IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 ~~Room 200~~
Northwest Wing - 2nd floor
- ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
1/17/75	$1,701.69	The State National Bank El Paso, Texas	American Smelting and Refining Company (McFarland Hullinger) (Keystone Mine)	OME-6640 Contract 2259	Royalty

Received in Branch of Financial Management 1/28/75
By Lorraine E. Schlater
Collection Officer

Remarks: (List smelter or mill lot numbers covered by royalties)
Lot 2082 - $873.72
Lot No. 2243 - $827.69

Distribution:
Original & 2 to:
Chief, Br. of Budget & Finance (with checks and one copy of subdocument)
Chief, OME, Washington, D.C.
Abst. of Rem. Ledger
Mr. Hasler chron
OME chron

January 21, 1975
Date Prepared

J. William Hasler
J. William Hasler, Field Officer, Region III, OME

Date Received

Please date, sign and return this copy to OME, Region III, USGS, Federal Center, Northwest Wing 2nd floor, Building 53

June 17, 1974

Crested Butte Silver
Mining, Incorporated
625 E. Madison, Suite 1
Riverton, Wyoming 82501

United States Department of Interior
Geological Survey
12201 Sunrise Valley Drive
Reston, Virginia 22092

Re: OME-6640(Silver)

Gentlemen:

In connection with an annual audit of our books and records, would you please mail directly to our auditor:

Mr. Lloyd R. Myers
Certified Public Accountant
3050 W. 71st Avenue
Westminster, Colorado 80030

the principal balance and accrued interest at May 31, 1974 of OME loan 6640.

Yours truly,

Ken Webber

Kenneth Webber
Assistant Secretary

KW:rla
cc: Lloyd Myers

Accrued interest $23,063.25

Principal balance 77,238.43

Total 100,301.68

July 2, 1974

Re: OME-6640 (Silver)
McFarland and Hullinger
Keystone Mine Property
Gunnison County, Colorado
Contract 2259

Mr. Lloyd R. Myers
Certified Public Accountant
3050 W. 71st Avenue
Westminster, Colorado 80030

Dear Mr. Myers:

This is in reply to Mr. Kenneth Webber's letter of June 17, 1974, requesting the principal balance and accrued interest as of May 31, 1974, on OME-6640. This is information is stated below:

Principal balance	$77,238.43
Accrued interest	23,063.25
Total	$100,301.68

We hope this information will be useful to you.

Sincerely yours,

Gail F. Wiegand
Secretary, Office of
Minerals Exploration

cc:
DRF
MR Rdg.
OME Rdg
OME Files
Mr. Kirkemo

HKirkemo/gpw

IN REPLY REFER TO:

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Building 53 Room 200

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- ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	~~DOCKET &~~ CONTRACT NOS.	PURPOSE
11/30/72	$393.33	The State National Bank El Paso, Texas	McFarland Hullinger Keystone Mine	OME-6640 Contract 2259	Royalty

Received in Branch of ~~Budget~~ Financial Management
and ~~Finance~~ 12/14/72
by Lorraine E. Edelstein
Collection Officer

Remarks: (List smelter or mill lot numbers covered by royalties)

Lot 2497

12/5/72
Date Prepared

J. William Hasler
J. William Hasler, Field Officer,
Region III, OME

Date Received

Distribution:

Original & 2 to:
Chief, Br. of Budget & Finance
(with checks and one copy of subdocument)
Chief, OME, Washington, D.C.
Abst. of Rem. Ledger
Mr. Hasler chron
OME chron

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

11/30/72

BOUGHT OF Crested Butte Mining Co. EL PASO, TEXAS 19
ADDRESS Po Box 37 Crested Butte, Colo SMELTER LOT 2497
SHIPPING POINT Salida, Colo SHIPPERS LOT
NAME OF MINE CLASSIFICATION pb cts
PURCHASE TERMS 4416

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

MIX	ARRIVAL DATE	CAR NUMBER	CAR RR	GROSS WEIGHT	TARE WEIGHT	CONTAINERS NO.	CONTAINERS WEIGHT	WET WEIGHT	% H2O	DRY WEIGHT
260	11-2	55431	DRG					128560	10.0	115704

QUOTATIONS: Silver 1.82925; Lead .14500; Copper .49985

B/L DATE:

RECEIVED DEC 5 - 1972 Denver, Colorado OME Region III

ASSAYS	OZ PER TON GOLD	OZ PER TON SILVER	WET LEAD %	%	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
SMELTER	.01	29.9	60.0	1.44				5.2			.35	.06		.10		
SHIPPER	.02	31.10	60.05	1.73												
UMPIRE		30.62														
METALLICS																
SETTLE	—	30.62	60.025	1.585												

VALUES PER TON

PAYMENT	PAY CONTENT	PRICE	AMOUNT	FREIGHT (FIXED)
GOLD MIN. %				
SILVER, LESS 50 / MIN. 95%	28.139	1.79925	50 63	50 63
1200 LEAD, LESS 30 @ 95%	1111.975	.10947	121 73	38 33
COPPER, LESS 20 @ 97.5% 31.70	11.4075	.39936	4 56	45
GROSS VALUE			176 92	89 41
LESS DEDUCTIONS (NET CHARGE)			27 56	27 56
FREIGHT VALUE			x x x	61 85
NET VALUE			149 36	@ 57.8520 DRY TONS

DEDUCTIONS

	CHARGE	CREDIT
BASE, INCL. LABOR ADJ. *	27 06	
EXCESS VALUE OVER $ ¢ PER UNIT Pb/Cu ± %		
LEAD--COPPER PRICE ESCALATOR		
Subject to Adjustment if required by Presidential Stabilization Order of August 15, 1971.		
ZINC		
As: Sb: Bi: ✓	50	
NET CHARGE	27 56	

LESS FREIGHT: 64.28 WET TONS @ 11.94 P.T. — 55.67 NET TON

LESS SWITCHING: RESETS: REWEIGHS:
660 LBS. ACCT. CU. @ .01 A.P.S.

LESS SAMPLING:
LESS UMPIRE: ROOT & SIMPSON

LESS HAULING:
LESS REPRESENTATION:
LESS ROYALTY: Omega - Lobato 5% NSR
LESS ADVANCE: Mills Contract Hauling
BALANCE DUE SHIPPER/[redacted]
TOTALS Kendall Mills

DEBITS	CREDITS
	8640 77
767 50	
660	
—	
393 33	
7473 34	
8640 77	8640 77

Contract 2259

11/10/72

Kirk:

Here are a couple of copies of a settlement sheet from A S & R Co El Paso working on the concentrator shipping Sept. 1972. OME GCC/O Keystone mine at Crested Butte.

royalty need. 11/6/72

079396

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BUDGET & FINANCE

AMERICAN SMELTING AND REFINING COMPANY

EL PASO SMELTING WORKS

11/6/72

BOUGHT OF [redacted]ted Butte Mng. Co [redacted] EL PASO, TEXAS, 19

ADDRESS P.O. Box 29 Crested Butte, Colo 81224 SMELTER LOT 2215

SHIPPING POINT Salida, Colo SHIPPERS LOT

NAME OF MINE Keystone CLASSIFICATION Pb cts

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE PURCHASE TERMS 4416

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight	Quotations
722 724	9-26	56177	RRC					121800	8.7	111222	Silver 1.7670
											Lead 15000
											Copper 44985
											B/L Date:

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	41.8	51.2	2.57				11.9			.12	.07		.25		
Shipper	.05	45.20	54.30	3.70												
Umpire	.01	43.25	50.90	2.92												
Metallics																
Settle	.01	43.25	51.20	2.92												

Values Per Ton	Payment Pay Content	Payment Price	Payment Amount	Freight (Fixed)
Gold Min. %				
Silver, Less 1. Min. 95 %	40.1375	1.7370	69 72	69 72
Lead, Less 30 @ 95 %	944.30	.11455	108 17	32 63
Copper, Less 20 @ 97.5%	37.44	.39944	14 96	1 48
58.40				
Gross Value			192 85	103 83
Less Deductions (Net Charge)			28 18	28 18
Freight Value			x x x	75 65
Net Value			164 67	@ 55.6110

Deductions	Charge	Credit
Base, Incl. Labor Adj.	26 18	
Excess Value Over $		
$ Per Unit Pb/Cu ± %		
Lead--Copper Price Escalator		
*~~Subject to Adjustment if required by Presidential Stabilization Order of August 15, 1971,~~		
Zinc As: Sb: Bi: ✓	2 00	
Net Charge	28 18	

	Debits	Credits
Net Value		9157 46
Less Freight: 60 91 Wet Tons @ 11.91 F.T. + 2½	743 58	
Less Switching: Resets: 164.50 Reweighs:	4 50	
2082 LBS. ACCT CU @ 01 RPS.	20 82	
Less Sampling:		
Less Umpire: UNION	30 00	
Less Hauling:		
Less Representation:		
Less Royalty: 5% NSR.	417 93	
Less Advance: Omega - 6640 Inc. Anjac + Hullinger		
Balance Due Shipper/Settlor: Key Tone Inc.	7940 63	
Totals	9157 46	9157 46

Contract 2259

NOV 8 - 1972
Denver, Colorado

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AMERICAN SMELTING AND REFINING COMPANY

EL PASO SMELTING WORKS

11/6/72

BOUGHT OF [redacted]ted Butte Mng. Co [redacted] EL PASO, TEXAS, _____ 19____

ADDRESS P.O. Box 39 Crested Butte, Colo 81224 SMELTER LOT 2215

SHIPPING POINT Salida, Colo SHIPPERS LOT

NAME OF MINE Keystone CLASSIFICATION Pb c/s

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE PURCHASE TERMS 4416

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight	Quotations
1024	9-26	56177	UCC					121800	8.7	111222	Silver 1.7370
724											Lead 15000
											Copper 44985

B/L Date:

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	41.8	51.2	2.57				11.9			.12	.07		.25		
Shipper	.05	45.20	54.30	3.10												
Umpire	.01	43.25	50.90	2.92												
Metallics																
Settle	.01	43.25	51.20	2.92												

Values Per Ton	Payment Pay Content	Payment Price	Payment Amount	Freight (Fixed)
Gold Min. %				
Silver, Less 1. Min. 95 %	40.1375	1.7370	69 72	69 72
1024 Lead, Less 30 @ 95 %	944.30	.11455	108 17	32 63
Copper, Less 20 @ 77.5 %	37.44	.39944	14 96	1 48
58.40				
Gross Value			192 85	103 83
Less Deductions (Net Charge)			28 18	28 18
Freight Value			x x x	75 65
Net Value			164 67 @ 55.6110	

Deductions	Charge	Credit
Base, Incl. Labor Adj.	26 18	
Excess Value Over $		
¢ Per Unit Pb/Cu ± %		
Lead--Copper Price Escalator		
*~~Subject to Adjustment is required by Presidential Stabilization Order of August 15, 1971,~~		
Zinc		
As: Sb: Bi: ✓	2 00	
Net Charge	28 18	
69.01 Wet Ton		
Dry Tons		

	Debits	Credits
Net Value		9157 46
Less Freight: 6091 Wet Tons @ 11.91 P.T. + 2½	743 58	
Less Switching: Resets: 16 450 Reweighs:	4 50	
2082 LBS. ACCT CU @ 01 RPS	20 82	
Less Sampling:		
Less Umpire: UNION	30 00	
Less Hauling:		
Less Representation:		
Less Royalty: 5% NSR.	417 93	
Less Advance: Omega 6640 Mc Fadyen & Hullinger		
Balance Due Shipper/~~Consignee~~ Keystone Pa.	7940 63	
Totals	9157 46	9157 46

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Contract 2259

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

IN REPLY REFER TO:

OFFICIAL COPY

- ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
11/6/72	$417.93	State National Bank El Paso, Texas	McFarland Hullinger Keyston Mine	OME-6640 Contract 2259	Royalty

Received in Branch of Budget and Finance
by Lorraine E. Edelston
Collection Officer

Remarks: (List smelter or mill lot numbers covered by royalties)
Lot 2215

Distribution:
✓Original & 2 to:
Chief, Br. of Budget & Finance
(with checks and one copy of subdocument)
Chief, OME, Washington, D.C.
Abst. of Rem. Ledger
Mr. Hasler chron
OME chron

11/9/72
Date Prepared

J. William Hasler
J. William Hasler, Field Officer, Region III, OME

11/13/72
Date Received

AMERICAN SMELTING AND REFINING COMPANY

EL PASO SMELTING WORKS

11/6/72

BOUGHT OF Gested Butte [redacted] Co — EL PASO, TEXAS, [redacted] 19
ADDRESS PO Box 39. Gested Butte, Colo — SMELTER LOT [redacted]2215
SHIPPING POINT Salida, Colo 81224 — SHIPPERS LOT
NAME OF MINE Keystone — CLASSIFICATION Pb cts
PURCHASE TERMS 4416

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight
½ 722	9-26	56179	UPC					121800	8.7	111222
724										

Quotations: Silver 1.7670; Lead 15000; Copper 49985

B/L Date:

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	41.8	51.2	2.57				11.9			.12	.07		.25		
Shipper	.05	45.20	54.30	3.10												
Umpire	.01	43.25	50.90	2.92												
Metallics																
Settle	.01	43.25	51.20	2.92												

Values Per Ton

Payment	Pay Content	Price	Amount	Freight (Fixed)
Gold Min. %				
Silver, Less 1 Min. 95 %	40.1375	1.7370	69 72	69 72
Lead, Less 30 @ 95 % (1024)	944.30	.11455	108 17	32 63
Copper, Less 20 @ 97.5 %	37.44	.39944	14 96	1 48
58.40				
Gross Value			192 85	103 83
Less Deductions (Net Charge)			28 18	28 18
Freight Value			x x x	75 65
Net Value			164 67	@ 55.6110

Deductions	Charge	Credit
Base, Incl. Labor Adj.	26 18	
Excess Value Over $		
¢ Per Unit Pb/Cu ± %		
Lead--Copper Price Escalator		
~~*Subject to Adjustment if required by Presidential Stabilization Order of August 15, 1971,~~		
Zinc		
As: Sb: Bi: ✓	2 00	
Net Charge	28 18	
-69.01 Wet Ton		
Dry Tons		9 57 46

Debits		Credits	
743 58			
4 50			
20 82			
30 00			
417 93			
7940 63			
9 57 46		9 57 46	

Less Freight: 60.91 — Wet Tons @ 11.91 — P.T. + 2½
Less Switching: — Resets: 16450 — Reweighs:
2082 LBS. ACCT CU @ 01 APS.
Less Sampling:
Less Umpire: UNION
Less Hauling:
Less Representation:
Less Royalty: 5% NSR.
Less Advance:
Balance Due Shipper/Consignor:
Totals

Contract 2259

RECEIVED NOV 8 - 1972 Denver, Colorado

IN REPLY REFER TO:

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FEDERAL CENTER, DENVER, COLORADO 80225

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Building 53 Room 200

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- ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
9/7/72	$265.22	State National Bank El Paso, Texas	McFarland Hullinger Keystone Mine	OME-6640 Contract 2259	Royalty

Remarks: (List smelter or mill lot numbers covered by royalties)

Lot 1917 -

Received in Branch of Budget and Finance 9/21/72
by Lorraine R. Eckenstein, Collection Officer

9/18/72
Date Prepared

William Hasler
J. William Hasler, Field Officer,
Region III, OME

Date Received

Distribution:
Original & 2 to:
Chief, Br. of Budget & Finance
(with checks and one copy of subdocument)
Chief, OME, Washington, D.C
Abst. of Rem. Ledger
Mr. Hasler chron
OME chron

AMERICAN SMELTING AND REFINING COMPANY

EL PASO SMELTING WORKS

BOUGHT OF Crested Butte Silver Mng. Inc — EL PASO, TEXAS, 9/7/72 19

ADDRESS PO Box 37 Crested Butte, Colo — SMELTER LOT 1917.

