¾" rock bits.

DRILLER Carl Larson HELPER Danny Jackson

MACHINE NO. 2763 FOREMAN Carl Larson

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10/10/73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. _____

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 8 bags
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

~~DRILLING~~ Fishing 5
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD 3

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER Wayne Shrader HELPER Ronnie Joiner
MACHINE NO. 2769 FOREMAN Carl Lamar

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosicrucian DATE 10-10-73

SHIFT DAY _____ SWING _____ NITE ✓ HOLE NO. ESB-3

RODS, END OF SHIFT _____ MUD _____
STICKUP, END OF SHIFT _____ TYPE _____
DEPTH, END OF SHIFT _____ CAL-SEAL _____
DEPTH, START OF SHIFT _____ LUMNITE _____
DRILLED _____ PORTLAND _____
CORE RECOVERED _____ ADDITIVES _____
TYPE OF ROCK _____ WATER _____
NUMBER OF RUNS _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8 CEMENTING _____
REAMING _____ EQUIP. REPAIR _____
CASING _____ STAND-BY OR SURVEY _____
SET-UP, TEAR DOWN _____ WATER DELAY _____
MIXING MUD _____ WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drilled 8 hr [illegible]
[illegible]

DRILLER W. Edwards HELPER _____
MACHINE NO. 2769 FOREMAN Carl Larson

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Cuidiro, Colo. DATE 10-11-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FS3-3

ROD'S, END OF SHIFT _____ MUD _____

STICKUP, END OF SHIFT _____ TYPE _____

DEPTH, END OF SHIFT _____ CAL-SEAL _____

DEPTH, START OF SHIFT _____ LUMNITE _____

DRILLED _____ PORTLAND _____

CORE RECOVERED _____ ADDITIVES _____

TYPE OF ROCK _____ WATER _____

NUMBER OF RUNS _____

FEET CASED 160 FROM 0 TO 160 SIZE NX

FEET REAMED _____ FROM _____ TO _____ SIZE _____

CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____ CEMENTING _____

REAMING _____ EQUIP. REPAIR _____

CASING 4 STAND-BY OR SURVEY _____

SET-UP, TEAR DOWN _____ WATER DELAY _____

MIXING MUD _____ WASHING OR CLEANING 4

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drilled 4 ½" rock in through cave from 170 to 230 ft.; 11 casing stuck 35 ½ 23 ft 52 on NX casing; hole filled up with cave.

DRILLER [illegible] HELPER [illegible]

MACHINE NO. 2467 FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Pasicolare DATE 10/11/73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED 30 FROM 160 TO 190 SIZE NX
FEET REAMED 30 FROM 160 TO 190 SIZE NQ
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING 8
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER Wayne Stewart HELPER Ronnie [illegible]
MACHINE NO. L-749 FOREMAN Carl Thomas

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC Boulder, Ill. DATE 10-12-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR 8
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Purchased plywood & lumber and worked on foundation of the shop while waiting on truck of supplies.

DRILLER Carl Lamar HELPER Larry Jackson

MACHINE NO 2769 FOREMAN Carl Lamar

7

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 83-3 LOC. Rosalore DATE 10/12/73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. ESB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 6
REAMING _____
CASING 1
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR 1
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) changed oil
in rig - pump pulled casing
out of hole

DRILLER Wayne Brunt HELPER Jerrel [illegible]
MACHINE NO. 2719 FOREMAN Carl Lamey

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10-12-73

SHIFT DAY _____ SWING _____ NITE X HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER Don Edwards HELPER D. Jackson

MACHINE NO. 2769 FOREMAN Carl Lomas

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Boulder, Ill. DATE 10-13-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 12 bags
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING 7

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drilled 6 inch bit down from 140 ft. to 186 ft.

DRILLER Carl Larson HELPER Larry Jackson

MACHINE NO. 2769 FOREMAN Carl Larson

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10-13-73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. FSB-3

RODS, END OF SHIFT ____ MUD ____
STICKUP, END OF SHIFT ____ TYPE ____
DEPTH, END OF SHIFT ____ CAL-SEAL ____
DEPTH, START OF SHIFT ____ LUMNITE ____
DRILLED ____ PORTLAND ____
CORE RECOVERED ____ ADDITIVES ____
TYPE OF ROCK ____ WATER ____
NUMBER OF RUNS ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING ____ OTHER ~~CEMENTING~~ 7
REAMING ____ EQUIP. REPAIR ____
CASING 1 STAND-BY OR SURVEY ____
SET-UP, TEAR DOWN ____ WATER DELAY ____
MIXING MUD ____ WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____
BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) Up on casing of
[illegible] would not [illegible] [illegible]
[illegible] + Pulling rods

DRILLER [illegible] HELPER [illegible]
MACHINE NO. 3310 FOREMAN [illegible]

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Cosichase, Ill. DATE 10-15-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 1 bag
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED 174 FROM 0 TO 174 SIZE 4"
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING 8

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Put down 174 ft. of 4" pipe; Put down 3 7/8" rock bit & drilled through core & ciellting from 174 ft. to 227 ft.

DRILLER Carl Lowes HELPER Elvin & L. Jackson
MACHINE NO. 2767 FOREMAN Carl Lowes

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosie/Ore DATE 10/15/73

SHIFT DAY _____ SWING S NITE _____ HOLE NO. ESB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 6 bags
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED 75 FROM 174 TO 249 SIZE 4" Pipe
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 4
REAMING _____
~~CASING~~ Pipe 2
SET-UP, TEAR DOWN _____
MIXING MUD 2

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER [illegible] HELPER [illegible]
MACHINE NO. 7 FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare, Ill. DATE 10-16-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____ MUD 5 bags (100LB.)

STICKUP, END OF SHIFT _____ TYPE _____

DEPTH, END OF SHIFT _____ CAL-SEAL _____

DEPTH, START OF SHIFT _____ LUMNITE _____

DRILLED _____ PORTLAND _____

CORE RECOVERED _____ ADDITIVES _____

TYPE OF ROCK _____ WATER _____

NUMBER OF RUNS _____

FEET CASED 336 FROM 0 TO 336 SIZE NX

FEET REAMED _____ FROM _____ TO _____ SIZE _____

CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____ CEMENTING _____

REAMING _____ EQUIP. REPAIR _____

CASING 8 STAND-BY OR SURVEY _____

SET-UP, TEAR DOWN _____ WATER DELAY _____

MIXING MUD _____ WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Pulled core and 3 7/8" rock bit out + started putting NX casing down. Went to Crossville Ill. + got 25 bags (100lb) drill mud.

DRILLER Carl Lamar HELPER R. Grimes + L. Jackson

MACHINE NO. 2769 FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rocky C DATE 10/16/73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 6 bags (100LB.)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 5 _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER [illegible] HELPER [illegible]

MACHINE NO. _____ FOREMAN [illegible]

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare, Ill. DATE 10-17-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. ESB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 8 bags (100 LB.)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING 2

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. 2769 FOREMAN [illegible]

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB [illegible] LOC. [illegible] DATE [illegible]

SHIFT DAY ____ SWING [illegible] NITE ____ HOLE NO. [illegible]

RODS, END OF SHIFT ____
STICKUP, END OF SHIFT ____
DEPTH, END OF SHIFT ____
DEPTH, START OF SHIFT ____
DRILLED ____
CORE RECOVERED ____
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD 2 bags (1 coln.)
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM 248'11" TO 270'1" SIZE 4 pipe
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 2
~~REAMING~~ 7
CASING 2
SET-UP, TEAR DOWN ____
MIXING MUD ____

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN [illegible]

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare, Ill. DATE 10-18-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSP-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING 8

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Fished 3 7/8" rock bit + 10 ft. of rods out of hole; tried to get a bit of 4" pipe down; drilled 3 7/8" rock bit down to get 4" pipe; tried again to get 4" pipe down.

DRILLER Carl Lanier HELPER Pringy & Lyndon

MACHINE NO. 2762 FOREMAN Carl Lanier

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosicrucie DATE 10/18/73

SHIFT DAY _____ SWING S NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 5 bags (100LB.)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED 20 FROM 270 TO 290 SIZE 4" Pipe
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 2
REAMING _____
CASING 4
SET-UP, TEAR DOWN _____
MIXING MUD 2

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER [illegible] HELPER [illegible]
MACHINE NO. [illegible] FOREMAN [illegible]

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Carlinville, Ill. DATE 10-17-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 2 bags (100 LB.)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED 390 FROM 0 TO 390 SIZE NX
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING 8
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Washing hole out below NX casing with 2 1/2" rock bit and then washed casing down. Went to Carlinville, Ill. & got 25 bags of drill mud.

DRILLER Carl Lamar HELPER R. Jones & L. Gadson

MACHINE NO. 1767 FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 83-3 LOC. [illegible] DATE 12/19/73

SHIFT DAY ____ SWING ? NITE ____ HOLE NO. ESE-3

RODS, END OF SHIFT ____
STICKUP, END OF SHIFT ____
DEPTH, END OF SHIFT ____
DEPTH, START OF SHIFT ____
DRILLED ____
CORE RECOVERED ____
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD 7 [illegible] (KCLS)
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED 50 FROM [illegible] TO [illegible] SIZE [illegible]
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING [illegible] 3
REAMING ____
CASING 3
SET-UP, TEAR DOWN ____
MIXING MUD ____

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____
BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) ____

DRILLER [illegible] HELPER [illegible]
MACHINE NO. [illegible] FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. [illegible] DATE 10-30-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. LST-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 4 bags (100 lb)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING 8
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10/2/73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. [illegible]

RODS, END OF SHIFT ____
STICKUP, END OF SHIFT ____
DEPTH, END OF SHIFT ____
DEPTH, START OF SHIFT ____
DRILLED ____
CORE RECOVERED ____
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE 5 bags
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING ____
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD ____

CEMENTING 8
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) Lost water [illegible] 231 ft + Cemented [illegible]

DRILLER [illegible] HELPER ____

MACHINE NO. ____ FOREMAN ____

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare, Ill DATE 10-22-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. ESB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drilled & washed cement out of Casing down to 256 ft. spotted Caco3 pill 300# & put 20 bags of Calseal Cement (Cement)

DRILLER Paul Lannan HELPER Robert L. Jackson

MACHINE NO. 2769 FOREMAN Paul Lannan

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 53-3 LOC. [illegible] DATE 10/22/73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. [illegible] 3

RODS, END OF SHIFT ____
STICKUP, END OF SHIFT ____
DEPTH, END OF SHIFT ____
DEPTH, START OF SHIFT ____
DRILLED ____
CORE RECOVERED ____
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING ____
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD ____

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. 7 FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. [illegible] DATE 10/23/75

SHIFT DAY _____ SWING 5 NITE _____ HOLE NO. [illegible]

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN [illegible]

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Basicbar, Ill. DATE 10-24-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL 5 bags
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER Carl Lemons HELPER [illegible]

MACHINE NO. 2769 FOREMAN Carl Lemons

7

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-5 LOC. Rosicrucie DATE 10/24/73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. [illegible]-3

RODS, END OF SHIFT _____

STICKUP, END OF SHIFT _____

DEPTH, END OF SHIFT _____

DEPTH, START OF SHIFT _____

DRILLED _____

CORE RECOVERED _____

TYPE OF ROCK _____

NUMBER OF RUNS _____

MUD _____

TYPE _____

CAL-SEAL _____

LUMNITE _____

PORTLAND _____

ADDITIVES _____

WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____

FEET REAMED _____ FROM _____ TO _____ SIZE _____

CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 6

~~REAMING~~ 2

CASING _____

SET-UP, TEAR DOWN _____

MIXING MUD _____

CEMENTING _____

EQUIP. REPAIR _____

STAND-BY OR SURVEY _____

WATER DELAY _____

WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drilled [illegible] [illegible] [illegible] [illegible]

DRILLER [illegible] HELPER _____

MACHINE NO. [illegible] FOREMAN Carl Tomas

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Baldwin Ala. DATE 10-25-70

SHIFT DAY ✓ SWING _____ NITE _____ HOLE NO. FCT-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING 4
SET-UP, TEAR DOWN 4
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Pulled 300 ft. NX casing + NC wedge out of hole, pulled 270 ft. of 4" pipe out + moved drill up 20 ft. + set up.

DRILLER Carl Lamar HELPER R. Griner + L. Jackson
MACHINE NO. 2769 FOREMAN Carl Lamar

7

Abandoned OME-8 (FSB-3)

Date	Set-up Tear Down	Fishing, Cleaning Washing, Advancing	Mix Mud	Casing & Cement	Repair
10-8	8	6			
10-9		19	2		
10-10		21	3		
10-11		4	3	12	8
10-12		14		1	
10-13		8		1	7 (other)
10-15		12	2	2	
10-16		3	3	2	
10-17		8 6 fishing		2	
10-18		10	2	4	
10-19		3 fishing	2	3	
10-20				8 cementing	
10-22		14			
10-23				8 cementing 8	
10-24		8		8	
10-25	4			4	
	12	136	14	87	

34 shifts x 8 = 272 hrs.

249 hours

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB _____ LOC. _____ DATE _____

SHIFT DAY _____ SWING _____ NITE _____ HOLE NO. _____

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER _____ HELPER _____

MACHINE NO. _____ FOREMAN _____

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rockland Oil. DATE 10-26-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT 112
STICKUP, END OF SHIFT 0
DEPTH, END OF SHIFT 105
DEPTH, START OF SHIFT 35
DRILLED 70
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 3 bags (100 lb.)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drilling 6 3/4 hole
Bit down to 105 feet.

DRILLER Carl Larson HELPER [illegible]
MACHINE NO. 2762 FOREMAN Carl Larson

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB [illegible] LOC. [illegible] DATE 10/26/73

SHIFT DAY _____ SWING _____ NITE _____ HOLE NO. [illegible]

RODS, END OF SHIFT 103

STICKUP, END OF SHIFT 20

DEPTH, END OF SHIFT 126

DEPTH, START OF SHIFT 105

DRILLED 21

CORE RECOVERED 12

TYPE OF ROCK _____

NUMBER OF RUNS _____

MUD [illegible] (100LB.)

TYPE _____

CAL-SEAL _____

LUMNITE _____

PORTLAND _____

ADDITIVES _____

WATER _____

FEET CASED _____ FROM 0 TO 105' 1" SIZE [illegible]

FEET REAMED _____ FROM _____ TO _____ SIZE _____

CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 5

REAMING _____

CASING 2

SET-UP, TEAR DOWN _____

MIXING MUD 1

CEMENTING _____

EQUIP. REPAIR _____

STAND-BY OR SURVEY _____

WATER DELAY _____

WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER _____ HELPER _____

MACHINE NO. _____ FOREMAN _____

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC Rosedale, Miss. DATE 10-27-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT 173
STICKUP, END OF SHIFT 20
DEPTH, END OF SHIFT 146
DEPTH, START OF SHIFT 126
DRILLED 20
CORE RECOVERED 20
TYPE OF ROCK Chert
NUMBER OF RUNS 2

MUD 2 bags (100LB.)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER Carl Lemon HELPER Larry Dodson

MACHINE NO. 2769 FOREMAN Carl Lemon

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB _____ LOC. _____ DATE _____

SHIFT DAY _____ SWING _____ NITE _____ HOLE NO. _____

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____

FEET REAMED _____ FROM _____ TO _____ SIZE _____

CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER _____ HELPER _____

MACHINE NO. _____ FOREMAN _____

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10/29/75

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FB3

RODS, END OF SHIFT 213

STICKUP, END OF SHIFT 23

DEPTH, END OF SHIFT 183

DEPTH, START OF SHIFT 155

DRILLED 28

CORE RECOVERED 23

TYPE OF ROCK _____

NUMBER OF RUNS 3

MUD _____

TYPE _____

CAL-SEAL _____

LUMNITE _____

PORTLAND _____

ADDITIVES _____

WATER ✓

FEET CASED _____ FROM _____ TO _____ SIZE _____

FEET REAMED _____ FROM _____ TO _____ SIZE _____

CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8

REAMING _____

CASING _____

SET-UP, TEAR DOWN _____

MIXING MUD _____

CEMENTING _____

EQUIP. REPAIR _____

STAND-BY OR SURVEY _____

WATER DELAY _____

WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER Wayne Lewis HELPER Bennie Jones

MACHINE NO. 1209 FOREMAN Lloyd Lewis

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosciano DATE 10/30/73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. ESB-3

RODS, END OF SHIFT 213
STICKUP, END OF SHIFT 1
DEPTH, END OF SHIFT 184
DEPTH, START OF SHIFT 183
DRILLED 1
CORE RECOVERED 1
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 6
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD ____

8

CEMENTING ____
EQUIP. REPAIR 2
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) Pulled Rods, Tube broken LATCH. DRILLED CAME TO get to bottom. 2 hrs Equip Repair on pump.

DRILLER D. Edwards HELPER D. Jackson

MACHINE NO. 2769 FOREMAN D. Edwards

7

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10/30/73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT 243
STICKUP, END OF SHIFT 22
DEPTH, END OF SHIFT 214
DEPTH, START OF SHIFT 184
DRILLED 30
CORE RECOVERED 30
TYPE OF ROCK _____
NUMBER OF RUNS 4

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER ✓

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER Wayne Edwards HELPER Tommie Jones

MACHINE NO 2269 FOREMAN Wayne Edwards

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10/30/73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. FSB-3

RODS, END OF SHIFT 243
STICKUP, END OF SHIFT 19
DEPTH, END OF SHIFT 227
DEPTH, START OF SHIFT 214
DRILLED 13
CORE RECOVERED 13
TYPE OF ROCK ____
NUMBER OF RUNS 2

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 8
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD ____

8

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) Pulled Rods - Sub Bit Change 227' Couldn't get back to Bottom

DRILLER R. Edwards HELPER S. Jackson

MACHINE NO. 276-G FOREMAN W. Edwards

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10/31/73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. BB-3

RODS, END OF SHIFT 293
STICKUP, END OF SHIFT 14
DEPTH, END OF SHIFT 272
DEPTH, START OF SHIFT ~~272~~ 227
DRILLED 45
CORE RECOVERED 27
TYPE OF ROCK _____
NUMBER OF RUNS 4

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER ✓

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER Wayne Edwards HELPER Ronnie Jones

MACHINE NO. 2769 FOREMAN Wayne Edwards

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 11/1/73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. ESD-3

RODS, END OF SHIFT 303
STICKUP, END OF SHIFT 19
DEPTH, END OF SHIFT 277
DEPTH, START OF SHIFT 273.5
DRILLED 3.5
CORE RECOVERED 2.5
TYPE OF ROCK ____
NUMBER OF RUNS 1

MUD 2 Bags
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 6
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD ____

8

other ~~CEMENTING~~ 1
EQUIP. REPAIR 1
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) Mixed Mud 1 hr (2 bags) 1 hr wait on light. Pulled Rods for bit change Rods coming out. 1 hr wait latch

DRILLER D. Edwards HELPER D. Jackson

MACHINE NO. 2769 FOREMAN W. Edwards

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 10/31/73

SHIFT DAY _____ SWING 4 NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING 4

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER _____ HELPER Danny Jackson

MACHINE NO. 2769 FOREMAN _____

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 11/1/73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT 273
STICKUP, END OF SHIFT 23
DEPTH, END OF SHIFT 273
DEPTH, START OF SHIFT 272
DRILLED 1
CORE RECOVERED 1
TYPE OF ROCK _____
NUMBER OF RUNS 1

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 1
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR 7
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER Wayne Edwards HELPER Ramon Jones

MACHINE NO. #2769 FOREMAN Wayne Edwards

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 333 LOC. Rosicloue DATE 11/2/73

SHIFT DAY D SWING _____ NITE _____ HOLE NO. CSG-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED 270 FROM 0 TO 270 SIZE NA
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 1
REAMING _____
CASING 7
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) broke out NC Rods set casing to 270 ft.

DRILLER [illegible] HELPER [illegible]
MACHINE NO. 2769 FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 11-2-73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. ESB 3

RODS, END OF SHIFT —
STICKUP, END OF SHIFT —
DEPTH, END OF SHIFT 283
DEPTH, START OF SHIFT 277
DRILLED 6
CORE RECOVERED 4
TYPE OF ROCK ____
NUMBER OF RUNS 1

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 8
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD ____

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) ____

DRILLER R. Edwards HELPER D. Jackson

MACHINE NO. 2-769 FOREMAN L. Edwards

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 11/3/73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. ESB-3

RODS, END OF SHIFT 322
STICKUP, END OF SHIFT 10
DEPTH, END OF SHIFT 305
DEPTH, START OF SHIFT 292
DRILLED 13
CORE RECOVERED 7.5
TYPE OF ROCK ____
NUMBER OF RUNS 2

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED 10 FROM 280 TO 290 SIZE NX
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 6
REAMING ____
CASING 2
SET-UP, TEAR DOWN ____
MIXING MUD ____

8

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) ____

DRILLER D. Edwards HELPER D. Jackson

MACHINE NO. 2769 FOREMAN W. Edwards

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 223 LOC. Rosebud DATE 11/5/73

SHIFT DAY 2 SWING _____ NITE _____ HOLE NO. [illegible]

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT 314
DEPTH, START OF SHIFT 305
DRILLED 9
CORE RECOVERED 9 1
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 3
REAMING _____
CASING 5
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosicleare DATE 11-5-73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. E3B-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8
REAMING 8
CASING 7
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. _____ FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 233 LOC. Rio Blanco DATE 11/6/78

SHIFT DAY ✓ SWING ____ NITE ____ HOLE NO. [illegible]

RODS, END OF SHIFT ____
STICKUP, END OF SHIFT ____
DEPTH, END OF SHIFT ____
DEPTH, START OF SHIFT ____
DRILLED ____
CORE RECOVERED ____
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD 4-50 LB. BAGS 3-100 LB. BAGS
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING ____
REAMING ____
CASING 6
SET-UP, TEAR DOWN ____
MIXING MUD 2

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____
BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]
MACHINE NO. [illegible] FOREMAN ____

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Risicuane DATE 11-6-73

SHIFT DAY _____ SWING 3 NITE _____ HOLE NO. [illegible] 3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 5 (100lb)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 7
REAMING _____
CASING 2
SET-UP, TEAR DOWN _____
MIXING MUD 3

~~CEMENTING~~ OTHER 1
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drilled [illegible]
[illegible] Drilling [illegible] Lines

DRILLER D. Sands HELPER [illegible]

MACHINE NO. [illegible] FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Bonelino DATE 11/19/73

SHIFT DAY 2 SWING _____ NITE _____ HOLE NO. 33-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 2 [illegible]
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING 7
SET-UP, TEAR DOWN _____
MIXING MUD 1

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 35-3 LOC. [illegible] DATE 11-7-73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. FSD3

RODS, END OF SHIFT —
STICKUP, END OF SHIFT —
DEPTH, END OF SHIFT 314'
DEPTH, START OF SHIFT 291'
DRILLED 23
CORE RECOVERED —
TYPE OF ROCK —
NUMBER OF RUNS —

MUD 2 (100lb)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 6
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD 2½

CEMENTING _____
EQUIP. REPAIR 8
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drilled [illegible] from 291 to 314'. Use mixing mud

DRILLER [illegible] HELPER [illegible]

MACHINE NO. 569 FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Posolve DATE 11/7/75

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. [illegible]

RODS, END OF SHIFT _____

STICKUP, END OF SHIFT _____

DEPTH, END OF SHIFT _____

DEPTH, START OF SHIFT _____

DRILLED _____

CORE RECOVERED _____

TYPE OF ROCK _____

NUMBER OF RUNS _____

MUD 3 bags (100 lb)

TYPE _____

CAL-SEAL _____

LUMNITE _____

PORTLAND _____

ADDITIVES _____

WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____

FEET REAMED _____ FROM _____ TO _____ SIZE _____

CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8

REAMING _____

CASING _____

SET-UP, TEAR DOWN _____

MIXING MUD _____

CEMENTING _____

EQUIP. REPAIR _____

STAND-BY OR SURVEY _____

WATER DELAY _____

WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) [illegible]

bits #257

#258 NC

DRILLER [illegible] HELPER [illegible]

MACHINE NO. _____ FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. [illegible] DATE 11-8-73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. [illegible]

RODS, END OF SHIFT ____
STICKUP, END OF SHIFT ____
DEPTH, END OF SHIFT ____
DEPTH, START OF SHIFT ____
DRILLED ____
CORE RECOVERED ____
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD [illegible]
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 4
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD 3

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING 1

8

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB [illegible] LOC. [illegible] DATE [illegible]

SHIFT DAY E SWING ____ NITE ____ HOLE NO. [illegible]

RODS, END OF SHIFT ____
STICKUP, END OF SHIFT ____
DEPTH, END OF SHIFT ____
DEPTH, START OF SHIFT ____
DRILLED ____
CORE RECOVERED ____
TYPE OF ROCK ____
NUMBER OF RUNS ____

MUD 3 (50lb bags)
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING ____
REAMING ____
CASING 5
SET-UP, TEAR DOWN ____
MIXING MUD ____

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) ____

DRILLER ____ HELPER ____

MACHINE NO. 7 ____ FOREMAN ____

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosedale DATE 11-9-73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. [illegible]

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 8 (Gum)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 4
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD 3

CEMENTING 1
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) [illegible]

Casing shoe 35 34 [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rosebud DATE 11/10/73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. 33B 3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 6 (50 lb bags)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING 6
SET-UP, TEAR DOWN _____
MIXING MUD 2

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. _____ FOREMAN [illegible]

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 11-10-73

SHIFT DAY _____ SWING 4 NITE _____ HOLE NO. ESB3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING 4

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) 4 hrs washing & cleaning 15 hrs drill chips up.

DRILLER D. Edwards HELPER _____
MACHINE NO. 7 FOREMAN [illegible]

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Boulder, Ill. DATE 11-12-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 2 bags (50#)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD 1

CEMENTING _____
EQUIP. REPAIR 4
STAND-BY OR SURVEY _____
WATER DELAY 3
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Unloaded BX equipment & mud off truck; replaced hyd. hose on drill head; tightened up taped lugs on auto-transmission & drill fuel pump; put a new battery on drill motor.

DRILLER Carl Inman HELPER Ronald Inman
MACHINE NO. 2767 FOREMAN Carl Inman

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. ROSICLARE DATE 11-12-73

SHIFT DAY ____ SWING 8 NITE ____ HOLE NO. FS B-3

RODS, END OF SHIFT 332
STICKUP, END OF SHIFT 15
DEPTH, END OF SHIFT 310
DEPTH, START OF SHIFT 298
DRILLED 12
CORE RECOVERED 0
TYPE OF ROCK CAVE
NUMBER OF RUNS ____

MUD 6 (50 lbs.) bags
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 4
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD 2

OTHER ~~CEMENTING~~ 2
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) 2 hrs drilling
Supply pump & lines

DRILLER [illegible] HELPER [illegible]
MACHINE NO. 2767 FOREMAN Coffman

7

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Ros-elve DATE 11/12/73

SHIFT DAY _____ SWING _____ NITE 8 HOLE NO. FSB-3

RODS, END OF SHIFT 332
STICKUP, END OF SHIFT 10
DEPTH, END OF SHIFT 315
DEPTH, START OF SHIFT 310
DRILLED 5
CORE RECOVERED 0
TYPE OF ROCK _____
NUMBER OF RUNS 1

MUD 3 (50 lb)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 3
~~REAMING~~ Fishing 4
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD 1

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Drop after tube through bit

DRILLER Wayne Schwade HELPER Larry Jackson

MACHINE NO. -769 FOREMAN Carl Lamar

7

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rosiclare, Ill. DATE 11-13-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____ MUD _____

STICKUP, END OF SHIFT _____ TYPE _____

DEPTH, END OF SHIFT _____ CAL-SEAL _____

DEPTH, START OF SHIFT _____ LUMNITE _____

DRILLED _____ PORTLAND _____

CORE RECOVERED _____ ADDITIVES _____

TYPE OF ROCK _____ WATER _____

NUMBER OF RUNS _____

FEET CASED _____ FROM _____ TO _____ SIZE _____

FEET REAMED _____ FROM _____ TO _____ SIZE _____

CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____ CEMENTING _____

REAMING _____ EQUIP. REPAIR _____

CASING _____ STAND-BY OR SURVEY _____

SET-UP, TEAR DOWN _____ ~~WATER~~ FISHING DELAY 8

MIXING MUD _____ WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Trying to fish 1X wire-line inner tube & overshot out of hole.

DRILLER Carl Lamar HELPER Ronald Joiner

MACHINE NO. 2769 FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 11-13-73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. ESB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED 315 FROM 0 TO 315 SIZE 8V
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING _____
CASING 4
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING 4
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE — ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON — OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY

SHIFT REPORT

JOB 33-3 LOC. Rosedale DATE 11/13/73

SHIFT DAY _____ SWING _____ NITE 8 HOLE NO. FS6-3

RODS, END OF SHIFT _____

STICKUP, END OF SHIFT _____

DEPTH, END OF SHIFT 333

DEPTH, START OF SHIFT 315

DRILLED 18

CORE RECOVERED 3

TYPE OF ROCK _____

NUMBER OF RUNS 1

MUD 6 (50 lb)

TYPE _____

CAL-SEAL _____

LUMNITE _____

PORTLAND _____

ADDITIVES _____

WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____

FEET REAMED _____ FROM _____ TO _____ SIZE _____

CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 6

REAMING _____

CASING _____

SET-UP, TEAR DOWN _____

MIXING MUD 2

CEMENTING _____

EQUIP. REPAIR _____

STAND-BY OR SURVEY _____

WATER DELAY _____

WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) _____

DRILLER Wayne Edwards HELPER James Jackson

MACHINE NO. 2269 FOREMAN Carl Lannan

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare, Ill DATE 11-14-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT _____
STICKUP, END OF SHIFT _____
DEPTH, END OF SHIFT _____
DEPTH, START OF SHIFT _____
DRILLED _____
CORE RECOVERED _____
TYPE OF ROCK _____
NUMBER OF RUNS _____

MUD 2 bags (50#)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED 10 FROM 315 TO 325 SIZE BX
FEET REAMED 10 FROM 315 TO 325 SIZE BX
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING _____
REAMING 2
CASING 2
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR 4
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____
BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Couldn't get on electrician to check deep well pumps. Borrowed a meter and checked both Emerson deep-well pumps and powerline. Pumps are pulling too much amps on one side.

DRILLER Carl Lamar HELPER _____
MACHINE NO. 2769 FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. ROSICLATE DATE 11-14-73

SHIFT DAY _____ SWING 8 NITE _____ HOLE NO. FSB3

RODS, END OF SHIFT 360
STICKUP, END OF SHIFT 11
DEPTH, END OF SHIFT 343
DEPTH, START OF SHIFT 333
DRILLED 10
CORE RECOVERED 10
TYPE OF ROCK _____
NUMBER OF RUNS 1

MUD 9 (50 Lb) bags
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED 8 FROM 325 TO 333 SIZE BX
FEET REAMED 8 FROM 325 TO 333 SIZE BX
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 3
REAMING 1
CASING 1
SET-UP, TEAR DOWN _____
MIXING MUD 2

CEMENTING _____
EQUIP. REPAIR 1
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) 1 hr working on lights.

DRILLER D Edwards HELPER D Jackson
MACHINE NO. 2709 FOREMAN Carl Lanier

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare DATE 11/14/73

SHIFT DAY ____ SWING ____ NITE 8 HOLE NO. FS13-3

RODS, END OF SHIFT 272
STICKUP, END OF SHIFT 10
DEPTH, END OF SHIFT 355
DEPTH, START OF SHIFT 343
DRILLED 12
CORE RECOVERED 12
TYPE OF ROCK ____
NUMBER OF RUNS 1

MUD 2 (50 lb)
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ____

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 3
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD 1

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY 4
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) Moved rods

DRILLER Wayne Edwards HELPER Larry Jackson

MACHINE NO. 769 FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosiclare, Ill. DATE 11-15-73

SHIFT DAY 8 SWING _____ NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT 372
STICKUP, END OF SHIFT 6
DEPTH, END OF SHIFT 359
DEPTH, START OF SHIFT 355
DRILLED 4
CORE RECOVERED 4
TYPE OF ROCK Chert
NUMBER OF RUNS 1

MUD 4 bags (50#)
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 2
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD 1

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY 5
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Lost deep-well pump back on auto-transformer.

DRILLER Carl Lamar HELPER Sonny Jackson

MACHINE NO. 2769 FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Rosebud DATE 11-15-73

SHIFT DAY _____ SWING 3 NITE _____ HOLE NO. FSB-3

RODS, END OF SHIFT 402
STICKUP, END OF SHIFT 16
DEPTH, END OF SHIFT 385
DEPTH, START OF SHIFT 359
DRILLED 26
CORE RECOVERED 26
TYPE OF ROCK _____
NUMBER OF RUNS 3

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER _____

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 8
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY _____
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Rd change at 359'

DRILLER [illegible] HELPER [illegible]

MACHINE NO. [illegible] FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. [illegible] DATE 11/15/72

SHIFT DAY ✓ SWING ____ NITE ✓ HOLE NO. [illegible]

RODS, END OF SHIFT 432
STICKUP, END OF SHIFT 10
DEPTH, END OF SHIFT 415
DEPTH, START OF SHIFT 385
DRILLED 30
CORE RECOVERED 30
TYPE OF ROCK ____
NUMBER OF RUNS 4

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ✓

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING ✓
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD ____

CEMENTING ____
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING ____

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) ____

DRILLER [illegible] HELPER ____

MACHINE NO. ____ FOREMAN Carl Larson

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 33-3 LOC. Desiderio, Alf. DATE 11-16-73

SHIFT DAY _____ SWING _____ NITE _____ HOLE NO. FSR-3

RODS, END OF SHIFT 452
STICKUP, END OF SHIFT 10
DEPTH, END OF SHIFT 435
DEPTH, START OF SHIFT 415
DRILLED 20
CORE RECOVERED 20
TYPE OF ROCK Chert + lime
NUMBER OF RUNS 2

MUD _____
TYPE _____
CAL-SEAL _____
LUMNITE _____
PORTLAND _____
ADDITIVES _____
WATER ✓

FEET CASED _____ FROM _____ TO _____ SIZE _____
FEET REAMED _____ FROM _____ TO _____ SIZE _____
CEMENT DRILLED _____ FROM _____ TO _____

TIME CHARGES

DRILLING 5
REAMING _____
CASING _____
SET-UP, TEAR DOWN _____
MIXING MUD _____

CEMENTING _____
EQUIP. REPAIR _____
STAND-BY OR SURVEY _____
WATER DELAY 3
WASHING OR CLEANING _____

BITS AND SHELLS

BIT NO. _____ SIZE & TYPE _____ OVERSIZE _____ ON _____ OFF _____

SHELL NO. _____ TYPE _____ ON _____ OFF _____

BIT CONDITION _____ REASON FOR RETIRING _____

REMARKS (Explain delays and hole condition) Dep-well
pump went out

DRILLER Carl Lamar HELPER Randall Grimes
MACHINE NO. 2719 FOREMAN Carl Lamar

BOYLES BROS. DRILLING COMPANY
SHIFT REPORT

JOB 83-3 LOC. Bowman DATE 11-16-73

SHIFT DAY ____ SWING ✓ NITE ✓ HOLE NO. ESP-3

RODS, END OF SHIFT 512
STICKUP, END OF SHIFT 10
DEPTH, END OF SHIFT 495
DEPTH, START OF SHIFT 435
DRILLED 60
CORE RECOVERED 60
TYPE OF ROCK ____
NUMBER OF RUNS 7

MUD ____
TYPE ____
CAL-SEAL ____
LUMNITE ____
PORTLAND ____
ADDITIVES ____
WATER ✓

FEET CASED ____ FROM ____ TO ____ SIZE ____
FEET REAMED ____ FROM ____ TO ____ SIZE ____
CEMENT DRILLED ____ FROM ____ TO ____

TIME CHARGES

DRILLING 13
REAMING ____
CASING ____
SET-UP, TEAR DOWN ____
MIXING MUD ____

OTHER CEMENTING 2
EQUIP. REPAIR ____
STAND-BY OR SURVEY ____
WATER DELAY ____
WASHING OR CLEANING 1

BITS AND SHELLS

BIT NO. ____ SIZE & TYPE ____ OVERSIZE ____ ON ____ OFF ____

SHELL NO. ____ TYPE ____ ON ____ OFF ____

BIT CONDITION ____ REASON FOR RETIRING ____

REMARKS (Explain delays and hole condition) [illegible]

DRILLER D. Edwards HELPER D Jackson

MACHINE NO. 2769 FOREMAN Carl Lamar

7

ORM 1-1646
MARCH 1968

OME-8 (FSB-3) Completed

PART 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage III

To Supplement
OPERATOR'S MONTHLY VOUCHER

For Month of Sept. Oct. Nov. Dec. 1973

Docket No. OME- 6873

Contract 14-08-0001 2306

Contract Amount $

Gov't. Participation % $

Operator's Name Hicks Dome Account

Address

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
		$		$		$		$
ozing	-	-						
Drilling 0-500	500	2500.00						
Service time hrs.	130	2535.00						
Casing lost	105.1	157.65						
Drill - mud	48.5	266.75						
iamond drilling								
Set-up/initial casing	-	-						
BX 500-1000	500	2850.00						
1000-1500	685	4281.00						
1500-2000	263	1788.00						
Casing shoes	3	583.44						
Reaming	3	67.50						
Inst. & remove casing	-	-						
Standby	3	56.25						
Cement (hole stablization)	60	1170.00						
Wedge	1	230.63						
Lost, dam. casing	110	319.00						
		16,805.22						
TOTALS		$		$		$		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer _____ Date

Approved for: $ (SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____

See attached sheet for footnotes

PART 3 - OME-8 (FSB-3)

1. Section of hole charged at rate of $5/ft., per contract.

2. Due to considerable difficulties, the following hours were required for items other than drilling.

45 hrs.	fishing, washing & reaming
25 hrs.	mixing mud
60 hrs.	casing hole

130 hrs. x $19.50 = $2,535.00

These items are not broken down on the invoice. Above figures were taken off daily shift reports. Copies are attached.

3. Excess casing was purchased and put into stock on the property. This casing was used.

4. Would be included in 2 above.

5. A cavity was encountered which ultimately caused a twist off. Considerable effort was made to fish out the tools. Efforts were unsuccessful making it necessary to wedge the hole and redrill past the cavity and lost tools. Since the hole was reduced to BX at 332, further reduction was impractical.

6. Three NX casing shoes were used in setting casing and reaming NX casing throughout cavities in upper part of hole.

7. Considered as part of drilling in upper part of hole, 2 above.

8. See note 5. Considered part of hole stabilization and recovery due to bad ground. It was decided cementing of the cavity would be impractical. This was necessary to complete the hole. Billed at $22.50, charged here at $19.50, per contract.

See Bayles Invoice 33-3 Dec. 22, 197[illegible] 5th item. Reduced to 60 hrs. at $19.50/hr.

9. Rods lost and casing damaged due to cavities.

Nov.	20'@	$ 2.90	=	$ 58.00	
Dec.	30'@	3.276	=	92.28	98.28
Dec.	60'@	2.94	=	176.88	176.40
				$ 327.16	332.68

Charged at 110'@ $2.90/ft. = $319.00, per contract.

CORE DRILLING
DRILLING
G
TION TESTING
D DRILLING EQUIPMENT
G ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

OICE DATE: November 30, 1973
ER NUMBER: 33-3
CE NUMBER: 7
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
P.O. Box 447
Rosiclare, Ill. 62982

Hole No.	From	To	Footage	Rate	Total
FSB-3 (DME-8)	Drilling and casing top section of hole:				
	Nov. 1 thru Nov. 3		48 hrs.	$ 19.50	$ 936.00
	Nov. 5 thru Nov. 10		92 hrs.	19.50	1,794.00
	Nov. 12 thru Nov. 14 Day shift		54 hrs.	19.50	1,053.00
	333	1000	667	5.70	3,801.90
	1000	1167	167	6.25	1,043.75 ✓
	Reaming		3 hrs.	22.50	67.50 ✓
	Mixing mud		3 hrs.	19.50	58.50
	Drill mud used 100# bags		20	5.50	110.00 ✓
	50# bags		57	2.75	156.75 ✓
	NX casing damaged		20 ft.	2.90	58.00 ✓

CERTIFIED TRUE COPY

RE DRILLING
DRILLING
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ATION TESTING
D DRILLING EQUIPMENT
NG ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
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BRANCH OFFICES
PHOENIX, ARIZONA
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IRONWOOD, MICHIGAN
SANTIAGO, CHILE
Cable: BOYLESBROS
LIMA, PERU
Cable: BOYLESCOP
MEXICO, MEXICO
Telex: 021-774545

VOICE DATE: November 30, 1973
ER NUMBER: 33-3
CE NUMBER: 7
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT

Page 2

Hole No.	From	To	Footage	Rate	Total
(OME-8) FSB-3 Cont.	2 - 2 15/16" Rock bits			$ 55.11	$ 110.22
	Mileage on round trip from M'boro to Rosiclare, Ill.		380 mi.	.35	133.00
Bit #'s	3S-40745	(15.53 wt. x 9.50 + 42.00)			189.54
	3S-40748	(15.54 wt. x 9.50 + 42.00)			189.63
	3S-40750	" " " "			189.63
	3S-40752	" " " "			189.63
					10,081.05

RE DRILLING
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N TESTING
RILLING EQUIPMENT
DDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

CE DATE: November 30, 1973
NUMBER: 33-3
NUMBER: 7
NTRACT: HICKS DOME Rosiclare
TERMS: As per contract
ICATION: Rosiclare, Ill.

HICKS DOME Rosiclare
Page 3

Hole No.	From	To	Footage	Rate	Total
Cut-Out #19260					
1 NXC3 #3S-28837		(less Scrap & salvage)	369'	.28	$ 105.02
		Less	369'	.85	- 313.65
					208.63 CR.
1 NXC #2S-29606		(less Scrape & salvage)	93'	.92	85.61
		Less	93'	.85	- 79.05
					6.56
1 NXC #3S-23071		(less Scrap & salvage)	197'	.51	100.21
		Less	197'	.85	- 167.45
					67.24 CR.

RE DRILLING
LLING

N TESTING
RILLING EQUIPMENT
DDITIVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
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BRANCH OFFICES
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MEXICO CITY, MEXICO telex: 001774546

CE DATE: November 30, 1973
NUMBER: 33-3
NUMBER: 7
NTRACT: HICKS DOME Rosiclare
TERMS: As per contract
OCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
Page 4

Hole No.	From	To	Footage	Rate	Total
	All for OME-6				
1 NXC3	#2S-29607	(Less Scrape & salvage)	155'	.85	$ 131.54
		Less	155'	.85	- 131.74
					.20 CR.
2 NXC3	#3S-22754 & 3S-22760	(less Scrape & salvage)	152'	1.11	168.23
		Less	152'	.85	- 129.20
					39.03 CR.
1 NXC	#3S-16040	(Less Scrape & salvage)	188'	.50	93.50
			188'	.85	- 159.80
					66.28 CR.

RILLING
G
STING
NG EQUIPMENT
IVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

DATE: November 30, 1973
MBER: 33-3
MBER: 7
RACT: HICKS DOME Rosiclare
ERMS: As per contract
ATION: Rosiclare, Ill.

HICKS DOME ROSICLAIR

Page 5

le No.	From	To	Footage	Rate	Total
NXC3 #3S-28552		(less scrap & salvage)	113'	.82	$ 92.67
			113'	.85	- 96.05
					3.38 CR.

November Invoice Total $ 9,702.85

MOND CORE DRILLING
ARY DRILLING
UTING
NDATION TESTING
MOND DRILLING EQUIPMENT
LLING ADDITIVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE cable: BOYLESBROS
LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 0017745461

INVOICE DATE: December 22, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER:
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Illinois

HICKS DOME ACCOUNT
% MR. Joseph Porter
P.O. Box 447
Rosiclare, Illinois 63982

Hole No.	From	To	Footage	Rate	Total
FSB-3 OMc-8	1167	1450	283	$ 6.25	$ 1768.75
	1265	1500	235	6.25	1468.75
	1500	1763	263	6.80	1788.40
	Delay--Waiting on decision of cavity		3 hrs.	18.75	56.25
	Fishing for tools, plugging and wedging		60 hrs.	22.50	1350.00
	Wedge				230.63
	Core boxes		225	1.50	337.50
	Mileage on round trips from M!boro to Rosiclare, Ill.		1240	.35	434.00
	Rods damaged or lost in hole		3-10 ft.	32.76	98.28
			3-20 ft.	58.96 (?)	176.88
			November	invoice Total	$ 7,709.44

CERTIFIED TRUE COPY

MARCH 1968

OME-9 (Hamp 8)

PART 4

To Supplement

OPERATOR'S MONTHLY VOUCHER

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage III

For Month of Sept., Oct., Nov., Dec. 1973

Docket No. OME- 6873

Contract 14-08-0001 2306

Contract Amount $

Gov't. Participation % $

Operator's Name Hicks Dome Account

Address

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
Category (1)		$		$		$		$
1 Dozing, hours	10	125.00						
2 Rotary - Demobil.	½	175.00						
Drilling feet	677	2708.00						
Casing feet	84	126.00						
Coring Mobil	½	400.00						
3 Set-up/casing	17	331.50						
Drilling NX 500-1000	324	1603.80						
1000-1500	457.7	2517.35						
BX 1000-1500	42.3	219.96						
1500-2000	500	2975.00						
2000-2500	141	937.65						
4 Install/remove casing	10	195.00						
		12,314.26						
TOTALS		$		$		$		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

See attached sheet for footnotes.

Approved as noted, subject to field examination and audit

Signature _____ OME Field Officer Date

Approved for: $ (SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____ (SEE OTHER SIDE)

Site preparation done in September for air rotary drill.

One-half was charged for Stage II.

Because of cavities considerable difficulty was encountered in tting the 3" casing in the rotary hole. Caving material from vities caused several twist offs. A total of 176.5 hours at $25.00 r hour was required at a total cost of $4,412.50. Claimed here is hours (1/4 allowed in the contract) at $19.50, per OME contract.

3 above applicable, partially applied here. Billed at $25/hr., arged here at $19.50/hr., per contract.

Phone: Area Code 618
Office 382-4184

P. O. Box 389
Carmi, Illinois 62821

In Account With

DiKor

a division of *sew-tor inc.*

TO

Hick's Dome Project
P.O. Box 506
Rosiclare, Illinois 62982

Date 9/30/73

Invoice Number 30-21I- 6

Delivery Ticket

Lease #5
item # 8
(OME-9)

TERMS: 30 Days Net.

Part No.	Description	Unit Price	Amount
	Second 1/2 of Mobilization & Demobilization		$ 175.00
	Drilled	677' @ $4.00/ft	2708.00
	Casing - 7" - Lost in hole	84' @ $1.50/ft	126.00
	Company Time		- 0 -
	Sales Tax on $126.00 - 5% Ill. R.O. Tax		6.30
		Total Invoice	$ 3015.30
		Illinois Delivery	

CERTIFIED TRUE COPY

James A Cox

SPRAGUE & HENWOOD, Inc.

SCRANTON 2, PA., U. S. A.

C 14949

ADDRESS ALL COMMUNICATIONS
TO MAIN OFFICE
BOX 446
SCRANTON 2, PA.

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING - SOIL SAMPLING - PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

CH-077-002

Hicks Dome Account
Hicks Dome, Illinois

LOCATION Hicks Dome, Illinois

OME-9 (Hamp 8)

VIA.

DATE	INVOICE NO.	YOUR ORDER NO.	ORDER DATE	TERMS: NET CASH 10 days NO DISCOUNT ALLOWED	CONT. NO.	ENTERED BY:
73	99727				13,684	

DESCRIPTION

harge account for NXW/L drilling at the above mentioned site in the period ber 25, 1973 to November 30, 1973 -

1 - Mobilization and demobilization - Lump sum - $800.00 @ 50% .....$ 400.00

2 - Core drilling (NXW/L) - OME-9
Hole No. 8 - Not completed - Depth 1,278'
676' to 1,000' - 324' @ $4.95/L.F.....$1,603.00
1,000' to 1,278' - 278' @ $5.50/L.F.....$1,529.00

6 - Moving between sites, setting casing and cleaning out holes previously drilled by others - (per attached sheet) -
176½ hrs. @ $25.00/hr.....$4,412.50

TOTAL AMOUNT DUE THIS INVOICE.....$7,945.30

CERTIFIED TRUE COPY

UE & HENWOOD, INC.

SECOND SHEET TRIPLICATE INVOICE

Dome Account
est No. 15,884
ce No. 99727

DATE	DRILLER'S NAME	HOURS
10/25/73	S. Grathler	5
10/26/73	S. Grathler	6
10/29/73	S. Grathler	9
10/30/73	S. Grathler	2½
11/01/73	S. Grathler	10
11/01/73	A. Austin	8
11/02/73	S. Grathler	10
11/02/73	A. Austin	8
11/03/73	A. Austin	8
11/05/73	S. Grathler	10
11/06/73	S. Grathler	10
11/06/73	A. Austin	10
11/07/73	S. Grathler	10
11/07/73	A. Austin	10
11/08/73	S. Grathler	10
11/08/73	A. Austin	10
11/09/73	S. Grathler	10
11/09/73	A. Austin	10
11/12/73	S. Grathler	10
11/12/73	A. Austin	10
		176½

INVOICE

SPRAGUE & HENWOOD, Inc.

SCRANTON 2, PA., U. S. A.

C 15122

CORRECTED INVOICE

CH-077-002

ADDRESS ALL COMMUNICATIONS
TO MAIN OFFICE
BOX 446
SCRANTON 2, PA.

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING - SOIL SAMPLING - PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

Hicks Dome Account
Hicks Dome, Illinois

LOCATION: Hicks Dome, Illinois
OME-9 (Hamp 8)

VIA.

DATE	INVOICE NO.	YOUR ORDER NO.	ORDER DATE	TERMS:	CONT. NO.	ENTERED BY:
73	99784			10 days NET CASH NO DISCOUNT ALLOWED	15,884	

DESCRIPTION

[illegible]ge account for NXW/L-BXW/L drilling at the above mentioned site in the period [illegible]er 1, 1973 to December 31, 1973 -

9
[illegible]. 8 - Not completed, depth 2,141'

[illegible] - Core drilling -

- 1,278.0' to 1,457.7'	- 179.7'	@	$5.50/L.F.	$	988.35
- 1,457.7' to 1,500.0'	- 42.3'	@	$5.20/L.F.	$	219.96
1,500.0' to 2,000.0'	- 500.0'	@	$5.95/L.F.	$	2,975.00
2,000.0' to 2,141.0'	- 141.0'	@	$6.65/L.F.	$	937.65
TOTAL AMOUNT DUE THIS INVOICE				$	5,120.96

CERTIFIED TRUE COPY

MARCH 1968

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Part 5

Stage III

To Supplement
OPERATOR'S MONTHLY VOUCHER

For Month of Sept., Oct., Nov., Dec 1973

*Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $
Gov't. Participation % $

Operator's Name Hicks Dome Account
Address

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
		$		$		$		$
Category (2)								
Geologist-Supervisor	3	4200.00						
1 Assist.-Geologist	1	700.00						
2 Sampler	2	247.57						
Category (3)								
3 Core boxes	342	427.50						
Category (7)								
4 Secretarial	3	450.00						
		6025.07						
TOTALS		$		$		$		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer Date

Approved for: $ _____
(SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____
(SEE OTHER SIDE)

See attached sheet for footnotes.

An experienced assistant geologist was not availabe. An experienced on tempory basis was contracted for from Resource Exploration of Marquette, Michigan. Rate was $70/day plus expenses. Billing was:

11/26 to 12/7	=	$ 796.20
12/8 to 12/20		924.56
Total		$1720.76

Claimed here is one month at $700.00, percontract.

consider as same item as per contract

2. Helper-sampler was used to bring in core from the rigs and haul and stack core. Charged here at amount paid plus social security.

3. Charged as used from inventory. These are furnished by Boyles and are shown on page 4 of October invoice (300 @ $450.00) and page 1 of December invoice (225 @ $337.50).

4. Due to increased volume of work secretarial work was essentially full time. Total earned in this period was $948.00. Charged at $150.00, amount allowed by contract.

TRAIN CABOT INC

000243015

EARNINGS	HOURS	AMOUNT	DEDUCTIONS					
REGULAR		75000	FED. TAX	11267	STATE TX	1458		
			GRP INS	1057				

CERTIFIED TRUE COPY

YEAR TO DATE	
GROSS PAY	1235000
F.I.C.A.	63180
FED. TAX	181939
STATE TAX	23786

FOR PERIOD ENDING
09-15-73

NET PAY
612.18

TOTAL EARNINGS 75000 TOTAL DEDUCTIONS 13782

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
MM 2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC

000290476

EARNINGS	HOURS	AMOUNT	DEDUCTIONS			
REGULAR		75000	FED. TAX	11267	STATE TX	1458
			GRP INS	1057		

YEAR TO DATE	
GROSS PAY	1310000
F.I.C.A.	63180
FED. TAX	193206
STATE TAX	25244

FOR PERIOD ENDING
09-30-73

NET PAY
612.18

TOTAL EARNINGS 75000 TOTAL DEDUCTIONS 13782

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

-73 STATEMENT OF EARNINGS AND DEDUCTIONS

EARNINGS	HOURS	AMOUNT	DEDUCTIONS			
REGULAR		75000	FED. TAX	11267	STATE TX	1458
			GRP INS	1057		
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			13782

YEAR TO DATE	
GROSS PAY	1385000
F.I.C.A.	63180
FED. TAX	204473
STATE TAX	26702

FOR PERIOD ENDING
10-15-73

NET PAY
612.18

JOSEPH A PORTER 501 1 020 00044 **NON-NEGOTIABLE**

2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC

000395400

EARNINGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
REGULAR		75000	FED. TAX	11267	STATE TX	1458	GROSS PAY	1460000
			GRP INS	1057			F.I.C.A.	63180
							FED. TAX	215740
							STATE TAX	28160
							FOR PERIOD ENDING	
							10-31-73	
							NET PAY	
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			13782		612.18

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5
2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

000449575

TRAIN CABOT INC

EARNINGS	HOURS	AMOUNT	DEDUCTIONS					
REGULAR		75000	FED. TAX	11267	STATE TX	1458		
			GRP INS	1057				
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS				13782	

YEAR TO DATE	
GROSS PAY	1535000
F.I.C.A.	63180
FED TAX	227007
STATE TAX	29618

FOR PERIOD ENDING

11-15-73

NET PAY

612.18

JOSEPH A PORTER

501 1 020 00044

NON-NEGOTIABLE

155
2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 000502009

EARNINGS	HOURS	AMOUNT	DEDUCTIONS				YEAR TO DATE	
REGULAR		75000	FED. TAX	11267	STATE TX	1458	GROSS PAY	1610000
			GRP INS	1057			F.I.C.A.	63180
							FED. TAX	238274
							STATE TAX	31076
							FOR PERIOD ENDING	11-30-73
							NET PAY	612.16
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			13782		

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
MM 2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC

000556710

EARNINGS	HOURS	AMOUNT	DEDUCTIONS					
REGULAR		75000	FED. TAX	11267	STATE TX	1458		
			GRP INS	1057				
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS				13782	

YEAR TO DATE	
GROSS PAY	169[illegible]
F.I.C.A.	631[illegible]
FED. TAX	249[illegible]
STATE TAX	32[illegible]

FOR PERIOD ENDING 12-14-7

NET PAY 612.1[illegible]

JOSEPH A PORTER

501 1 020 00044

NON-NEGOTIABLE

755
M 2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC

000608604

EARNINGS	HOURS	AMOUNT	DEDUCTIONS					
REGULAR		75000	FED. TAX	11267	STATE TX	1458		
			GRP INS	1057				
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS				13782	

YEAR TO DATE	
GROSS PAY	1760000
F.I.C.A.	63180
FED TAX	260808
STATE TAX	33992

FOR PERIOD ENDING	
12-28-73	
NET PAY	
612.18	

JOSEPH A PORTER

501 1 020 00044

5755
IM 2-73

NON-NEGOTIABLE

STATEMENT OF EARNINGS AND DEDUCTIONS

Phone (906) 226-7541

Resource Exploration, Inc.

Longyear Building
Marquette, Michigan 49855

December 12, 1973

BILLING
FOR SERVICES RENDERED

To: J. A. Porter
Hicks Dome Account
Box 477
Rosiclare, Illinois 62982

For: Personal services of Mr. James Hanttula for the period 11-26-73 to 12-7-73, per letter of Resource Exploration, Inc., dated 11-6-73.

Item	
Labor - 9 days	$630.00
Meals	101.10
Lodging	31.30
Transportation	162.16
Balance due	$924.56

Willard A. Bidwell
President

Paid 12-[illegible] H
2 26

CERTIFIED TRUE COPY

Pay from HDA

Phone (906) 226-7641

Resource Exploration, Inc.

Longyear Building
Marquette, Michigan 49855

December 31, 1973

BILLING
FOR SERVICES RENDERED

To: J. A. Porter
Hicks Dome Account
Box 477
Rosiclare, Illinois 62982

For: Personal services of Mr. James Hanttula for the period 12-8-73 to 12-20-73 inclusive; per letter of Resources Exploration, Inc., dated 11-6-73.

Item	
Labor 9½ days	$665.00
Meals	87.40
Lodging	30.00
Transportation	9.00
Miscellaneous	4.80
Balance due	$796.20

President

pd 1/10/74
Ck 233

CERTIFIED TRUE COPY

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois

62982

November 29, 1973

Mr. Roy A. Stacey
Rural Route
Elizabethtown, IL

Dear Roy:

Enclosed find a check in the amount of $93.21 representing wages earned for the month of November 1973. Amount due was calculated as follows:

44 hrs. x $2.25		=	$ 99.00
State Tax	0.00		
Income Tax	0.00		
Social S.	5.79		- 5.79
			$ 93.21

Sincerely,

Joseph A. Porter

Total 99.00
S.S. 5.79
Check one $ 104.79

JAP:kt
Encl. 1

CERTIFIED TRUE COPY

RECORD OF TIME WORKED

Name, S. S. No., Dependents: R. A. Stacey

Month: November

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
15-73			3 hrs		hand core
16-73			2 hrs		" "
17-73			4 hrs		cores to house
19-73			8 hrs		work on pump
20-73			8 hrs		laid tile cores to house
21-73			7 hrs		take cores from
24-73			4 hrs		Cores from Bitter Creek
26-73			4 hrs		cores to house
28-73			4 hrs		cores from Bitter Creek to house
			44		

Box 447

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois

62982

December 28, 1973

Mr. Roy Stacey
Rural Route
Elizabethtown, IL

Dear Roy:

Enclosed find a check in the amount of $127.10 repre- wages earned for the month of December 1973. Amount due was calculated as follows:

60 hrs. x $2.25 =		$ 135.00
State Tax	$ 0.00	
Income Tax	0.00	
Social Security	7.90	7.90
		$ 127.10

Sincerely,

Joseph A. Porter

Total $ 135.00
7.83
UMC 142.83

JAP:mt
Enc. 1

CERTIFIED TRUE COPY

Joseph A. Porter

RECORD OF TIME WORKED

Paul A Stacey — December

Name, S. S. No., Dependents — Month

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
1-30-73			4 hrs		Cars to Pasadena
2-3-73			6 hrs		cars to house 2 trips work on pump
2-5-73			4 hrs		Cars to Pasadena
2-7-73			4 hrs		Cars to house 2 trips
2-11 73			8 hrs		Cars to Pasadena by Susan
2-13-73			4 hrs		Cars to Pasadena
2-14-73			2 hrs		move pump with tractor
2-15-73			2 hrs		pulled car with tractor
2-17-73			2 hrs		Cars from Mill
12-18-73			8 hrs		cars to Pasadena graded road
12-19-73			4 hrs		Cars to Pasadena
12-22-73			4 hrs		Cars to house
12-27-73			4 hrs		" "
12-31-73			4 hrs		cars to Pasadena
Paid	Roy	Stacey			

October 15, 1973

Mrs. Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $139.55 representing wages earned October 1 thru 15, 1973. Amount due was calculated as follows:

81 hrs.	x $2.00 =		$ 162.00
S.T.	$ 1.97		
I.T.	11.00		
S.S.	9.48		- 22.45
			$ 139.55

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois
62982

October 26, 1973

Mrs. Ray Thornberry
Rosiclare
Illinois

Dear Ray:

Enclosed find a check in the amount of $122.44 representing wages earned October 16 thru 26, 1973. Amount due was calculated as follows:

70 hrs. x $2.00 =		$ 140.00
I.T.	$ 7.90	
S.S.	8.19	
S.T.	1.47	- 17.56
		$ 122.44

Sincerely,

Joseph A. Porter

RECORD OF TIME WORKED

Kay Thornberry 330-44-2095 2 — October 1973

Name, S. S. No., Dependents — Month

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
10-1	8:00	4:30	8		HDA
10-2	8:00	4:30	8		"
10-3	8:00	4:30	8		"
10-4	8:00	4:30	8		"
10-5	8:00	4:30	8		"
10-8	9:00	12:00	3		"
10-9	8:00	4:30	8		"
10-10	8:00	4:30	8		"
10-11	8:00	4:30	8		"
10-12	10:00	4:30	6		"
10-15	8:00	4:30	8		"
			81		
10-16	8:00	4:30	8		HDA B 45 min
10-17	8:00	4:30	8		HDA
10-18	8:00	4:30	8		HDA
10-19	8:00	~~3:30~~ 4:30	8~~7~~		HDA
10-22	8:00	4:30	8		"
10-23	8:00	4:00	7½		"
10-24	8:00	4:30	8		"
10-25	8:00	3:00	6½		"
10-26	8:00	4:30	8		
~~10-29~~			70		
~~10-30~~					
~~10-31~~					

x 447

Phone (618) 285-6683

Joseph A. Porter

Geologist

Rosiclare, Illinois

62982

November 15, 1973

Mrs. Kay Thornberry
P.O. Box 444
Rosiclare, IL 62982

Dear Kay:

Enclosed find a check in the amount of $167.43 representing wages earned November 1 thru 15, 1973. This also includes the last three days in October. Amount due was calculated as follows:

100 hrs. x $2.00 =		$ 200.00
S.T.	$ 2.97	
I.T.	17.90	
S.S.	11.70	- 32.57
		$ 167.43

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

Joseph A. Porter

x 447

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois

62982

November 30, 1973

Mrs. Kay Thornberry
P.O. Box 444
Rosiclare, IL 62982

Dear Kay:

Enclosed find a check in the amount of $147.76 representing wages earned November 16 thru 30, 1973. Amount due was calculated as follows:

86½ hrs. x $2.00 =			$ 173.00
S.T.	$ 2.22		
I.T.	12.90		
S.S.	10.12		-25.24
			$ 147.76

Sincerely,

Joseph A. Porter

RECORD OF TIME WORKED

/. Thornberry 330-44-209[redacted] / 2 — Novem[redacted] 1973

me, S. S. No. Dependents — Month

y - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
-29	8:00	4:30	8		HDA
-30	8:00	4:30	8		HDA
-31	8:00	4:30	8		HDA
-1	8:00	4:30	8		HDA
-2	8:00	4:30	8		HDA
-5	8:00	4:30	8		HDA
-6	12:30	4:30	4		HDA
-7	8:00	4:30	8		HDA
-8	8:00	4:30	8		HDA
-9	8:00	12:00	4		HDA
-12	8:00	4:30	8		HDA
-13	8:00	12:00	4		HDA
-14	8:00	4:30	8		HDA
-15	8:00	4:30	8		HDA
			100		
-16	8:00	3:30	7		HDA
-17	Trip to Paducah				HDA
-19	8:00	4:30	8	Paducah	HDA
-20	8:00	4:30	8		HDA
-21	8:00	4:30	8	Paducah	HDA
-22	Thanksgiving		8		
-23	8:00	4:00	7½		HDA
-26	8:00	4:30	8	Marion	HDA
-27	8:00	4:30	8		HDA
-28	8:00	4:30	8		
-29	8:00	4:30	8		
-30	8:00	4:30	8		

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois

62982

December 28, 1973

Mrs. Ray Thornberry
Rosiclare
Illinois

Dear Ray:

Enclosed find a check in the amount of $121.82 representing wages earned Dec. 16 thru Dec. 28, 1973. Included in tax deductions is $25.00 for X-Mas bonus; paid by separate check but figured in calculation here.