SHIPPING POINT Salida, Colo 81201 — SHIPPERS LOT

NAME OF MINE Keystone — CLASSIFICATION pb c/s

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS #416

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight	Quotations
X 589	8-19	55539.	DRG.					111240.	10.1	100005	Silver 1.8654
642											Lead .15500
											Copper .49985

B/L Date: 8-10-72

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	32.0	35.80	3.05				16.1			.45	.30		.14		
Shipper	.035	32.50	37.50	3.20												
Umpire	.02		36.11													
Metallics																
Settle	.02	32.25	36.11	3.125												

Values Per Ton

Payment	Pay Content	Price	Amount	Freight (Fixed)
Gold .02 Min. 92.5	—			
Silver, Less 1 Min. 95%	29.6875	1.8354	54 49	
772.15 Lead, Less 30 @ 95%	657.59	11955	78 61	
Copper, Less 20 @ 97.5	41.4375	.39944	16 55	
62.50				
Gross Value			149 65	
Less Deductions (Net Charge)			28 73	
Freight Value			x x x	
Net Value			120 92 @ 50.0025	

Deductions	Charge	Credit
Base, Incl. Labor Adj. *	27 83	
Excess Value Over $ ¢ per Unit Pb/Cu ± %		
Lead--Copper Price Escalator		
* Subject to Adjustment if required by Presidential Stabilization Order of August 15, 1971.		
Zinc		
As: Sb: Bi: ✓		90
Net Charge	28 73	

	Wet Ton / Dry Tons	Debits	Credits
Net Value			6046 30
Less Freight: 6000 Wet Tons @ 11.37 P.T. + 2½%		699 26	
Less Switching: Resets: Reweighs: 2072 LBS. ACCT. CU. @ .01 A.P.S.		20 72	
Less Sampling: MIN 120.00			
Less Umpire: ROOT & SIMPSON		22 00	
Less Hauling:			
Less Representation:			
Less Royalty: 5% OME 6640 Contract 2259		265 22	
Less Advance:			
Balance Due Shipper/Smelter		5039 10	
Totals		6046 30	6046 30

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DEPARTMENT OF [redacted]

GEOLOGICAL SURVEY

FEDERAL CENTER DENVER COLORADO 80225

Office of Minerals Exploration

Building 53 Room 200

- ABSTRACT OF REMITTANCES -

14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
2/27/70	$162.40	Continental Bank & Trust Co., Salt Lake City, Utah	United Park City Mines Co.	OME-6074 Cont. 2110	Royalty
3/4/70	$507.31	The State National Bank El Paso, Texas	McFarland & Bullinger Keystone Mine	OME 6640 Cont. 2259	Royalty
3/6/70	$149.45	First National Bank of Amarillo, Amarillo, Texas	McFarland & Bullinger Keystone Mine	OME 6640 Cont. 2259	Royalty
3/6/70	$149.96	Continental Bank & Trust Co., Salt Lake City, Utah	United Park City Mines Co.	OME-6074 Cont. 2110	Royalty
2/26/70	$3,867.47	Morgan Guaranty Trust Co. of New York, N.Y. 15, N.Y.	Homestake Mining Co. Bulldog Mountain	OME-6288 Cont. 2166	Royalty
3/13/70	$2,464.30	The State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME 6288 Cont. 2166	Royalty
3/13/70	$478.02	The State National Bank El Paso, Texas	McFarland & Bullinger Keystone Mine	OME 6640 Cont. 2259	Royalty
3/16/70	$333.31	The First National Bank of Amarillo, Amarillo, Tex.	McFarland & Bullinger Keystone Mine	OME 6640 Cont. 2259	Royalty
3/17/70	$3192.84	Morgan Guaranty Trust Company of New York, New York 15, New York	Homestake Mining Co. Bulldog Mountain	OME-6288 Cont. 2166	Royalty
3/19/70	$574.38	The State National Bank El Paso, Texas	McFarland & Bullinger Keystone Mine	OME 6640 Cont. 2259	Royalty
3/20/70	$ 70.92	Continental Bank & Trust Co., Salt Lake City, Utah	United Park City Mines Company	OME 6074 Cont. 2110	Royalty
3/20/70	$2,279.32	The State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME-6288 Cont. 2166	Royalty

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6074: Mine Lot: Envy-04 11, Smelter Lot 4357
OME-6640: Lot No. 186
OME-6640: Lot No. 3
OME-6074: Mine Lot: Envy-04 11, Smelter Lot 4375

March 24, 1970
Date Prepared

J. William Hasler, Field Officer
Region III, OME

Date Received

OME-6288: Lot No. 218
OME-6288: Lot No. 470
OME-6640: Lot No. 476
OME-6640: Lot No. 3 thru 4

OME-6288 Lot No. 252
OME-6640 Lot No. 39[illegible]
OME-6074 Mine Lot Envy-04-1[illegible], Smelter Lot. 4379
OME-6288 Lot No. 40[illegible]

Distribution:

Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C.
Abst. of Rem. Ledger
Hasler chron
OME chron

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

3/4/70

BOUGHT OF KEYSTONE MINES CO.
ADDRESS ~~P. O. BOX 239, TOOELE, UTAH 84074~~
SHIPPING POINT SALIDA, COLO.
NAME OF MINE KEYSTONE

EL PASO, TEXAS, 19
SMELTER LOT 186.
SHIPPERS LOT 18
CLASSIFICATION Pb. Cu.
PURCHASE TERMS EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight
429	7/21	22259	MP					108200	8.3	99219

QUOTATIONS
Silver 1.889
Lead .1650
Copper .55912
Au 34.878
Dec Pb .16026
Dec Zn .1550
B/L Date: 1-16

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	37.0	51.2	4.70							.26	.18		.12		
Shipper	.02	37.88	52.30	4.86												
Umpire	.02	37.15	52.25													
Metallics																
Settle	.02	37.15	52.25	4.78												

Buyer and Producer Contract

Values Per Ton

Payment		Pay Content	Price	Amount		Freight (Fixed)	
Gold	Min. 94%	.0188	34.878		66		66
Silver, Less 1.643	Min. 95%	35.2925	1.874	66	14	66	14
Lead, Less	20@90%	922.50	.13968	128	85	41	22
Copper, Less 0.5 lb	15@95%	76.57	.48244	36	94	4	85
Gross Value				232	59	112	87
Less Deductions (Net Charge)				16	93	13	43
Freight Value				x x	x	99	44
Net Value				215	66	@ 49.6095	

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	16	93	16	93
Excess Value Over $ ¢ per Unit Pb/Cu ± %				
Lead--~~Copper~~ Price Escalator			-3	50
Zinc				
As: Sb: Bi:				
Net Charge	16	93	13	43

= 91.19 Wet Ton
Dry Tons

	Debits		Credits	
Less Freight: 54.10 Wet Tons @ 10.03 P.T.	542	62	10698	78
Less Switching: Resets: Reweighs:				
Less Sampling:				
Less Umpire: Crisman & Nichols	10	—		
Gen Property Tax 1.5% NSR	147	32		
Less Hauling: 54.1 wt @ 6.00 (Earlene & Hallinger)	324	60		
Less Representation:				
Less Royalty: 13.5269% NSR	1328	46		
Royalty 5% Freight Treatment & Assay (OME)	507	31		
Less Advance: 2/4/70	5000	—		
Balance Due Shipper/~~Smelter~~	2838	47		
Totals	10698	78	10698	78

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER TOSCO MINES CORPORATION LOT NO. 3 ASARCO NO.

ADDRESS 18200 WEST HIGHWAY 72, GOLDEN, COLORADO 80401 MONTH MAR 1970

CLASS ZINC CONCT. MINE LOT 25 MINE SHIPPED FROM CRESTED BUTTE, COLORADO

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	0.001	2.12	0.45	0.80	50.20	11.50	0.70					
SHIPPER	0.005	2.55	1.00	1.05	50.75							
UMPIRE C&N				1.03	50.70							
SETTLEMENT	0.003	2.335	0.725	1.03	50.70	11.50	0.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
2-3	2-9	1679	GN	78884	121,480	10.9	108,239	526.01
				TOTAL		13,241		

Ore 6640 Contract 2259
McFarland & Hullinger
Tooele, Utah

PAYMENTS:	
GOLD 75.2% @ 35.005	—
SILVER 80% @1.882(1.897-.015) -1.5Units	3.52
LEAD 65% @.1415(.165-.0235)	—
COPPER 65% @.48474(55974-.075)	6.49
ZINC 85% @.1489(.155-.0061)	127.16
DEDUCTIONS:	
IRON AND MANGANESE	2.35
BASE CHARGE	50.00
ZINC PRICE ADJUSTMENT Zn @ 10.00	5.50
LABOR ADJUSTMENT	13.77
FUEL ADJUSTMENT	.60
NET VALUE PER TON	64.95

QUOTATIONS DATE Feb 9th -13th, 1970
GOLD 35.005 SILVER 1.89700 LEAD .16500
COPPER .55974 ZINC .15500

LABOR RATE $3.637 FUEL RATE $ .175

VALUE ORE F.O.B Amarillo, Texas

54.1195 TONS @ 64.95	3	515	06
FREIGHT VALUATION ____ RATE 8.66		526	01
Trucking @ 6.00 per ton		364	44
UMPIRE			
PROVISIONAL PAYMENT			
Colorado Tax @ 1.5%		39	37
ROYALTY 5 % TO OME		149	45
Royalty 14.00% to ASARCO		367	45
TOTAL DUE SHIPPER	2	068	34

Gas Contract Price JAN '70 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation: 1.5
Fuel Adjustment 1.5 @ .40 = .60
Average Hourly Labor Cost JAN '70 3.637
Average Hourly Labor Cost Per Contract 2.719
Variation: .918
Labor Adjustment .918 @ .15= $13.77

COPIES TO: (16)

Tosco Mines Corporation
18200 West Highway 72
Golden, Colorado 80401 (3 w/check)

Tosco Mines Corporation
P.O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P.O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C.J. Roberts (1)
File (4)

CORRECT: RJC CORRECT: RGW

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

3/13/70

BOUGHT OF: KEYSTONE MINES CO.
ADDRESS: P. O. BOX 238, TOOELE, UTAH 84074
SHIPPING POINT: SALIDA, COLO.
NAME OF MINE: KEYSTONE

EL PASO, TEXAS, 19
SMELTER LOT: 478.
SHIPPERS LOT: 21
CLASSIFICATION: Pb. Cu.
PURCHASE TERMS: EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

ONE Region III RECEIVED MAR 18 1970 Denver, Colorado

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight	Quotations
471	2-16	602730	MP.					100080	8.8	91273	Silver 1.881
											Lead .1650
											Copper .55974
											Au 34.978
											Jan Zn .1550
											Jan Pb .1650
											B/L Date: 2-9

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.015	45.2	43.6	6.00							.80	.46		.14		
Shipper	.025	45.67	44.0	6.17												
Umpire																
Metallics																
Settle	.02	45.435	43.80	6.085												

Product and Tonnage of Company

Values Per Ton

Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. 90%	.0188	34.978		66		66
Silver, Less Min. 96%	43.16325	1.866	80	54	80	54
Lead, Less 2c @ 90%	770.4	.13968	107	61	34	42
Copper, Less 15 @ 95%	101.365	.48306	48	97	6	42
121.7						
Gross Value			237	78	122	04
Less Deductions (Net Charge)			17	29	13	79
Freight Value			x x	x	108	25
Net Value			220	49	@ 45.6365	

= 98.72 Wet Ton
Dry Tons

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	29	17	29
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead--~~Copper~~ Price Escalator			- 3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	29	13	79

	Debits		Credits	
Net Value			10062	39
Less Freight: 50.04 Wet Tons @ 10.03 P.T.	501	90		
Less Switching: Resets: Reweighs:				
Less Sampling: Pms -6640 Contract 22.59				
Less Umpire: Mc Farland & Hullinger				
Gen Revenue Tax 1.5% NSR	138	90		
Less Hauling: 50.04 wt @ 6.00 (McFarland & Hullinger)	300	24		
Less Representation: Keystone Mines				
Less Royalty: 14% NSR	1296	44		
Royalty 5% Freight, Treatment & Assaying (OME)	478	02		
Less Advance: 2/26/70	5800	00		
Balance Due Shipper/~~Smelter~~	1546	89		
Totals	10062	39	10062	39

RECEIVED
MAR 1 8 1970

AMA-47

CADMIUM PAYMENT FOR FEBRUARY, 1970

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER TOSCO MINES CORPORATION LOT NO. 3 Thru 4 ASARCO NO.