73½ hrs. x $2.00 =		$ 147.00
Christmas Bonus		25.00
		$ 172.00
S.T.	$ 2.22	
I.T.	12.90	
F.T.	10.06	- 25.18
		$ 146.82
		- 25.00
		$ 121.82

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

Joseph A. Porter

December 14, 1973

Mrs. Kay Thornberry
P.O. Box 444
Rosiclare, IL 62982

Dear Kay:

Enclosed find a check in the amount of $111.83 representing wages earned December 1 thru 15, 1973. Amount due was calculated as follows:

63 hrs. x $2.00 =		$ 126.00
S.T.	$ 1.10	
I.T.	5.70	
S.S.	7.37	- 14.17
		$ 111.83

Sincerely,

Joseph A. Porter

RECORD OF TIME WORKED

Name, S. S. No., Dependents: K. Hawkins 330-44-2095, 2

Month: December 1973

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
12-3	8:00 12:30	9:00 4:30	5		
12-4	8:00	9:00	1		
12-5	8:00	4:30	8		HDA
12-6	8:00	9:00 ~~4:30~~	~~8~~ 1		HDA
12-7	8:00	4:30	8		HDA
12-10	8:00	4:30	8		HDA
12-11	8:00	4:30	8		HDA Ohio
12-12	8:00	4:30	8		HDA Flagman
12-13	8:00	4:30	8		HDA Flagman
12-14	8:00	4:30	8		HDA
			63		
12-15	9:00	11:00	2		Flagman Club
12-17	8:00	4:30	8		HDA
12-18	8:00	4:30	8		Flagman Club
12-19	8:00	4:30	8		F.C.
12-20	8:30	3:30	6½		HDA + F.C.
12-21	8:00	4:30	8		HDA
12-24	8:00	9:00	1		HDA
12-25	X-MAS		8		
12-26	8:00	4:30	8		
12-27	8:00	4:30	8		
12-28	8:00	4:30	8		
12-31					
			93½		
Max hours.					

FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage II
Submitted to supplement

OPERATOR'S MONTHLY VOUCHER

For Month of Sept. - Oct., 1973

Docket No. OME- 6873
Contract 14-08-0001 (2306)
Contract Amount $ 56,480
Gov't. Participation % 35 $ 19,768

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.
Address Shearman and Sterling, 53 Wall St. New York, NY 10005

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
Category (1)		$		$		$		$
Dozing, hours	32	150.00	80	750.00	32	150.00	80	750.00
Rotary drilling	-	-	½	175.00	--	--	0.5	175.00
Drilling feet	-	-	1821	7,284.00	--	--	1821	7,284.00
Casing	-	-	341.5	478.10	--	--	341.5	478.10
Service time	-	-	3.75	150.00	--	--	3.25	150.00
Core drilling, Mobil	-	-	½	500.00	--	--	0.5	500.00
Coring NX 0-500	-	-	175	700.00	--	--	175	700.00
500-1000	-	-	996	5,826.60	--	--	996	5,826.60
1000-1500	-	-	1500	9,525.00	--	--	1500	9,525.00
1500-2000	-	-	1500	10,350.00	--	--	1500	10,350.00
2000-2500	115	862.50	1425	10,687.50	115	862.50	1425	10,687.50
2500-3000	45	378.00	45	378.00	45	337.50 1/	45	337.50
Set-up/casing, hrs	46	897.00	187	3,198.00	46	897.00	164	3,198.00
Reaming	-	-	51	1,147.50	--	--	51	1,147.50
Reaming bits	-	-	526	526.00			526	526.00
Survey time	10	193.00	23	380.50	7	136.50 2/	17	324.00
Casing Lost	280	812.00	280	812.00	280	812.00	280	812.00
Excess bits	-	1.87	1179	590.18	--	-- 3/	1179	590.18
Mud	5	13.75	72.5	317.50	5	13.75	68.5	317.50
Category (2)								
Geologist-Supervisor	-	-	4	5,950.00	--	--	4.25	5,950.00
Sampler-Assistant	-	-	4	852.44	--	--	3.25	852.44
Category (3)								
Core boxes	-	-	614	767.50	--	--	614	767.50
Sample bags	-	-	58	29.00	--	--	58	29.00
Category (7)								
Office Expense	-	-	4	579.20	--	--	4	579.20
Assay CaF2 (wet)	-	-	113	452.00	--	--	113	452.00
BaSO4 (wet)	-	-	113	339.00	--	--	113	339.00
Spectrographic	7	70.00	45	412.00	7	70.00	45	412.00
CaF2 Spec. Ion	-	-	77	163.00	--	--	77	163.00
Other assays	-	-	165	453.50	--	--	165	453.50
Stage II total (allowable at 35%)						3,279.25		63,676.52
Stage I total (allowable at 50%)								73,385.59
TOTALS		$3,378.12		$63,773.52		$		$ 137,062.11

I certify that the above bill is correct and just and that payment therefor has not been received.

Date June 11, 1974 Payee Hicks Dome Account
Joseph A. Porter

Per Joseph A. Porter Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Hickerson Chief OME ~~Field Officer~~ Date 7/24/74

(63) 14X0804

Approved for: $ 1,147.74
(SUBJECT TO AUDIT)

Signature FAW

Date 29 JUL 1974 Vou. No. 05114A

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS

1/ Claimed $378.00
Allow 337.50 ($7.50 x 45)
Disallow $40.50

No price established for depth below 2500 feet. Allow footage claimed at $7.50 per foot. Additional depth allowed by Article 5c, par. 1, Amendment No. 1.

2/ Claimed $193.00
Allow 136.50 ($19.50 x 7)
Disallow $56.50

Invoice shows only 7 hours survey time, Hole FSB-2.

3/ Claimed $1.87
Allow 0
Disallow $1.87

Paid on previous voucher.

TOTAL DISALLOWANCES $98.87

Total costs approved for stages I & II do not exceed funds available. Amendment No. 1, page 2, Article 5b, last paragraph permits excess funds from Stage I to be used in Stage II.

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Vouche

DIAMOND C.
ROTARY DRILLING
GROUTING
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE cable: BOYLESBROS
LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: October 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 6
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
P.O. Box 447
Rosiclare, Ill. 62982

Hole No.	From	To	Footage	Rate	Total
FSB-2	2385	2500	115	$ 7.50	$ 862.50
	2500	2545	45	8.40	378.00
	Surveying		7 hrs.	19.50	136.50
	Pulling Casing		48 hrs.	19.50	936.00
	Mud used to hold cave to get down to stuck casing		5 sks.	2.75	13.75
	Casing lost and damaged in hole		280 ft.	2.90	812.00
	NX Casing shoe lost in hole - Serial #3S-14890 15.46X9.50 + 42.00				188.87
	Rental on Eastman Camera				202.49
			+ 15%		30.37
					3,560.48

DIAMOND CORE DRILLING
ROTARY DRILLING
GROUTING
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

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INVOICE DATE: October 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 6
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
Page 2

Hole No.	From	To	Footage	Rate	Total
FSB-3	Setting over and trying to clean out hole				
	Weekstarting Oct. 8th and ending Oct. 13th		117 hrs.	$ 19.50	$ 2,281.50
	Week starting Oct 15th and ending Oct. 20th		120 hrs.	19.50	2,340.00
	Week starting Oct. 22nd thru Oct. 25th		81 hrs.	19.50	1,579.50
	Moving over and starting new hole				
	Hourly rate - Oct. 26 & 27		39 hrs.	19.50	760.50 702.00 X
	Oct. 29, 30, 31		40 hrs.	19.50	780.00
					7,683.00

DIAMOND CORE DRILLING
ROTARY DRILLING
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DIAMOND DRILLING EQUIPMENT
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INVOICE DATE: October 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 6
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT

Page 3

Hole No.	From	To	Footage	Rate	Total
FSB-3 Cont.	Materials used in hole:				
	Mud -	50# bags	48	$ 2.75	$ 132.00
		100# bags	49	5.50	269.50
	Cal Seal	100# bags	20	7.885	157.71
	NX Casing		80 ft. +15%	2.90	23.66 232.00
	NXWL rods		30 ft.	3.60	108.00
	PK rod		10 ft.	4.80	48.00
	N rod		1 ft.	12.57	12.57
	NXWL rod to N rod adapter				10.42
	1 - 6¼" Rock Bit				100.95
	2 - 3 7/8" Rock Bits			54.04	108.08
	2 - 2 15/16" Rock bits			55.11	110.22
					Cont.

DIAMOND CORE DRILLING
ROTARY DRILLING
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DRILLING ADDITIVES

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INVOICE DATE: October 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 6
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
Page 4

Hole No.	From	To	Footage	Rate	Total
FSB-3 Cont.	NXC Shoe - Serial # 3S-23855 16.05 x 9.50 + 42.00				$ 194.48
	NXC Shoe - Serial # 3S-23852 16.05 x 9.50 ± 42.00				194.48
	NXC Shoe - Serial # 3S-23853 16.05 x 9.50 + 42.00				194.48
	Mileage driven to get materials or put materials on job: 2 Round trips from M'boro to jobsite - 760 miles; 3 Round trips from jobsite to Crossville - 450 miles; 1 " " " " " Carmi - 135 miles; 1 " " " " " Marion - 100 miles				
		Total mileage	1445 miles	.35	505.75
	Core boxes	(NX size)	300	1.50	450.00
		Total of pages 3 & 4			2,852.30

DIAMOND CORE DRILLING
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INVOICE DATE: October 31, 1973
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CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
Page 5

Hole No.	From	To	Footage	Rate	Total
Cut-Out # 19258					
	2 - NXC3 Serial # 3S-12565 & 3S-12566		159'	$ 1.29	
		Less Scrap & Salvage			$ 205.42
		Less	159'	.85	- 135.15
					70.27
	2 - NXC Serial #3S-28833 & 3S-28834		208'	1.71	355.09
		(Less Scrap & Salvage)			
		Less	208'	.85	- 176.80
					178.29

DIAMOND CORE DRILLING
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INVOICE DATE: October 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 6
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill

HICKS DOME ACCOUNT

Page 6

Hole No.	From	To	Footage	Rate	Total
1 - NXC3 Serial #3S-28842			63'	$ 1.35	$ 84.88
	Less Scrap & Salvage		63'	.85	- 53.55
					31.33
1 - NXC3 Serial # 3S-28841 (Less Scrap & Salvage)			231'	.70	161.43
		Less	231'	.85	- 196.35
					34.92 CR.
1- NXC3 Serial # 3S-28840 (Less Scrap & Salvage)			32'	5.08	162.66
		Less	32'	.85	- 27.20
					135.46

DIAMOND CORE DRILLING
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INVOICE DATE: October 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 6
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

Hicks Dome Account
Page 7

Hole No.	From	To	Footage	Rate	Total
Cut-Out #19259					
1 - NXC Serial #3S-23070			146'	$ .78	$ 113.88
	(Less Scrap & Salvage)				
		Less	146'	.85	- 124.10
					10.22 CR.
2 - NXC Serial #'s 3S-22759 & 2S-46356			381'	.46	175.26
	(Less Scrap & Salvage)				
		Less	381'	.85	- 323.85
					148.59 CR.

DIAMOND CORE DRILLING
ROTARY DRILLING
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HICKS DOME ACCOUNT

Page 8

Hole No.	From	To	Footage	Rate	Total
1 - NXC Serial # 3S-22755			35'	$ 4.77	
(Less Scrap & Salvage)					$ 166.95
		Less	35'	.85	- 29.75
					137.20
1 NXC3 - Serial # 3S-26156			115'	1.60	184.00
(Less Scrap & Salvage)					
		Less	115'	.85	- 97.75
					86.25
		October Invoice Total - $ 14,540.85			

OK for payment

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: Hicks Dome Account
c/o Gilbert Kerlin, Esq.
Shearman and Sterling, 53 Wall St.
New York, NY 10005

Amount Claimed:	Differences (Explained Below)	Amount Approved
$ 25,011.43	$ 3,311.68	$ 21,699.75 7,594.91 (Govt Part 35%)
Bu. Voucher No.	**Payee's Invoice No.**	**Period**
	Docket #6873 Contract #2306	Sept. & Oct. 1973

EXPLANATION

Actual Costs		
Category (1) Independent Contracts		
Bulldozing		
Claimed	150.00	
Allowed	-0-	150.00
May be reclaimed upon receipt of copy of invoice for bulldozing.		
Lost Casing		
Claimed 73 ft at 1.50/ft	109.50	
Allowed 73 ft at 1.40/ft	102.20	7.30
Diamond Drilling 2000-2500 ft		
Claimed 904 ft at 7.50/ft	6,780.00	
Allowed 789 ft at 7.50/ft	5,917.50	862.50
Invoices total $5,917.50 for 789ft at $7.50/ft fo Nx drilling in the range from 2,000 to 2,500 ft - oct Invoice		
Diamond Drilling 2500-3000 ft		
Claimed 45 ft at 8.40/ft	378.00	
Allowed	-0-	378.00
May be reclaimed upon receipt fo copy invoice for drilling in this range. - oct. Inv.		
Set Up Time 25 on Sept Inv.		
Claimed 49 on Oct	1,384.50	
Allowed	487.50	897.00
Contractor's invoices total 25 hours to set up rig and install casing		

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

Branch of Budget and Finance

Standby Time 3 in sent 7 in out 10 hrs claim		
Claimed	193.00	
Allowed	-0-	193.00
May be reclaimed upon receipt of supporting invoices.		
Lost casing		
Claimed Oct invoice	812.00	
Allowed	-0-	812.00
May be reclaimed upon receipt of supporting invoices.		
Excess Bit Costs		
Claimed	329.61	
Allowed	331.48	(1.87)
Arithemetical errors in compiling claim.		
Drill Muds		
Claimed	35.75	
Allowed	22.00	13.75
No invoices submitted for excess claim. May be reclaimed upon receipt of missing invoices.		
Category (7) Miscellaneous		
Spectrographic Analyses		
Claimed 45 samples	342.00	
Allowed 38 samples	342.00	-0-
Invoices indicate 45 samples but amount claimed includes charges for only 38 samples. Balance of $70.00 for 7 analysis may be claimed.		
		3,311.68

Larry H. Robenson
For: Use of D-4 tractor leveling sites
moving drill Sept 73
Flicker Dome Account c/o Joseph A. Porter
Box 447
Roseclare, Ill.

6 hrs	Cleaning out pond receiver	12 50	75 00
8 hrs	leveling drill site	12 50	100 00
8 hrs	leveling drill site	12 50	100 00
10 hrs	leveling drill site	12 50	125 00
			400 00

Larry H. Robenson
pd 10/15/73

[illegible]

CERTIFIED TRUE COPY
[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee:

Hicks Dome Account
c/o Gilbert Kerlin, Esq
Shearman & Sterling
53 Wall Street
New York, N.Y. 10005

Amount Claimed:	Differences (Explained Below)	Amount Approved
$3,378.12	$98.87	$3,279.25 1,147.74 (Govt. Part) 35%
Bu. Voucher No.	**Payee's Invoice No.**	**Period**
	Docket 6873 Contract #2306	Sept - Oct, 1973

EXPLANATION

1. Claimed $378.00
   Allow. 337.50
   Disallow $ 40.50 — NO price established for depth below 2500 feet. Allow footage claimed at $7.50 per foot. Additional depth allowed by Article 5c, par.1, Amendment No. 1.

2. Claimed $193.00
   Allow 136.50
   Disallow $ 56.50 — Invoice shows only 7 hours survey time, Hole FSB-2

3. Claimed $ 1.87
   Allow 0
   Disallow $ 1.87 — Paid on previous voucher.

Total Disallowance $98.87

Total costs approved for Stages I & II do not exceed fund available. Admentment No. 1 page 2, Article 5b, last paragraph permits excess funds from Stage I to be used in Stage II.

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

Branch of Budget and Finance

Box 447

Rec. 7/2/74

Phone (618) 285-6635

Joseph A. Porter

Geologist

Rosiclare, Illinois
62982

June 24, 1974

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, VA 22092

Re: OME-6873 (Fluorspar, et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed are four copies of the Operator's Report for the voucher for January, February and March, 1974. Would you kindly attach these to the voucher forms.

With best regards,

Sincerely yours,

Joseph A. Porter

JAP:kt
Enc. 4

Box 447

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois
62982

June 11, 1974

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, VA 22092

Re: OME-6873 (Fluorspar, et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

I am submitting here a voucher Form 9-1648 to supplement the previously submitted September - October, 1973 voucher. This is being submitted to replace the letter of March 21 where credit was claimed for certain costs which were previously disallowed. Required receipts were included with the letter.

Since copy facilities are not easily available here I would appreciate if you would return two Xerox copies.

Please advise if this in order.

Sincerely,

Joseph A. Porter

Joseph A. Porter

Enc. 4
cc. J.L. Carroll
file

Box 447

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois

62982

C. AL
PY
C. E.
ED
M 25 1974
INITIALS | CODE
AK

March 21, 1974

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, VA 22092

Re: Sept.-Oct. Voucher
OME-6873 (Fluorspar, et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

The October invoice from Boyles Bros. and the invoice for bulldozing were inadvertently not submitted with the voucher. Both are submitted here.

The following items are reclaimed here for reimbursement:

1.	Dozing Actual incurred ($400.00) Claimed	$ 150.00 ✓
2.	Drilling 2,000-2,500 115' @ $7.50	862.50 ✓
3.	Drilling 2,500-3,000 45' @ $8.40	378.00 — * 337.50
4.	Casing 48 hrs. @ $19.50/hr.	936.00 —
5.	Standby/survey 7 hrs. @ $19.50/hr.	136.50
6.	Lost casing 280' @ $2.90/ft.	812.00
	Total submitted	$ 3,275.00
		x .35
	Government share	$ 1,146.25

Box 447 Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois

62982

February 1, 1974

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, VA 22092

Re: OME-6873 (Fluorspar, et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed are four copies of Form 9-1648, Operator's Monthly Voucher for September - October and one copy of all relevant receipts. This is the final voucher for Stage II. I would appreciate it if you would make a copy of all the receipts and return them to me.

Also enclosed is one copy of the Operator's Monthly Report for September and October plus one copy of pertinent geologic data for each of the three drill holes of Stage II. I have forwarded one copy of this to Bob Trace and one copy to Allen Heyl.

I would appreciate it if you would advise me of any changes or corrections in the figures.

Sincerely yours,

Joseph A. Porter

Joseph A. Porter

JAP:kt
Enc.

OFFICIAL COPY
O. M. E.
RECEIVED
1974
INITIALS | COLL
HK

Actual cost for bulldozing totaled $400.00. Only $150.00 is claimed in as much as that is allowed by the contract. Receipt for dozing is not included here but I have requested that a copy be sent from the New York office.

This should close Stage II of the contract. Please advise me of any differences.

Sincerely yours,

Joseph A. Porter

JAP:kt

FORM 9-16
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage II

OPERATOR'S MONTHLY VOUCHER For Month of Sept. & Oct., 1973

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.

Address SHearman and Sterling, 53 Wall St. New York, NY 10005

Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $56,480
Gov't. Participation %35 $ 19,768

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, hours	32	150.00	80	750.00	--	--	48	600.00
Rotary Drill, Mobil.	-	-	½	175.00	--	--	0.5	175.00
Drilling, feet	785	3,140.00	1821	7,284.00	785	3,140.00	1821	7,284.00
Casing	73	109.50	341.5	485.40	73	102.20	341.5	478.10
Service Time	-	-	3.75	150.00	--	--	3.75	150.00
Core Drilling, Mobil.	-	-	½	500.00	--	--	0.5	500.00
Coring NX 0-500	-	-	175	700.00	--	--	175	700.00
(2) 500-1000	215	1,257.75	996	5,826.60	215	1,257.75	996	5,826.60
(2) 1000-1500	500	3,175.00	1500	9,525.00	500	3,175.00	1500	9,525.00
(2) 1500-2000	519	3,581.10	1500	10,350.00	519	3,581.10	1500	10,350.00
(2) 2000-2500	904	6,780.00	1425	10,687.50	789	5,917.50	1310	9,825.00
(2) 2500-3000	45	378.00	45	378.00	--	--	--	--
Set/up - casing	71	1,384.50	187	3,198.00	25	487.50	118	2,301.00
Reaming	-	-	51	1,147.50	--	--	51	1,147.50
Reaming bits	-	-	526	526.00	--	--	526	526.00
Survey (Standby) Time	10	193.00	23	380.50	--	--	10	187.50
Casing	280	812.00	280	812.00	--	--	--	--
Excess Bits	781	329.61	1179	588.31	781	331.48	1179	590.18
Mud	9	35.75	72.5	317.50	4	22.00	63.5	303.75
Category (2)								
Geologist-Supervisor	1	1,400.00	4	5,950.00	1	1,400.00	4.25	5,950.00
Sampler-Assistant	1	333.17	4	852.44	1	333.17	3.25	852.44
Category (3)								
Core Boxes	239	298.75	614	767.50	239	298.75	614	767.50
Sample Bags	21	10.50	58	29.00	21	10.50	58	29.00
Category (7)								
Office Expense	1	159.30	4	579.20	1	159.30	4	579.20
Assasy CaF_2 (wet)	75	300.00	113	452.00	75	300.00	113	452.00
$BaSO_4$ (wet)	75	225.00	113	339.00	75	225.00	113	339.00
Spectrographic	45	342.00	45	342.00	38	342.00	38	342.00
CaF_2 Specific Ion	77	163.00	77	163.00	77	163.00	77	163.00
Other Assays	165	453.50	165	453.50	165	453.50	165	453.50
						21,699.75		60,397.27
Stage I totals (allowable at 50% of cost)								73,385.59
TOTALS		$25,011.43		$63,708.95		$		$ 133,782.86

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Dec 31, 1974 *Payee Hicks Dome Account
Joseph A. Porter

Per Joseph A. Porter Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Kikkano Chief, OME ~~Field Officer~~ Date 3/27/74

(63) 14X0804

Approved for: $ 7,594.91
(SUBJECT TO AUDIT)

Signature BMT

Date MAR 5 1974 Vou. No. R4177A

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS
	See attached sheets

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

FOR GOVERNMENT USE

REMARKS

1/

Claimed	$ 150,00	
Allow	0	
Disallow	$ 150.00	$150.00

May be reclaimed upon receipt of copy of invoice for bulldozing.

2/

Claimed	$ 109.50	
Allow (73' x 1.40)	102.20	
Disallow		7.30

Contract allows casing at $1.40/ft. not $1.50 as billed by contractor.
Use of 7-inch casing is approved. HK.

3/

Claimed	$6,780.00	
Allow	5,917.50	
Disallow		862.50

Invoices total $5,917.50 for 789 ft. at $7.50/ft. of Nx drilling in range from 2,000 to 2,500 feet.

4/

Claimed	$378.00	
Allow	0	
Disallow		378.00

Although Section 5c in Amendment No. 1 allows extension of existing holes, there are no supporting documents to show that any hole was drilled below a depth of 2,404 feet.

5/

Claimed	$1,384.50	
Allow (25 hr. x $19.50)	487.50	
Disallow		897.00

Contractor's invoices total 25 hours to set up rig and install casing.

FOR GOVERNMENT USE

REMARKS (continued)

6/	Claimed	$ 193.00	
	Allow	0	
	Disallow		$193.00

May be reclaimed upon receipt of copy of invoice for surveying. (standby time @ $18.75/hr.)

7/	Claimed	$ 812.00	
	Allow	0	
	Disallow		812.00

Assume this is lost casing. May be reclaimed upon receipt of copy of invoice for lost casing.

8/	Claimed	$ 329.61	
	Allow	331.48	
			(1.87)

Arithemetical errors in compiling claim. See corrections on Invoice No. 5, page 3 and 5.

9/	Claimed	$ 35.75	
	Allow	22.00	
	Disallow		13.75

No invoice submitted for excess claim. May be reclaimed upon receipt of copy of missing invoices.

10/ Allow as claimed. Total of office expenses does not exceed the allowable total of $600.00.

11/ Invoices indicate 45 samples but amount claimed includes charges for only 38. Balance of $70.00 for 7 analysis may be claimed.

TOTAL DISALLOWANCES $3,311.68

Total costs approved for Stages I and II do not exceed costs allowed by contract.

Telephone Area Code 618
Carmi 382-7181

P. O. Box 389
Carmi, Illinois 62821

In Account With

Dixon

a division of scw-kor.inc.

TO

Weiks Dome Project
P.O. Box 506
Rosiclare, Illinois 62982

Date 9/21/73

Invoice Number 30-211-5

Delivery Ticket

Lease #FSB-2
(OMC-7)

TERMS: 30 Days Net.

Quan.	Part No.	Description	Unit Price	Amount
	DRILLED:		785' @ $4.00/ft	$ 3140.00
	MATERIAL:	7" casing left in hole	73' @ $1.50/ft	109.50
		5% Ill. R.O. tax on $109.50		5.47
			Total Invoice	$ 3254.97
			Illinois Delivery	

CERTIFIED TRUE COPY

DIAMOND CORE DRILLING
ROTARY DRILLING
GROUTING
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE cable: BOYLESBROS
LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: October 9, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: Correction on 5
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, ILL.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
P.O. Box 447
Rosiclare, Ill. 62982

Hole No.	From	To	Footage	Rate	Total
FSB-2 CORRECTION	785	1000	215	$ 5.85	$ 1,844.70
(OME-7)	785	1000	215	5.85	1,257.75
				Difference	$ 586.95 CR.
		NEW SEPTEMBER INVOICE TOTAL			$15,795.07

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9

DRILLING
UTING
OUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 53 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

INVOICE DATE: September 29, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 5
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
Post Office Box 447
Rosiclare, Illinois 62982

Hole No.	From	To	Footage	Rate	Total
					1,257.75
FSB-2	785	1000	215	$ 5.85	~~$ 1,844.70~~
(OME-7)	1000	1500	500	6.35	3,175.00
	1500	2000	500	6.90	3,450.00
	2000	2385	385	7.50	2,887.50
	Running Magnet		1 hr	19.50/hr	19.50
	Setting up over hole		6 hrs.	19.50/hr	117.00
	Delay - Waiting for Dikor drill to get off hole		3 hrs.	18.75	56.25
	Casing		10 hrs.	19.50	195.00
	Mud		4 sks.	5.50	22.00
					$11,766.95
					11,180.0

CERTIFIED TRUE COPY

9

JRE DRILLING
DRILLING
ING
NDATION TESTING
IAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE cable: BOYLESBROS
LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: September 29, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 5
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
Post Office Box 447
Rosiclare, Illinois 62982

Page 2

Hole No.	From	To	Footage	Rate	Total
H-7	1981	2000	19	$ 6.90	$ 131.10
(OME-6)	2000	2404	404	7.50	3,030.00
	Casing		6 hrs	19.50/hr	117.00
					$ 3,278.10
	Core Boxes		300	1.50 ea	450.00
Bit Cut-Out #12809					
	1 NXC3 Serial #3S-9965		71'	1.38	106.22
	Less	OME-6	71'	.85	-60.35
				0.53	45.87
					37.63

CERTIFIED TRUE COPY

9 Bit cut claimed
3S-9965 1.38/ft
-.85
x0.53 x 71' = 71' 37.63

CORE DRILLING
DRILLING
TESTING
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
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PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE cable: BOYLESBROS
LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: September 29, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 5
CONTRACT: Hicks Dome Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill

HICKS DOME ACCOUNT
Page 3

Hole No.	From	To	Footage	Rate	Total
	2 NXC3 Serial # 3S-18483 & 3S28839				
	Total Footage		161'	$ 1.12	$ 179.57
		Less	161'	.85	- 136.85
				0.27	42.72
	1 NXC3 Serial # 3S-2884		49'	2.42	118.79
		Less	49'	.85	- 41.65
				1.57	77.14
	1 NXC3 Serial # 3S-18480		70'	3.50	244.99
		Less	70'	.85	- 59.50
				2.65	185.49

CERTIFIED TRUE COPY

9

35-18483 & 28839 —
1.12
-.85
.27/ft × 161' = 161 ft @ 42.72
(.265)

35-2884 2.42
-.85
1.57/ft
claimed 49' @ 0.65 = 31.85

35-18480
3.50
.85
2.65
claimed 70' @ 0.65 45.50

CORE DRILLING
DRILLING
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE cable: BOYLESBROS
LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: September 29, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 5
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill

HICKS DOME ACCOUNT
Page 4

Hole No.	From	To	Footage	Rate	Total
Cut-Out #12664					
	1 NXC Serial # 3S-28843		116'	$ .76	$ 87.76
		Less	116'	.85	- 98.60
					10.84 CR.
	1 NXC Serial # 3S-18481		243'	.48	116.64
		Less	243'	.85	- 206.55
		0 ME-5			89.91 CR.
	1 NXC3 Serial # 3S-28838		10'	8.47	84.75
		Less	10'	.85	- 8.50
		0 ME-5			76.25
	CERTIFIED TRUE COPY				

9

35-28838 -
8.47
.85
7.62
Claimed - 10 ft @ 0.65 = 6.50

CORE DRILLING
DRILLING
CUTTING
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
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LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: September 29, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 5
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
Page 5

Hole No.	From	To	Footage	Rate	Total
	1 NCX3 Serial #3S-28835		172'	$ .94	$ 160.89
		Less OME-5	172'	.85	- 146.20
				.09	14.69
	1 NXC Serial #3S-9968		145'	1.43	207.02
		Less OME-5	145'	.85	- 123.25
				0.58	83.77
Cut-Out #19254	4 NXC3 Serial #3S-13620, 3S-18473, 3S-18476, 3S-18477		OME-5 OME-5 OME-5 OME-5		
		Total Footage	498'	.72	359.28
		Less	498'	.85	- 423.30
					65.98 CR.

CERTIFIED TRUE COPY

9

35 28835 .94
.85
$0.09 : 17'
claimed $0.09 x 172' = $14.69

35-9968 1.43
-.85
0.58
claimed 0.58 x 145' = 83.77

DIAMOND CORE DRILLING
ROTARY DRILLING
GROUTING
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
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SALT LAKE CITY, UTAH 84110
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INVOICE DATE: September 29, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 5
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
Page 6

Hole No.	From	To	Footage	Rate	Total
	1 NXC3 #3S-18475		103' ✓	$ 1.95	$ 201.07
		Less	103'	.85	87.55
		OMC-5		1.10	113.52
					113.30
CUT-Out #19256					
	1 NX Casing Shoe Serial #3S-14393				186.07
	1 NX Concave bit (Drilling by wedge) Serial #1S-51933				228.18
					414.25
			Corrected To SEPTEMBER INVOICE TOTAL		$15,795.07 ~~$16,382.02~~

9

CERTIFIED TRUE COPY

35-18475 1.95
.85
1.10
claimed 103' @ 0.65 = 66.95

Box 447

Phone (618) 285-6695

Joseph A. Porter
Geologist
Rosiclare, Illinois
62982

September 28, 1973

Mr. Roy A. Stacey
Elizabethtown
Illinois

Dear Roy:

Enclosed find a check in the amount of $155.25 representing wages earned for the month of September 1973. Amount due was calculated as follows:

73 hrs. x $2.25 =		$ 164.25
State Tax	$0.00	
Income Tax	0.00	
Social S.	9.61	- 9.61
		$ 155.25 #154.64

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

JAP:kt
Encl. 1

overpaid 61¢

Total Earned 164.25
Social Sec. + 9.61
Total 173.86

RECORD OF TIME WORKED

Roy A. Stacey — Sept

Name, S. S. No., Dependents — Month

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
9-1-73			2 hrs	with Bulldozer	
9-3-73			2 hrs	"	"
9-5-73			4 hrs		cares to Rosiclare
9-5-73			2 hrs		lay pipe
9-7-73			8 hrs		Cars to Rosiclare had days made all trips
9-10-73			9 hrs		water line, Survey hole
9-12-73			2 hrs		cares to house
9-13-73			2 hrs		care to house
9-14-73			2 hrs		" " "
9-15-73			2 hrs		" " "
9-17-73			8 hrs		with Bulldozer 2 Trips to Rosiclare
9-18-73			6 hrs		pipe line, Care to house with case
9-19-73			2 hrs		cares to house
9-20-73			3 hrs		cares from 2 drill rigs
9-21-73			4 hrs		cares to Rosiclare
9-22-73			3 hrs		Cares to house
9-24-73			2 hrs		cares to house
9-25-73			2 hrs		cares to house
9-26-73			4 hrs		Cares to Rosiclare
9-28-73			4 hrs		" " "
			73		

September 14, 1973

Mrs. Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $108.79 representing wages earned September 1 thru 15, 1973. Amount due was calculated as follows:

56 hrs. x $2.00 =		$ 122.00
I.T.	$5.10	
S.S.	7.14	
S.T.	.97	- 13.21
		$ 108.79

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

Total 122.00
Social Sec 7.14
129.14
1/2 office $64.57
1/2 Sangster $64.57

September 28, 1973

Mrs. Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $152.58 representing wages earned September 16 thru 30, 1973. Amount due was calculated as follows:

79 hrs.	x	$2.00	=	$ 158.00
7 hrs.	x	$3.00	=	21.00
				$ 179.00
S.T.		$ 2.35		
I.T.		13.60		
S.S.		10.47		- 26.42
				$ 152.58

Sincerely,

Joseph A. Porter

Total Earned 179.00
Social Sec. 10.47
Total — $189.47
1/2 office — 94.73
1/2 Saylor — $94.74

RECORD OF TIME WORKED

Kay Thornbury 330-44-2095 2 — September 1973

Name, S. S. No., Dependents — Month

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
9-8-4	8:00	4:30	8		HDA
9-8-5	8:00	4:30	8		HDA
9-8-6	8:00	4:30	8		HDA
9-8-7	8:00	4:30	8		HDA
9-8-10	8:00	4:30	8		HDA
9-8-13	8:00	4:30	8		HDA
9-8-14	8:00	4:30	8		
			56		
9-17	8:00	4:30	8		HDA
9-18	8:00	4:30	8		HDA
9-19	8:00	4:30	8		HDA
9-20	8:00	4:30	8		HDA
9-21	8:00	4:00	7½		HDA
9-24	8:00	4:30	8		"
9-25	8:00	4:30	8		"
9-26	8:00	4:30	8		"
9-27	8:00	4:00	7½		"
9-28	8:00	4:30	8		"
			79		
9-13	8 bags				
9-15	22 bags	7 hrs. (time ½)			

EARNINGS	HOURS	AMOUNT	DEDUCTIONS			
REGULAR		75000	FED. TAX	11267	STATE TX	1458
			GRP INS	1057		
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			13782

YEAR TO DATE	
GROSS PAY	1235000
F.I.C.A.	63180
FED. TAX	181939
STATE TAX	23786

FOR PERIOD ENDING 09-15-73

NET PAY 612.18

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
1.5MM 2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 000290476

EARNINGS	HOURS	AMOUNT	DEDUCTIONS			
REGULAR		75000	FED. TAX	11267	STATE TX	1458
			GRP INS	1057		
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			13782

CERTIFIED TRUE COPY

YEAR TO DATE	
GROSS PAY	1310000
F.I.C.A.	63180
FED. TAX	193206
STATE TAX	25244

FOR PERIOD ENDING 09-30-73

NET PAY 612.18

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
1.5MM 2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

SKYLINE LABS, INC.
SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 0749
JOB NO.: M-2070
P.O. NO.:

DATE: September 7, 1973

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

OME-5 (FSB-1)

Analysis of 22 Pulp Samples

1	Copper @ $1.00	$ 1.00
12	Lead @ $1.00	$ 12.00
10	Zinc @ $1.00	$ 10.00
20	Semi-quant spectrographic analysis @ $9.00	$180.00
9	Fluorine (<10%) @ $2.00	$ 18.00
9	Fluorine (>10%) @ $3.00	$ 27.00
20	Beryllium @ $2.00	$ 40.00
20	Niobium @ $5.00	$100.00
20	Thorium (X-Ray Fluorescence) @ $1.00	$ 20.00
11	Barium @ $2.00	$ 22.00

Total $430.00

CERTIFIED TRUE COPY

INVOICE COPY

SKYLINE LABS, INC.
SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 1361
JOB NO.: M-2207
P. O. NO.:

DATE: November 14, 1973

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

OME-6 (Hamp 7)

Analysis of 37 Pulp Samples

1	Zinc (Assay) @ $1.50	$ 1.50
18	Semi-quant spectrographic analysis @ $9.00	162.00
37	Fluorine @ $2.00	74.00
37	Barium @ $4.00	148.00
11	Niobium @ $5.00	55.00
	TOTAL	$ 440.50

CERTIFIED TRUE COPY

ORIGINAL INVOICE

GrayLine GrayLine GrayLine GrayLine

STATEMENT

To: Joseph A. Porter
P.O. Box 447
Rosiclare, IL 62982

DATE 9-30-73

From: V.C. McDonald
P.O. Box 592
Rosiclare, IL 62982

For assays done during September, 1973.

Please detach and return upper portion with your remittance. $ 147.00

DATE	CHARGES AND CREDITS	BALANCE
	Hamp 7 H-301 - H-323 (excluding 312 &315)	
"Wet assays"	21 CaF_2 assays @ $4.00 each	84.00
	21 $BaSO_4$ assays @ $3.00 each	63.00
	CERTIFIED TRUE COPY	
	Respectfully submitted,	
	V.C. McDonald V.C. McDonald	
		$ 147.00

GrayLine "SNAP-A-WAY" FORM 44-501 2-PARTS

Your Check Is Your Receipt

WILSON JONES COMPANY © 1961 PRINTED IN U.S.A.

STATEMENT

To: Hicks Dome Account
c/o Joseph A. Porter
P.O. Box 447
Rosiclare, IL 62982

DATE 11-30-73

From: V.C. McDonald
P.O. Box 592
Rosiclare, IL 62982

Assay work done October thru November

Please detach and return upper portion with your remittance. $ 378.00

DATE	CHARGES AND CREDITS	BALANCE
	Hamp 7 (OME-6) #s H-324 - H-337	
	14 CaF_2 assays @ $4.00	56.00
	14 $BaSO_4$ assays @ $3.00	42.00
	FSB-2 (OME-7)	
	40 CaF_2 assays @ $4.00	160.00
	40 $BaSO_4$ assays @ $3.00	120.00
		$ 378.00

wet assays

CERTIFIED TRUE COPY

Respectfully submitted,

V.C. McDonald

Greyline "SNAP-A-WAY" FORM 44-501 3-PARTS

Your Check is Your Receipt

WILSON JONES COMPANY

SKYLINE LABS, INC.
SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 0911
JOB NO.: M-2120
P.O. NO.:

DATE: September 25, 1973

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

Hole OME 5 (FSB-1)

Samples # SB 009-023
SB 036-042

Analysis of 22 Pulp Samples

7	Semi-quant spectrographic analysis @ $10.00	$ 70.00
22	Fluorine @ $2.00	$ 44.00
22	Barium @ $2.00	$ 44.00

Total $158.00

CERTIFIED TRUE COPY

INVOICE COPY

FORM 9-[redacted]
MARCH 19[redacted]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

INITIALS CODE DEC 28 1973 RECEIVED O. M. E. OFFICIAL COPY

Stage II

OPERATOR'S MONTHLY VOUCHER

For Month of August 1973

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.

Address Shearman and Sterling, 53 Wall St. New York, NY 10005

Docket No. OME 6873

Contract 14-08-0001 2306

Contract Amount $56,480

Gov't. Participation % 35 $ 19,768

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, Hrs.	16	200.00	48	600.00	16	200.00	48	600.00
Rotary Drill, Mobil.	-	-	½	175.00	--	--	0.5	175.00
Drilling, feet	-	-	1036	4,144.00	--	--	1,036	4,144.00
5½" casing	-	-	268.5	375.90	--	--	268.5	375.90
Service time	-	-	3.75	150.00	--	--	3.75	150.00
Core Drilling, Mobil.	-	-	½	500.00	--	--	0.5	500.00
Coring-NX 0-500	-	-	175	700.00	--	--	175	700.00
500-1000	281	1,643.85	781	4,568.85	281	1,643.85	781	4,568.85
1000-1500	500	3,175.00	1000	6,350.00	500	3,175.00	1,000	6,350.00
1500-2000	481	3,318.90	981	6,768.90	481	3,318.90	981	6,768.90
2000-2500	116	870.00	521	3,907.50	116	870.00	521	3,907.50
Set-up/casing time	24	468.00	93	1,813.50	24	468.00	93	1,813.50
Reaming	-	-	51	1,147.50	--	--	51	1,147.50
Reaming, bits	-	-	526	526.00	--	--	526	526.00
Survey (standby) time	-	-	10	187.50	--	--	10	187.50
Excess bits	577	77.82	877	272.82	98 1/	63.70	398	258.70
Mud	14	31.50	59.5	281.75	14	31.50	59.5	281.75
Category (2)								
Geologist-Supervisor	1	1,400.00	3.25	4,550.00	1	1,400.00	3.25	4,550.00
Sampler-Assistant	1	225.16	3	524.27	1	220.16 2/	2.25	519.27
Category (3)								
Core boxes (1)	153	191.25	375	468.75	153	191.25	375	468.75
Sample bags (1)	26	13.00	37	18.50	26 3/	13.00	37	18.50
Category (7)								
Office Expense	1	150.08	3	423.12	1	146.86 4/	3	419.90
Assays CaF_2 (wet)	27	108.00	38	152.00	27	108.00	38	152.00
$BaSO_4$ (wet)	27	81.00	38	114.00	27	81.00	38	114.00
						11,931.22		38,697.52
Stage I totals (allowable at 50% of cost)								73,385.59
TOTALS		$11,953.56		$38,719.86		$11,931.22		$ 112,083.11

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 11/20/73 *Payee Hicks Dome Account

Joseph A. Porter

Per [signature] Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Sirkano Chief, OME ~~Field Officer~~ 12/10/73 Date

(63) 14X0004

Approved for: $ 4,175.92 (SUBJECT TO AUDIT)

Signature BM7

20 DEC 1973 Date 04785A Vou. No.

(SEE OTHER SIDE)

FOR OPERATOR'S USE

REMARKS

(1) Items shown on previously submitted invoices and not fully charged.

FOR GOVERNMENT USE

REMARKS

1/ Claimed - $77.82
Allow 98 ft. @ 65¢ 63.70
Disallow $14.12

Driller charged in excess of 85¢/ft. for only 98 ft.

2/ Claimed - $225.16
Allow 220.16
Disallow 5.00

Arithmetical error on invoice for Mrs. Thornberry.

3/ Invoice for sample bags with voucher for July 1973.

4/ Claimed - $150.08
Allow 146.86
Disallow 3.22

Arithmetical error on telephone expenses and on invoice for Mrs. Thornberry's wages, Aug. 16, through 31, 1973.

Total Disallowance $22.34

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

OPERATOR'S MONTHLY REPORT

STAGE II

August, 1973

During the month OME-5 was completed and OME-6 was started and advanced from 719' to 1981'. No particular problems were encountered.

Assay data were incomplete at the end of August. A report summarizing all the assays for OME-5 will be submitted with the September report.

Respectfully submitted,

Joseph A. Porter

04785A

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: **Hicks Dome Account**
c/o Gilbert Kerlin, Esq.
Shearman & Sterling
53 Wall Street
New York, N. Y. 10005

Amount Claimed:	Differences (Explained Below)	Amount Approved
$ 11,953.56	**$ 22.34**	**$ 11,931.22** **4,175.92 (Govt Part 53%)**
Bu. Voucher No.	Payee's Invoice No.	Period
	Docket #6873 Contract #2306	**August 1973**

EXPLANATION

Category (1)	**Independent Contracts**		
	Excess bit costs		
	Claimed	77.82	
	Allowed 98 ft @ 65¢/ft	63.70	14.12
	Driller charged in excess of 85¢/ft for only 98ft.		
Category (2)	**Personal Services**		
	Assistant geologist-sampler		
	Claimed	225.16	
	Allowed	220.16	5.00
	Arithmetical error on invoice for Mrs Thornberry		
Category (7)	**Miscellaneous**		
	Office and accounting expense		
	Claimed	150.08	
	Allowed	146.86	3.22
	Arithmetical error on telephone expenses and on invoice for Mrs Thornberry's wages Aug16 through Aug 31, 1973		22.34

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

bmf

Branch of Budget and Finance

SPRAGUE & HENWOOD, Inc.
Executive Offices and Plant
221 West Olive St., Scranton, Pennsylvania
Area Code 717 344-8506
SINCE 1883

October 15, 1973

Mr. John L. Carroll
41st Floor
345 Park Avenue
New York, New York - 10022

Gentlemen:

RE: Exploration Core Drilling
Hicks Dome Account
Hicks Dome, Illinois

Thank you for inviting our proposal for drilling a minimum of two NX W/L core holes, to depths of approximately 2,500' each, on referenced property. Our proposal is as follows:

ITEM 1 - Mobilization & demobilization - LUMP SUM $ 800.00

2 - Core drilling

	NX W/L	BX W/L
500 - 1000'	$4.95/l.f.	$4.65/l.f.
1000 - 1500'	$5.50/l.f.	$5.20/l.f.
1500 - 2000'	$6.25/l.f.	$5.95/l.f.
2000 - 2500'	$6.95/l.f.	$6.65/l.f.

3 - Reaming to advance casing — 50% of NX prices above

4 - Moving between sites, setting casing and cleaning out holes previously drilled by others — $ 25.00/hour

5 - Standby time at request of, or delays caused by customer — $ 19.00/hour

6 - Placing or drilling cement — $ 25.00/hour plus materials

7 - Casing not recovered from holes — Current List Price

8 - Cardboard core boxes — $ 1.20/each

Hourly rate under Item "4" will apply to all hours worked in setting casing in previously-drilled holes, and cleaning holes of cave or debris. Rate under Item "4" will also apply to hours worked dismantling, moving equipment between hole locations and setting up.

Sprague & Henwood, Inc. will provide one truck-mounted Model 142-C, to operate two shifts per day, five (5) days per week. Normal shifts will be 9-hour duration.

It is our understanding that water will be available within 1000' of drill sites, and that holes will have been previously drilled to depths of approximately 700', and cased to that depth with 6" O.D. casing.

Payments for work performed will be made monthly, within ten (10) days of date of our invoices covering work accomplished during each calendar month.

We are prepared to begin work within seven (7) calendar days after receipt of signed acceptance copy of this proposal.

Very truly yours,

SPRAGUE & HENWOOD, INC.

B. B. Williams
Asst. Vice President

HICKS DOME ACCOUNT

ACCEPTED: _____
Partner

_____
Date

CC: Mr. Joseph Porter
P. O. Box 447
Rosiclair, Illinois - 62982

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage II

OPERATOR'S MONTHLY VOUCHER For Month of August 1973

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.

Address Shearman and Sterling, 53 Wall St. New York, NY 10005

Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $ 56,480
Gov't. Participation % 35 $ 19,768

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, Hrs.	16	200.00	48	600.00	16	200.00	48	600.00
Rotary Drill, Mobil.	-	-	½	175.00	--	--	0.5	175.00
Drilling, feet	-	-	1036	4,144.00	--	--	1,036	4,144.00
5½" casing	-	-	268.5	375.90	--	--	268.5	375.90
Service time	-	-	3.75	150.00	--	--	3.75	150.00
Core Drilling, Mobil.	-	-	½	500.00	--	--	0.5	500.00
Coring-NX 0-500	-	-	175	700.00	--	--	175	700.00
500-1000	281	1,643.85	781	4,568.85	281	1,643.85	781	4,568.85
1000-1500	500	3,175.00	1000	6,350.00	500	3,175.00	1,000	6,350.00
1500-2000	481	3,318.90	981	6,768.90	481	3,318.90	981	6,768.90
2000-2500	116	870.00	521	3,907.50	116	870.00	521	3,907.50
Set-up/casing time	24	468.00	93	1,813.50	24	468.00	93	1,813.50
Reaming	-	-	51	1,147.50	--	--	51	1,147.50
Reaming, bits	-	-	526	526.00	--	--	526	526.00
Survey (standby) time	-	-	10	187.50	--	--	10	187.50
Excess bits	577	77.82	877	272.82	98 1/	63.70	398	258.70
Mud	14	31.50	59.5	281.75	14	31.50	59.5	281.75
Category (2)								
Geologist-Supervisor	1	1,400.00	3.25	4,550.00	1	1,400.00	3.25	4,550.00
Sampler-Assistant	1	225.16	3	524.27	1	220.16 2/	2.25	519.27
Category (3)								
Core boxes (1)	153	191.25	375	468.75	153	191.25	375	468.75
Sample bags (1)	26	13.00	37	18.50	26 3/	13.00	37	18.50
Category (7)								
Office Expense	1	150.08	3	423.12	1	146.86 4/	3	419.90
Assays CaF_2 (wet)	27	108.00	38	152.00	27	108.00	38	152.00
$BaSO_4$ (wet)	27	81.00	38	114.00	27	81.00	38	114.00
						11,931.22		38,697.52
Stage I totals (allowable at 50% of cost)								73,385.59
TOTALS		$11,953.56		$38,719.86		$11,931.22		$ 112,083.11

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 11/20/73 *Payee Hicks Dome Account
Joseph A. Porter

Per [signature] Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field-examination and audit.

Signature Harold Kishimoto Chief, OME ~~Field Officer~~ Date 12/10/73

(63) 14X0804

Approved for: $ 4,175.92 (SUBJECT TO AUDIT)

Signature BM7

Date 20 DEC 1973 Vou. No. 04785A

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS
(1) Items shown on previously submitted invoices and not fully charged.	1/ Claimed - $77.82 Allow 98 ft. @ 65¢ 63.70 Disallow $14.12 Driller charged in excess of 85¢/ft. for only 98 ft. 2/ Claimed - $225.16 Allow 220.16 Disallow 5.00 Arithmetical error on invoice for Mrs. Thornberry. 3/ Invoice for sample bags with voucher for July 1973. 4/ Claimed - $150.08 Allow 146.86 Disallow 3.22 Arithmetical error on telephone expenses and on invoice for Mrs. Thornberry's wages, Aug. 16, through 31, 1973. Total Disallowance $22.34

RECEIVED
U.S. GEOLOGICAL SURVEY
DEC 13 1976
BUDGET & FINANCE

OPERATOR'S MONTHLY REPORT

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FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

OPERATOR'S MONTHLY REPORT

STAGE II

August, 1973

During the month OME-5 was completed and OME-6 was started and advanced from 719' to 1981'. No particular problems were encountered.

Assay data were incomplete at the end of August. A report summarizing all the assays for OME-5 will be submitted with the September report.

Respectfully submitted,

Joseph A. Porter

FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage II

OPERATOR'S MONTHLY VOUCHER For Month of August 1973

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.

Address Shearman and Sterling, 53 Wall St. New York, NY 10005

Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $56,480
Gov't. Participation % 35 $ 19,768

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, Hrs.	16	200.00	48	600.00	16	200.00	48	600.00
Rotary Drill, Mobil.	-	-	½	175.00	--	--	0.5	175.00
Drilling, feet	-	-	1036	4,144.00	--	--	1,036	4,144.00
5½" casing	-	-	268.5	375.90	--	--	268.5	375.90
Service time	-	-	3.75	150.00	--	--	3.75	150.00
Core Drilling, Mobil.	-	-	½	500.00	--	--	0.5	500.00
Coring-NX 0-500	-	-	175	700.00	--	--	175	700.00
500-1000	281	1,643.85	781	4,568.85	281	1,643.85	781	4,568.85
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2000-2500	116	870.00	521	3,907.50	116	870.00	521	3,907.50
Set-up/casing time	24	468.00	93	1,813.50	24	468.00	93	1,813.50
Reaming	-	-	51	1,147.50	--	--	51	1,147.50
Reaming, bits	-	-	526	526.00	--	--	526	526.00
Survey (standby) time	-	-	10	187.50	--	--	10	187.50
Excess bits	577	77.82	877	272.82	98 1/	63.70	398	258.70
Mud	14	31.50	59.5	281.75	14	31.50	59.5	281.75
Category (2)								
Geologist-Supervisor	1	1,400.00	3.25	4,550.00	1	1,400.00	3.25	4,550.00
Sampler-Assistant	1	225.16	3	524.27	1	220.16 2/	2.25	519.27
Category (3)								
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Sample bags (1)	26	13.00	37	18.50	26 3/	13.00	37	18.50
Category (7)								
Office Expense	1	150.08	3	423.12	1	146.86 4/	3	419.90
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						11,931.22		38,697.52
Stage I totals (allowable at 50% of cost)								73,385.59
TOTALS		$ 11,953.56		$ 38,719.86		$ 11,931.22		$ 112,083.11

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 11/20/73 *Payee Hicks Dome Account

Joseph A. Porter

Per [signature] Title Geologist

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A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer _____ Date

Approved for: $ _____ (SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS
(1) Items shown on previously submitted invoices and not fully charged.	1/ Claimed - $77.82 Allow 98 ft. @ 65¢ 63.70 Disallow $14.12 Driller charged in excess of 85¢/ft. for only 98 ft. 2/ Claimed - $225.16 Allow 220.16 Disallow 5.00 Arithmetical error on invoice for Mrs. Thornberry. 3/ Invoice for sample bags with voucher for July 1973. 4/ Claimed - $150.08 Allow 146.86 Disallow 3.22 Arithmetical error on telephone expenses and on invoice for Mrs. Thornberry's wages, Aug. 16, through 31, 1973. Total Disallowance $22.34

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The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

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Box 447

Phone (618) 285-6685

Joseph A. Porter
Geologist
Rosiclare, Illinois
62982

November 20, 1973

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, Virginia 22092

Re: OME-6873 (Fluorspar, et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed are copies of the Monthly Voucher and Operator's Monthly Report for Stage II for August, 1973. I would appreciate it if you would let me know of any errors or disallowances.

Sincerely yours,

Joseph A. Porter

JAP:kt
Encl.

MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage II

OPERATOR'S MONTHLY VOUCHER For Month of August 1973

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.

Address Shearman and Sterling, 53 Wall St. New York, NY 10005

Docket No. OME- 6873

Contract 14-08-0001 2306

Contract Amount $56,480

Gov't. Participation % 35 $ 19,768

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Drilling, feet	-	-	1036	4,144.00	—	—	1036	4,144.00
5½" casing	-	-	268.5	375.90	—	—	268.5	375.90
Service time	-	-	3.75	150.00	—	—	3.75	150.00
Core Drilling, Mobil.	-	-	½	500.00	—	—	0.5	500.00
Coring-NX 0-500	-	-	175	700.00	—	—	175	700.00
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Set-up/casing time	24	468.00	93	1,813.50	24	468.00	93	1,813.50
Reaming	-	-	51	1,147.50	—	—	51	1,147.50
Reaming, bits	-	-	526	526.00	—	—	526	526.00
Survey (standby) time	-	-	10	187.50	—	—	10	187.50
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Date 11/20/73 *Payee Hicks Dome Account

Joseph A. Porter

Per [signature] Title Geologist

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(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer _____ Date

Approved for: $ _____ (SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
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Explanation

Category (1) Development contracts

Excess bit costs

Claimed	77.82	
Allowed – 98 ft at 0.65/ft.	63.70	14.12

Category (2) Personal Services

Sampler – Assistant

Claimed	225.16	
Allowed	220.16	5.00

Category (7) Miscellaneous

Office expense

Claimed	150.08	
Allowed	146.86	3.22
		22.34

MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

OFFICIAL COPY
RECEIVED NOV 3 1973 O. M. E.
INITIALS

Stage II

OPERATOR'S MONTHLY VOUCHER

For Month of July, 1973

Hicks Dome Account

Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $ 56,480
Gov't. Participation % 35 $ 19,768

Operator's Name c/o Gilbert Kerlin, Esq.
Address Shearman and Sterling, 53 Wall St.
New York, NY 10005

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Rotary Drill, Mobil.	-	-	½	175.00	--	--	0.5	175.00
Drilling, feet	-	-	1036	4,144.00	--	--	1036	4,144.00
5½" casing, feet	-	-	2685	375.90	--	--	268.5	375.90
Service time, hrs	-	-	3.75	150.00	--	--	3.75	150.00
Core Drilling, Mobil.	-	-	½	500.00	--	--	0.5	500.00
Coring NX 0-500'	-	-	175	700.00	--	--	175	700.00
500-1000'	-	-	500	2,925.00	--	--	500	2,925.00
1000-1500'	195	1,238.25	500	3,175.00	195	1,238.25	500	3,175.00
1500-2000'	500	3,450.00	500	3,450.00	500	3,450.00	500	3,450.00
2000-2500'	405	3,037.50	405	3,037.50	405	3,037.50	405	3,037.50
Set up/casing, hrs	-	-	69	1,345.50	--	--	69	1,345.50
Reaming Time	-	-	51	1,147.50	--	--	51	1,147.50
1. Cost, reaming, bits	4	689.59	4	689.59	526 1/	526.00	526	526.00
2. Survey (Standby) Time	10	187.50	10	187.50	10	187.50	10	187.50
3. Wedging Hole, hrs	76	1,710.00	76	1,710.00	-- 2/	--	--	--
Wedge left in hole	1	208.00	1	208.00	-- 3/	--	--	--
1 Excess bit costs, bits	13	1,581.20	13	1,581.20	300 4/	195.00	300	195.00
Mud Used	-	-	45.5	250.25	--	--	45.5	250.25
Category (2)								
Geologist-Supervisor	1	1,400.00	2.25	3,150.00	1	1,400.00	2.25	3,150.00
4. Sampler-Assistant	1	258.14	2	299.11	1	258.14	1.25	299.11
Category (3)								
Core Boxes 5	116	145.00	222	277.50	116	145.00	222	277.50
Sample Bags	11	5.50	11	5.50	11	5.50	11	5.50
Category (7)								
Office Expense 6	1	147.97	2	273.91	1	147.10 5/	2	273.04
Assays CaF_2 wet 7	11	44.00	11	44.00	11	44.00	11	44.00
Assays $BaSO_4$ wet 7	11	33.00	11	33.00	11	33.00	11	33.00
		Stage II (allowable @ 35%)				10,666.99		26,766.30
Stage I totals (allowable at 50% of cost)				$73,385.59		--		73,385.59
TOTALS		$14,135.65		$30,234.96		$10,666.99		$100,151.89

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug, 15, 1973 *Payee Hicks Dome Account
Joseph A. Porter

Per [signature] Title Geologist

"When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Hickman Chief, ~~OME Field Officer~~ Date 10/30/73

(63) 14X0804

Approved for: $ 3,733.45
(SUBJECT TO AUDIT)

Signature BM7

Date 7 NOV 1973 Vou. No. 04601A

301071

RECEIVED
U.S. GEOLOGICAL SURVEY
OCT 32 2 58 PM '73
BUDGET & FINANCE

FOR OPERATOR'S USE

REMARKS

See attached sheet.