ADDRESS 18200 West Highway 72 Golden, Colorado 80401 MONTH MAR - - 1970

CLASS Zinc Concentrates MINE LOT MINE SHIPPED FROM Crested Butte, Colorado

OME Region III RECEIVED MAR 18 1970 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO								.27				
SHIPPER	Frederick & Jurgens Corp											
UMPIRE												
SETTLEMENT												

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
[illegible]3	2-9-70						54.1195	Dry Tons
4	2-18/20-70						98.4025	" "
OME - 6640 Contract 2259								
Mc Farland & Hullinger								
Keystone Mine								
			TOTAL				152.5220	Dry Tons

PAYMENTS:

.27% = 5.40 Pounds Cadmium x
40% = 2.16 Pounds Cadmium x
152.5220 Dry Tons = 329 Pounds
Pay Cadmium x $3.25 Per Pound
= $1,069.25

DEDUCTIONS:

IRON AND MANGANESE
BASE CHARGE
ZINC PRICE ADJUSTMENT
LABOR ADJUSTMENT
FUEL ADJUSTMENT
NET VALUE PER TON

QUOTATIONS DATE FEBRUARY, 1970
GOLD SILVER LEAD
COPPER ZINC
Cadmium $4.00 - $.75 = $3.25 Per Pound
LABOR RATE $ FUEL RATE $
VALUE ORE F.O.B. Amarillo, Texas

152.5220 TONS @	1,069.25	
FREIGHT VALUATION ____ RATE ____		
UMPIRE		
PROVISIONAL PAYMENT		
Colorado Tax 1.5%	16.04	
ROYALTY 5 % TO OME	53.46	
Royalty 14% To Asarco	149.70	
TOTAL DUE SHIPPER	850.05	

COPIES TO: (16)

Keystone Mines Company
18200 West Highway 72
Golden, Colorado 80401 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1)

U. S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1)

Mr. C. J. Roberts (1)

File (4)

CORRECT: RJC

CORRECT: RGW

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER TOSCO MINES CORPORATION LOT NO. 4 ASARCO NO.

ADDRESS 18200 WEST HIGHWAY 72, GOLDEN, COLORADO 80401 MONTH MAR 1970

CLASS ZINC CONCT. MINE LOT 26-27 MINE SHIPPED FROM CRESTED BUTTE, COLORADO

MAR 18 1970 Denver Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	C			
ASARCO	0.001	2.20	0.50	0.90	50.10	11.20	0.80					
SHIPPER	0.005	2.73	0.90	1.01	51.20							
UMPIRE R&S		2.517		1.00	51.23							
SETTLEMENT	0.003	2.517	0.70	1.00	51.20	11.20	0.80					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
[illegible]11	2-18	1679	SP	161081	95,400	10.6	85,288	
2-16	2-20	1679	DRGW	55365	125,300	11.0	111,517	
Omer Colo. Corp. 2259 Bertrand								
McFarland Hullinger								
Keystone Mines								
				TOTAL	220,700	23,895	196,805	

PAYMENTS:	
GOLD 75.2% @ 34.978	—
SILVER 80% @ 1.866(1.881-.015) -1.5 Units	3.76
LEAD 65% @.1415(.165-.0235)	—
COPPER 65% @ .48474(55974-.075)	6.30
ZINC 85% @ .1489(.155-.0061)	128.65
DEDUCTIONS:	
IRON AND MANGANESE	2.25
BASE CHARGE	50.00
ZINC PRICE ADJUSTMENT Zn @ 10.00	5.50
LABOR ADJUSTMENT	13.77
FUEL ADJUSTMENT	.60
NET VALUE PER TON	66.59

QUOTATIONS DATE Feb. 16th-20th, 1970

GOLD 34.978 SILVER 1.88100 LEAD .16500

COPPER .55974 ZINC .15500

LABOR RATE $ 3.637 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

98.4025 TONS @ 66.59	6	552	62
FREIGHT VALUATION ____ RATE 8.66		955	63
Trucking @ 6.00 per ton		662	10
UMPIRE			
PROVISIONAL PAYMENT			
Colorado Tax @ 1.5%		74	02
ROYALTY 5 % TO OME		279	85
Royalty 14.00% to ASARCO		690	88
TOTAL DUE SHIPPER	3	890	14

Gas Contract Price JAN '70 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation; 1.5
Fuel Adjustment 1.5 @ .40 .60
Average Hourly Labor Cost JAN '70 3.637
Average Hourly Labor Cost Per Contract 2.719
Variation: .918
Labor Adjustment .918 @ .15 $ 13.77

COPIES TO: (16)

Keystone Mines Company
18200 West Highway 72
Golden, Colorado 80401 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

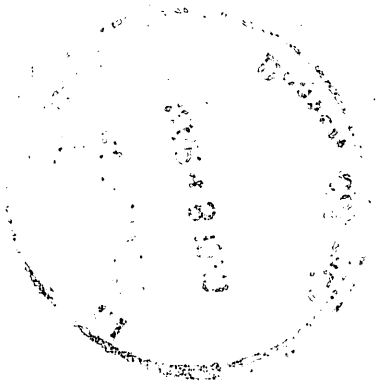
U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File

CORRECT: RJC CORRECT: RGW



AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

BOUGHT OF: KEYSTONE MINES CO.
ADDRESS: P.O. BOX 188, TOOELE, UTAH 84074
SHIPPING POINT: MONICA, COLO.
NAME OF MINE: KEYSTONE

EL PASO, TEXAS, 19
SMELTER LOT: 390.
SHIPPERS LOT: 20
CLASSIFICATION: Pb. Cu.
PURCHASE TERMS: EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

OME Region
RECEIVED
MAR 23 1970
Denver, Colorado

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight
460	2-10.	55212.	DRG.					134600.	8.4	123294

QUOTATIONS
Silver 1.897
Lead 16.50
Copper 55974
Au 35.005
Jan 2nd 1550
Jan Pb. 1650
B/L Date: 2-5

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.015	34.2	50.9	3.42							.20	.20		.10		
Shipper	.015	35.21	52.20	3.70												
Umpire		35.975	50.80													
Metallics																
Settle	.015	35.21	50.90	3.56												

Values Per Ton

Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. 94 %	.0141	35.005		49		49
Silver, Less Min. 95 %	33.4495	1.882	62	95	62	95
Lead, Less 20 @ 90 %	898.2	.13968	125	46	40	13
Copper, Less 15 @ 95 %	53.39	.48306	25	79	3	38
71.2						
Gross Value			214	69	106	95
Less Deductions (Net Charge)			17	29	13	79
Freight Value			x x	x	93	16
Net Value			197	40	@ 61.647	

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	29	17	29
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead--~~Copper~~ Price Escalator	—		— 3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	29	13	79
= 85.33 Wet Ton				
Dry Tons			12169	12

	Debits		Credits	
Less Freight: 67.30 Wet Tons @ 10.03 P.T.	675	02		
Less Switching: Resets: Reweighs:				
Less Sampling: Commercial Analytical Lab.	6	50		
Less Umpire:				
Gen. Property Tax 1.5% NSR.	166	26		
Less Hauling: 67.30 wt @ 6.00 (McFarland & Hullinger)	403	80		
Less Representation:				
Less Royalty: 14% NSR	1551	73		
" " 5% Freight, Treatment & Assaying (Lone)	1571	38		
Less Advance: 2/14	6500	—		
Balance Due Shipper/~~Smelter~~	2291	43		
Totals	12169	12	12169	12

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

6640

OFFICIAL COPY
O. M. E.
RECEIVED
MAR 3 1970
INITIALS | CODE
zla | 120
~~120 MW~~
HK | 120
120

- ABSTRACT OF REMITTANCES -

14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
1/28/70	$929.91	State National Bank El Paso, Texas	McFarland & Hullinger Keystone Mine	OME-6640 Contract 2259	Royalty
1/30/70	$117.74	Continental Bank & Trust Company, SAlt Lake City, U.	United Park City Mines Company	OME-6074 Contract 2110	Royalty
2/3/70	$1,875.54	State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
2/13/70	$ 62.89	First National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger Keystone Mine	OME-6440 Contract 2259	Royalty
2/16/70	$4,886.76	Morgan Guaranty Trust Co. of New York, New York 15, N. Y.	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
2/23/70	$ 529.66	First National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger Keystone Mine	OME-6640 Contract 2259	Royalty
2/20/70	$ 156.92	Continental Bank & Trust Co. Salt Lake City, Utah	United Park City Mines Company	OME-6074 Contract 2110	Royalty
2/19/70	$ 589.07	State National Bank El Paso, Texas	McFarland & Hullinger Keystone Mine	OME-6640 Contract 2259	Royalty

Received in Branch of Budget and Finance 3/2/70
by Lorraine E. Edwards
Collection Officer

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6640: Lot No. 3546
OME-6074: Mine Lot: Envy-OME-8
OME-6288: Lot No. 3584
OME-6640: Lot No. 1 & 2
OME-6288: Lots 120 & 121
OME-6640: Lot No. 2
OME-6074: Mine Lot Envy-OME-9
OME-6640: Lot No. 269

2/27/70
Date Prepared

J. William Hasler
J. William Hasler, Field Officer
Region III, OME

Date Received

Distribution:

Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

037846

RECEIVED
U.S. GEOLOGICAL SURVEY
MAR 2 3 42 PM '70
BUDGET & FINANCE

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

1/27/70

BOUGHT OF: KEYSTONE MINES CO.
ADDRESS: P. O. BOX 728, TOOELE, UTAH 84074
SHIPPING POINT: SALIDA, COLO.
NAME OF MINE: KEYSTONE

EL PASO, TEXAS, 19
SMELTER LOT: 3546.
SHIPPERS LOT: 17
CLASSIFICATION: Pb Cu.
PURCHASE TERMS: EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

OME Region III RECEIVED JAN 28 1969 Denver, Colorado

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight
834	1/26	56117	DRG.					195260.	8.9	177882

QUOTATIONS
Silver 1.78233
Lead .1650
Copper .52138
Au 35.145
NOV Pb .15588
NOV Zn 1550
B/L Date: 12/20

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	44.8	40.1	7.56				6.6			.40	.12		.14		
Shipper	.022	46.05	41.20	7.91	Budget Copy											
Umpire	.02	46.49	40.38	7.90												
Metallics																
Settle	.02	46.05	40.38	7.90												

Values Per Ton

Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. 94 %	.0188	35.145		66		66
Silver, Less Min. 95 %	43.7475	1.76733	77	32	77	32
Lead, Less 20 @ 90 % (287.6)	708.84	.13968	99	01	31	67
Copper, Less 15 @ 95 %	135.85	.44470	60	41	8	60
158						
Gross Value			237	40	118	25
Less Deductions (Net Charge)			17	21	13	71
Freight Value			x x	x	104	54
Net Value			220	19	@ 88.941	

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	21	17	21
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead-~~Copper~~ Price Escalator			-3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	21	13	71

=95.24 Wet Ton
Dry Tons

	Debits		Credits	
Less Freight: 97.63 Wet Tons @ 10.03 P.T.	979	23		
Less Switching: Resets: Reweighs:				
Less Sampling:				
Less Umpire: American analytical Lab	6	50		
Less Hauling: 97.63 wt @ 6.00 (McFarland & Hullinger)	585	78		
Less Representation:				
Less Royalty: 13.088 % NSR	2357	46		
Gen Prop Tax 1.5% NSR	270	19		
Less Advance: 1/9	11200	—		
Royalty 5% Freight, Treatment & Assaying (OME)	929	91		
Balance Due Shipper/~~Smelter~~	3254	85		
Totals	19583	92	19583	92

AMA-47 CADMIUM PAYMENT FOR JANUARY, 1970

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER TOSCO MINES CORPORATION LOT NO. 1 & 2 ASARCO NO.

ADDRESS 18200 West Highway 72 Golden, Colorado MONTH FEB 1970

CLASS Zinc Concentrates MINE LOT MINE SHIPPED FROM Crested Butte, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO								.27				
SHIPPER					Results of Assays							
UMPIRE								Assay				
SETTLEMENT								.27				

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
1	1-19/21						120.9040	Dry Tons
2	1-27						58.2440	" "
Ome - 6640			Contract 2259					
	McFarland & Hullinger							
	Kustom Mill							
TOTAL							179.1480	Dry Tons

PAYMENTS:

~~GOLD~~ .27% = 5.40 Pounds Cadmium x

~~SILVER~~ 40% = 2.16 Pounds Cadmium x

~~LEAD~~ 179.1480 Dry Tons = 387 Pounds

~~COPPER~~ Pay Cadmium x $3.25 Per Pound

~~ZINC~~ = $1,257.75

DEDUCTIONS:

IRON AND MANGANESE

BASE CHARGE

ZINC PRICE ADJUSTMENT

LABOR ADJUSTMENT

FUEL ADJUSTMENT

NET VALUE PER TON

QUOTATIONS DATE JANUARY, 1970

GOLD SILVER LEAD

COPPER ZINC

Cadmium $4.00 - $.75 = $3.25 Per Pound

LABOR RATE $ FUEL RATE $

VALUE ORE F.O.B. Amarillo, Texas

179.1480 TONS @ 1,257.75

FREIGHT VALUATION _____ RATE _____

UMPIRE

PROVISIONAL PAYMENT

Colorado Tax 1.5% 18.87

ROYALTY 5 % TO OME 62.89

Royalty 13.526% To Asarco 170.12

TOTAL DUE SHIPPER 1,005.87

COPIES TO: (16)

Tosco Mines Corporation
18200 West Highway 72
Golden, Colorado 80401 (3 w/check)

Tosco Mines Corporation
P.O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P.O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1)

Mr. C.J. Roberts (1)

File (4)

OME Region III RECEIVED FEB 16 1969 Denver, Colorado

CORRECT: RJC

CORRECT: RGW

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER TOSCO MINES CORPORATION LOT NO. 2 ASARCO NO.

ADDRESS 18200 WEST HIGHWAY 72, GOLDEN, COLORADO 80401 MONTH FEB 1970

CLASS ZINC CONCT. MINE LOT 24 MINE SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region RECEIVED FEB 24 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl		
ASARCO	0.001	2.52	0.80	1.08	50.00	11.40	0.70				
SHIPPER	0.005	2.95	1.20	1.15	51.00						
UMPIRE R&S					51.41						
SETTLEMENT	0.003	2.735	1.00	1.15	51.00	11.40	0.70				

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
1-22	1-27	1676	MP	630048	130,300	10.6	116,488	564.20
OME - 6640 Contract 2259								
McFarland & Hullinger								
Keystone Mines								
					Budget & Finance Copy			
TOTAL						13812		

PAYMENTS:	
GOLD 75.2% @ 34.994	—
SILVER 80% @ 1.887(1.902-.015)	4.13
-1.5 Units LEAD 65% @ .1415(.165-.0235)	—
COPPER 65% @ .48535(56035-.075)	7.04
ZINC 85% @ .1489(.155-.0061)	128.05
DEDUCTIONS:	
IRON AND MANGANESE	2.30
BASE CHARGE	50.00
ZINC PRICE ADJUSTMENT Zn @ 10.00	5.50
LABOR ADJUSTMENT	10.35
FUEL ADJUSTMENT	.60
NET VALUE PER TON	70.47

QUOTATIONS DATE Jan 26th-30th, 1970		
GOLD 34.994 SILVER 1.90200 LEAD .16500		
COPPER .56035 ZINC .15500		
LABOR RATE $ 3.409 FUEL RATE $ .175		
VALUE ORE F.O.B. Amarillo, Texas		
58.2440 TONS @ 70.47	4104	45
FREIGHT VALUATION ____ RATE 8.66	564	20
Trucking @ 6.00 Per ton	390	90
UMPIRE		
PROVISIONAL PAYMENT		
Colorado Tax @ 1.5%	47	24
ROYALTY 5% TO OME	177	01
Royalty 13.526% to ASARCO	425	98
TOTAL DUE SHIPPER	2499	12

Ore Contract Price DEC '69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation: 1.5
Fuel Adjustment 1.5 @ .40 = .60
Average Hourly Labor Cost DEC '69 3.409
Average Hourly Labor Cost Per Contract 2.719
Variation: .690
Labor Adjustment .690 @ .15 = 10.35

COPIES TO: (16)

Tosco Mines Corporation
18200 West Highway 72
Golden, Colorado 80401 (3 w/check)

Tosco Mines Corporation
P.O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P.O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C.J. Roberts (1)
File (4)

CORRECT: RJC CORRECT: RGW

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO. _____

SHIPPER TOSCO MINES CORPORATION LOT NO. 1 ASARCO NO.

ADDRESS 18200 WEST HIGHWAY 72, GOLDEN, COLORADO 80401 MONTH FEB 1970

CLASS ZINC CONCT. MINE LOT 22-23 MINE SHIPPED FROM

OME Rec'd
RECEIVED
FEB 24 1969
Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	0.001	2.59	0.40	1.05	50.40	11.20	0.70					
SHIPPER	0.005	4.43	0.80	0.51	51.13							
UMPIRE C&N		2.597		1.12	50.45							
SETTLEMENT	0.003	2.597	0.60	1.05	50.45	11.20	0.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
1-14	1-19	1667	MP	610741	135,000	10.3	121,095	584.55
1-15	1-21	1606	DRGW	55533	135,480	10.9	120,713	586.63
				Freight on Summary				
					Total			
OME-6640 Contract 2259								
McFarland & Hullinger								
Keystone Mine				TOTAL	270,480	28,672	241,808	1171.18

Gas Contract Price DEC '69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation: 1.5
Fuel Adjustment 1.5 @ .40 = .60
Average Hourly Labor Cost DEC '69 3.409
Average Hourly Labor Cost Per Contract 2.719
Variation: .690
Labor Adjustment .690 @ .15 = 10.35

COPIES TO: (16)

Tosco Mines Corporation
18200 West Highway 72
Golden, Colorado 80401 (3 w/check)

Tosco Mines Corporation
P.O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P.O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C.J. Roberts (1)
File (4)

PAYMENTS:	
GOLD 75.2% @ 34.878	—
SILVER 80% @ 1.874(1.889-.015) -1.5 Units	3.89
LEAD 65% @ .1415(.165-.0235)	—
COPPER 65% @ .48412(55912-.075)	6.61
ZINC 85% @ .1489(.155-.0061)	126.42
DEDUCTIONS:	
IRON AND MANGANESE	2.20
BASE CHARGE Zn @ 10.00	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	10.35
FUEL ADJUSTMENT	.60
NET VALUE PER TON	68.27

QUOTATIONS DATE January 19th-23rd, 1970
GOLD 34.878 SILVER 1.8890 LEAD .16500
COPPER .55912 ZINC .15500

LABOR RATE $ 3.409 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

120.9040 TONS @ 68.27	8254	12
FREIGHT VALUATION _____ RATE 8.66	1,171	18
Trucking @ 6.00 per ton	811	44
UMPIRE Ag, Cu, Zn	30	00
PROVISIONAL PAYMENT		
Colorado Tax @ 1.5%	93	62
ROYALTY 5 % TO OME	352	65
Royalty 13.526% to ASARCO	844	23
TOTAL DUE SHIPPER	4951	00

CORRECT: RJC

CORRECT: RGW

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

2/19/70

BOUGHT OF: KEYSTONE MINES CO.
ADDRESS: [illegible] ES, TOOELE, UTAH 84074
SHIPPING POINT: [illegible]LSA, COLO.
NAME OF MINE: KEYSTONE

EL PASO, TEXAS, 19
SMELTER LOT: 269.
SHIPPERS LOT: 19
CLASSIFICATION: Pb. Cts.
PURCHASE TERMS: EP 967

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers Weight	Wet Weight	% H2O	Dry Weight	Quotations
437	1/29,	613140.	MP.				133280.	9.4	120752	Silver 1.902
										Lead .1650
										Copper .56035
										Au. 34.994
										Del. Pb .16026
										Del. Zn .1550
										B/L Date: 1-30

ORE Receiving
RECEIVED
FEB 24 1969
Denver, Colorado

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.015	40.4	49.3	3.45				5.1			.32	.22		.14		
Shipper	.03	40.39	50.90	3.70												
Umpire	.02		50.45													
Metallics																
Settle	.02	40.395	50.45	3.575												

Values Per Ton

Payment		Pay Content	Price	Amount		Freight (Fixed)	
Gold	Min. 94%	.0188	34.994		66		66
Silver, Less	Min. 95%	38.37525	1.887	72	41	72	41
Lead, Less 1069	20 @ 90%	890.1	.13968	124	33	39	77
~~Copper, Less~~	~~1.50 @ 90%~~	53.675	.48367	25	96	3	40
71.5							
Gross Value				223	36	116	24
Less Deductions (Net Charge)				16	93	13	43
Freight Value				x x	x	102	81
Net Value				206	43		

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	16	93	16	93
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead--~~Copper~~ Price Escalator			-3	50
Zinc				
As: Sb: Bi:				
Net Charge	16	93	13	43

=93.15 Wet Ton @ 60.376 Dry Tons

	Debits		Credits	
Less Freight: 66.64 Wet Tons @ 10.03 P.T.	668.	40		
Less Switching: Resets: 1 @ 370 Reweighs:	3.	70		
Less Sampling:				
Less Umpire: Root & Simpson	10	—		
Gen Property Tax 1.5% NSR.	170	72		
Less Hauling: 66.64 wt @ 6.00 (McFarland & Hullinger)	399	84		
Less Representation:				
Less Royalty: 13.526% NSR	1539	46		
5% Sampling, Treatment & Assaying (Ore)	589	07		
Less Advance:				
Balance Due Shipper/~~Smelter~~	9082	23		
Totals	12463	42	12463	42

Lead Dept. Copper Dept.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

- ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
1/21/70	$1,548.22	The State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
1/21/70	$582.45	The State National Bank El Paso, Texas	McFarland & Hullinger Keystone Mine	OME-6640 Contract 2259	Royalty
1/21/70	$324.91	The First National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger Keystone Mine	OME-6640 Contract 2259	Royalty
1/23/70	$143.94	The First National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger Keystone Mine	OME-6640 Contract 2259	Royalty

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6288: Lot No. 3454
OME-6640: Lot No. 3458
OME-6640: Lot No. 14
OME-6640: Lot No. 15

January 30, 1970
Date Prepared

J. William Hasler, Field Officer
Region III, OME

Date Received

Distribution:

Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C.
Abst. of Rem. Ledger
Hasler chron
OME chron

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

1/21/70

BOUGHT OF KEYSTONE MINES CO.
ADDRESS ~~P. O. BOX 238, TOOELE, UTAH 84074~~ SALIDA, COLO.
SHIPPING POINT ~~KEYSTONE~~
NAME OF MINE

EL PASO, TEXAS, 19
SMELTER LOT 34 58
SHIPPER'S LOT
CLASSIFICATION Pb. Cu.
PURCHASE TERMS EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

OME Region III RECEIVED JAN 26 1969 Denver, Colorado

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight	Quotations
818	12/11	613602	MP.					144880	9.6	130972	Silver 1.739
											Lead .16370
											Copper .5[illegible]
											Au. 35.052
											Nov. Zn .1550
											Nov. Pb .15588
											B/L Date:

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.015	40.4	33.4	7.15				12.7			.50	.20		.12		
Shipper	.025	41.64	34.1	7.26												
Umpire	.	42.47	34.10													
Metallics																
Settle	.02	41.64	34.10	7.205												

Barnard & Associates of Denver

Values Per Ton — Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. 94%	.0188	35.052		66		66
Silver, Less Min. 95%	39.558	1.724	68	20	68	20
Lead, Less .20 @ 90%	595.8	.13838	82	45	26	62
Copper, Less .15 @ 95%	122.645	.44749	54	88	7	77
114.8						
Gross Value			206	19	103	25
Less Deductions (Net Charge)			17	21	13	71
Freight Value			x x	x	89	54
Net Value			188	98	@ 65.486	

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	21	17	21
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead-~~Copper~~ Price Escalator			-3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	21	13	71
≈80.94 Wet Ton / Dry Tons				

	Debits		Credits	
			12375	54
Less Freight: 72.44 Wet Tons @ 10.03 P.T.	726	57		
Less Switching: Resets: Reweighs:				
~~Less Sampling: Ome Colo Contract 2259 Mcfarland & Hullinger~~				
Less Umpire: ~~Root & Simpson Keystone Mine~~	—			
Less Hauling: 72.44 wt @ 6.00 (McFarland & Hullinger)	434	64		
Less Representation:				
Less Royalty: 13.088 % NSR	1467	73		
Gen Property Tax 1.5% NSR	168	21		
Less Advance: 1/12	8000	—		
Royalty 5% Freight, Treatment & Assaying (OME)	582	45		
Balance Due Shipper/~~Smelter~~	995	94		
Totals	12375	54	12375	54

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 14 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH JAN 1970

CLASS ZINC CONCT. MINE LOT 19 & 20 MINE SHIPPED FROM CRESTED BUTTE, COLORADO

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.001	2.58	.35	1.00	50.50	11.60	.70					
SHIPPER		3.06	.50	1.35	50.30							
UMPIRE C&N				1.35								
SETTLEMENT	.001	2.82	.425	1.35	50.40	11.60	.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
12-16	12-22	1656	MP	602320	113,300	10.5	101,404	490.59
12-20	12-26	1656	DRGW	55368	135,200	9.6	122,221	585.42
					Burlington & Alamosa Co.			
				TOTAL	248,500	24,875	223,625	1076.01

PAYMENTS:

GOLD 75.2% @ 35.13	—
SILVER 80% @ 1.76733(1.78233-.015) -1.5 Units	3.99
LEAD 65% @ .1415(.165-.0235)	—
COPPER 65% @ .44638(52138-.075)	7.83
ZINC 85% @ .1489(.155-.0061)	126.27

DEDUCTIONS:

IRON AND MANGANESE	2.40
BASE CHARGE Zn @ 10.00	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	11.85
FUEL ADJUSTMENT	.60
NET VALUE PER TON	67.74

QUOTATIONS DATE December 22nd-26th, 1969

GOLD 35.13 SILVER 1.78233 LEAD .16500

COPPER .52138 ZINC .15500

LABOR RATE $ 3.509 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

111.8125 TONS @ 67.74	7	574	18
FREIGHT VALUATION ____ RATE 8.66	1	076	01
Trucking @ 6.00 per ton		745	50
UMPIRE Omega-Golden Contract 22.5% McFarland & Hullinger Keystone Mines			
PROVISIONAL PAYMENT			
Colorado Tax @ 1.5%		86	29
ROYALTY 5 % TO OME		324	91
Royalty 13.088% to ASARCO		752	91
TOTAL DUE SHIPPER	4	588	56

Gas Contract Price Nov 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation; 1.5
Fuel Adjustment 1.5 @ .40 .60
Average Hourly Labor Cost Nov, 1969 3.509
Average Hourly Labor Cost Per Contract 2.719
Variation: .790
Labor Adjustment .790 @ .15 11.[illegible]

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File (

CORRECT: RJC CORRECT: RGW

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 15 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH JAN 1970

CLASS ZINC CONCT. MINE LOT 21 MINE SHIPPED FROM CRESTED BUTTE, COLORADO

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	0.001	3.60	0.20	1.65	48.60	11.80	0.70					
SHIPPER	0.003	3.95	0.60	1.75	49.65			Bu [illegible]				
UMPIRE R&S					50.33			[illegible]				
SETTLEMENT	0.002	3.775	0.40	1.70	49.65	11.80	0.70	[illegible]	[illegible]			

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
12-23	12-31	1656	MP	602397	107,900	10.1	97,002	467.21
OME-6640 Contract 2259								
McFarland & Hullinger								
Keystone Mines								
				TOTAL		10,898		

OME Region III RECEIVED JAN 26 1969 Denver, Colorado

PAYMENTS:	
GOLD 75.2% @ 35.169	—
SILVER 80% @ 1.78567(1.80067-015) -1.5 Units	5.39
LEAD 65% @ .1415(.165-.0235)	—
COPPER 65% @ .45351(52851-.075)	10.02
ZINC 85% @ .1489(.155-.0061)	124.03
DEDUCTIONS:	
IRON AND MANGANESE	2.50
BASE CHARGE Zn @ 10.00	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	11.85
FUEL ADJUSTMENT	.60
NET VALUE PER TON	68.99