FOR GOVERNMENT USE

REMARKS

SEE ATTACHED SHEET

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

1. Casing shoes used to ream NX casing. Excess bit costs are for OME-5 down to 526'.

2. Survey time charged here at $18.75 per hour, charged $19.50 by Boyles. Also charged $200.72 for instrument rental. Request that amount be allowed as 10.8 hours additional survey time.

3. Hourly charge for setting wedge and wedge left in hole while redrilling the ore zone to acquire large sample for metallurgical testing.

4. Consists of $119.02, total of Stacey time and $139.12, one-half of Thornberry time.

5. Receipt for core boxes in inventory submitted previous month, additional boxes shown on attached Boyles Invoice.

6. Office expense one-half of Thornberry time and $8.85 telephone.

7. Procedures for McDonald assays have been charged. In order to keep the lab open we have to pay McDonald $200.00 monthly and buy the chemicals for assay work. In addition to the current assays we will also have him doing assays on other materials and possibly some preliminary metallurgical work. Will cite current assays of drill cores at $4.00 each for CaF_2 and $3.00 each for $BaSO_4$.

FOR GOVERNMENT USE

REMARKS

1/ Claimed $ 689.59
Disallow 163.59
Allow $ 526.00

Contract allows reaming at $1.00/ft. Operator's footnote No. 1 reports reaming down to 526 ft., therefore 526 x $1 = $526 allowable.

2/ Claimed $1,710.00
Disallow 1,710.00
Allow 0

Wedging procedure was to collect material for metallurgical testing rather than exploration.
per Gail (GME)
10/31/73

3/ Claimed $ 208.00
Disallow 208.00
Allow 0

Same reason as for 2/ above.

4/ Claimed $1,581.20
Disallow 1,386.20
Allow $ 195.00

Contract allows bit costs in excess of $0.85/ft. at $0.65/ft.
300 feet invoiced by contractor @ various prices/ft. exceeding $0.85/ft.
Therefore, 300' @ $0.65/ft. =$195.00 allowable.

5/ Claimed $ 147.97
Disallow 0.87
Allow $ 147.10

Arithmetical error of 87¢. $\frac{\$163.01 + \$131.19}{2} = \$147.10$

Telephone charge of $8.85 mentioned by Operator in footnote No. 6 was not included in claim. May be claimed.

OPERATOR'S MONTHLY REPORT

STAGE II

July 1973

During July Hole OME-5 was drilled from 1305 feet to 2405 feet, its total depth.

This hole has provided the best intersection to date. Significantly mineralized breccia was encountered essentially from 2025 feet to 2243 feet. The bottom 74.8 feet can be considered ore. Mineralization is similar in character to all the other purple breccia zones encountered.

Low grade purple breccia was encountered between 2025 feet and 2055 feet. This zone averaged about 7% CaF_2. Mineralization was significantly better from 2055 feet to 2168.2 feet. This zone, 113.2 feet thick, averaged 10.89% CaF_2 (McDonald). By selectively leaving out zones less than 10% CaF_2 the remaining 82% of the zone will average 11.67% CaF_2.

The zone from 2168.2 feet to 2243 feet represents the best mineralization encountered to date. The zone consists of 74.8 feet averaging 22.49% CaF_2 (Average of McDonald and Skyline) and 8.99% $BaSO_4$ (McDonald). Mineralization is similar to the other purple breccia zones except that the matrix is more thoroughly replaced by purple fluorite and large (> 1/8") crystals of clear green and yellow barite are more abundant. The zone also contained visible sphalerite and galena.

Results, certificates and summaries of the other assaying done will follow with the next report.

Attached to this report is a summary log of OME-5, a detailed log of the breccia zone, an assay graph of the better mineralization and a section comparing the stratigraphic position of the zone with those encountered in OME-2 and OME-3.

Respectfully submitted,

Joseph A. Porter

DIAMOND CORE DRILLING
ROTARY DRILLING
GROUT
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE cable: BOYLESBROS
LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: July 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 3
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
Post Office Box 447
Rosiclare, Illinois 62982

Hole No.	From	To	Footage	Rate	Total
FSB-1	1305	1500	195	$ 6.35	$ 1,238.25
OME-5	1500	2000	500	6.90	3,450.00
	2000	2405	405	7.50	3,037.50
	Survey Instrument Rental				174.54
	plus 15%				26.18
	Surveying		10 hrs.	19.50/hr	195.00
	Wedging		76 hrs.	22.50/hr	1,710.00
	Wedge				208.00

CERTIFIED TRUE COPY

CORE DRILLING
DRILLING
ING
ATION TESTING
AMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
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BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
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INVOICE DATE: July 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 3
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
Post Office Box 447
Rosicalre, Illinois 62982

Hole No.	From	To	Footage	Rate	Total
Bits used for coring:					
Cutout #A 80643					
1 - NXC Bit #3S-13617			53 ft.	$ 3.40/ft.	$ 180.40 ok
Less			53 ft.	.85/ft	- 45.05 CR
					$ 135.35
1 - NXC Bit #3S-13610			33 ft.	7.06	233.10 ok
Less			33 ft.	.85	- 28.05 CR
					$ 205.05
1 - NXC3 Bit #3S-13614			37 ft.	6.28	232.42 ok
Less				.85	31.45 CR.
					$ 200.97

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CORE DRILLING
DRILLING
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UNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321 Page 3

BRANCH OFFICES
PHOENIX, ARIZONA
BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

INVOICE DATE: July 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 3
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph porter
Post Office Box 447
Rosiclare, Illinois 62982

Hole No.	From	To	Footage	Rate	Total
Cutout #11776					
4 NXC3	Core bits Serial No. 2S-46360, 3S-13611, 3S-13612, 3S-13613				
	Total Footage		71 ft.	$ 6.51/ft	
	Less salvage and scrap			-	$ 462.23 ok
	Less		71 ft.	.85/ft	- 60.35
					$ 401.88
1 NXC3	Core bit Serial No. 3S-13609				
	Total Footage		7 ft.	22.41/ft	156.87 ok
	Less		7 ft.	.85/ft	- 5.95
					$ 150.92

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...TION TESTING
...ND DRILLING EQUIPMENT
...LING ADDITIVES

Boyles Bros. DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE cable: BOYLESBROS
LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: JULY 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 3
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
Post Office Box 447
Rosiclare, Illinois 62982

Hole No.	From	To	Footage	Rate	Total
Cutout	#11827				
5 NXC3	Core Bits				
Serial	No. 3S-18474, 3S-13615, 3S13616, 3S-13618, 3S-13619				
	Total Footage		99 ft.	$ 5.77/ft	
	Less Salvage and scrap				$ 571.18 OK
	Less		99 ft.	.85/ft	84.15
					$ 487.03
Bits used for reaming					
4 NX Casing Shoes	Serial No. 3S-14887, 3S-14891, 3S-14392, 3S-14889				

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9

CORE DRILLING
DRILLING
TING
NDATION TESTING
AMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
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INVOICE DATE: July 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 3
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

Page 5
HICKS DOME ACCOUNT

Hole No.	From	To	Footage	Rate	Total
Cont. from page 4					
	Total bit cost				$ 689.59
	Core Boxes		200	1.50/ea	300.00
			July Invoice Total		$12,610.26

CERTIFIED TRUE COPY

CHRISTENSEN DIAMOND PRODUCTS COMPANY

P.O. BOX 38[illegible] • [illegible] SOUTH SECOND WEST • SALT LAKE CITY, UTAH 84110 • CABLE ADDRESS CHRISDIACO • PHONE 801 487 5371

INVOICE NUMBER	3-08113		
DATE	07/12/73	TAXABLE	NO
CDP ORDER NUMBER	19476	TAX EXEMPTION NUMBER	13677
CUSTOMER'S REFERENCE NUMBER	33-3	DATE SHIPPED	
CUSTOMER ACCOUNT NUMBER	020037 001	SHIPPED VIA	

SOLD TO
ATTN ROSELLA MORGAN
BOYLES BROS DRILLING CO
CONTRACT ACCOUNT
P O BOX 58
SALT LAKE CITY
UTAH 84110

SHIPPED TO
HICKS DOME ROSICLARE 207
F R 19476

	QUANTITY ORDERED	QUANTITY SHIPPED	PART NUMBER		DESCRIPTION	UNIT PRICE DOLLARS		TOTAL AMOUNT DOLLARS
			15.46		TYPE 52421 SERIAL 35-14887	9.50		146.87
			3.64-		LESS SALVAGE	9.50		34.58-
			3.24-		LESS SCRAP	1.50		4.86-
					01 @ $149.43			
2	1	1			6X CASING SHOE	42.00		42.00
					TYPE 52421			
			15.46		SERIAL 35-14891	9.50		146.87
			2.03-		LESS SALVAGE	9.50		19.29-
			3.39-		LESS SCRAP	1.50		5.09-
					01 @ $164.50			
3	1	1			6X CASING SHOE	42.00		42.00
					TYPE 52421			
			15.84		SERIAL 35-14392	9.50		150.48
			.16-		LESS SALVAGE	9.50		1.52-
			2.69-		LESS SCRAP	1.50		4.04-
					01 @ $186.92			
4	1	1			6X CASING SHOE	42.00		42.00
					TYPE 52421			
			15.46		SERIAL 35-14889	9.50		146.87
					LESS SALVAGE	9.50		.00
			.08-		LESS SCRAP	1.50		.12-
					01 @ $188.75			
						PLEASE PAY THIS TOTAL....		689.59

CERTIFIED TRUE COPY

RECD JUL 23 1973

CONTINUED ON PAGE 2 C=CREDIT

TERMS NET 30 DAYS

INVOICE

EASTMAN OIL WELL SURVEY COMPANY

CONTROLLED DIRECTIONAL DRILLING — OIL WELL SURVEY SERVICE — BITS AND REAMERS

HOUSTON, TEXAS ODESSA, TEXAS LONG BEACH, CALIF.

SYMBOL OF SERVICE

ALL ACCOUNTS PAYABLE IN HOUSTON, TEXAS

MAIL PAYMENTS TO P. O. BOX 14609 HOUSTON, TEXAS 77021

NO. D 12831

CHARGE TO: Boylan Brothers Drilling Company
P.O. Box 1158
Murfreesboro, Tennessee 37130

We hereby certify that the rates invoiced herein do not exceed the maximum levels established in accordance with Executive Order 11615 dated August 15, 1971, as superseded by Executive Order 11627 dated October 27, 1971

DATE 7-28-73

YOUR ORDER NO.

TERMS: NET 15TH PROX.

1876	1-010	SERVICE RENDERED	TICKET NO.	TOTAL
			BA 19134	
		Type "R" Single Shot rental from 7-16-73 thru 7-21-73:		
		Body No. 3682 — 5 days @ minimum		$100.00
		1 day @ $10.00		10.00
		Loss in hole coverage: 6 days @ $1.00		6.00
		2 - Spacer Bars: 5 days @ minimum		10.00
		1 day @ $1.00		1.00
		Air Express #36-33-37		25.25
		United Airlines #1673-5655		18.66
				$170.91
		3% Colorado State Tax on $121.00		3.63
				$174.54

EASTERN
PAID 8/1/73
CK. #
CHARGE
CHARGE
CHARGE

CERTIFIED TRUE COPY

Schenfer Mining

FORM D-203

TRAIN CABOT INC 000038077

EARNINGS	HOURS	AMOUNT	DEDUCTIONS			
REGULAR		75000	FICA TAX	4388	FED. TAX	11267
			STATE TX	1458	GRP INS	1057
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			18170

YEAR TO DATE	
GROSS PAY	935000
F.I.C.A.	54700
FED. TAX	136871
STATE TAX	17954

FOR PERIOD ENDING 07-15-73

NET PAY 568.30

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

5755
1.5MM 2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

TRAIN CABOT INC 000085694

EARNINGS	HOURS	AMOUNT	DEDUCTIONS			
REGULAR		75000	FICA TAX	4388	FED. TAX	11267
			STATE TX	1458	GRP INS	1057
TOTAL EARNINGS		75000	TOTAL DEDUCTIONS			18170

YEAR TO DATE	
GROSS PAY	1010000
F.I.C.A.	59088
FED. TAX	148138
STATE TAX	19412

FOR PERIOD ENDING 07-31-73

NET PAY 568.30

CERTIFIED TRUE COPY

JOSEPH A PORTER 501 1 020 00044 NON-NEGOTIABLE

.5755
1.5MM 2-73

STATEMENT OF EARNINGS AND DEDUCTIONS

July 30, 1973

Mr. Roy A. Stacey
Elizabethtown
Illinois

Dear Roy:

Enclosed find a check in the amount of $105.92 representing wages earned for the months of June and July 1973. Amount due was calculated as follows:

50 hrs. x	$2.25	=	$ 112.50
State Tax	$0.00		
Income Tax	0.00		
Social S.	6.58		- 6.58
			$ 105.92

Sincerely,

CERTIFIED TRUE COPY

Joseph A. Porter

Change ONE 112.50
S.S. 6.58
Total $119.08

JAP:kt
Encl. 1

RECORD OF TIME WORKED

Roy A Stacey 2 — Name, S. S. No., Dependents

June - July — Month

Day - Date	Start Work	Stop Work	Hrs. Worked	Overtime	Remarks
6-2-73			4 hours		Cover to Circulare
7-10-73			8 hrs		stacked cores
7-13-73			8 hrs		cut weeds
7-16-73			8 hrs		worked in Storeroom
7-17-73			8 hrs		" " "
7-18-73			8 hrs		" " "
7-19-73			4 hrs		" " "
7-21-73			2 hrs		capping drill holes
		TOTAL	50 hrs		

June 20, 1973

To: Joseph Porter

For: Sample Bags

65 bags @ $.50 each = $32.50

Ruth McClendon

CERTIFIED TRUE COPY

[illegible]

July 16, 1973

Mrs. Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $123.06 representing wages for July 1 thru 16, 1973.

71 hrs. x $2.00 =		$ 142.00
ST	$ 1.63	
SS	8.31	
IT	9.00	18.94
		$ 123.06

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

Charge HUD-OME - 62 hrs
$ 124.00
SS. 7.19
$ 131.19

JAP:kt
Encl. 1

1/2 office
1/2 Sampler

July 31, 1973

Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $132.21 representing wages paid for July 17 thru 31, 1973. Amount due was calculated as follows:

77 hrs. x $2.00 =			$ 154.00
S.T.	$ 1.88		
I.T.	10.90		
S.S.	9.01		- 21.79
			$ 132.21

Sincerely,

Joseph A. Porter

CERTIFIED TRUE COPY

Joseph C. Porter

Clay OME - 154.00
S.S. 9.01
$ 163.01

JAP:kt
Encl. 1

1/2 office
1/2 Sample

Telephone Expenses

OME-HDA July 1973

Date	Place	Person	Amount
6-20	Princeton, KY	Trace	$ .40
6-25	Washington, DC	Kirkemo	4.57
6-25	Carmi, IL	DiKor	.40
6-25	Carmi, IL	DiKor	.50
7-6	Murfreesboro, TN	Boyles	2.18
		Total	$ 8.05
		Tax	.80
		TOTAL	$ 8.85

CERTIFIED TRUE COPY

[signature]

STATEMENT

To: Joseph A. Porter
P.O. Box 447
Rosiclare, IL 62982

DATE 8/3/73

From: V.C. McDonald
P.O. Box 592
Rosiclare, IL 62982

For assays done during July, 1973.

Please detach and return upper portion with your remittance. $ 77.00

DATE	CHARGES AND CREDITS	BALANCE
	FSB 024-034	
	11 CaF_2 assays @ $4.00 each	44.00
	11 $BaSO_4$ assays @ $3.00 each	33.00
	CERTIFIED TRUE COPY	
	Respectfully submitted,	
	V.C. McDonald	
	V.C. McDonald	
	Chemist	
		$ 77.00

GrayLine "SNAP-A-WAY" FORM 44-501 2-PARTS

Your Check Is Your Receipt

WILSON JONES COMPANY © 1961 PRINTED IN U.S.A.

SUMMARY LOG

OME-5 (FSB-1)

FORMATION	DESCRIPTION	THICK.	DEPTH
Overburden	Mixed gray, light gray and tan chert, sometimes sandy in a red clay matrix, all very soft	120	120
Clear Creek - Backbone ls.	Limestone, fine grained, gray and light gray, unable to distinguish Backbone, 4' cavity at bottom, some calcite crystals in cuttings, drilled rotary to this point	205	325
Upper Grassy Knob	Limestone, mostly fine grained, light tan, light gray and dark gray, few zones with argillaceous streaks, fairly cherty throughout, some zones rather argillaceous	150	475
Lower Grassy Knob	Limestone and chert, very fine grained, argillaceous, abundant argillaceous streaks, abundant chert as light gray, dark gray and tan irregular nodules and stringers, little disseminated sphalerite in places.	159	634
Bailey ls.	Very fine grained, gray to dark gray, very silty and siliceous, little chert	193	827
SILURIAN Moccasin Sprs. ls.	Fine and extra fine grained, gray and light gray, fairly abundant streaks of brick red and pale green	117	944
St. Clair - Sexton Creek ls.	Very fine grained, rather abundant pink crystals and crinoid stems throughout, generally pyritic, particularly in more red portions, all rather dense	65	1009
Edgewood ls.	Very fine grained, gray, fairly abundant interlaminated argillaceous streaks throughout, some scattered dark gray chert throughout, bottom part rather silty	90	1099

FORMATION	DESCRIPTION	THICK.	DEPTH
ORDOVICIAN Maquoketa sh.	Dark gray, hard abundant interbedded streaks of limestone, pyritic throughout, particularly in darker portions, fairly abundant calc fluorite veinlets throughout, little mixed breccia, sandy toward bottom	224	1323
Kimmswick ls.	Gray to light gray, fine and coarsely crystalline, stylolitic, appears to be rather pure throughout	74	1397
Decorah-Plattin	Limestone, mostly very fine grained, dark brownish gray, rather pure, distinct interlaminated argillaceous streaks throughout, few zones somewhat cherty, few zones are light gray, finely crystalline, rather pure limestone, two small barite-fluorite veins from 1754-1756, estimated at 60% barite, 20% spar dipping at about a 45° angle to core, slightly fractured, some disseminated fluorite and fairly abundant pyrite toward bottom	478	1875
Coarse Breccia	Tightly interlocked fragments of brecciated limestone, principally Plattin, very little matrix material, mostly +1 inch fragments, little fluorite, pyrite, calc veinlet sometimes with purple spar in matrix material, occasional thin fine breccia dike, bottom part has more intermixed finer material and somewhat more matrix material, fluorite throughout in matrix estimated at 1%	90.5	1965.5
Breccia	Principally fine, little medium and coarse throughout, angular fragments in a fluoritic rock flour matrix, fair traces of galena and sphalerite throughout, fluorspar estimated at about 4%	59.5	2025

FORMATION	DESCRIPTION	THICK.	DEPTH
Breccia	Principally fine throughout, little mixed, coarse, and medium, considered generally to be low grade purple breccia, rock flour matrix fairly well replaced with purple fluorite, average approximately 7%, fair shows of galena and sphalerite throughout, pale and clear barite typical of purple breccias throughout	30	2055
Purple Breccia	Mostly fine, little medium and coarse in a fluoritic rock flour matrix, mineralization typical of purple breccias, fluorite more abundant than before, 113.2 feet averages 10.89 CaF_2.	113.2	2168.2
High-grade purple breccia	Purple breccia, fine, sub-rounded, sub-angular fragments in a rich purple fluoritic matrix, abundant clear pale coarse barite crystals throughout, fair disseminated zinc and lead throughout, entire zone averages 22.49% CaF_2 and approximately 10% barite	74.8	2243
Brecciated dolomite	Mixed, fine, medium and coarse brecciated gray dolomite, fairly numerous zones of fine low-grade purple breccia in isolated patches, brecciation generally rather coarse, some considered crackle breccia, little mixing of fragments apparent, purple fluorite common throughout in matrix material, occasional trace of chalcopyrite, pyrite fairly common	161	2404
	TOTAL DEPTH		

Sheet No. 16 Hole No. FSB-1

Depth Feet	Formation	No.	Width
1947-1965.5	Breccia, mixed, coarse, medium and fine, mostly coarse, consists principally of tightly interlocked coarse angular fragments of dolomite, very silty limestone and quartzitic sandstone, patches and streaks of fine and medium breccia, generally with somewhat more fluorite, quartzite fragments rather abundant, all seem to be somewhat argillaceous, particularly in matrix, few shaly fragments, bottom contact rather distinct, fluorite estimated at 1%.		
1965.5-1977	Breccia, principally fine with some mixed, medium, little coarse, consists principally of fairly tightly interlocked angular fragments in a rock flour, sometimes fluoritic matrix, fragments light gray, calcareous siltstone, dolomite and quartzitic sandstone and limestone, better mineralization in finer portions, fair disseminated sphalerite associated with richer fluorite patches, estimate spar at 2½%. # SB 009	SB 009 5.1 CaF_2, .88 $BaSO_4$ (4.21 CaF_2, 2.00 $BaSO_4$)	12'
1977-1985	Breccia, principally fine, little medium and coarse, tightly interlocked angular fragments of limestone, quartzite, dolomite, and siltstone, fair show of fluorite scattered throughout in matrix, generally with disseminated sphalerite, spar estimated at 3%, rock beginning to look like purple breccia, this unit would be considered gray rock flour breccia even though it still contains some coarse material.	SB 010 9.0 CaF_2, 1.5 $BaSO_4$ (7.06 CaF_2, 3.44 $BaSO_4$)	12'
1985-1992	Breccia, medium, little coarse, little fine, tightly interlocked angular fragments in a rock flour matrix, little purple fluorite throughout in matrix, traces of disseminated sphalerite, fluoritic portions generally rather pyritic, fragments of quartzite fairly common, estimate spar at 1½%.		

Sheet No. 17 Hole No. FSB-1

Depth Feet	Formation	No.	Width
1992-2001	Gray rock flour breccia, mostly fine, little medium, little coarse, matrix makes up about 30% of total, fairly well replaced in part with finely disseminated purple fluoritic and small blebs of crystalline fluorite, traces of sphalerite scattered throughout, generally in more fluoritic portions, little pyrite disseminated throughout, estimate spar at 4%.	SB 011 9.4 CaF_2, 1.4 $BaSO_4$ (7.91 CaF_2, 4.85 $BaSO_4$)	9'
2001-2013	Breccia, fine and medium, little coarse, generally tightly interlocked fragments in a rock flour matrix, matrix somewhat fluoritic and pyritic throughout, few traces of galena and sphalerite throughout, fair disseminated purple fluorite and few rich patches of purple fluorite, estimate spar at 3½%.	SB 012 6.6 CaF_2, 1.0 $BaSO_4$ (5.74 CaF_2, 3.24 $BaSO_4$)	12'
2013-2025	Breccia, mostly fine, little coarse and medium angular fragments in a gray rock flour matrix, matrix fairly well placed in part with fluorite, some places well replaced and possibly fairly rich, rich zones resemble purple breccia, entire unit may be considered low grade purple breccia, some fairly coarse disseminated amber sphalerite, traces of galena disseminated and in fractures, estimate spar at 5%.	SB 013 9.4 CaF_2, 1.9 $BaSO_4$ (8.93 CaF_2, 2.20 $BaSO_4$)	12'
2025-2035	Low grade, purple breccia, mostly very fine, little medium with fair disseminated fluorite scattered throughout a gray rock flour matrix, in some places matrix entirely replaced by fairly crystalline and clear fluorite, fair disseminated amber zinc throughout, estimate .2%, little pyrite, fluorite estimated at 7%, fairly abundant rounded quartzite fragments scattered throughout,	SB 014 9.9 CaF_2, 2.5 $BaSO_4$ (7.66 CaF_2, 1.70 $BaSO_4$)	10'
2035-2045	Breccia, all very fine fragments in a gray rock flour matrix, fairly fluoritic throughout with zones varying from about 2% to 7%, little disseminated sphalerite, fairly abundant quartzite, estimate fluorspar at 4½%, little barite as distinct clear to pale green crystals.	SB 015 6.2 CaF_2, 1.2 $BaSO_4$ (5.10 CaF_2, 1.20 $BaSO_4$)	10'

Sheet No. 18

Hole No. FSB-1

Depth Feet	Formation	No.	Width
045-2055	Breccia, essentially as before, contains few rather large quartzite fragments, particularly toward bottom, mineralized and fluoritic as before, few fairly rich patches with blebs of purple and clear fluorite, estimate the fluorite at 6%.	SB 016 9.4 CaF_2, 1.9 $BaSO_4$ (8.29 CaF_2, 1.54 $BaSO_4$)	10'
055-2064	Purple breccia, little gray, consists principally of very fine, angular fragments in a very fluoritic rock flour matrix, generally very clacareous, matrix fairly well replaced throughout, few rich patches with purple fluorite blebs and stringers in matrix, yellow sphalerite, galena, fair amounts of pale, clear barite, estimate fluorite at 8%.	SB 017 9.9 CaF_2, 2.2 $BaSO_4$ (10.22 CaF_2, 3.62 $BaSO_4$)	9'
064-2071	Purple breccia, principally as before, somewhat richer in disseminated streaks of crystalline and purple fluorite, fluorite estimated at 10%, somewhat more abundant yellow sphalerite, one speck of ruby sphalerite seen.	SB 018 10.5 CaF_2, 2.5 $BaSO_4$ (9.05 CaF_2, 3.40 $BaSO_4$)	7'
071-2080	Purple breccia, mostly very finely disseminated purple and clear fluorite principally in matrix, few blebs and stringers, traces of sphalerite and galena as before, fairly abundant clear barite, fluorite estimated at 9%. Note: Seems to be less clear barite crystals.	SB 019 8.2 CaF_2, 2.2 $BaSO_4$ (7.66 CaF_2, 4.00 $BaSO_4$)	9'
080-2085	Breccia, principally as before, somewhat more coarse fragments, fluorite estimated at 7%.	9.9 CaF_2, 2.5 $BaSO_4$ SB 020 (10.71 CaF_2, 1.94 $BaSO_4$)	5'
085-2095	Breccia, upper part as before, becomes more dolomitic and grades into what is described below, bottom part clearly more sandy and dolomitic, mineralizations as before, estimate fluorite at 7%, this zone considered to represent the transition from the clacareous limestone breccias to the dolomitic and sandy breccia.	SB 021 12.5 CaF_2, 2.0 $BaSO_4$ (12.51 CaF_2, .66 $BaSO_4$)	10'
95-2105	Breccia, purple and ash gray, dolomitic and rather sandy, rock flour breccia, fragments somewhat more coarse than before, clearly more dolomite, purple fluorite, principally in rock flour matrix, seems to contain more mineralization as above but seems to contain more pyrite as disseminated crystals and blebs, estimate fluorspar at 6%.	SB 022 13.0 CaF_2, 2.3 $BaSO_4$ (12.79 CaF_2, 2.86 $BaSO_4$)	10'

Sheet No. 19 Hole No. FSB-1

Depth Feet	Formation	No.	Width
2105-2115	Breccia, principally fine, dolomitic, brownish gray rock flour matrix with fairly abundant disseminated purple fluorite, fairly abundant quartzite fragments, fragments principally dolomitic, dark brownish gray dolomite and light gray dolomite, matrix rather pyritic throughout with disseminated sphalerite and galena, estimate fluorite at 6%, few traces of chalcopyrite.	SB 023 11.0 CaF_2, 2.1 $BaSO_4$ (10.63 CaF_2, 2.90 $BaSO_4$)	10'
2115-2125	Breccia, low grade purple breccia, breccia mostly fine, little medium and coarse angular fragments in a dolomitic rock flour matrix, fair disseminated fluorite throughout in matrix, all fairly pyritic and contains fine and few coarse blebs of pale green to clear barite, few traces of sphalerite and galena, estimate spar at 7%.	SB 036 10.5 CaF_2, 2.4 $BaSO_4$ (10.97 CaF_2, 3.16 $BaSO_4$)	10'
2125-2135	Breccia, low grade purple breccia, mostly fine, little medium and coarse in a gray rock flour, dolomitic matrix, matrix fluoritic throughout, fairly rich in few patches, disseminated pyrite scattered throughout, possible traces of chalcopyrite, few crystals of barite as above, estimate fluorite at 6%.	SB 037 11.5 CaF_2, 1.9 $BaSO_4$ (11.26 CaF_2, 1.38 $BaSO_4$)	10'
2135-2141	Breccia, principally as before, somewhat more coarse scattered throughout, more abundant fragments which resemble igneous material, possibly somewhat more pyritic than before, estimate fluorite at 6%.	SB 038 12.5 CaF_2, 2.0 $BaSO_4$ (12.51 CaF_2, 2.26 $BaSO_4$)	7'
2141-2148	Breccia, fine, medium and fairly coarse angular to subrounded fragments in a solomitic tan to light brownish gray matrix, fluorite generally lighter blue in color though finely disseminated material is dark purple, pyrite scattered throughout as distinct patches, estimate fluorite at 8%, little green clear barite.	SB 039 13.0 CaF_2, 1.2 $BaSO_4$ (15.00 CaF_2, 4.00 $BaSO_4$)	7'

Sheet No. 20 Hole No. FSB-1

Depth Feet	Formation	No.	Width
2148-2156	Breccia, very fine, gray to greenish gray (possible intrusive) abundant fine, sub-rounded fragments in a greenish gray matrix, very pyritic throughout, fairly abundant blebs of light blue purple fluorite, possible traces chalcopyrite, material resembles intrusive seen in bottom parts of Pankey 3.	SB 040 11.5 CaF_2, 1.0 $BaSO_4$ (11.63 CaF_2, 2.85 $BaSO_4$)	8'
2156-2164	Breccia, principally coarse, angular fragments of light gray dolomite, quartzite, matrix mostly purple fluoritic rock flour, some lighter blue fluorite scattered throughout, spar estimated at 4%.	SB 041 11.5 CaF_2, 1.6 $BaSO_4$ (10.63 CaF_2, 1.06 $BaSO_4$)	8'
2164-2168.2	Breccia and quartzite, light tan to light brownish gray, very fine grained, little purple fluorite scattered throughout in fractures, little pyrite associated with purple fluorite, estimate spar at 2%.	SB 042 3.5 CaF_2, 1.2 $BaSO_4$ (3.83 CaF_2, 1.76 $BaSO_4$)	4.2'
2168.2-2172.5	Purple breccia, fine angular fragments in a deep purple fluoritic matrix, matrix makes up about 40-50% of total, fairly abundant pyrite throughout, breccia fragments consists of a limestone, dolomite, quartzite, fluorite estimated at 25%, upper contact rather distinct and nearly normal to the long axis of the core, abundant clear and pale green barite (7%).	SB 024 24.5 CaF_2, 11.9 $BaSO_4$ (21.89 CaF_2, 11.20 $BaSO_4$)	4.3'
2172.5-2175.5	One fragment of fine grained dolomite, sandy with abundant disseminated purple fluorite, entire unit has distinct purple cast, finer zones seem to be better replaced with purple fluorite, some barite as previously described in coarser banding, spar estimated at 12%.	SB 025 26.5 CaF_2, 5.5 $BaSO_4$ (24.29 CaF_2, 5.00 $BaSO_4$)	3'
2175.5-2185	Purple breccia, mostly fine angular fragments, few coarse fragments, few medium fragments in a fluoritic rock flour matrix, matrix material 20-50% of total, all rather pyritic, pyrite possibly as much as 10%, mineralization somewhat patchy, abundant coarse, clear barite crystals, fairly good show of galena, estimate spar at 14%. Note: As with most of the "purple breccia" the barite is rather coarse suggesting it might be removed in the rougher with coarse grinding.	SB 026 24.5 CaF_2, 9.0 $BaSO_4$ (20.64 CaF_2, 9.10 $BaSO_4$)	9.5'