QUOTATIONS DATE Dec 29th-Jan 2, 1970

GOLD 35.169 SILVER 1.80067 LEAD .16500

COPPER .52851 ZINC .15500

LABOR RATE $ 3.509 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

48.5010 TONS @ 68.99	3346	08
FREIGHT VALUATION RATE 8.66	467	21
Trucking @ 6.00 per ton	323	70
UMPIRE		
PROVISIONAL PAYMENT		
Colorado Tax @ 1.5%	38	33
ROYALTY 5% TO OME	143	94
Royalty 13.088% to ASARCO	334	42
TOTAL DUE SHIPPER	2038	48

Gas Contract Price Nov 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation; 1.5
Fuel Adjustment 1.5 @ .40 .60
Average Hourly Labor Cost Nov, 1969 3.509
Average Hourly Labor Cost Per Contract 2.719
Variation: .790
Labor Adjustment .790 @ .15 11.[illegible]

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File

CORRECT: RJC CORRECT: RGW

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

- ABSTRACT OF REMITTANCES -

14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
1/14/70	$2,920.33	Morgan Guaranty Trust Co. of New York, New York, New York	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
1/15/70	$3,158.70	Morgan Guaranty Trust Co. of New York, New York, New York	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
1/16/70	$5,449.83	Morgan Guaranty Trust Co. of New York, New York, New York	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
1/16/70	$ 150.68	Continental Bank & Trust Co., Salt Lake City, Utah	United Park City Mines Company	OME-6074 Contract 2110	Royalty
1/20/70	$1,217.91	The State National Bank El Paso, Texas	McFarland & Hullinger Keystone Mines Co.	OME-6640 Contract 2259	Royalty

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6288: Lot No. 3306 OME-6640: Lot No. 3293
OME-6288: Lot Nos. 3201, 3577
OME-6288: Lot No. 3453 OME-6074: Lot No. Envy-OME-6
Lot No. Envy-OME-7

January 22, 1970
Date Prepared

J. William Hasler, Field Officer
Region III, OME

Date Received

Distribution:

Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

11/20/70

BOUGHT OF: KEYSTONE MINES CO.
ADDRESS: P. O. BOX 288, TOOELE, UTAH 84074
SHIPPING POINT: SALIDA, COLO.
NAME OF MINE: KEYSTONE

EL PASO, TEXAS, ____ 19____
SMELTER LOT: 3892
SHIPPERS LOT: 13-14
CLASSIFICATION: Pb Cu
PURCHASE TERMS: Exp 9.2

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight
8	12/2	56266	DRG					111120	11.7	103417
		60266	MP					110960	10.0	99864
								222080		203281

QUOTATIONS
Silver 1.894
Lead .1600
*Copper .52785
Au. 35.335
Nov Pb .15588
Nov Cu .1550

B/L Date: 11-26

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.02	52.4	40.9	9.39				6.6			.42	.20		.14		
Shipper	.02	53.45	41.6	9.55												
Umpire		54.67	41.22													
Metallics																
Settle	.02	53.45	41.22	9.47												

Budgeted Assayer Copper

Values Per Ton

Payment	Pay Content	Price	Amount	Freight (Fixed)
Gold Min. 94%	.0188	35.335	66	66
Silver, Less Min. 95%	50.7775	1.879	95 41	95 41
Lead, Less 20 @ 90 % 8248	723.96	.13468	97 50	32 35
Copper, Less 15 @ 95 % 189.4	165.68	.45117	74 75	10 49
Gross Value			268 32	138 91
Less Deductions (Net Charge)			17 21	13 71
Freight Value			x x x	125 20
Net Value			251 11	@ 101.6405

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	21	17	21
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead--~~Copper~~ Price Escalator			-3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	21	13	71

=111.59 Wet Ton
Dry Tons

Less Freight: 115.49 Wet Tons @ 100% P.T.
Less Switching: Resets: Reweighs:
Less Sampling:
Less Umpire: Mass analytical Lab
Royalty 5% Freight, Treatment & Refining (OME)
Less Hauling: 114.04 wt @ 6.00 (McFarland & Hullinger)
Less Representation:
Less Royalty: 13.088% NSR
Gen Property Tax 1.5% NSR
Less Advance: 12/23/69

	Debits		Credits	
			25522	95
	1158	26		
OME 640 CONTRACT 2239 MCFARLAND & HULLINGER KEYSTONE MINES				
	6	50		
	1217	91		
	584	24		
	3098	45		
	355	11		
	14000	—		
Balance Due Shipper/~~Smelter~~	5002	48		
Totals	25522	95	25522	95

Lead Dept. Copper Dept.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

IN REPLY REFER TO:

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 22 1970
INITIALS CODE
gla 1 30
~~1 20 M~~
HK 1 20
220

- ABSTRACT OF REMITTANCES -

14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
12/31/69	$192.65	Continental Bank & Trust Co., Salt Lake City, Utah	United Park City Mines Company	OME-6074 Contract 2110	Royalty
1/2/70	$163.22	The 1st National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger Keystone Mines	OME-6640 Contract 2259	Royalty
1/3/70	$1,973.64	The State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
1/5/70	$4,842.96	Morgan Guaranty Trust Co. of New York, New York, N.Y.	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
1/9/70	$ 374.05	The 1st National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger Keystone Mines	OME-6640 Contract 2259	Royalty
1/14/70	$ 119.76	The 1st National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger Keystone Mines	OME-6640 2259 Contract ~~2166~~	Royalty
1/14/70	$ 734.63	The State National Bank El Paso, Texas	McFarland & Hullinger Keystone Mines	OME-6640 Contract ~~2166~~ 2259	Royalty

Received in Branch of Budget and Finance 1/19/70
by Lorraine E. Ledington
Collection Officer

Remarks: (List smelter or mill lot numbers covered by royalties)
OME-6074: Mine Lot Envy-OME-5, Smelter Lot 4316
OME-6640: Lot No. 13
OME-6288: Smelter Lot: 3314, Shippers Lot: 7273
Please see below:

~~January 16, 1970~~
Date Prepared

J. William Hasler
J. William Hasler, Field Officer
Region III, OME

Date Received

OME-6288: Smelter Lot: 3130, Shippers Lot: 62
OME-6640: Lot No. 12.

OME-6640: No lot given
OME-6640: Smelter Lot: 3386, No shippers lot given.

Distribution:
Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 13 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH DEC 1969

CLASS ZINC CONCT. MINE LOT 18 MINE SHIPPED FROM CRESTED BUTTE, COLORADO

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.001	3.42	.20	1.17	50.00	11.80	.70					
SHIPPER		3.45	.60	1.10	50.35							
UMPIRE												
SETTLEMENT	.001	3.435	.40	1.135	50.175	11.80	.70					

Budget and Finance
Calgary

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
1[illegible]11	12-15	1649	MP	612212	129,000	10.9	114,939	[illegible]
OME-6640 CONTRACT 2259								
MCFARLAND AND HULLINGER								
KEYSTONE MINES				TOTAL			14,061	

OME Region III
RECEIVED
JAN 3 X 1969
Denver, Colorado

PAYMENTS:	
GOLD 75.2% @ 35.052	—
Min -1 or SILVER 80% @ 1.724(1.739-.015)	4.74
-1.5 Units LEAD 65% @ .1402(.1637-.0235)	—
COPPER 65% @ .44917(52417-.075)	6.63
ZINC 85% @ .1489(.155-.0061)	125.60
DEDUCTIONS:	
IRON AND MANGANESE	2.50
BASE CHARGE Zn @ 10.00	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	11.85
FUEL ADJUSTMENT	.60
NET VALUE PER TON	66.52

QUOTATIONS DATE December 15th-19th, 1969

GOLD 35.052 SILVER 1.73900 LEAD .16370

COPPER .52417 ZINC .15500

LABOR RATE $ 3.509 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

57.4695 TONS @ 66.52		3822	57
FREIGHT VALUATION ____ RATE 8.66		558	57
Trucking @ 6.00 per ton		387	00
UMPIRE			
PROVISIONAL PAYMENT			
Colorado Tax @ 1.5%		75	16
ROYALTY 5 % TO OME		163	22
Royalty 13.088% to ASARCO		376	58
TOTAL DUE SHIPPER		2794	34

Gas Contract Price Nov 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation; 1.5
Fuel Adjustment 1.5 @ .40 .60
Average Hourly Labor Cost 3.509
Average Hourly Labor Cost Per Contract 2.719
Variation: .790
Labor Adjustment .790 @ .15 11.85

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File (

CORRECT: RJC

CORRECT: RGW

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 12 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH JAN 1970

CLASS ZINC CONCT. MINE LOT MINE SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region III
JAN 14 1969
Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.001	3.38	.30	1.20	49.20	11.0	.70					
SHIPPER		3.49	.60	1.68	50.35							
UMPIRE R&S				1.62	49.33							
SETTLEMENT	.001	3.435	.45	1.62	49.39	11.00	.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
1[redacted]	12-8	1649	UP	29618	132,380	10.9	117,951	573.21
12-2	12-8	1649	UP	31783	160,100	11.3	142,009	693.23
OME 6640 CONTRACT 2251								
McFARLAND & HULLINGER								
KEYSTONE MINES								
				TOTAL	292,480	32,520	259,960	1266.44

PAYMENTS:

GOLD 75.2% @ 35.12	—
Min -1 or SILVER 80% @ 1.767(1.782-.015)	4.86
-1.5 Units LEAD 65% @ .13651(.16001-.0235)	—
COPPER 65% @.44945(.52445-.075)	9.47
ZINC [redacted]% @ .1489(.155-.0061)	123.08

DEDUCTIONS:

IRON AND MANGANESE	2.10
BASE CHARGE Zn @ 10.00	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	11.85
FUEL ADJUSTMENT	.60
NET VALUE PER TON	67.36

QUOTATIONS DATE December 8th-12th, 1969

GOLD 35.12 SILVER 1.78200 LEAD .16001

COPPER .52445 ZINC .15500

LABOR RATE $ 3.509 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

129.9800 TONS @ 67.36	8755	45
FREIGHT VALUATION ____ RATE 8.66	1266	44
Trucking @ 6.00 per ton	877	44
UMPIRE ZN	8	00
PROVISIONAL PAYMENT		
Colorado Tax @ 1.5%	99	05
ROYALTY 5% TO OME	374	05
Royalty 13.088% to ASARCO	864	28
TOTAL DUE SHIPPER	5266	19

Gas Contract Price Nov 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation; 1.5
Fuel Adjustment 1.5 @ .40 .60
Average Hourly Labor Cost Nov, 1969 3.509
Average Hourly Labor Cost Per Contract 2.719
Variation: .790
Labor Adjustment .790 @ .15 11.85

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Budget and Finance Copy

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File

CORRECT: RJC CORRECT: RGW

AMA-47 CADMIUM PAYMENT FOR DECEMBER, 1969

AMERICAN SMELTING & REFINING COMPANY

AMARILLO PLANT

ORE SETTLEMENT

FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH JAN 1970

CLASS MINE LOT

MINE SHIPPED FROM CRESTED BUTTE, COLORADO

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO								.265				
SHIPPER												
UMPIRE												
SETTLEMENT								.265				

Lot No.	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
[illegible]	12-8						129.9800	Dry Tons
13	12-15	Bucket			ark		57.4695	" "
14	12-26						111.8125	" "
15	12-31	Frances			Cotton		48.5010	" "
			TOTAL				347.7630	Dry Tons

PAYMENTS:

GOLD .265 = 5.30 Pounds Cadmium x

SILVER 40% = 2.12 Pounds Cadmium x

LEAD 347.7630 Dry Tons = 737 Pounds

COPPER Pay Cadmium x $3.25 Per Pound =

ZINC $2,395.25

DEDUCTIONS:

IRON AND MANGANESE

BASE CHARGE

ZINC PRICE ADJUSTMENT

LABOR ADJUSTMENT

FUEL ADJUSTMENT

NET VALUE PER TON

OME-6640 CONTRACT 2259 MCFARLAND AND HULLINGER KEYSTONE MINES

QUOTATIONS DATE DECEMBER, 1969

GOLD SILVER LEAD

COPPER ZINC

Cadmium $4.00 - $.75 = $3.25 Per Pound

LABOR RATE $ FUEL RATE $

VALUE ORE F.O.B. Amarillo, Texas

347.7630 TONS @		2	395.25
FREIGHT VALUATION ____ RATE ____			
UMPIRE			
PROVISIONAL PAYMENT			
Colorado Tax @ 1.5%		35.93	
ROYALTY 5 % TO OME		119.76	
Royalty 13.088% to ASARCO		313.49	
TOTAL DUE SHIPPER	1	926.07	

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1)

U. S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1)

Mr. C. J. Roberts (1)

File (4)

CORRECT: RJC

CORRECT: RGW

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

1/13/70

BOUGHT OF: KEYSTONE MINES CO. P. O. BOX 268, TOOELE, UTAH 84074
ADDRESS: SALIDA, COLO.
SHIPPING POINT: KEYSTONE
NAME OF MINE:

EL PASO, TEXAS, 19
SMELTER LOT: 3376.
SHIPPERS LOT:
CLASSIFICATION: Pb Cu.
PURCHASE TERMS: CP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

RECEIVED JAN 17 1969 Denver, Colorado

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight	Quotations
All	1/4	110454	MP.					137180	10.3	123050	Silver 1.782
											Lead .16001
											Copper .52445
											Pb. 35.12
											Nov-Pb .15588
											Nov-Zn 1550
											B/L Date:

Budget an finance co

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.02	59.0	45.0	7.58				12.7			40.18		.18			
Shipper	.015	60.59	45.80	7.82												
Umpire		58.7825	45.95													
Metallics																
Settle	.0175	59.0	45.80	7.70												

ONE-6640 CONTRACT 2259
McFARLAND AND HULLINGER
KEYSTONE MINES

W Values Per Ton L

Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. 94%	.016450	35.12		58		58
Silver, Less Min. 95%	56.05	1.767	99	04	99	04
Lead, Less 2.0 @ 90% 716	806.4	.13469	108	61	36	03
Copper, Less 15 @ 95% 2508	133.05	.44777	59	13	8	36
Gross Value			267	36	144	01
Less Deductions (Net Charge)			17	21	13	71
Freight Value			x x	x	130	30
Net Value			250	15	@ 61.525	

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	21	17	21
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead-~~Copper~~ Price Escalator			-3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	21	13	71
=116.88 Wet Ton				
Dry Tons				

	Debits		Credits	
Less Freight: 66.59 Wet Tons @ 10.03 P.T.	687	96		
Less Switching: Regets: Reweighs:				
Royalty 5% Freight Treatment & Assaying (OME)	734	63		
Less Sampling: 68.59 wt @ 6.00	411	54		
Less Umpire: Crismon & Nichols	10	—		
Less Hauling:				
Less Representation:				
Less Royalty: 13.088% NSR	1869	09		
Gen Property Tax 1.5% NSR	214	21		
Less Advance: 12/23/69	8000	—		
Balance Due Shipper/~~Smelter~~	3463	05		
Totals	15390	48	15390	48

IN REPLY REFER TO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

- ABSTRACT OF REMITTANCES -

14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
12/17/69	$2,262.56	The State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
12/18/69	$1,429.72	The State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
12/18/69	$ 92.81	The First National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger Keystone Mines	OME-6640 Contract 2259	Royalty
12/23/69	$1,134.30	The State National Bank El Paso, Texas	McFarland & Hullinger Keystone Mines	OME-6640 Contract 2259	Royalty
12/23/69	$ 881.15	The State National Bank El Paso, Texas	McFarland & Hullinger Keystone Mines	OME-6640 Contract 2259	Royalty
12/26/69	$ 483.89	First National Bank of Amarillo, Amarillo, Tex.	McFarland & Hullinger Keystone Mines	OME-6640 Contract 2259	Royalty

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6288, Lot No. 2985
OME-6288: Lot No. 3134
OME-6640: Lot No. 9-11
OME-6640: Lot No. 3154
OME-6640: Lot No. 3093
OME-6640: Lot No. 11

12/31/69
Date Prepared

J. William Hasler, Field Officer
Region III, OME

Date Received

Distribution:

Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

AMA-47 CADMIUM PAYMENT FOR NOVEMBER, 1969

AMERICAN SMELTING & REFINING COMPANY

AMARILLO PLANT

ORE SETTLEMENT

FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 9-11 ASARCO NO.

ADDRESS TOOELE, UTAH MONTH DEC 1969

CLASS MINE LOT MINE SHIPPED FROM CRESTED BUTTE, COLORADO

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO								.24				
SHIPPER												
UMPIRE												
SETTLEMENT								.24				

Lot No.	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
9	11-6	Burdrett and					120.4335	Dry Tons
10	11-10	Finnegan					71.1290	" "
11	11-28	Company					159.9955	" "
				TOTAL			351.5580	Dry Tons

PAYMENTS:

GOLD .24% = 4.80 Pounds Cadmium x

SILVER 40% = 1.92 Pounds Cadmium x

LEAD 351.5580 Dry Tons = 675 Pounds

COPPER Pay Cadmium x $2.75 Per Pound

ZINC = $1,856.25

DEDUCTIONS:

IRON AND MANGANESE Cmk - 6640

BASE CHARGE McFarland & Hullinger

ZINC PRICE ADJUSTMENT Keystone

LABOR ADJUSTMENT

FUEL ADJUSTMENT

NET VALUE PER TON

QUOTATIONS DATE NOVEMBER, 1969

GOLD SILVER LEAD

COPPER ZINC

Cadmium $3.50 - $.75 = $2.75 Per Pound

LABOR RATE $ FUEL RATE $

VALUE ORE F.O.B. Amarillo, Texas

351.5580 TONS @	1	856	.25
FREIGHT VALUATION ____ RATE ____			
UMPIRE			
PROVISIONAL PAYMENT			
Colorado Tax @ 1.5%		27	.84
ROYALTY 5 % TO OME		92	.81
Royalty 13.0000% to ASARCO		241	.31
TOTAL DUE SHIPPER	1	494	.29

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1)

U. S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1)

Mr. C. J. Roberts (1)

File (4)

CORRECT: RJC

CORRECT: RGW

AMERICAN SMELTING AND REFINING COMPANY

EL PASO SMELTING WORKS

BOUGHT OF KEYSTONE MINES CO., P. O. BOX 233, TOOELE, UTAH 84074
ADDRESS SALICA, COLO.
SHIPPING POINT KEYSTONE
NAME OF MINE

EL PASO, TEXAS, 12/22/69 19
SMELTER LOT 3154.
SHIPPERS LOT 11-12.
CLASSIFICATION Pb Cu.
PURCHASE TERMS EP 960

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

ONE Region III RECEIVED DEC 29 1969 Denver, Colorado

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H_2O	Dry Weight
707	11/20	602150	MP					107888.	9.0	98171
732	11/20	55505	DRG					136580.	9.4	123741
								244460		221912

QUOTATIONS: Silver 1.891; Lead .1550; Copper .51953; Au. 36.89; Zn. .1550

B/L Date: 11-14

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO_2 %	Fe %	CaO %	Zn %	S %	Al_2O_3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.025	47.6	42.0	6.45				12.7			.48	.12		.18		
Shipper	.022	48.64	42.4	6.59												
Umpire		48.5265														
Metallics																
Settle	.0235	48.5265	42.2	6.52												

Treatment and Expenses

Values Per Ton

Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. 95%	.022090	36.89		81		81
Silver, Less Min. 95%	46.100175	1.876	86	48	86	48
Lead, Less 20 @ 90%	741.6	.12968	96	17	33	13
Copper, Less 15 @ 95%	109.63	.44285	48	55	6	94
Gross Value			232	01	127	36
Less Deductions (Net Charge)			17	13	13	63
Freight Value			x x	x	113	73
Net Value			214	88	@ 110.956	

130.4 Gross 6640 Mc Farland & Hallinger Mt. Fuel Mining

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	13	17	13
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead--~~Copper~~ Price Escalator	—		-3	50
Zinc				
As: Sb: Bi.				
Net Charge	17	13	13	63

	Debits		Credits	
Net Ton				
Dry Tons			23842	23
Less Freight: 122.23 Wet Tons @ 9.46 P.T.	1156	29		
Less Switching: Resets: Reweighs:				
Less Sampling:				
Less Umpire: Root & Simpson	—			
Less Hauling: 122.23 wt @ 6.00 (McFarland & Hallinger)	733	38		
~~Less Representation~~ 5% Freight Treatment & Assaying (OME)	1134	30		
Less Royalty: 13 % NSR	2853	83		
1.5% NSR Gen. Property Tax	339	29		
Less Advance: 12/15/69	13300	—		
Balance Due Shipper/~~Smelter~~	4335	14		
Totals	23842	23	23842	23

21953.56

AMERICAN SMELTING AND REFINING COMPANY

EL PASO SMELTING WORKS

12/22/69

BOUGHT OF KEYSTONE MINES CO.

ADDRESS ~~P. O. BOX 238, TOOELE, UTAH 84~~

SHIPPING POINT ~~SALIDA, COLO.~~

NAME OF MINE ~~KEYSTONE~~

EL PASO, TEXAS, 19

SMELTER LOT 3033

SHIPPERS LOT 10

CLASSIFICATION

PURCHASE TERMS EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

OME Region III RECEIVED DEC 29 1969 Denver, Colorado

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Net Weight	% H2O	Dry Weight	Quotations
734	10/21	640195	MP					178689	9.7	161348	Silver 1.9265
					TARE IN			626	9.7	565	Lead .1550
								178054		160783	Copper .52035
											Au 37.98
											Zn 15.50

B/L Date: 11-5

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.02	56.8	42.2	5.92				9.9			.42	.12		.25		
Shipper	.02	57.93	42.0	6.10												
Umpire		58.85														
Metallics																
Settle	.02	57.93	42.1	6.01												

Budget & Financial

Values Per Ton

Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. 99%	.0188	37.98		71		71
Silver, Less Min. 95%	55.0335	1.9115	105	20	105	20
Lead, Less 20 @ 90% 842	739.8	.13053	96	57	33	68
Copper, Less 15 @ 95% 120.2	99.94	.44444	44	42	6	41
Gross Value			246	90	146	00
Less Deductions (Net Charge)			17	13	13	63
Freight Value			x x	x	132	37
Net Value			229	77	@ 80.3915	

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	13	17	13
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead ~~Copper~~ Price Escalator			-3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	13	13	63
=119.11 Wet Ton				
Dry Tons			18471	55

Less Freight: 34.24 Wet Tons @ 746 P.T.

Less Switching: Resets: 1 @ 3.49 Reweighs:

OME = 6646 McParland & Hurley

Less Sampling: Keystone Mines

Less Umpire: Crusoe & Nichols

Debits		Credits	
845	6		
3	49		
—			
536	01		
2221	37		
256	30		
881	15		
10000	—		
2928	12		
18471	55	18471	55

Less Hauling: 89.54 wt @ Geo (McPherson & Hullinger)

Less Representation:

Less Royalty: 13% NSR

Gen Property Tax 1.5% NSR

~~Less Advance~~: Royalty 5% Freight, Treating + Assaying (OME)

Advance 12/15/69

Balance Due Shipper/~~Smelter~~

Totals

Lead Dept. Copper Dept. Toll Dept. Memo

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO. _____

SHIPPER KEYSTONE MINES COMPANY — LOT NO. 11 — ASARCO NO. 689

ADDRESS P.O. BOX 238 TOOELE, UTAH 84074 — MONTH DEC 1969

CLASS ZINC CONCT. — MINE LOT 13 14 15 — MINE — SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region III RECEIVED DEC 29 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl
ASARCO	—	3.54	.40	1.90	49.35	12.20	.80		
SHIPPER	.005	3.85	.70	1.70	49.95				
UMPIRE C&N					49.9-				
SETTLEMENT	.005	3.695	.55	1.80	49.9-	12.20	.80		

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
11-18	11-24	1626	UP	30780	122,000	10.6	109,068	528.26
11-20	11-26	1638	MP	22844	128,700			
				Water	350			
					128,350	10.5	114,873	557.27
11-24	11-28	1649	MP	22765	107,800	10.9	96,050	466.77
	Budget & Finance							
				TOTAL	358,150	38,159	319,991	1552.30

PAYMENTS:	
GOLD 75.2% @ 35.540	—
SILVER 60% @ 1.86067(1.87567-.015) -1.5 Units	5.50
LEAD 65% @ .1342(.15770-.0235)	—
COPPER 65% @.44960(.52460-.075)	10.52
ZINC 85% @ .1489(.155-.0061)	174.78

DEDUCTIONS:	
IRON AND MANGANESE	2.75
BASE CHARGE Zn @ 10.00	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	11.76
FUEL ADJUSTMENT	.60
NET VALUE PER TON	70.19

QUOTATIONS DATE November 24th-28th, 1969

GOLD 35.540 SILVER 1.875670 LEAD .15770

COPPER .52460 ZINC .15500

LABOR RATE $ 3.503 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

159.9955 TONS @ 70.19	11	230	08
FREIGHT VALUATION _____ RATE 8.66	1	552	30
Trucking @ 6.00 per ton	1	075	50
UMPIRE Nye = 66.40			
McFarland & Hullinger			
Keystone Mines			
PROVISIONAL PAYMENT			
Colorado Tax @ 1.5%		179	03
ROYALTY 5 % TO OME		483	89
Royalty 13.0000% to ASARCO	1	118	30
TOTAL DUE SHIPPER	6	871	06

Gas Contract Price Oct 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation; 1.5
Fuel Adjustment 1.5 @ .40 .60
Average Hourly Labor Cost 3.503
Average Hourly Labor Cost Per Contract 2.719
Variation: .784
Labor Adjustment .784 @ .15 11.76

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2-w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File (

CORRECT: RJC — CORRECT: RGW

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

6640

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- ABSTRACT OF REMITTANCES -

14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
10/7/69	$ 119.30	WALKER BANK & TRUST CO. SALT LAKE CITY, UTAH	UNITED PARK CITY MINES COMPANY	OME-6074 CONTRACT2110	ROYALTY
10/7/69	$ 311.53	THE FIRST NATIONAL BANK OF AMARILLO, AMARILLO, TEXAS	MC FARLAND & HULLINGER KEYSTONE MINES CO.	OME-6640 CONTRACT 2259	ROYALTY
10/10/69	$ 327.73	CONTINENTAL BANK & TRUST CO., SALT LAKE CITY, UTAH	UNITED PARK CITY MINES COMPANY	OME-6074 CONTRACT 2110	ROYALTY
10/10/69	$ 175.62	THE FIRST NATIONAL BANK OF AMARILLO, AMARILLO, TEXAS	MC FARLAND & HULLINGER KEYSTONE MINES CO.	OME-6640 CONTRACT 2259	ROYALTY
10/13/69	$7,026.10	MORGAN GUARANTY TRUST OF NEW YORK, 140 BROADWAY, NEW YORK 15, NEW YORK	HOMESTAKE MINING CO. BULLDOG MOUNTAIN	OME-6288 CONTRACT 2166	ROYALTY
10/13/69	$ 581.42	STATE NATIONAL BANK EL PASO, TEXAS	MC FARLAND & HULLINGER KEYSTONE MINES CO.	OME-6640 CONTRACT 2259	ROYALTY

Received in Branch of Budget and Finance 10/20/69
by Lorraine E. Edelston

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6074, Cont. 2110: Smelter Lot: 4239/4240, Mine Lot 2303
OME-6640, Cont. 2259: Lot No. 2 Mine Lot 2, 3
OME-6074, Cont. 2110: Smelter Lot 4245, Cozy-DOME-10
OME-6640, Cont. 2259: Lot No. 3, Mine Lot 4
PLEASE SEE BELOW:

Date Prepared 10/16/69

J. William Hasler
J. William Hasler, Field Officer
Region III, OME
mc

Date Received

Distribution:
Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

OMEOME-6288, Cont. 2166: Lot Nos. 2320, 2436, and 2559
OME--6640, Cont. 2259: Smelter Lot: 2518, Shippers Lot: 13