Sheet No. 21 Hole No. FSB-1

Depth Feet	Formation	No.	Width
2185-2195	Purple breccia, medium and fine angular fragments in a purple fluoritic matrix, some quartzite fragments and discreet sand grains in matrix, estimate fluorite at 16%, barite at 8% as large discreet crystals, whole unit rather pyritic.	SB 027 22.5 CaF_2, 9.2 $BaSO_4$ (24.32 CaF_2, 8.80 $BaSO_4$)	10'
2195-2200	Purple breccia, mostly fine angular fragments, few coarse, contains fairly abundant, large, (plus 1/8 inch), fragments of pale yellow to green barite, fairly good traces of lead, estimate spar at 18%.	SB 028 24.5 CaF_2, 11.4 $BaSO_4$ (23.19 CaF_2, 9.06 $BaSO_4$)	5'
2200-2205	Purple breccia, very fine throughout, bottom two feet consists principally of rock flour with occasional floating fragment, good disseminated purple fluorite throughout, generally very pyritic, particularly in finer portions, abundant scattered fairly large crystals of barite, estimate fluorite at 11%.	SB 029 20.5 CaF_2, 8.5 $BaSO_4$ (18.12 CaF_2, 4.72 $BaSO_4$)	5'
2205-2210	Breccia, principally very fine, little medium, occasional coarse fragment, all in a purple, fluoritic rock flour matrix, few large pieces well replaced with purple fluorite, contains abundant coarse plus 1/8 inch clear, pale, green barite crystals, esimate spar at 12%, fair traces of lead.	SB 030 20.5 CaF_2, 10.9 $BaSO_4$ (19.14 CaF_2, 9.10 $BaSO_4$)	5'
2210-2217	Breccia, principally fine, little coarse and medium, angular fragments in a purple fluoritic matrix, estimate fluorite at 14%, good show of fine disseminated galena throughout, abundant coarse, pale green crystals of barite.	SB 031 22.5 CaF_2, 14.9 $BaSO_4$ (19.29 CaF_2, 11.84 $BaSO_4$)	7'
2217-2225	Purple breccia, angular fragments of light gray dolomite, quartzite and limestone in a rather rich fluoritic matrix, abundant small, clear crystals of barite and abundant large pale green crystals of barite, few coarse fragments throughout commonly with good disseminated purple fluorite, estimate spar at 16%.	SB 032 24.5 CaF_2, 13.1 $BaSO_4$ (21.42 CaF_2, 7.76 $BaSO_4$)	8'

Sheet No. 22

Hole No. FSB-1

Depth Feet	Formation	No.	Width
2225-2235	Purple breccia, principally fine angular fragments in a purple fluoritic rock flour matrix, rather abundant coarse, pale green barite throughout, pyritic throughout, traces of lead, fluorite estimated at 17%, few large fragments which tend to cut the grade, tends to be more rock flour matrix toward the bottom.	SB 033	10'
		26.5 CaF_2, 16.4 $BaSO_4$ (21.22 CaF_2, 12.80 $BaSO_4$)	
2235-2243	Purple breccia, mostly a very fine dolomitic rock flour with abundant disseminated purple fluorite, entire unit rather deep purple with floating, light gray dolomite fragments and quartzite fragments throughout, unit appears to be principally matrix material, fairly abundant coarse crystals of pale green barite, fairly pyritic, traces of lead, estimate fluorite at 16%, bottom contact rather sharp.	SB 034	8'
		22.5 CaF_2, 8.2 $BaSO_4$ (21.02 CaF_2, 5.94 $BaSO_4$)	
2243-2251	Dolomite, light tan, finely granular, crackle brecciated throughout, partly brecciated as before, few zones, streaks and patches with very fine purple fluoritic breccia, particularly at top, whole unit appears to be recrystalized, estimate fluorite at 3%.	SB 035	8'
		(5.75 CaF_2, 1.10 $BaSO_4$)	
2251-2260	Breccia and brecciated dolomite, very little mixing, principally coarse, little fine, somewhat crackled throughout, few patches with purple, fluoritic matrix, stringers and blebs of purple spar, dolomite light tan to light gray, finely granular.		
2260-2278	Brecciated dolomite, mostly coarse, crackle breccia, few patches and zones fairly fine, fairly abundant clear fluorite in matrix, few blebs and stringers in more distinct finely brecciated portions, blebs of barite and calcite and chalcopyrite, few crystals of barite as above, estimate fluorite at 6%.	SB 043 (2268.2-2278)	9.8'
		(4.66 CaF_2, 1.35 $BaSO_4$)	
2278-2285	Brecciated dolomite as above, several distinct, small patches of purple breccia closely resembling the mineralized zone above, contains large crystals of barite and fine, disseminated yellow sphalerite.		

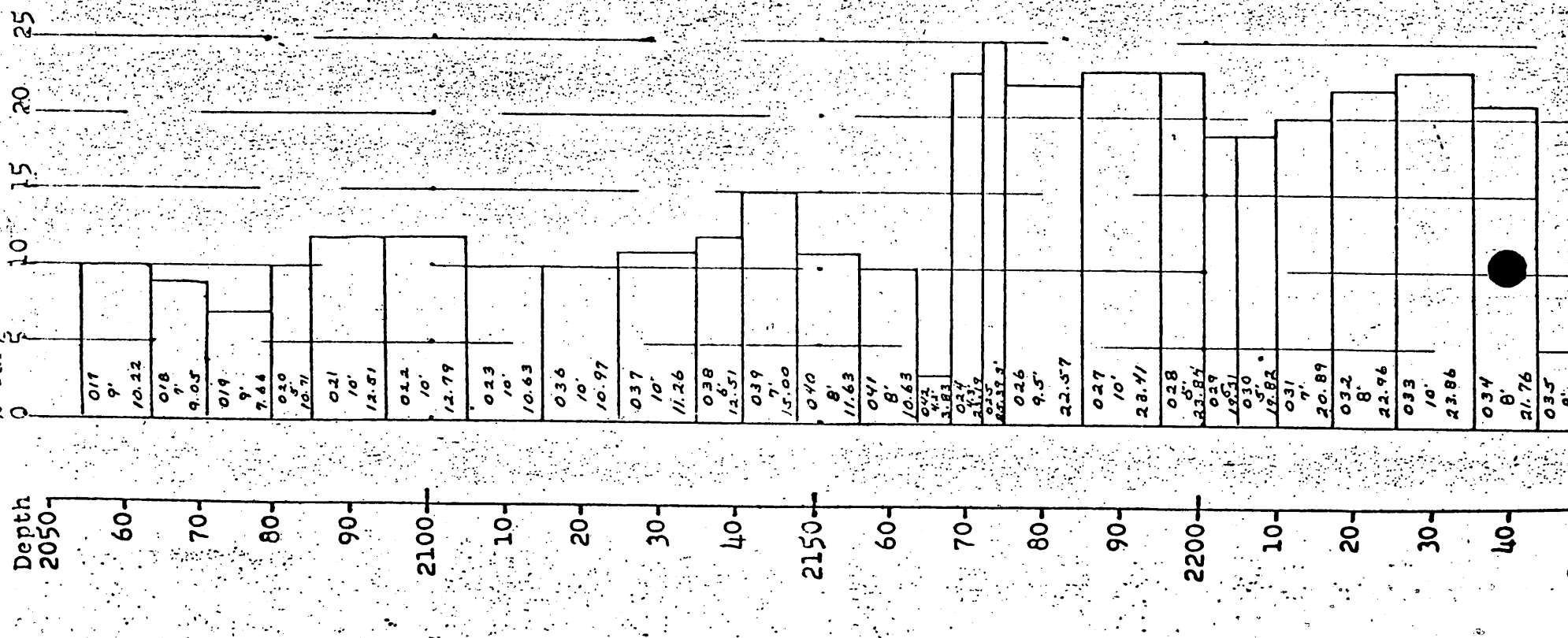
Sheet No. 23 Hole No. FSB-1

Depth Feet	Formation	No.	Width
2285-2307	Brecciated dolomite, gray and dark brownish gray, very fine grained, few patches more intensely brecciated with traces of purple breccia, fairly abundant stringers and seams with purple fluorite.		
2307-2335	Breccia, principally fine, tightly interlocked fragments of tan and light gray dolomite fragments in a dolomitic rock flour matrix, traces of disseminated pyrite throughout, traces of purple fluorite throughout, few patches resemble purple breccia, occasional stylolite in fracture, few fairly large fragments of igneous material in bottom five feet.		
2335-2355	Fine, tightly interlocked breccia as above, fine breccia portions have few patches of fluoritic matrix, few fragments of purple breccia which appear to be remobilized fragments after mineralization, little scattered pyrite throughout, faint traces of very fine chalcopyrite.		
2355-2375	Mixed, fine breccia as above and zones of crackle-type brecciation, little disseminated purple fluorite in finer brecciated portions with traces of chalcopyrite, fair shows of pyrite.		
2375-2395	Breccia, mostly fine, little coarse, tightly interlocked, angular fragments of gray to light gray dolomite, dolomitic rock flour matrix, few blebs of purple fluorite scattered throughout, traces of chalcopyrite and fine, disseminated pyrite throughout, estimate spar at less than 2%.		
2395-2405	Brecciated dolomite and fine breccia, few fragments of quartzite, traces of purple fluorite and calcite in fine brecciated zones.		

TOTAL DEPTH

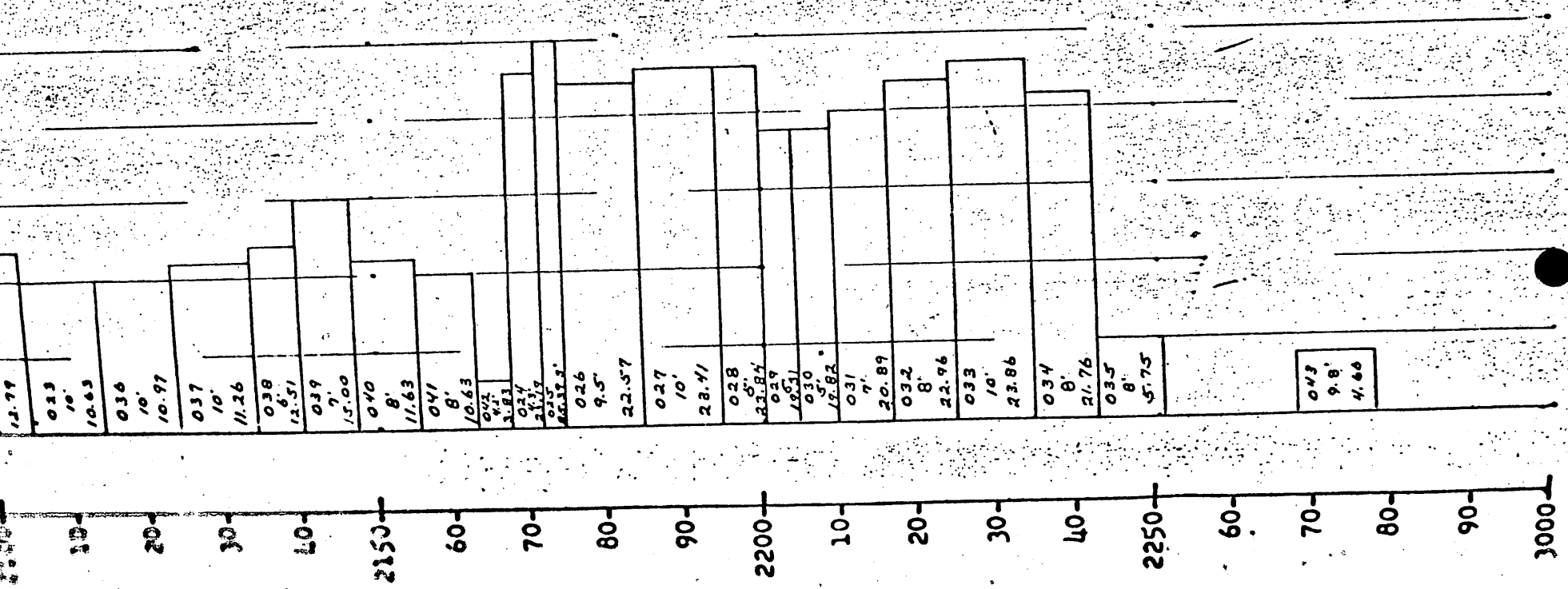
113.2' Ave. 10.89% CaF_2 (McDon.)
Excluding -10% zones= 93' of 11.67% CaF_2
(82% of total zone)

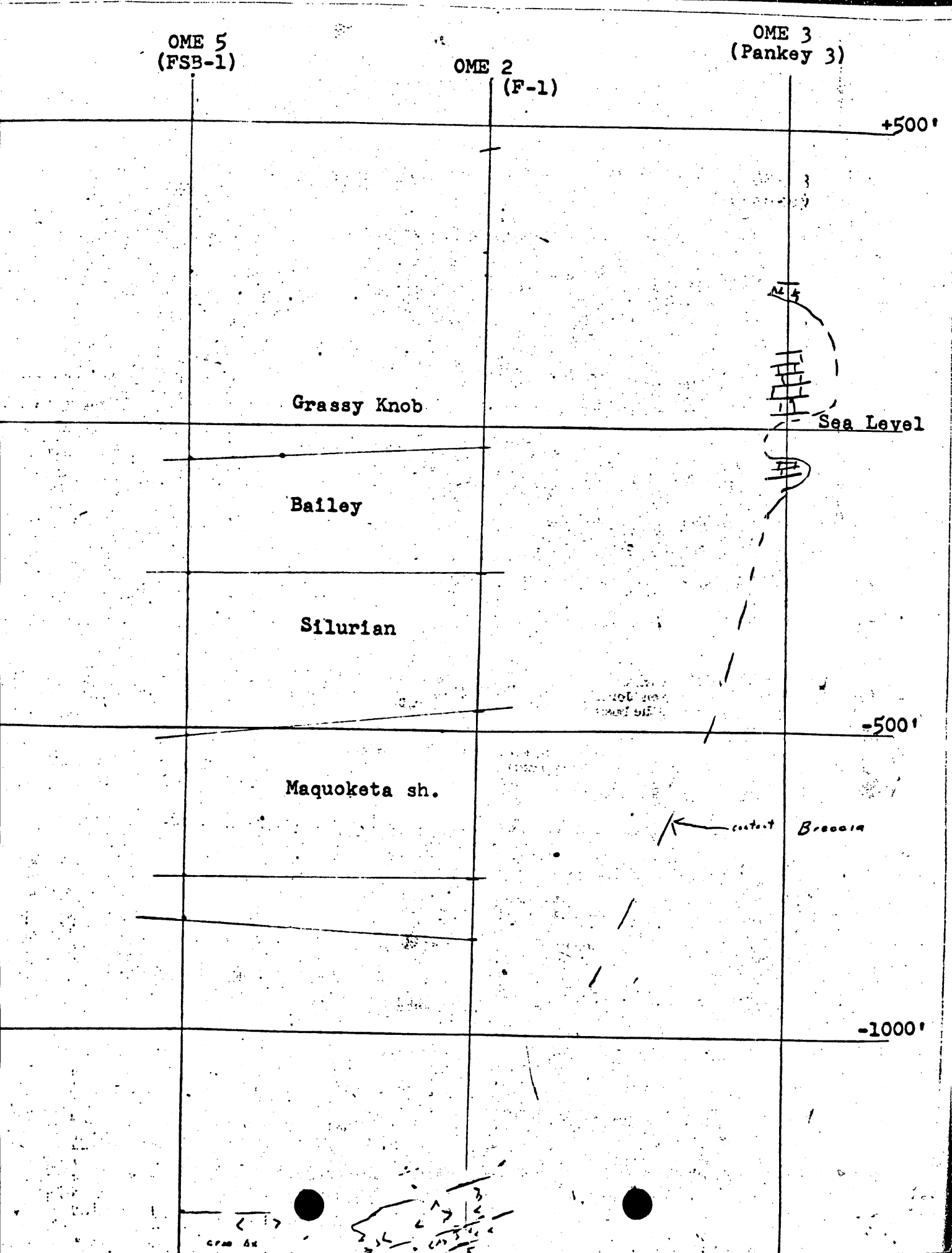
Ave. Skyline & McDonald
74.8' of 22.49% CaF_2
8.99% $BaSO_4$

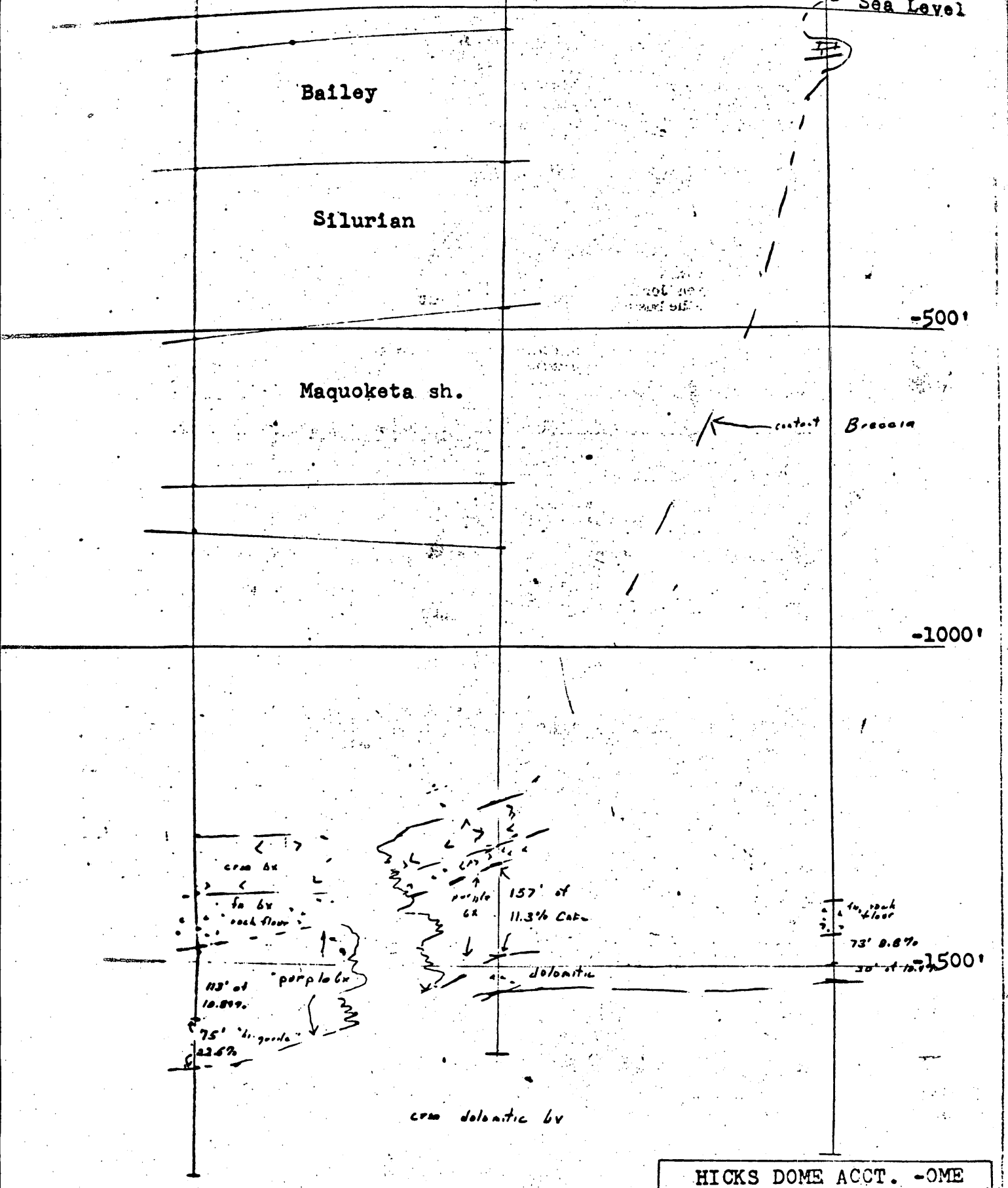


10.89% CaF_2 (McDon.)
zones= 93' of 11.67% CaF_2
total zone)

Ave. Skyline & McDonald
74.8' of 22.49% CaF_2
8.99% $BaSO_4$




OME 5
(FSB-1)
OME 2
(F-1)
OME 3
(Pankey 3)
+500'
Grassy Knob
Sea Level
Bailey
Silurian
-500'
Maquoketa sh.
contact
Breccia
-1000'



HICKS DOME ACCT. -OME
Comparison, OME 2, 3, & 5
1"= 200'

RW

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

04601A

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: Hicks Dome Account
c/o Gilbert Kerlin, Esq.
Shearman and Sterling
53 Wall Street
New York, New York 10005

Amount Claimed:	Differences (Explained Below)	Amount Approved
$ 14,135.65	$ 3,468.66	$ 10,666.99 3,733.45
Bu. Voucher No.	**Payee's Invoice No.**	**Period**
	Docket #6873 Contract #2306	July 1973

EXPLANATION

Category (1) Independent Contracts		
Reaming bit cost		
Claimed - Total bit costs	689.59	
Allowed - 526 ft at 1.00/ft	526.00	163.59
Wedging		
Claimed	1,710.00	
Allowed - Wedging procedure was to collect material for metallurgical testing rather than exploration.	-0-	1,710.00
Wedge left in hole		
Claimed	208.00	
Allowed - Same as wedging above	-0-	208.00
Excess bit costs		
Claimed - Total bit costs	1,581.00	
Allowed - 300 ft at .65/ft	195.00	1,386.20
Category (7) Miscellaneous		
Office and accounting service		
Claimed	147.97	
Allowed - ½ of 163.01 + 131.19	147/10	.87
Telephone charge of $8.85 mentioned by operator in footnote was not included in claim. It may be claimed.		3,468.66

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original bmf of this statement.

Branch of Budget and Finance

Box 447

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois

62982

OFFICIAL
COPY
OCT 24 1973
INITIALS
HK

October 15, 1973

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
Matomic Building
Room 865
1717 H. Street NW
Washington, D. C. 20006

Re: OME-6873 (Fluorspar et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed are copies of the Monthly Voucher and Operator's Monthly Report for Stage II for ~~October~~ July, 1973. I would appreciate it if you would let me know of any errors or disallowances.

Due to copying difficulties I have only included one copy of the Operator's Monthly Report. Since there is a considerable volume of material it would be appreciated if you could make the necessary copies there. I have forwarded copies of the Operator's Monthly Report to Bob Trace and Allen Heyl so that you needn't forward them a copy.

Sincerely yours,

Joseph A. Porter

JAP:kt
Enc.

MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage II

OPERATOR'S MONTHLY VOUCHER For Month of July, 1973

Operator's Name: Hicks Dome Account c/o Gilbert Kerlin, Esq.

Address: Shearman and Sterling, 53 Wall St. New York, NY 10005

Docket No. OME- 6873

Contract 14-08-0001 2306

Contract Amount $ 56,480

Gov't. Participation % 35 $19,768

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, hrs.	-	-	32	400.00	—	—	32	400.00
Rotary Drill, Mobil.	-	-	½	175.00	—	—	0.5	175.00
Drilling, feet	-	-	1036	4,144.00	—	—	1036	4,144.00
5½" casing, feet	-	-	2685	375.90	—	—	2685	375.90
Service time, hrs	-	-	3.75	150.00	—	—	3.75	150.00
Core Drilling, Mobil.	-	-	½	500.00	—	—	0.5	500.00
Coring NX 0-500'	-	-	175	700.00	—	—	175	700.00
500-1000'	-	-	500	2,925.00	—	—	500	2925.00
1000-1500'	195	1,238.25	500	3,175.00	195	1,238.25	500	3,175.00
1500-2000'	500	3,450.00	500	3,450.00	500	3,450.00	500	3,450.00
2000-2500'	405	3,037.50	405	3,037.50	405	3,037.50	405	3,037.50
Set up/casing, hrs	-	-	69	1,345.50	—	—	69	1,345.50
Reaming Time	-	-	51	1,147.50	—	—	51	1,147.50
1. Cost, reaming, bits	4	689.59	4	689.59	526 1)	526.00	526	526.00
2. Survey (Standby) Time	10	187.50	10	187.50	10	187.50	10	187.50
3. Wedging Hole, hrs.	76	1,710.00	76	1,710.00	— 3)	—	—	—
Wedge left in hole	1	208.00	1	208.00	— 3)	—	—	—
1 Excess bit costs, bits	13	1,581.20	13	1,581.20	300 4)	195.00	300	195.00
Mud Used	-	-	45.5	250.25	—	—	45.5	250.25
Category (2)								
Geologist-Supervisor	1	1,400.00	2.25	3,150.00	1	1400.00	2.25	3,150.00
4. Sampler-Assistant	1	258.14	2	299.11	1	258.14	1.25	299.11
Category (3)								
Core Boxes (5)	116	145.00	222	277.50	116	145.00	222	277.50
Sample Bags	11	5.50	11	5.50	11	5.50	11	5.50
Category (7)								
Office Expense (6)	1	147.97	2	273.91	1	147.10 5)	2	273.04
Assays CaF_2 wet (7)	11	44.00	11	44.00	11	44.00	11	44.00
Assays $BaSO_4$ wet (7)	11	33.00	11	33.00	11	33.00	11	33.00
		Stage II (allowable @ 35%)				10,666.99		26,766.30
Stage I totals (allowable at 50% of cost)				$73,385.59		—		73,385.59
TOTALS		$14,135.65		$30,234.96		$10,666.99		$100,151.89

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug. 15, 1973 *Payee Hicks Dome Account

Joseph A. Porter

Per [signature] Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer _____ Date

Approved for: $ _____ (SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____

(SEE OTHER SIDE)

FOR OPERATOR'S USE

REMARKS

See attached sheet.

FOR GOVERNMENT USE

REMARKS

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

1) ~~Claimed $689.59~~
~~Allow 526.00~~
~~Disallow~~

Claimed $689.59
Disallow 163.59
Allow $526.00

contract allows reaming at $1.00/ft. Operator's footnote No. 1 reports reaming down to 526 ft, therefore 526 x $1 = $526 allowable.

2) Claimed $1,710.00
Disallow 1,710.00
Allow -0-

Wedging procedure was to collect material for metallurgical testing rather than exploration.

3) Claimed $208.00
Disallow 208.00
Allow -0-

Same reason as for 2) above.

4) Claimed $1,581.20
Disallow $1,386.20
Allow $195.00

Contract allows bit costs in excess of $0.65/ft at $0.65/ft. 300 feet invoiced by contractor @ various prices/ft exceeding $0.65/ft. Therefore, 300' @ $0.65/ft = $195.00 allowable

5) Claimed $147.97
Disallow 0.87
Allow $147.10

Arithmetical error of 87¢. $\frac{\$163.01 + \$131.19}{2} = \$147.10$

Telephone charge of $8.85 mentioned by operator in footnote No. 6 was not included in claim. May be [redacted] claimed.

October 31, 1973

OME-6873 (Fluorspar et. al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

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O. M. E.
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NOV 7 1973
INITIALS CODE
HK

INTERIM REPORT NO. 5

To: Harold Kirkemo, Chief
Office of Minerals Exploration
U. S. Geological Survey
Washington, D. C. 20244

From: Robert D. Trace, Geologist
U. S. Geological Survey
Princeton, Kentucky 42445

On October 25, 1973 the writer visited the subject project. Since Interim Report No. 4 dated July 27, 1973, drill holes OME 6 and 7 have been completed. According to Porter, OME 6 is estimated as follows: 2,052-2,135' (83') about 12 percent CaF_2 OR about 2,000' to about 2,300', about 8-10 percent CaF_2. OME 7 has not been logged yet.

OME 8 was started by rotary, but could not maintain the hole. The site has been abandoned and another nearby start is about to be made, probably by core drilling. OME 9 has been rotaried to 670'. I understand that you have the location of these holes.

Porter and I discussed briefly (no exact locations) 2 or 3 more holes beyond OME 9. Essentially these holes would fill out the donut-like(in plan) shape of the potentially mineralized ground. In general, assuming money is available, I believe that possible holes 10-12 would be justified. At that point, however, a good hard look at OME participation is called for. Assuming the "donut" is completed, we are getting into the several-millions-of-tons of material (perhaps as much as 20 million)--a more exact figure depends upon what cutoff grade is used.

As yet, the milling and mining feasibilities and costs are vague. Seems to me that this kind of tonnage justifies a closer look at these factors, prior to simply enlarging the size of the mineralized ground. Also, the philosophy of OME participation (i.e. how far along does the government help) becomes involved.... Also, weighing the possible value of continuing the project against whatever other projects may be proposed.

I am enclosing a copy of a Company Confidential Minerva Oil Company(Fluorspar Division) cost study. Essentially, slightly over 21 percent of Cave in Rock type bedded ore is the break-even point. Without going into all the details, the Hicks Dome RESOURCE body MIGHT BE approaching the Hicks Dome ORE body(if mining and milling costs are favorable).

If this rather disjointed and cryptic memo has left you confused as to my thinking, I suggest that you give me a call.

I am sending a copy of this to A. Heyl, for any comments he might want to make.

Richard Traut
Nov. 1, 1973

Rev. 12-1-72
DBS

MINERVA BREAK EVEN STUDY 1972

Based on previous 6 mos. continuous operations + current market

Spar		Recovery	Product	Sales Value	
1%	x	80%	= .8/95.7%	= 120/$79	= $.66/unit
Zinc 1%	x	90%	= .9/60%	=66.6/$125	= $1.87/unit

COSTS PER CRUDE TON	BEDDED-MINE #1		VEIN-GASKINS
Mining	$4.70		$9.53
Development M-9	.65		.58
Milling HMS (all)	.50	(½ of .50)	.25
FLOT(2/3 of 4.76)	3.17	(5/6 of 4.76)	3.96
Plant Overhead & Haul	4.68		4.68
District Overhead	.85		.85
Total Crude Ton Cost	$14.55		$19.85
Credit for HMS road rock (1/3 of .85)	-.28	(1/6 of.85)	-.14
Adjusted Crude Ton Cost	$14.27		$19.71
	Conc. Ratio	Conc. Ratio	
Finished Ton Cost (x4.5)	$64.22	(x2.7)	$53.22

	BEDDED-MINE #1	VEIN-GASKINS
Break Even =	$14.30 Ore=21.6% CaF2 No Zn	$19.70 Ore=30.0% CaF2 No Zn
	" =17.7% CaF2+2.0% Zn	" =25.0% CaF2+1.7% Zn
10% Profit =	15.73 Ore=24.0% CaF2 No Zn	21.67 Ore=33.0% CaF2 No Zn
	" =20.0% CaF2+1.4% Zn	" =25.0% CaF2+2.8% Zn
20% Profit =	17.16 Ore=26.0% CaF2 No Zn	23.64 Ore=36.0% CaF2 No Zn
	" =24.0% CaF2+0.7% Zn	" =30.0% CaF2+2.1% Zn
	" =20.0% CaF2+2.1% Zn	" =25.0% CaF2+3.7% Zn

Company Confidential

FORM 9-1648
MARCH 1968

OFFICIAL COPY
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OCT 24 1973
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HK

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage I

OPERATOR'S MONTHLY VOUCHER

For Month of June-August (Final)

Docket No. OME- OME-6873
Contract 14-08-0001 2306
Contract Amount $95,450
Gov't. Participation %50 $ 47,725

Operator's Name Hicks Dome Account
Address c/o Gilbert Kerlin, Esq.
Shearman and Sterling, 53 Wall St.
New York, NY 10005

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Hrs. Dozing	-	-	51	637.50	-	-	51	637.50
Rotary Drilling	-	-	816	3,182.40	-	-	816	3,182.40
Cored, NX 0-500	-	-	1092	4,804.80	-	-	1092	4,804.80
500-1000	-	-	840	4,032.00	-	-	840	4,032.00
1000-1500	-	-	230	1,242.00	-	-	230	1,242.00
Cored, BX 0-500	-	-	92	386.40	-	-	92	386.40
500-1000	-	-	1160	5,336.00	-	-	1160	5,336.00
1000-1500	-	-	1770	8,951.40	-	-	1770	8,951.40
1500-2000	-	-	2000	11,750.00	-	-	2000	11,750.00
2000-2500	-	-	1103	7,811.90	-	-	1103	7,811.90
Reaming	-	-	1197	3,591.00	-	-	1197	3,591.00
Water Supply, mos.	-	-	7.7	2,310.00	-	-	7.7	2,310.00
Standby time, hrs.	-	-	24	336.00	-	-	24	336.00
Drilling Mud	-	-	114	419.71	-	-	114	419.71
Caustic Soda	-	-	1	10.85	-	-	1	10.85
Quebracho	-	-	1	20.78	-	-	1	20.78
Freight & Handling	-	-	21	22.59	-	-	21	22.59
BX Casing lost	-	-	267	667.60	-	-	267	667.60
NX Casing lost	-	-	223	780.00	-	-	223	780.00
Excess Bit Costs Total	8287	5000.00	8287	5,000.00	8287	4,143.50	8287	4,143.50
Category (2)								
Geologist-Supervisor	-	-	7	8,750.00	-	-	7	8,750.00
Sampler	-	-	6	563.77	-	-	6	563.77
Category (3)								
Road Muck	-	-	199.9	327.73	-	-	199.9	327.73
Core Boxes	-	-	909	1,136.25	-	-	909	1,136.25
Sample Bags	-	-	81	27.10	-	-	81	27.10
Category (7)								
Office Expense	-	-	8	795.35	-	-	8	795.35
Tran. of Samples	-	-	54	31.66	-	-	54	31.66
Prepare & Assay CaF_2	81	224.00	189	575.00	50 ~~81~~	100.00 ~~224.00~~	168 ~~189~~	451.00 ~~575.00~~ *
Other Analysis	29	45.80	56	81.30	60 ~~29~~	169.80 ~~45.80~~	87 ~~56~~	205.30 ~~81.30~~
Spectro. Analysis	40	360.00	72	661.00	40	360.00	72	661.00
TOTALS		$5,629.80		$74,242.09		$4,773.30		$73,385.59

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug. 28, 1973 *Payee Hicks Dome Account
Joseph A. Porter

Per Joseph A. Porter Title Geologist

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(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Kirkham Chief, OME ~~Field Officer~~ Date 10/10/73

(63) 14X0804

Approved for: $ 2,386.65
(SUBJECT TO AUDIT)

Signature BM7

Date OCT 23 1973 Vou. No. 04532A

(SEE OTHER SIDE)

FOR OPERATOR'S USE

REMARKS

Accounting of bit costs has been delayed because it was felt some of the charges were incurred because of driller negligence and should not have been for our account. In the final accounting, Joy adjusted the amount due accordingly. The attached Invoice #05116948 shows the complete bit cost accounting for Stage I.

No bit costs have been submitted to OME. Costs paid by HDA are summarized as follows:

April, '73	Inv. # 05116745	$747.00	
May, '73	Inv. # 05116815	301.00	
		$1,048.00	
Sept., '73	Inv. # 05116948	4,339.00	
	TOTAL PAID	$5,387.00	
	ALLOWABLE	$5,000.00	

FOR GOVERNMENT USE

REMARKS

1)

Unit cost of $0.50/ft. is the maximum allowable under category (1) Stage I. Therefore, 8287 ft. x $0.50 = $4,143.50

Claimed	**$5,000.00**
Allowable	**4,143.50**
Disallow	**$ 856.50 This amount may be applied to costs in Stage II.**

* Per phone conversation with Harold Kirkemo 10/16/73

BMT

RECEIVED
U.S. GEOLOGICAL SURVEY
OCT 11 1 52 PM '73
BUDGET & FINANCE

2833 4 4

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

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FINAL STAGE I

Operator's Monthly Report

Results of holes OME 3 and 4 have been previously discussed without assay results. The assay results are presented here.

The intersection in OME-4 consists essentially of three zones of mineralized breccia, best shown on the assay graph attached. The upper low grade zone consisted of 44 feet averaging 9.05% CaF_2. The "purple breccia" consisted of 87 feet averaging 11.26% CaF_2. An additional mineralized "purple breccia" zone 29 feet thick occurred approximately 70 feet beneath the zones cited above. This averaged 9.38% CaF_2.

Sections assayed which exceed 10% CaF_2 totalled 77 feet, 59% of the total intersection of 131 feet. Average of these totalled 12.04% CaF_2.

McDonald averages are generally slightly lower.

Spectrographic analysis were generally similar to previous results.

Assay certificates are attached.

Respectfully submitted,

Joseph A. Porter

Joseph A. Porter
August 28, 1973

SKYLINE LABS, INC.
SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL: (303) 424-7718

REPORT OF ANALYSIS

Job No. M-1982
July 5, 1973

Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

50 Pulp Samples

800 & 00 Series OME-4 (Hamp 6)
900 Series OME-3 (Pankey 3)

Item	Sample No.	CaF_2 (%)	Pb (ppm)	Zn (ppm)
1.	879	3.3	240	130
2.	880	3.9	280	190
3.	881	6.2	390	440
4.	882	8.2	240	360
5.	883	10.5	460	600
6.	884	7.4	470	680
7.	885	11.5	540	360
8.	886	8.6	430	760
9.	887	12.	360	720
10.	888	11.	300	620
11.	889	13.	170	680
12.	890	14.5	320	400
13.	891	13.	410	440
14.	892	11.5	190	340
15.	893	9.4	260	440
16.	894	7.8	210	380
17.	895	12.5	220	460
18.	896	11.5	230	240
19.	897	9.0	290	300
20.	898	5.6	1,050	50
21.	899	3.7	220	45
22.	900	7.2	110	35
23.	961	.26	2,700	*
24.	962	2.9	*	*
25.	963	3.5	*	*

Item	Sample No.	CaF_2 (%)	Pb (ppm)	Zn (ppm)
26.	964	4.9	*	*
27.	965	2.0	*	*
28.	966	5.8	*	*
29.	967	4.7	*	*
30.	968	5.4	*	*
31.	969	2.9	*	*
32.	970	3.7	*	*
33.	971	2.7	*	*
34.	972	2.9	*	*
35.	973	3.3	*	*
36.	974	2.5	*	*
37.	975	2.7	*	*
38.	976	5.5	*	*
39.	977	4.9	630	550
40.	978	7.9	*	*
41.	980	8.2	*	*
42.	981	9.4	*	*
43.	982	9.4	*	*
44.	983	10.5	*	*
45.	984	3.5	*	*
46.	001	11.5	440	35
47.	002	9.0	660	25
48.	003	7.2	180	30
49.	004	4.7	400	35
50.	2	.35	8,400	50

*Analysis not requested

Charles E. Thompson
Chief Chemist

SKYLINE LABS, INC.
SPECIALISTS IN EXPLORATION GEOCHEM
12090 WEST 50TH PLACE • WHEA GE, COL O 80033 • TEL.: (303) 424-7718

REP OF S OGRAPHIC ANALYSIS

Mr. Joseph A. Porte
P.O. Box 447
Rosiclare, Illinoi 2982

Job No. M-1982
July 5, 1973

Values reported in ts p r million except where noted otherwise, to the nearest num in e series 1, 1.5, 2, 3, 5, 7 etc.

Element	Sample Number 878	882	883	884	888	889	890	891
Fe	5%	1.5%	2%	1.5%	1%	2%	1%	2%
Ca	20%	>20%	>20%	>20%	15%	20%	20%	20%
Mg	5%	1.5%	2%	2%	1.5%	2%	2%	2%
Ag	<1	<1	<1	<1	<1	<1	<1	<1
As	<500	<500	<500	<500	<500	<500	<500	<500
B	10	10	20	15	20	30	20	30
Ba	100	5,000	10,000	5,000	7,000	7,000	5,000	5,000
Be	10	300	500	300	200	300	500	300
Bi	<10	10	10	10	10	10	10	10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	20	<5	<5	<5	<5	<5	<5	<5
Cr	100	10	50	30	30	50	50	50
Cu	20	7	7	7	7	10	7	5
Ga	10	<10	<10	<10	<10	<10	<10	<10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	200	50	50	50	70	100	100	100
Mn	700	200	500	300	500	500	300	300
Mo	5	<2	<2	<2	<2	2	2	2
Nb	100	700	500	700	700	500	200	200
Ni	30	5	5	10	15	20	10	15
Pb	1,500	500	700	1,000	300	300	700	300
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	50	150	200	200	200	200	200	150
Sn	<10	<10	<10	<10	<10	<10	<10	<10
Sr	500	1,500	2,000	1,500	1,000	1,000	1,000	700
Ti	5,000	5,000	5,000	5,000	5,000	5,000	2,000	3,000
V	200	200	200	200	200	300	100	150
W	<50	70	<50	<50	<50	<50	<50	<50
Y	200	2,000	3,000	2,000	2,000	2,000	2,000	1,500
Zn	<200	<200	<200	<200	<200	<200	<200	<200
Zr	100	150	150	100	100	100	100	100

Element	Sample Number 892	893	894	895	896	897	898	899
Fe	1%	2%	2%	2%	1%	2%	2%	1%
Ca	>20%	20%	>20%	>20%	20%	>20%	10%	15%
Mg	2%	2%	2%	2%	2%	1.5%	2%	5%
Ag	<1	<1	<1	<1	<1	<1	<1	<1
As	<500	<500	<500	<500	<500	<500	<500	<500
B	20	20	20	30	20	20	20	10
Ba	5,000	5,000	7,000	5,000	7,000	7,000	2,000	1,000
Be	500	200	300	500	300	500	700	100
Bi	10	10	10	10	10	10	10	<10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	<5	<5	<5	<5	<5	<5	<5	<5
Cr	30	50	30	50	30	50	20	50
Cu	7	7	7	7	10	7	5	3
Ga	<10	<10	<10	<10	<10	<10	<10	<10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	100	100	50	150	150	100	50	200
Mn	300	300	500	500	500	500	500	500
Mo	2	<2	2	2	2	2	2	<2
Nb	300	200	500	500	500	700	500	50
Ni	15	15	15	20	15	15	5	<5
Pb	200	300	200	200	200	500	500	100
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	150	150	200	150	150	200	50	<10
Sn	<10	<10	<10	<10	<10	<10	<10	<10
Sr	700	1,000	1,000	1,000	1,000	1,000	300	300
Ti	2,000	3,000	3,000	3,000	3,000	5,000	2,000	200
V	100	100	150	100	100	200	100	15
W	<50	<50	<50	<50	<50	70	<50	<50
Y	1,500	2,000	3,000	2,000	2,000	3,000	2,000	100
Zn	<200	<200	<200	<200	<200	<200	<200	<200
Zr	100	100	100	100	100	150	100	<20

Element	Sample Number 900	961	962	963	964	965	966	967
Fe	1.5%	2%	2%	5%	5%	2%	3%	3%
Ca	10%	10%	>20%	>20%	>20%	7%	15%	20%
Mg	2%	2%	2%	5%	5%	1.5%	2%	2%
Ag	<1	1	<1	<1	<1	<1	<1	<1
As	<500	<500	<500	<500	<500	<500	<500	<500
B	10	15	15	30	20	10	20	20
Ba	7,000	50	2,000	1,500	100	70	10,000	2,000
Be	100	<2	5	10	70	10	300	150
Bi	10	<10	<10	<10	<10	<10	<10	<10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	<5	<5	<5	10	<5	10	10	5
Cr	30	70	70	500	70	150	150	100
Cu	5	7	10	20	10	20	20	10
Ga	<10	10	<10	15	10	15	10	10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	100	20	150	150	150	100	150	150
Mn	300	200	500	700	500	300	500	500
Mo	<2	<2	3	10	2	2	3	5
Nb	100	70	100	70	200	100	150	200
Ni	5	15	10	50	20	70	50	30
Pb	200	2,000	300	200	70	100	1,000	100
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	30	20	50	50	50	20	70	70
Sn	<10	<10	<10	<10	<10	<10	<10	<10
Sr	500	100	1,500	1,000	700	200	2,000	700
Ti	2,000	1,000	5,000	5,000	5,000	2,000	3,000	5,000
V	30	100	200	200	100	200	200	200
W	<50	<50	<50	<50	<50	<50	<50	<50
Y	1,000	200	500	200	2,000	200	1,500	1,000
Zn	<200	<200	<200	<200	<200	<200	<200	<200
Zr	100	70	100	200	100	200	100	100

Element	Sample Number 970	971	973	975	976	977	978	980
Fe	3%	2%	3%	3%	3%	3%	2%	5%
Ca	15%	20%	20%	20%	>20%	>20%	>20%	20%
Mg	2%	2%	5%	2%	5%	7%	5%	7%
Ag	<1	<1	<1	<1	1.5	<1	1	<1
As	<500	<500	<500	<500	<500	<500	<500	<500
B	20	15	15	20	20	20	20	20
Ba	1,000	700	70	2,000	3,000	2,000	2,000	5,000
Be	100	100	150	100	200	150	500	200
Bi	<10	<10	<10	<10	<10	<10	<10	10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	5	7	5	10	5	<5	<5	<5
Cr	100	150	100	150	100	70	70	70
Cu	10	15	10	20	30	10	10	10
Ga	10	10	10	15	10	10	10	<10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	100	150	150	200	200	150	200	200
Mn	500	500	700	500	500	700	500	1,000
Mo	3	3	5	5	5	2	2	2
Nb	300	70	300	100	100	100	50	200
Ni	30	30	30	50	20	20	10	20
Pb	50	70	70	500	7,000	1,000	1,000	500
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	50	30	50	50	50	50	50	70
Sn	<10	<10	<10	<10	<10	<10	<10	<10
Sr	500	700	500	700	700	500	1,000	1,000
Ti	2,000	2,000	2,000	3,000	3,000	3,000	2,000	2,000
V	150	100	100	150	100	200	50	50
W	<50	<50	<50	<50	<50	<50	<50	<50
Y	1,000	300	1,000	500	1,500	500	1,000	7,000
Zn	<200	<200	<200	<200	1,000	200	200	<200
Zr	100	100	100	150	100	100	100	200

Element	Sample Number 981	982	983	984	001	002	003	004
Fe	5%	5%	3%	3%	3%	3%	3%	2%
Ca	>20%	20%	>20%	>20%	15%	15%	15%	5%
Mg	7%	7%	7%	10%	5%	3%	5%	2%
Ag	<1	<1	<1	<1	<1	<1	<1	<1
As	<500	<500	<500	<500	<500	<500	<500	<500
B	20	20	20	10	20	20	20	10
Ba	5,000	7,000	7,000	5,000	10,000	10,000	10,000	3,000
Be	700	300	200	70	1,000	1,000	1,000	200
Bi	10	10	10	<10	10	10	10	10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	<5	<5	<5	<5	<5	<5	<5	<5
Cr	70	70	50	30	70	70	50	100
Cu	10	10	10	5	10	10	10	10
Ga	<10	<10	<10	<10	<10	<10	<10	<10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	200	200	150	150	100	100	50	100
Mn	700	700	700	700	500	500	500	200
Mo	2	2	5	2	<2	<2	<2	2
Nb	200	300	500	500	300	500	700	500
Ni	20	20	10	<5	10	15	5	10
Pb	700	500	500	300	3,000	5,000	700	200
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	70	70	70	20	<20	<20	<20	<20
Sn	<10	<10	<10	<10	<10	<10	<10	<10
Sr	1,000	1,000	1,500	500	2,000	1,500	1,500	300
Ti	2,000	2,000	3,000	1,000	3,000	3,000	3,000	2,000
V	70	100	100	50	200	200	150	100
W	<50	<50	<50	<50	<50	<50	50	<50
Y	7,000	5,000	5,000	500	2,000	2,000	3,000	1,500
Zn	<200	<200	<200	<200	<200	<200	<200	<200
Zr	200	150	150	50	150	150	150	100

Charles E. Thompson
Chief Chemist

Box 592
Rosiclare, Ill. 62982

V. C. McDonald

Chemist Assayer
Lab. Flotation Research

Telephone 285-6823
(Area Code 618)

July 17th, 1973

Mr. Joe Porter
Geogologist
Rosiclare, Illinois

800 & 00 Series OME-4 (Hamp 6)
900 Series OME-3 (Pankey 3)

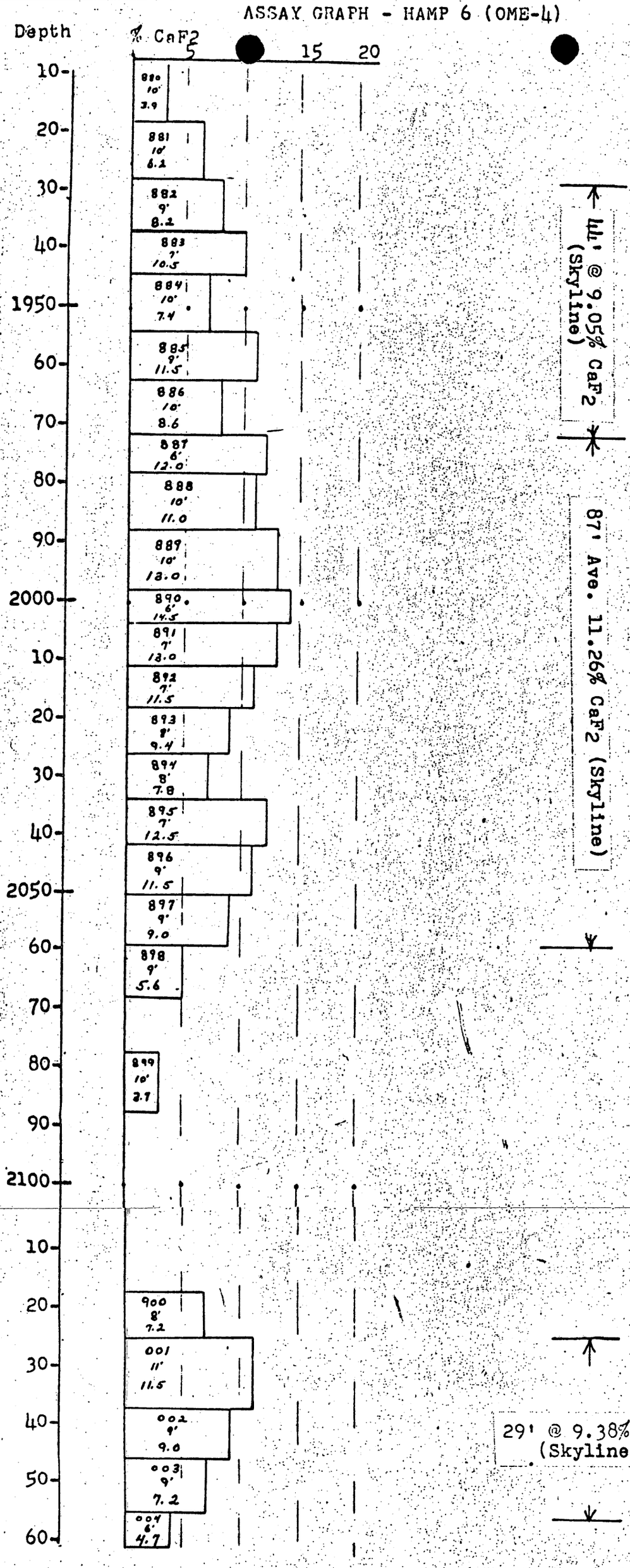
CORE SAMPLES 800 & 900 Series

Sample No.	CaF_2	SiO_2	Total Calcium	$BaSO_4$
896	10.12	11.94	26.37	4.50
987	8.08	11.98	24.77	4.50
-898	4.32	15.80	19.46	0.50
900	6.57	19.38	17.80	2.44
001	10.70	20.02	20.06	1.98
002	8.85	14.32	21.72	3-50
003	5.06	67.92	17.79	2.10
004	5.06	16.60	27.44	3.40
879	2.78	2.92	35.00	1.50
880	3.29	4.98	20.59	1.42
881	5.56	6.78	31.75	1.92
882	77659	9.02	31.76	2.46
883	9.61	11.36	25.90	4.38
884	5.79	10.46	27.90	2.96
885	10.67	10.82	27.50	0.12
886	7.08	1.12	28.36	1.46
887	10.64	11.10	27.30	1.80
888	10.47	12.44	25.11	4.06
889	12.50	12.36	25.24	3.34
890	13.66	11.86	28.10	2.68
891	13.20	12.78	25.54	3.20
892	10.12	10.18	25.68	2.52
893	9.49	8.94	26.10	2.80
894	7.33	12.48	25.69	3.70
895	11.56	12.40	25.97	3.20
896	4.38	19.19	16.27	5.52
897	5.49	14.76	17.00	8.96
898	3.79	25.56	16.69	3.21
989	3.03	35.76	11.88	1.54
990	4.42	27.42	20.22	2.36
991	5.74	5.84	15.93	3.46

V.C.McDonald
Chemist

V. C. McDonald

ASSAY GRAPH - HAMP 6 (OME-4)



JOY MANUFACTURING COMPANY

OLIVER BUILDING
PITTSBURGH, PENNSYLVANIA 15222

PLEASE REMIT TO
P. O. BOX 360135M
PITTSBURGH, PA. 15230

CUSTOMER'S ORDER NO.	DATE	REQ. NO.	OUR ORD'R NO.	DATE	AT REC. POINT	B.O.NO.
CONTRACT	CODE			DATE	AT SHIP POINT	
	99 69 05 14 03 209					

180

SOLD TO

Mr. Gilbert Kerlin
53 Wall Street
New York, New York 10005

TERMS NET 30 DAYS
NO CASH DISCOUNT

INVOICE NO. 05115548

INVOICE DATE 8-29-73

PLEASE REMIT TO
P.O. BOX 360135M
PITTSBURGH, PA. 15230

DATE SHIPPED

SHIPPED TO

SHIPPED VIA

P. O. ADDRESS

MARKS

REQUESTED ROUTING

SHIPPED FROM Michigan City, Indiana

NAL TITY RED	PART NUMBER	DESCRIPTION	CODE	UNIT PRICE	QUANTITY BACK ORDERED	QUANTITY SHIPPED	AMOUNT
		To bill for diamond bit loss in excess of $1.00 per foot.					
		Total diamond loss through March 25					$11,896.00
		Diamond loss for month of April					1,110.00
		Diamond loss for month of May					1,422.00
							$14,428.00
		Total footage drilled through month of May		9,103 ft.			
		Less open hole drilling		816 ft.			
				8,287 ft.			
		8,287 ft. @ $1.00/ft.					8,287.00
							$6,141.00
		LESS EXCESS LOSS PREVIOUSLY BILLED					
		See receipts with April Voucher → Invoice # 05116745		$747.00			
		" " " May " → Invoice # 05116815		301.00			1,048.00
							$5,093.00
		(Continued)					

CERTIFIED TRUE COPY

F. O. B. SHIPPING POINT UNLESS OTHERWISE SPECIFIED
NO RETURNS ALLOWED UNLESS AUTHORIZED BY THIS OFFICE
GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH THE REQUIREMENTS OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, INCLUDING SECTION 14(a)

4133-6 4/67
4134-SINGLE 4/67

09007

JOY MANUFACTURING COMPANY

PAGE NO. 2

OLD TO Mr. Gilbert Kerlin

OUR ORDER NO.	AT REC. POINT	AT SHIP POINT	B.O. NO.	INVOICE NO.
				005116948

UNIT	PART NUMBER	DESCRIPTION	SALES CODE	UNIT PRICE	QUANTITY BACK ORDERED	QUANTITY SHIPPED	AMOUNT
LESS COST OF ITEMS INCLUDED IN DIAMOND LOSS NOT CHARGEABLE TO CUSTOMER							
	H-5 2	NX W.L. Bits @ $206.00		$412.00			
	H-5 2	NX W.L. Reaming Shells @ $95.00 ea.		190.00			
	F-1 1	BX W.L. Bit		152.00			754.00
							$4,339.00

CERTIFIED TRUE COPY

INVOICE (CONTINUATION)

STATEMENT

To: Joseph A. Porter
P.O. Box 447
Rosiclare, IL 62982

DATE 7-17-73

From: V.C. McDonald
P.O. Box 592
Rosiclare, IL 62982

800 & 00 Series OME-4 (Hamp 6)
900 Series OME-3 (Pankey 3)

Please detach and return upper portion with your remittance. $ 124.00

DATE	CHARGES AND CREDITS	BALANCE
	31 CaF_2 assays @ $4.00 each	124.00
	CERTIFIED TRUE COPY	
	Respectfully submitted,	
	V.C. McDonald	
	V.C. McDonald Chemist	
		$124.00

GrayLine "SNAP-A-WAY" FORM 44-501 2-PARTS

Your Check Is Your Receipt

WILSON JONES COMPANY © 1961 PRINTED IN U.S.A.

SKYLINE LABS, INC.
SPECIALISTS IN EXPLORATION GEOCHEMISTRY
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033
TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 0146
JOB NO.: M-1982
P.O. NO.:

DATE: July 5, 1973

TERMS: NET 30 DAYS

SOLD TO: Mr. Joseph A. Porter
P.O. Box 447
Rosiclare, Illinois 62982

Analysis of 51 Pulp Samples

1	Lead @ $1.00	$ 1.00
40	Semi-quant spectrographic analysis @ $9.00	$360.00
28	Lead, and Zinc (single digestion) @ $1.60	$ 44.80
50	Fluorine @ $2.00	$100.00
	Total	$505.80

CERTIFIED TRUE COPY

INVOICE COPY

04562A

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee:

Hicks Dome Account
c/o Gilbert Kerlin, Esq.
Shearman and Sterling
53 Wall Street
New York, NY 10005

Amount Claimed:	Differences (Explained Below)	Amount Approved
$ 5,629.80	**$ 856.50**	**$ 4,773.30** **2,386.65 (Govt Part 50%)**
Bu. Voucher No.	Payee's Invoice No.	Period
	Contract #2306 Docket #6873	**June-August 1973**

EXPLANATION

Actual Costs
Category (1) Indepedent Contracts
Bit Costs

Claimed	**$ 5,000.00**	
Allowed 8,287ft @ $.50/ft	**4,143.50**	**$ 856.50 ***

*** This amount may be applied to costs in Stage II.**

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

04562

bmf

Branch of Budget and Finance

FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage II

OPERATOR'S MONTHLY VOUCHER For Month of June, 1973

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.

Address Shearman and Sterling, 53 Wall St. New York, NY 10005

Docket No. OME- 6873

Contract 14-08-0001 2306

Contract Amount $56,480

Gov't. Participation % 35 $19,768

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
Category (1)		$		$		$		$
Dozing, hrs.	-	-	32	400.00	—	—	32	400.00
Rotary Drill-Mobil.	-	-	½	175.00	—	—	½	175.00
Drilling, ft.	312	1,248.00	1,036	4,144.00	312	1,248.00	1,036	4,144.00
5½" Casing, ft.	-	-	268.5	375.90	—	—	268.5	375.90
Service Time, hrs	-	-	3.75	150.00	—	—	3.75	150.00
Core Drilling, Mobil.	-	-	½	500.00	—	—	0.5	500.00
Set up/casing, hrs	38	741.00	69	1,345.50	38	741.00	69	1,345.50
Reaming Time	51	1,147.50	51	1,147.50	51	1,147.50	51	1,147.50
Drilling 0-500'	125	500.00	175	700.00	125	500.00	175	700.00
500-1000'	500	2,925.00	500	2,925.00	500	2925.00	500	2925.00
1000-1500'	305	1,936.75	305	1,936.75	305	1936.75	305	1,936.75
Mud used	39.5	217.25	45.5	250.25	39.5	217.25	45.5	250.25
Category (2)								
Geologist-Supervisor	1.25	1,750.00	1.25	1,750.00	1.25	1,750.00	1.25	1,750.00
Sampler	1	145.76	1.0	145.76	1	~~145.76~~	1.0	~~145.76~~
					0.25	40.97	0.25	40.97
Category (3)								
Core Boxes	106	132.50	106	132.50	106	132.50	106	132.50
Category (7)								
Office Expenses	1	125.94	1	125.94	1	125.94	1	125.94
		Stage II totals (allowable at 35% Gov't participation)				~~10,869.70~~ 10,764.91		~~16,204.10~~ 16,099.31
		Stage I total (allowable at 50% Gov't participation)				—		68,612.29
						10764.91		84,711.60
TOTALS		$10,869.70		$16,204.10		$ ~~10,869.70~~		$ ~~84,816.39~~

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug. 13, 1973 *Payee Hicks Dome Account
Joseph A. Porter

Per Joseph A. Porter Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer Date

Approved for: $ _____ (SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____

(SEE OTHER SIDE)

FOR OPERATOR'S USE

EMARKS

Category (1)
0-500' category charged @ $4.00, actual cost $5.85'.

Category (2)
Geologist-Supervisor charge for May on Stage I was disallowed. Stage II actually commenced on May 15. Consequently one-half of May is claimed here. During June one week was spent on other projects. Three-fourths of Porter time is charged. Total submitted is 1.25 months @ $1400 = $1750.