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

10/10/69

BOUGHT OF Keystone Mining Co.
ADDRESS Box 738 Tooele, Utah 84074
SHIPPING POINT Salida Colorado
NAME OF MINE Keystone

EL PASO, TEXAS, 19
SMELTER LOT 2518
SHIPPERS LOT 13
CLASSIFICATION
PURCHASE TERMS EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight
706	9/9	36625	BO					158900	7.5	146983
708										

Budget & Finance Copy

QUOTATIONS: Silver 1.74v; Lead .1550; Copper .51407; Au 40.977

B/L Date: 9-6

Assayo	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	0	31.0	48.1	3.16							.25	.10		.06		
Shipper	.02	31.96	49.2	3.30												
Umpire	.021	31.10	49.v													
Metallics																
Settle	.0v	31.10	47.v	3.23												

OME Region III
RECEIVED
OCT 15 1969
Denver, Colorado

Values Per Ton

Payment	Pay Content	Price	Amount	Freight (Fixed)
Gold Min. 6 %	.0188	40.977	.77	.77
Silver, Less Min. 5 %	29.545	1.7v7	51.0v	51.0v
Lead, Less 20 @ 90% 64.6	867.6	.13053	113.v5	39.50
Copper, Less 15 @ 95%	47.1v	.43816	20.65	3.0v
Gross Value			185.69	94.31
Less Deductions (Net Charge)			17.14	13.64
Freight Value			x x x	80.67
Net Value			168.55	@ 73.4915

Deduction	Charge	Credit
Base Incl. Labor Adj.	17.14	17.14
Excess Value Over $		
¢ Per Unit Pb/Cu ± %		
Lead--Copper Price Escalator		-3.50
Zinc		
As: Sb: Bi:		
Net Charge	17.14	13.64

=74.6v Wet Ton
Dry Tons

Less Freight: 79.45 Wet Tons @ 9.46 P.T.
Less Switching: Resets: Reweighs:
Less Sampling:
Less Umpire: Crisman + Nichols
1470 Property Tax NSR
Less Hauling: 79.45 tons @ 6.00
Less Representation: Beachy Co.
Less Royalty: 10% NSR
5% FTS
Less Advance:

Debits	Credits
751.60	12386.99
7.00	
167.28	
476.70	
1338.v0	
581.4v	
9064.79	
12386.99	12386.99

Balance Due Shipper/~~Smelter~~

Totals

Check #32594 [illegible]
Contract [illegible]
no [illegible]

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO. _____

SHIPPER KEYSTONE MINES COMPANY LOT NO. 2 ASARCO NO.

ADDRESS P. O. BOX 238, TOOELE, UTAH 84074 MONTH OCT 1969

CLASS ZINC CONCENTRATES MINE LOT 2,3 MINE GATHERED FROM GUNNISON, COUNTY, COLORADO

OME Region III RECEIVED OCT 9 - 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.005	3.14	1.44	.56	50.00	11.20	.70					
SHIPPER	.010	3.79	2.10	1.10	50.65							
UMPIRE C & N		3.2925	2.05	1.02	49.45							
SETTLEMENT	.0075	3.2925	2.05	1.02	50.00	11.20	.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
[redacted]	9-9	1570	DRGW	55165	130,000	10.9	115,830	531.05
	9-12	1581	C&O	33052	137,700	10.7	122,966	562.50
				Budget & Finance Copy				
TOTAL					267,700	28,904	238,796	1,093.55

PAYMENTS:	
GOLD	
SILVER 80% @1.727(1.742-.015) -1.5 Units	4.55
LEAD 65% @.1315(.155-.0235)	.94
COPPER 65% @.43907(.51407-.075)	5.82
+2 UNITS OR ZINC [redacted]% @.14375(.14955-.0058)	120.75

DEDUCTIONS:	
IRON AND MANGANESE	2.20
BASE CHARGE Zn @ 10.0	50.00
ZINC PRICE ADJUSTMENT	4.96
LABOR ADJUSTMENT	12.84
FUEL ADJUSTMENT	.60
NET VALUE PER TON	61.46

QUOTATIONS DATE 9-(8-12)-69

GOLD 40.977 SILVER 1.74200 LEAD .15500

COPPER .51407 ZINC .14955

LABOR RATE $ 3.575 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

119.3980 TONS @ 61.46	7	338	20
FREIGHT VALUATION _____ RATE 8.17	1	093	55
Trucking @ 6.00 per ton		803	10
UMPIRE A & N		14	00
OME-66640 Cont 2259 Mc Farland & Hullinger Keystone Mines Co			
PROVISIONAL PAYMENT			
Colorado Tax @ 1.5%		81	41
ROYALTY 5 % TO OME		311	53
Royalty 12.455% to ASARCO		676	00
TOTAL DUE SHIPPER	4	358	61

Gas Contract Price AUG 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation: 1.5
Fuel Adjustment 1.5 @.40 = .60
Average Hourly Labor Cost 3.575
Average Hourly Labor Cost Per Contract 2.719
Variation: .856
Labor Adjustment .856 @.15 = 12.84

COPIES TO: (15)

KEYSTONE MINES COMPANY
P. O. BOX 238
Tooele, Utah 84074 (3 w/check)

KEYSTONE MINES COMPANY
P. O. BOX 463
Crested Butte, Colorado (2 w/umpire)

McFARLAND & HULLINGER
P. O. BOX 238
Tooele, Utah 84074 (1 w/trucking check)

U. S. GEOLOGICAL SURVEY
DENVER FEDERAL CENTER, BLDG. 25, ROOM 2284
DENVER, COLORADO 80225 (2 w/check)

AMERICAN SMELTING & REFINING CO.
NORTHWESTERN DEPARTMENT
WALLACE, IDAHO 83873 (1 w/credit advice)

MR. REED F. WELCH (1)

MR. C. J. ROBERTS (1)

FILE (4)

CORRECT: RJC CORRECT: RGW

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO. _____

SHIPPER KEYSTONE MINES COMPANY LOT NO. 3 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH OCT 1969

CLASS ZINC CONCENTRATES MINE LOT 4 MINE SHIPPED FROM GUNNISON COUNTY, COLORADO

ORE Region III RECEIVED OCT 13 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.023	3.01	1.16	.56	50.75	11.00	.70					
SHIPPER	.010	3.10	1.40	1.05	50.65							
UMPIRE R&S	.010			1.01								
SETTLEMENT	.010	3.055	1.23	1.01	50.70	11.00	.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
[redacted]5	9-19	1581	DRGW	55512	137,300	10.4	123,021	560.87
				TOTAL		14,279		

Gas Contract Price Aug 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation: 1.5
Fuel Adjustment 1.5 @.40 = .60
Average Hourly Labor Cost 3.575
Average Hourly Labor Cost Per Contract 2.719
Variation: .856
Labor Adjustment .856 @.15 = 12.84

COPIES TO: (15)

KEYSTONE MINES COMPANY
P. O. BOX 238
Tooele, Utah 84074 (3 w/check)

KEYSTONE MINES COMPANY
P. O. BOX 463
Crested Butte, Colorado (2 w/umpire)

McFARLAND & HULLINGER
P. O. BOX 238
Tooele, Utah 84074 (1 w/trucking check)

U. S. GEOLOGICAL SURVEY
DENVER FEDERAL CENTER, BLDG. 25, ROOM 2284
DENVER, COLORADO 80225 (2 w/check)

AMERICAN SMELTING & REFINING CO.
NORTHWESTERN DEPARTMENT
WALLACE, IDAHO 83873 (1 w/credit advice)

MR. REED F. WELCH (1)

MR. C. J. ROBERTS (1)

FILE (4)

PAYMENTS:	
GOLD	
SILVER 80% @ 1.763(1.778-.015) -1.5 Units	4.31
LEAD 65% @.1315(.155-.0235)	—
COPPER 65% @.44419(51919-.075)	5.83
ZIN[redacted]5% @ .1488(.1546-.0058)	127.08
DEDUCTIONS:	
IRON AND MANGANESE	2.10
BASE CHARGE Zn @ 10.0	50.00
ZINC PRICE ADJUSTMENT	5.46
LABOR ADJUSTMENT	12.84
FUEL ADJUSTMENT	.60
NET VALUE PER TON	66.22

QUOTATIONS DATE 9-(15-19)-69
GOLD 40.945 SILVER 1.77800 LEAD .15500
COPPER .51919 ZINC .154600

LABOR RATE $ 3.575 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

61.5105 TONS @ 66.22	4	073	23
FREIGHT VALUATION _____ RATE 8.17		560	87
Trucking @ 6.00 per ton		411	90
UMPIRE OME 6640			
OME 2259			
McFarland Hullinger			
PROVISIONAL PAYMENT Keystone Mines			
Colorado Tax @ 1.5%		46	51
ROYALTY 5 % TO OME		175	62
Royalty 12.960 % to ASARCO		401	82
TOTAL DUE SHIPPER	2	476	51

CORRECT: RJC

CORRECT: RGW

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225
Office of Minerals Exploration
Building 53 Room 200

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220

- ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
10/3/69	$249.72	STATE NATIONAL BANK, EL PASO, TEXAS	MC FARLAND & HULLINGER KEYSTONE MINES CO.	OME-6640 Cont. 2259	ROYALTY

Received in Branch of Budget and Finance 10/20/69
by Lorraine E. Edwards

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6640, Cont. 2259: Voucher No. 9243, Lot No. 2475

11/15/69
Date Prepared

J. William Hasler
J. William Hasler, Field Officer
Region III, OME
mc

Date Received

Distribution:
Original & 2 to:
Chief, Br. of Budget and Finance (with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

10/2/64

BOUGHT OF [illegible]
ADDRESS [illegible]
SHIPPING POINT [illegible]
NAME OF MINE [illegible]

EL PASO, TEXAS, [illegible] 19
SMELTER LOT [illegible]
SHIPPERS LOT [illegible]
CLASSIFICATION [illegible]
PURCHASE TERMS [illegible]

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H_2O	Dry Weight
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]			113[illegible]	6.7	105504

QUOTATIONS: Silver [illegible]; Lead [illegible]; Copper [illegible]; Zn

B/L Date [illegible]

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO_2 %	Fe %	CaO %	Zn %	S %	Al_2O_3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	21.7	31.5	2.60				11.7								
Shipper	.02	22.48	32.6	2.80												
Umpire	.01	22.10	31.87													
Metallics																
Settle	—	22.10	31.87	2.70												

Budget & Charge

Values Per Ton

Payment		Pay Content	Price	Amount	Freight (Fixed)
Gold	Min. %				
Silver, Less	Min. 95%	20.995	1.66025	34 86	34 86
Lead, Less 2.00	%	555.66	.13053	72 53	25 30
Copper, Less 15.00	%	37.05	.41766	15 17	2 37
54					
Gross Value				122 86	62 53
Less Deductions (Net Charge)				17 14	13 64
Freight Value				x x x	48 89
Net Value				105 72	@ 52.752

Deductions	Charge	Credit
Base, Incl. Labor Adj.	17 14	17 14
Excess Value Over $		
¢ Per Unit Pb/Cu ± %		
Lead--~~Copper~~ Price Escalator		3 50
Zinc		
As: Sb: Bi:		
Net Charge	17 14	17 64

= 45.61 Wet Ton

	Wet Tons	Debits	Credits
Net Value			5576 94
Less Freight: 60 00	Wet Tons @ 946 P.T.	567 60	
Less Switching:	Resets: Reweighs:		
Less Sampling: Min 120 ccc; Rockland & Hullinger 56.59 wt @ 6.00		339 24	
Less Umpire: OME-6640 Corr 22.59; Chas Harlan & Hullinger		15 00	
Less Hauling:			
Less Representation: Keystone Mining Co.			
Less Royalty: 15% NSR		558 61	
5% Freight Treated & Sampling 9/14		249 72	
Less Advance:		2500	
Gen Property Tax 1½% NSR		62 83	
Balance Due Shipper/~~Smelter~~		876 94	
Totals		5576 94	5576 94

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

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120

ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
9/29/69	$128.61	The First National Bank of Amarillo Amarillo, Texas	McFarland & Hullinger (Keystone Mining Property)	OME-6640 Cont. 2259	Royalty
10/3/69	$265.83	Continental Bank & Trust Company, Salt Lake City, Utah	United Park City Mines, Heber, Utah	OME-6074 Contract 2110	Royalty

Received in Branch of Budget and Finance 10/8/69
by Lorraine E. Eckstein
Collection Officer

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6074: Mine Lot Cozy-DOME-9, Smelter Lot 4240
OME-6640: Lot No. 1

10/6/69
Date Prepared

J. William Hasler
J. William Hasler, Field Officer
Region III, OME

Date Received

Distribution:
Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 1 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH MONTH SEP 1969

CLASS ZINC CONCENTRATES MINE LOT MINE SHIPPED FROM GUNNISON COUNTY, COLORADO

OME Region III RECEIVED SEP 30 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.035	3.31	1.97	.76	48.85	11.50	.70					
SHIPPER	.010	3.80	2.30	1.10	49.69							
UMPIRE R&S	.010			1.01	48.76							
SETTLEMENT	.010	3.555	2.135	1.01	48.85	11.50	.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
	9-4	1581	DRGW	55230	121,100	10.0	108,990	494.69
				TOTAL		12,110		494.69

Gas Contract Price AUG 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation: 1.5
Fuel Adjustment 1.5 @.40 = .60
Average Hourly Labor Cost 3.575
Average Hourly Labor Cost Per Contract 2.719
Variation: .856
Labor Adjustment .856 @.15 = 12.84

COPIES TO: (15)

KEYSTONE MINES COMPANY
P. O. BOX 238
Tooele, Utah 84074 (3 w/check)

KEYSTONE MINES COMPANY
P. O. BOX 463
Crested Butte, Colorado (2 w/umpire)

McFARLAND & HULLINGER
P. O. BOX 238
Tooele, Utah 84074 (1 w/trucking check)

U. S. GEOLOGICAL SURVEY
DENVER FEDERAL CENTER, BLDG. 25, ROOM 2281
DENVER, COLORADO 80225 (2 w/check)

AMERICAN SMELTING & REFINING CO.
NORTHWESTERN DEPARTMENT
WALLACE, IDAHO 83873 (1 w/credit advice)