Have been unable to acquire satisfactory assistant geologist-sampler. Have been using Roy Stacey as before for hauling core etc. In addition, have been using Mrs. Kay Thornberry to help with drafting, sample labeling, shipping and miscellaneous errands. Approximately ½ of her time ($40.97) charged in this category.

Category (3)
Core boxes left over from Stage I were purchased from Joy and used for Stage II. Item is marked on attached Joy Invoice for May, 1973. A total of 125 boxes were charged to Stage I in May. We were invoiced for 341.

Category (7)
Office expense includes $105.73 secretarial and $20.21 telephone.

FOR GOVERNMENT USE

REMARKS

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

Operator's Monthly Report

June, 1973

During the month the hole was drilled NX size from 375 feet to 1,305 feet, a total of 930 feet. Numerous cavities with chert gravel were encountered to 400 feet. Due to excess bit wear and stuck rods in this interval the NX casing was reamed from 325 feet to 400 feet. Loose chert caused considerable difficulty while reaming.

No particular difficulties were encountered after the casing was reamed down.

Respectfully submitted,

Joseph A. Porter
Geologist
P.O. Box 447
Rosiclare, IL 62982

FORM 9-1648
MARCH 1968

OFFICIAL COPY
S. N. E.
RECEIVED
AUG 29 1973
INITIALS | CODE
G.W. / 2.4
JHK 40

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

Stage II

OPERATOR'S MONTHLY VOUCHER

For Month of June, 1973

Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $ 56,480
Gov't. Participation % 35 $19,768

Operator's Name Hicks Dome Account
Address c/o Gilbert Kerlin, Esq.
Shearman and Sterling, 53 Wall St.
New York, NY 10005

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, hrs.	-	-	32	400.00	--	--	32	400.00
Rotary Drill-Mobil.	-	-	½	175.00	~~21~~	--	½	175.00
Drilling, ft.	312	1,248.00	1,036	4,144.00	312	1,248.00	1,036	4,144.00
5½" Casing, ft.	-	-	268.5	375.90	--	--	268.5	375.90
Service Time, hrs	-	-	3.75	150.00	--	--	3.75	150.00
Core Drilling, Mobil.	-	-	½	500.00	--	--	0.5	500.00
Set up/casing, hrs	38	741.00	69	1,345.50	38	741.00	69	1,345.50
Reaming Time	51	1,147.50	51	1,147.50	51	1,147.50	51	1,147.50
Drilling 0-500'	125	500.00	175	700.00	125	500.00	175	700.00
500-1000'	500	2,925.00	500	2,925.00	500	2,925.00	500	2,925.00
1000-1500'	305	1,936.75	305	1,936.75	305	1,936.75	305	1,936.75
Mud used	39.5	217.25	45.5	250.25	39.5	217.25	45.5	250.25
Category (2)								
Geologist-Supervisor	1.25	1,750.00	1.25	1,750.00	1.25	1,750.00	1.25	1,750.00
Sampler	1	145.76	1.0	145.76	0.25	~~145.76~~ 40.97	0.25	~~145.76~~ 40.97
Category (3)								
Core Boxes	106	132.50	106	132.50	106	132.50	106	132.50
Category (7)								
Office Expenses	1	125.94	1	125.94	1	125.94	1	125.94
			Stage II totals (allowable at 35% Govt. participation)			~~10,869.70~~ 10,764.91		~~16,204.10~~ 16,099.31
			Stage I total (allowable at 50% Gov.'t participation)			--		68,612.29
TOTALS		$10,869.70		$16,204.10		$ ~~10,869.70~~ 10,764.91		$ ~~84,816.39~~ 84,711.60

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug. 13, 1973 *Payee Hicks Dome Account
Joseph A. Porter

Per [signature] Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Kirkham Chief, OME ~~Field Officer~~ Date 8/17/73

(63) 14X0804

Approved for: $3,767.72
(SUBJECT TO AUDIT)

Signature [signature]

Date 27 AUG 1973 Vou. No. 04298 A

(SEE OTHER SIDE)

FOR OPERATOR'S USE

REMARKS

Category (1)
0-500' category charged @ $4.00, actual cost $5.85'.

Category (2)
Geologist-Supervisor charge for May on Stage I was disallowed. Stage II actually commenced on May 15. Consequently onehalf of May is claimed here. During June one week was spent on other projects. Three-fourths of Porter time is charged. Total submitted is 1.25 months @ $1400 = $1750.

Have been unable to acquire satisfactory assistant geologist-sampler. Have been using Roy Stacey as before for hauling core etc. In addition, have been using Mrs. Kay Thornberry to help with drafting, sample labeling, shipping and miscellaneous errands. Approximately ½ of her time ($40.97) charged in this category.

Category (3)
Core boxes left over from Stage I were purchased from Joy and used for Stage II. Item is marked on attached Joy Invoice for May, 1973. A total of 125 boxes were charged to Stage I in May. We were invoiced for 341.

Category (7)
~~Office expense includes $105.73 secre-~~ tarial and $20.21 telephone.

FOR GOVERNMENT USE

REMARKS

1) Disallow $104.79
Allow $40.97

$104.79 charged on stage I in May and approved.
H. Kirkham

BRANCH OF BUDGET AND FINANCE
AUG 20 1973
RECEIVED
FINANCIAL REPORTS

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

Operator's Monthly Report

June, 1973

During the month the hole was drilled NX size from 375 feet to 1,305 feet, a total of 930 feet. Numerous cavities with chert gravel were encountered to 400 feet. Due to excess bit wear and stuck rods in this interval the NX casing was reamed from 325 feet to 400 feet. Loose chert caused considerable difficulty while reaming.

No particular difficulties were encountered after the casing was reamed down.

Respectfully submitted,

Joseph A. Porter
Geologist
P.O. Box 447
Rosiclare, IL 62982

ephone: Area Code 618
Office 382-4184

P. O. Box 389
Carmi, Illinois 62821

In Account With

DiKor

a division of scrw-kor inc.

TO Hick's Dome Account
P.O. Box 506
Rosiclare, Illinois 62982

Date 6/30/73

Invoice Number 30-211-4

Delivery Ticket

Lease Hamp #7

TERMS: 30 Days Net.

Part No.	Description	Unit Price	Amount
	Total footage drilled	720'	
	Footage billed 5/31/73	408'	
	Total footage this billing	312' @ $4.00/ft	$ 1248.00
	Total Invoice		$ 1248.00
	Illinois Delivery		

OK for Payment

Jno

CERTIFIED TRUE COPY

Jerry E. Pate

RY DRILLING
ING
DATION TESTING
ND DRILLING EQUIPMENT
NG ADDITIVES

Boyles Bros.
DRILLING COMPANY
CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLESCOP
MEXICO CITY, MEXICO
telex: 001774546

VOICE DATE: June 30, 1973
ER NUMBER: 33-3
CE NUMBER: 2
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph porter
Post Office Box 447
Rosiclare, Illinois 62982

Hole No.	From	To	Footage	Rate	Total
FSB 1	375	1000	625	5.85	$ 3,656.25
	1000	1305	305	6.35	1,936.75
	Reaming Time		51 hours	22.50/hr	1,147.50
	Bit Cost for Remming will be billed		at a later date		
	Casing time		38 hours	19.50/hr	741.00
	Mud used		39.5 sacks	5.50/sk	217.25
				TOTAL	$ 7,698.75

CERTIFIED TRUE COPY

June 2, 1973

Mr. Roy A. Stacey
Elizabethtown
Illinois

Dear Roy:

Enclosed is a check for $93.21 for wages earned during the month of May, 1973. Also enclosed is a check for $7.00 for welding. Amount due was calculated as follows:

44 hrs. x $2.25 =		$99.00
Income Tax	$0.00	
State Tax	0.00	
Social Security	5.79	- 5.79
		$93.21

Thank you.

Sincerely,

Joseph A. Porter, Geologist
P.O. Box 447
Rosiclare, IL 62982

JAP/kt
Encl. 2

Amount Earned $ 99.00
Employer S.S. 5.79
104.79

Disallow for June voucher. Claimed and approved for Stage I, May 1973

CERTIFIED TRUE COPY

JOY MANUFACTURING COMPANY

OLIVER BUILDING
PITTSBURGH, PENNSYLVANIA 15222

PLEASE REMIT TO
P. O. BOX 360135M
PITTSBURGH, PA. 15230

CUSTOMER'S ORDER NO.	DATE	REQ. NO.	OUR ORD'R NO.	DATE	AT REC. POINT	B.O.NO.
CONTRACT	CODE 09 69 05 14 03 209			DATE	AT SHIP POINT	

180
SOLD TO
Mr. Gilbert Kerlin
53 Wall Street
New York, New York 10005

TERMS NET 30 DAYS
NO CASH DISCOUNT

INVOICE NO. 05116815

INVOICE DATE 6-15-73

PLEASE REMIT TO
P.O. BOX 360135M
PITTSBURGH, PA. 15230

DATE SHIPPED

SHIPPED TO
Hicks Dome, Illinois

SHIPPED VIA

P. O. ADDRESS

MARKS

REQUESTED ROUTING

SHIPPED FROM Michigan City, Indiana

PART NUMBER	DESCRIPTION	CODE	UNIT PRICE	QUANTITY BACK ORDERED	QUANTITY SHIPPED	AMOUNT
To 1,121' core drilling at Hicks Dome, Illinois as per agreement.						
PROSPECT NO.	FROM TO		TOTAL FT.	COST UNIT		TOTAL COST
H-6	BX 1079. 1500.		421.	4.60		$1,936.60
	BX 1500. 2000.		500.	5.20		2,600.00
	BX 2000. 2200.		200.	6.10		1,220.00
			1121			
						$5,756.60
CORE BOXES USED	Note 125 used ~~(illegible)~~ - rest represents inventory at end of job JP					
	341 Cardboard Core Boxes @ $1.25/ea.					426.25
CASING LOST OR REQUESTED IN PLACE						
H-6	157 feet 4" Pipe @ $1.00/ft.					157.00
	220' BX W. L. Rods and Casing Cutter lost in cavity					N/C
FURNISHING WATER						
	April 26 through May 25, 1973					300.00
DIAMOND BIT LOSS IN EXCESS OF $1.00/FT.						
	April 26 through May 25, 1973.					
	Attached detail listing shipments, returns, and foreman's inventory.					301.00
	1 Well Pump and Wiring per agreement					500.00

CERTIFIED TRUE COPY

F. O. B. SHIPPING POINT UNLESS OTHERWISE SPECIFIED

May 16, 1973

Mrs. May Thornberry
Rosiclare
Illinois

Dear May:

Enclosed find a check in the amount of $45.76 representing wages paid for the period May 1-15, 1973.

27 hrs. x $1.80		=	$ 48.60
S.S.	$2.84		
I.T.	0.00		
S.T.	0.00		2.84
			$ 45.76

Sincerely,

Joseph A. Porter

Charge HDA 3 hrs
3 x 1.80 5.40
SS: .31
$5.71

CERTIFIED TRUE COPY

Joseph A. Porter

June 1, 1973

Mrs. Kay Thornberry
Rosiclare
Illinois

Dear Kay:

Enclosed find a check in the amount of $84.87 representing payment of wages for May 16-31, 1973. Also included is $12.00 for mileage.

43 hrs. x $1.80 -		$ 77.40
S.T.	$4.53	
I.T.	0.00	
S.T.	0.00	- 4.53
		$ 72.87
120 mi. x $0.10 =		12.00
Total		$ 84.87

Sincerely,

Joseph A. Porter
Rosiclare, IL

CERTIFIED TRUE COPY

Joseph A. Porter

~~$84.87~~

Earned 77.40
Employee SS 4.53
Total 81.93

Charge OME - 100%
$40.96 - Category (7)

June 1, 1973

Mrs. Vera Bishop
Elizabethtown, Illinois

Dear Vera:

Enclosed find a check in the amount of $50.07, representing wages earned during the month of May, 1973.

31 hrs.	x	$1.80	=	$55.80
S. S.	$3.26			
State I. T.	1.37			
Fed. I. T.	1.10			5.73
				$50.07

Sincerely,

Joseph A. Porter

JAP:vb
Enc.

55.80
55 3.26
$59.06

Change one 100 7s

CERTIFIED TRUE COPY

Telephone Expenses

Chargeable to OME

Date	Place	Person	Amount
4-12	Lakewood	Hyle	$ 1.15
4-24	Murfreesboro	Boyles	2.95
4-26	Carmi	DiKor	.50
5-1	Washington	Kirkemo	1.15
5-10	Carmi	DiKor	.50
5-10	Arvada	Skyline	1.45
5-10	Murfreesboro	Boyles	1.72
5-10	Carmi	DiKor	1.30
5-14	Carmi	DiKor	.66
5-14	Washington	Kirkemo	5.85
5-15	Carmi	DiKor	1.14
		Total	$ 18.37
		Tax	1.84
		TOTAL	$ 20.21

CERTIFIED TRUE COPY

04298 A

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: Hicks Dome Account
c/o Gilbert Kerlin, Esq.
Shearman & Sterling, 53 Wall St.
New York, New York 10005

Amount Claimed:	Differences (Explained Below)	Amount Approved
$ 10,869.70	$ 104.79	$ 10,764.91 3,767.72 (Govt Part 35%)
Bu. Voucher No.	**Payee's Invoice No.**	**Period**
	Docket #6873 Contract #2306	June 1973

EXPLANATION

Category (2) Personal Services

Assistant Geologist - Sampler

Claimed	145.76
Allowed - $40.97 ($104.79 was claimed in May on Stage I and approved)	40.97
	104.79

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

bmf

Branch of Budget and Finance

Phone (618) 285-6685

Joseph A. Porter
Geologist
Rosiclare, Illinois
62982

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 17 1973
INITIALS | CODE
Car | 120
HK | 120

August 14, 1973

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
Matomic Building
Room 865
1717 H Street NW
Washington, D. C. 20006

Re: OME-6873 (Fluorspar et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

This is to advise you of a mistake made here on the June Voucher, submitted August 13, 1973.

A charge of $104.79 was submitted for Mr. Roy Stacey (Category 2, sampler). This charge was submitted on the May Voucher for Stage I and should not have been resubmitted here. I have deducted this amount from the totals. Corrected totals should be $10,764.91 for the month and $16,099.31 to date.

I'm sorry I didn't catch this until after the voucher was mailed and hope it doesn't cause any trouble.

Sincerely,

Joseph A. Porter

JAP:kt

Box 447

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois
62982

August 13, 1973

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 16 1973

INITIALS	CODE
CAC	120
HK	120

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
Matomic Building
Room 865
1717 H. Street NW
Washington, D. C. 20006

Re: OME-6873 (Fluorspar et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed are copies of the Monthly Voucher and Operator's Monthly Report for Stage II for June, 1973. I would appreciate it if you would let me know of any errors or disallowances.

Sincerely yours,

Joseph A. Porter

JAP:kt
Encl.

FILE COPY

August 7, 1973

Memorandum

To: Robert D. Trace, Geologist

From: Chief, Office of Minerals Exploration

Subject: OME-6573 (Fluorspar et al)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Thank you for Interim Report No. 4 on the subject project.

Joe Porter phoned me on July 26 to report on the results of OME 5 which were essentially what you have reported. He was pleased with the grade of material encountered, and reported that a wedge had been placed in the hole above the mineralized section in order to drill an NX hole through the mineralized zone to obtain material for metallurgical testing. He asked if the contract could be amended to allow OME participation in the cost ($1,500 to $2,000) of this drilling. In view of the as yet unknown cost of drill bits used in Stage I, I suggested waiting until those costs are known before deciding about another amendment.

As you know, budget constraints limited OME participation in this project which probably merits much more help. In the event we have funds available in FY 1974 to support additional drilling (holes 7 and 8, for instance), would you advise favorable consideration of a request for this purpose? It seems that the potential for outlining a very significant resource of fluorspar here merits serious consideration. What is the outlook for developing the deposit for production within the period of royalty obligation (about 14 years remaining on present contract)? If we amend the contract, perhaps we should extend this period to 20 or 25 years from date of contract so as to allow more time for development and mining and return of Government investment through royalty payments on production.

I would appreciate your views and recommendations on this matter. I have not discussed with Porter the possibility of help for more holes since we discussed plans for Amendment No. 1 under which Holes 5 and 6 are being drilled.

Harold Kirkemo
Harold Kirkemo

cc: Region IV
DMF/MR Rdg./OME Rdg./OME Files/MR. Kirkemo

HKirkemo/gpw

July 27, 1973

OME-6873 (Fluorspar et. al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

INTERIM REPORT NO. 4

TO: Harold Kirkemo, Chief
Office of Minerals Exploration
Washington, D. C. 20244

FROM: Robert D. Trace, Geologist
U. S. Geological Survey
Princeton, Kentucky 42445

On July 25, 1973 the writer visited the subject project and examined the mineralized portion of the core from OME 5.

Since the last interim report dated April 30, 1973, OME 4 was bottomed at 2,200 feet (See Porter's May report). According to Porter, "Skyline" assays from 1,928 to 2,058 (130 feet) averaged 10.5percent CaF_2.

OME 5 (for location, see Porter's Application to extend, dated April 12, 1973) was down to 2,375 and will probably bottom around 2,400. This hole appears to have higher grade mineralization than any previous OME hole. Porter estimates as follows:

2025-2055	4-5 percent (CaF_2)
2055-2150	7-8 percent
2150-2168	3 percent plus or minus
2168-2243 (75 feet)	15 percent plus or minus

The best mineralized zone (75' of 15 percent CaF_2) is typical fine "purple breccia". The only pecularity noted is that OME 5 contains more coarse crystals of barite than any previous hole. A possible continuity of "ore" zone problem exists between OME 3 and 5. The best mineralized zone in OME 5 is about 150 feet deeper than the best mineralized zone in OME 3. This could be the result of a 15 degree dip--somewhat <u>un</u>anticipated.

OME 6 has been "rotaried" to 725 feet. The core drill rig from OME 5 will eventually move to OME 6.

July 27, 1973

OME-6873 (Fluorspar et. al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

INTERIM REPORT NO. 4

TO: Harold Kirkemo, Chief
Office of Minerals Exploration
Washington, D. C. 20244

FROM: Robert D. Trace, Geologist
U. S. Geological Survey
Princeton, Kentucky 42445

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OME 6 has been "rotaried" to 725 feet. The core drill rig from OME 5 will eventually move to OME 6.

Robert D Trace

Box 447

Phone (618) 285-6685

Joseph A. Porter
Geologist
Rosiclare, Illinois
62982

July 5, 1973

CERTIFIED COPY
JUL 16 1973

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey
Matomic Building
Room 865
1717 H. Street NW
Washington, D. C. 20006

Re: OME-6873 (Fluorspar et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed are copies of the Monthly Voucher and Operator's Monthly Report for Stage II for May, 1973. I would appreciate it if you would let me know of any errors or disallowances.

Sincerely yours,

Joseph A. Porter

JAP:kt
Encl.

FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

(2)

STAGE II

OPERATOR'S MONTHLY VOUCHER

For Month of May, 1973

Docket No. OME 6373

Contract 14-08-0001 2306

Contract Amount $ 56,000

Gov't. Participation % 35 $ 19,768

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.

Address Sherman & Sterling, 53 Wall St. New York, New York 10005

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, hrs	32	400.00	32	400.00	32	400.00	32	400.00
Rotary, mobil.	½	175.00	½	175.00	½	175.00	½	175.00
Drilling, ft	724	2896.00	724	2896.00	724	2,896.00	724	2,896.00
5⅝" casing, ft	268.5	375.90	268.5	375.90	268.5	375.90	268.5	375.90
Service time, hrs	3.75	168.75	3.75	168.75	3.75	150.00 1/	3.75	150.00
Core Drilling, mobil.	1	1000.00	1	1000.00	0.5	500.00 2/	0.5	500.00
Set up/casing, hrs	31	604.50	31	604.50	31	604.50	31	604.50
Coring NX 0-500	50	292.50	50	292.50	50	200.00 3/	50	200.00
Mud	6	33.00	6	33.00	6	33.00	6	33.00
Category (2)	-	-	-	-				
Category (3)								
Core boxes	5	6.25	5	6.25	--	4/	--	--
		Stage II totals (allowable at 35% Gov't. participation)				5,334.40		5,334.40
		Stage I total (allowable at 50% Gov't. participation)						68,612.29
TOTALS		$ 5,951.90		$ 5,951.90		$ 5,334.40		$ 73,946.69

I certify that the above bill is correct and just and that payment therefor has not been received.

Date July 5, 1973 *Payee Hicks Dome Account

Per Joseph A. Porter Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature Harold Kiteno Chief, OME ~~Field Officer~~ Date 7/19/73

(63) 14X0804

Approved for: $ 1,867.04 (SUBJECT TO AUDIT)

Signature BM7

Date 24 JUL 1973 Vou. No. 04100A

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS
Category (1) 1. Dozing for Hole OME 546. 2. ½ mobilization charge. 3. Due to crooked hole conditions, rotary drilling was terminated at 325'. The hole was cased and coring commenced at the rate of $5.85/ft., the rate quoted for 500' - 1000'. Category (2, 3 & 7) Charges covered on voucher for Stage I, previously submitted.	1/ Allow $150.00, disallow $18.75. Contract rate is $40.00/hr. 2/ Allow $500.00, disallow $500.00. Mobilization only. Balance may be claimed when core drill is demobilized. 3/ Allow $200.00, disallow $92.50. Contract rate for core drilling 0-500 ft. is $4.00/ft. 4/ Disallow $6.25. No invoice furnished. May be reclaimed when invoice is supplied.

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

Operator's Monthly Report

Stage II

May 1973

Both holes OME-5 and OME-6 were started during May.

OME-5 was collared on May 15 with an air rotary drill furnished by DiKor. The hole was drilled to 324 feet. Solid rock was encountered at 117 feet and 5⅝" surface casing was set. Subsequent drilling in solid rock was principally with a 4 7/8" bit on a down hole-hammer. Cuttings return was generally good even though fairly numerous cavities were encountered. Cavities caused crooked hole conditions which in turn caused the drill rods to bind. Because of this the hole was stopped at 324 feet.

Boyles Brothers agreed to attempt to continue the hole even though their bid did not include the 0-500 foot portion of the hole. During the month they were able to advance the hole from 325 feet to 375 feet, a total of 50 feet. They also had difficulty with cavities.

Boyles will charge $5.85/ft to 500 feet. This is the same price as bid for 500 feet to 1000 feet.

DiKor moved to OME-6 on May 21. Solid rock was encountered at 151.5 and 5⅝" casing was set. The hole was drilled to 408 feet using the down-hole-hammer. At this point the main air compressor broke down. The rig was moved out to mount a new compressor.

Holes OME-5 and OME-6 are located as proposed in the application for Stage II.

Respectfully submitted,

Joseph A. Porter, Geologist
P.O. Box 447
Roseclare, IL 62982

Telephone: Area Code 618
Office-532-4184

P. O. Box 389
Carmi, Illinois 62821

In Account With

DiKor

a division of sew-kor, inc.

TO Hicks Dome Project
P.O. Box 506
Rosiclare, Illinois 62982

Attn: Joe Porter

Date 5/31/73

Invoice Number 30-211-1

Delivery Ticket

Lease FSB-1 (OME-5)

TERMS: 30 Days Net.

Part No.	Description	Unit Price	Amount
One-half	Mobilization & demobilization		$ 175.00
Drilled	316'	@ $4.00/ft	1264.00
Casing	117' - 5-1/2"	@ $1.40/ft	163.80
	5% Ill. R.O. Tax on $163.80		8.19
		Total Invoice	$ 1610.99
		Illinois Delivery	

CERTIFIED TRUE COPY

DIAMOND CORE DRILLING
ROTARY DRILLING
GROUTING
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110
Cable: BOYLESCO
Telex: 388-321

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE cable: BOYLESBROS
LIMA, PERU cable: BOYLESCOP
MEXICO CITY, MEXICO telex: 001774546

INVOICE DATE: May 31, 1973
ORDER NUMBER: 33-3
INVOICE NUMBER: 1
CONTRACT: HICKS DOME Rosiclare
TERMS: As per contract
LOCATION: Rosiclare, Ill.

HICKS DOME ACCOUNT
c/o Mr. Joseph Porter
Post Office Box 447
Rosiclare, Illinois 62982

Hole No.	From	To	Footage	Rate	Total
MOBILIZATION					$ 1,000.00
FSP - 1 (OME-5)	Setting up over hole		11 hours	19.50/hr	$ 214.50
	Casing time		20 hours	19.50/hr	390.00
	325	375	50	5.85	292.50
	Mud used		6 sacks	5.50/sk	33.00
				TOTAL	$ 930.00
			TOTAL MAY INVOICE=	$ 1,930.00	

CERTIFIED TRUE COPY

9

Telephone: Area Code 618
Office 382-4184

P. O. Box 389
Carmi, Illinois 62821

In Account With

DiKor

a division of serv-kor, inc.

TO Hicks Dome Project
P.O. Box 506
Rosiclare, Illinois 62982

Attn: Joe Porter

Date 5/31/73

Invoice Number 30-211-2

Delivery Ticket

Lease Hamp #7
(OME-6)

TERMS: 30 Days Net.

Part No.	Description	Unit Price	Amount
Drilled	408'	@ $4.00/ft	$ 1632.00
Company Time	3-3/4 hours	@ $45.00/hr	168.75
Casing	5-1/2"	151.50' @ $1.40/ft	212.10
5% Ill. R.O. Tax on casing			10.61
		Total Invoice	$ 2023.46
		Illinois Delivery	

Work in progress to 5/31/73

CERTIFIED TRUE COPY

Pd 6-18 73

STATEMENT

FROM Larry G. Robinson
Route 1, Herod

May, 19 73

TO Hicks Dome Account c/o Joseph A. Porter
ADDRESS Box 447
CITY Rosiclare
For moving drill & leveling drill site

		32 hrs at	12	50	400	00 (i)
Minus		Trip to get Bolts			- 12	50
					388	50

(ii) Represents actual cost. Item deducted was considered reimbursement for a trip made by us to Marion Ill made to get parts for the Dozer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: Hicks Dome Account
c/o Gilbert Kerlin, Esq.
Shearman & Sterling, 53 Wall St.
New York, New York 10005

Amount Claimed:	Differences (Explained Below)	Amount Approved
$ 5,951.90	$ 617.50	$ 5,334.40 $ 1,867.04 (Govt Part) 35%
Bu. Voucher No.	Payee's Invoice No.	Period
	Docket #6873 Contract #2306	May 1973

EXPLANATION

Category (1) Indepedent Contracts

Service Time		
Claimed 3.75 hr @ 45.00/hr	168.75	
Allowed 3.75 hr @ 40.00/hr	150.00	18.75
Mobilization (Diamond drilling)		
Claimed	1,000.00	
Allowed - mobilization only	500.00	500.00
Diamond drilling		
Claimed 50 ft @ 5.85/ft	292.50	
Allowed 50 ft @ 4.00/ft	200.00	92.50

Category (3) Operating Materials and Supplies

Core Boxes		
Claimed 5 @ 1.25/box	6.25	6.25
Allowed - no supporting invoice	-0-	
		617.50

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

bmf

Branch of Budget and Finance

FORM 9-164[illegible]
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

STAGE II

OPERATOR'S MONTHLY VOUCHER For Month of May, 1973

Operator's Name Hicks Dome Account c/o Gilbert Kerlin, Esq.
Address Shearman & Sterling, 53 Wall St. New York, New York 10005

Docket No. OME- 6873
Contract 14-08-0001 2306
Contract Amount $ 56,480
Gov't. Participation % 35 $ 19,768

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Category (1)		$		$		$		$
Dozing, hrs	32	400.00	32	400.00	32	400.00	32	400.00
Rotary, mobil.	½	175.00	½	175.00	½	175.00	½	175.00
Drilling, ft	724	2896.00	724	2896.00	724	2,896.00	724	2,896.00
5½" casing, ft	268.5	375.90	268.5	375.90	268.5	375.90	268.5	375.90
Service time, hrs	3.75	168.75	3.75	168.75	3.75	150.00	3.75	150.00
Core Drilling, mobil.	1	1000.00	1	1000.00	0.5	500.00	0.5	500.00
Set up/casing, hrs	31	604.50	31	604.50	31	604.50	31	604.50
Coring NX 0-500	50	292.50	50	292.50	50	200.00	50	200.00
Mud	6	33.00	6	33.00	6	33.00	6	33.00
Category (2)	-	-	-	-				
Category (3)								
Core boxes	5	6.25	5	6.25	-	—	—	—
		Stage II totals (allowable at 35% Gov't participation)				5334.40		5,334.40
		Stage I totals (allowable at 50% Gov't participation)						68,612.29
						5334.40		73,946.69
TOTALS		$ 5,951.90		$ 5,951.90		$ ~~5,334.40~~		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date July 5, 1973 *Payee Hicks Dome Account
Joseph A. Porter

Per Joseph A. Porter Title Geologist

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer Date

Approved for: $ (SUBJECT TO AUDIT)

Signature

Date Vou. No.

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
MARKS	REMARKS
Category (1) 1. Dozing for Hole OME 5&6. 2. ½ mobilization charge. 3. Due to crooked hole conditions, rotary drilling was terminated at 325'. The hole was cased and coring commenced at the rate of $5.85/ft., the rate quoted for 500' - 1000'. Category (2, 3 & 7) Charges covered on voucher for Stage I, previously submitted.	1) Allow $150.00, disallow $18.75. Contract rate is $40.00/hr. 2) Allow $500.00, disallow $500.00. Mobilization only. Balance may be claimed when core drill is demobilized. 3) Allow $200.00, disallow $92.50. Contract rate for core drilling 0-500 ft is $4.00/ft. 4) Disallow $6.25. No invoice furnished. May be reclaimed when invoice is supplied.

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

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Box 447

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois

62982

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 12 1973

INITIALS	CODE
HK	120

July 9, 1973

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U. S. Geological Survey
Matomic Building
Room 865
1717 H. Street NW
Washington, D. C. 20006

Re: OME-6873 (Fluorspar et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Would you kindly send a new supply of Form 9-1648, the Operator's Monthly Voucher.

Thank you.

Sincerely,

Joseph A. Porter

JAP:kt

Box 447

Phone (618) 285-6685

Joseph A. Porter

Geologist

Rosiclare, Illinois
62982

July 2, 1973

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 8 1973
INITIALS | CODE
Cal 120
HK 120

Mr. Harold Kirkemo
Chief, Office of Minerals Exploration
U. S. Geological Survey
Matomic Building
Room 865
1717 H Street NW
Washington, D. C. 20006

Re: OME-6873 (Fluorspar, et al.)
Hicks Dome Account
Hicks Dome Property
Hardin County, Illinois

Dear Mr. Kirkemo:

Enclosed are copies of Exhibit C of the contract, signed by Boyles Brothers Drilling Company.

Sincerely,

Joseph A. Porter

JAP:kt
Encl. 2