MR. REED F. WELCH (1)

MR. C. J. ROBERTS (1) Budget & Finance Copy

FILE (4)

PAYMENTS:	
GOLD	
SILVER 80% @ 1.66025 (1.67525-.015) -1.5 Units	4.72
LEAD 65% @ .1315 (.155-.0235)	1.09
COPPER 65% @ .41857 (49357-.075)	5.50
ZINC 85% @ .14135 (.14715-.0058)	115.48
DEDUCTIONS:	
IRON AND MANGANESE	2.35
BASE CHARGE Zn @ 10.0	50.00
ZINC PRICE ADJUSTMENT	4.72
LABOR ADJUSTMENT	12.84
FUEL ADJUSTMENT	.60
NET VALUE PER TON	56.28

QUOTATIONS DATE 9-(1-5)-69
GOLD 40.844 SILVER 1.67525 LEAD .15500
COPPER .49357 ZINC .14715

LABOR RATE $ 3.575 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

54.4950 TONS @ 56.28	3066	98
FREIGHT VALUATION RATE 8.17	494	69
(TRUCKING @ 6.00 TON = 363.30)	363	30
UMPIRE ZN	8	00
OME-6640 Contract 2-25-69		
McFarland & Hullinger		
Keystone Mines		
PROVISIONAL PAYMENT		
COLORADO TAX @ 1.5%	33	13
ROYALTY 5 % TO OME	128	61
ROYALTY 12.2157% TO ASARCO	269	83
TOTAL DUE SHIPPER	1769	42

CORRECT: RJC

CORRECT: RGW

IN REPLY REFER TO:

ORIGINAL COPY O. E. E. RECEIVED DEC 29 1969 INITIAL COPY gla/120 ~~120~~ HK ~~120~~ 220

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

- ABSTRACT OF REMITTANCES -

14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
12/1/69	~~$333.39~~ 333.99	The First National Bank of Amarillo, Amarillo, Tex.	McFarland & Bullinger Keystone Mines	OME-6640 Contract 2259	Royalty
12/5/69	$301.01	Continental Bank & Trust Company, Salt Lake City, Utah	United Park City Mines Heber, Utah	OME-6074 Contract 2110	Royalty
12/8/69	$194.24	The First National Bank of Amarillo, Amarillo, Tex.	McFarland & Bullinger Keystone Mines	OME-6640 Contract 2259	Royalty
12/12/69	$85.60	Continental Bank & Trust Company, Salt Lake City, Utah	United Park City Mines Company, Heber, Utah	OME-6074 Contract 2110	Royalty
12/16/69	$699.45	State National Bank El Paso, Texas	McFarland & Bullinger Keystone Mines	OME-6640 Contract 2259	Royalty

Received in Branch of Budget and Finance 12/23/69
by Lorraine E. Ledbetter
Collection Officer

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6640: Lot No. 9
OME-6074: Mine Lot: Envy-OME-1, 2 and 3
OME-6640: Lot No. 10
OME-6074: Mine Lot: Envy-OME-4
OME-6640: Lot No. 3010

12/18/69
Date Prepared

J. William Hasler
J. William Hasler, Field Officer
Region III, OME
mc

Date Received

Distribution:
Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

RECEIVED
U.S. GEOLOGICAL SURVEY
DEC 23 11 55 AM '69
BUDGET & FINANCE BRANCH

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 9 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH NOV 1969

CLASS ZINC CONCENTRATES MINE LOT MINE SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region III RECEIVED DEC 3 - 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl
ASARCO	.001	5.21	.78	1.60	46.70	13.00	.70		
SHIPPER	.010	5.34	1.10	2.20	46.68				
UMPIRE R&S				2.05					
SETTLEMENT	.0055	5.275	.94	2.05	46.69	13.00	.70		

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
10-31	11-3	1581	MP	611118	138,400	11.1	123,038	565.36
10-30	11-6	1581	DRGW	55372	131,800	10.6	117,829	538.40
			TOTAL		270,200	29,333	240,867	1103.76

PAYMENTS:	
GOLD	—
SILVER 80% @ 1.95650(1.97150-.015) -1.5 Units	8.26
LEAD 65% @ .1315(.155-.0235)	—
COPPER 65% @.44566(52066-.075)	11.88
ZINC 85% @ .1492(.155-.0058)	15.45
DEDUCTIONS:	
IRON AND MANGANESE	3.10
BASE CHARGE Zn @ 10.0	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	11.76
FUEL ADJUSTMENT	.60
NET VALUE PER TON	64.63

QUOTATIONS DATE NOVEMBER 3rd-7th, 1969

GOLD 39.205 SILVER 1.97150 LEAD .15500

COPPER .52066 ZINC .15500

LABOR RATE $ 3.503 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

120.4335 TONS @ 64.63		7783	62
FREIGHT VALUATION ____ RATE 8.17		1103	76
Trucking @ 6.00 per ton		810	60
UMPIRE			
PROVISIONAL PAYMENT			
Colorado Tax @ 1.5%		88	04
ROYALTY 5% TO OME		333	99
Royalty 13.000% to ASARCO		763	00
TOTAL DUE SHIPPER	4	684	23

Gas Contract Price Oct 69 Fuel	17.5
Ore Contract Fuel Clause Base Price	16.0
Variation;	1.5
Fuel Adjustment 1.5 @ .40	.60
Average Hourly Labor Cost	3.503
Average Hourly Labor Cost Per Contract	2.719
Variation:	.784
Labor Adjustment .784 @ .15	11.76

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File (

CORRECT: RJC CORRECT: RGW

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

ORE SETTLEMENT
SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 10 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH DEC 1969

CLASS ZINC CONCENTRATES MINE LOT MINE SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region III RECEIVED DEC 10 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.001	3.58	.70	1.70	48.00	12.60	.70					
SHIPPER	.007	4.10	1.10	1.70	47.84							
UMPIRE R&S		3.746										
SETTLEMENT	.004	3.746	.90	1.70	47.92	12.60	.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
11-3	11-10	1581	MP	640388	160,200	11.2	142,258	654.42
				TOTAL		17,942		

Gas Contract Price OCT 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation; 1.5
Fuel Adjustment 1.5 @ .40 .60
Average Hourly Labor Cost 3.503
Average Hourly Labor Cost Per Contract 2.719
Variation: .784
Labor Adjustment .784 @ .15 11.76

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File

PAYMENTS:

GOLD 75.2% @ 37.980	—
Min -1 or SILVER 80% @1.9115(1.9265-.015)	5.73
-1.5 Units LEAD 65% @.1315(.155-.0235)	—
COPPER 65% @.44535(.52035-.075)	9.84
ZINC 85% @ .1492(.155-.0058)	119.12

DEDUCTIONS:

IRON AND MANGANESE	2.90
BASE CHARGE Zn @ 10.00	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	11.76
FUEL ADJUSTMENT	.60
NET VALUE PER TON	63.93

QUOTATIONS DATE November 10th-14th, 1969
GOLD 37.980 SILVER 1.92650 LEAD .15500
COPPER .52035 ZINC .15500

LABOR RATE $ 3.503 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

71.1290 TONS @ 63.93		4547	28
FREIGHT VALUATION ____ RATE 8.17		654	42
Trucking @ 6.00 per ton		480	60
UMPIRE As Charged 1640		8	00
Cont. 2259			
McFarland & Hullinger			
PROVISIONAL PAYMENT Keystone Mines			
Colorado Tax @ 1.5%		51	06
ROYALTY 5 % TO OME		194	24
Royalty 13.0000% to ASARCO		442	55
TOTAL DUE SHIPPER		2716	41

CORRECT: RJC CORRECT: RGW

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

10/15/69

BOUGHT OF KEYSTONE MINES CO., ~~P. O. BOX 238, TOOELE, UTAH 84074~~ — EL PASO, TEXAS, 19
ADDRESS ~~SALIDA, COLO.~~ — SMELTER LOT 3015
SHIPPING POINT ~~KEYSTONE~~ — SHIPPERS LOT 9
NAME OF MINE — CLASSIFICATION
PURCHASE TERMS EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight	Quotations
777	11/4	553[illegible]	DRG					142920	9.5	127343	Silver 1.9765
											Lead .1550
											Copper .52666
											Au. 34.205
											Zn .1550
											B/L Date: 10-25

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.02	57.7	40.5	5.65				8.9			30	.18		.22		
Shipper	.02	58.23	40.6	5.90												
Umpire		57.98														
Metallics																
Settle	.02	57.98	40.55	5.775												

Values Per Ton

Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. 99%	.0188	34.205		74		74
Silver, Less Min. 99%	55.081	1.9565	107	77	107	77
Lead, Less 20 @ 90%	711.20	.13053	92	82	32	41
Copper, Less 15 @ 95%	95.475	.44475	42	46	6	12
115.5						
Gross Value			243	89	147	04
Less Deductions (Net Charge)			17	13	13	63
Freight Value			x x	x	133	41
Net Value			226	76	@ 64.6715	

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	13	17	13
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead--~~Copper~~ Price Escalator	—		-3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	13	13	63
= 130.74 Wet Ton				
Dry Tons			14664	91

	Debits		Credits	
Less Freight: 71.46 Wet Tons @ 9.46 P.T.	676	01		
Less Switching: Resets: Reweighs:				
Less Sampling:				
Less Umpire: Amer. Assayers	—			
Less Hauling: 71.46 [illegible]	438	76		
Less Representation:				
Less Royalty: 13% NSR	1762	82		
Gen Property Tax 1.5% NSR	203	40		
~~Less Advance~~: Royalty 5% Freight Treatment & Assaying (CME)	699	45		
Balance Due Shipper/~~Smelter~~	10894	47		
Totals	14664	91	14664	91

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

- ABSTRACT OF REMITTANCES -

14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
11/21/69	$283.94	Continental Bank & Trust Company, Salt Lake City, Utah	United Park City Mines Co.	OME-6074, Cont. 2110	Royalty
11/21/69	$2,759.76	Morgan Guaranty Trust Co. of New York, 140 Broadway New York, 15, New York	Homestake Mining Co. Bulldog Mountain	OME-6288 Cont. 2166	Royalty
11/24/69	$157.35	The First National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger Keystone Mines	OME-6640 Cont. 2259	Royalty
11/25/69	$2,635.03	Morgan Guaranty Trust Co. of New York, 140 Broadway New York, New York	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
11/25/69	$366.16	The State National Bank El Paso, Texas	McFarland & Hullinger Keystone Mines	OME-6640 Contract 2266	Royalty

Remarks: (List smelter or mill lot numbers covered by royalties)
OME-6074: Mine Lot Cosy-DOME-15, Smelter Lot 4282
OME-6288; Lot Nos. 2878 and 2986
OME-6640: Lot No. 8
OME-6288: Lot No. 2865
OME-6640: Lot No. 2944

Dec. 2, 1969
Date Prepared

J. William Hasler, Field Officer
Region III, OME

Date Received

Distribution:

Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

11/25/69

BOUGHT OF: KEYSTONE MINES CO.
ADDRESS: P. O. BOX 238, TOOELE, UTAH 84074
SHIPPING POINT: SALICA, COLO.
NAME OF MINE: KEYSTONE

EL PASO, TEXAS, 19
SMELTER LOT: 2949
SHIPPERS LOT:
CLASSIFICATION:
PURCHASE TERMS: EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

OME Region III RECEIVED NOV 27 1969 Denver, Colorado

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight
750	11/19	3096	DRG					75340	7.5	88190

QUOTATIONS: Silver 1.32; Lead .1553; Copper .5197; Zn .14857

B/L DATE:

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	34.2	47.1	3.20				11.2			.25	.10		.12		
Shipper	.02	35.45	48.1	3.35												
Umpire	.01	35.42	48.1													
Metallics																
Settle	W	35.42	48.1	3.275												

L Values Per Ton L

Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. %						
Silver, Less Min. 95 %	33.649	1.907	64	17	64	17
Lead, Less 2 @ 99 %	847.8	.13053	110	66	38	60
Copper, Less 15 @ 75 % 65.5	47.975	.44596	21	39	3	07
Gross Value			196	22	105	84
Less Deductions (Net Charge)			17	11	13	61
Freight Value			x x x		92	23
Net Value Min. Wgt 120,000			179	11	@ 44.095	

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	11	17	11
Excess Value Over $ ¢ Per Unit Pb/Cu ± %				
Lead-~~Copper~~ Price Escalator			-3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	11	13	61
35.38 Wet Ton				
Dry Tons			7897	86

	Debits		Credits	
Less Freight: 6000 Wet Tons @ 9.46 P.T.	567	60		
Less Switching: Resets: Reweighs:				
Less Sampling:				
Less Umpire: Pool & Simpson	7	—		
Less Hauling: 47.67 wt @ 6.00 (McFarland & Hullinger)	286	02		
Less Representation:				
Less Royalty: 12.357 NSR	867	59		
Colo. Property Tax 1.59 NSR	105	56		
Less Advance:				
Less 5% Freight, Treatment & Assaying (OME)	366	16		
Balance Due Shipper/~~Smelter~~	5695	93		
Totals	7897	86	7897	86

CONTRACT 22 59
OME-6640
McFARLAND & HULLINGER
KEYSTONE MINES

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 8 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH NOV 1969

CLASS ZINC CONCENTRATES MINE LOT MINE SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region III RECEIVED NOV 25 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl		
ASARCO	.001	4.47	.70	1.50	47.35	13.20	.70				
SHIPPER	.007	4.97	1.20	1.92	47.50						
UMPIRE C & N				1.90							
SETTLEMENT	.004	4.72	.95	1.90	47.425	13.20	.70				

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
10-24	10-28	1581	DRGW	56119	129,400			
				Water	140			
					129,260	11.4	114,524	528.60
					Bundy & Hullinger			
				TOTAL		14,736		

PAYMENTS:	
GOLD	
SILVER 80% @ 1.907(1.922-.015) -1.5 Units	7.20
LEAD 65% @ .1315(.155-.0235)	—
COPPER 65% @.44687(52187-.075)	11.04
ZINC 85% @ .1492(.155-.0058)	117.64
DEDUCTIONS:	
IRON AND MANGANESE	3.20
BASE CHARGE Zn @ 10.0	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	12.39
FUEL ADJUSTMENT	.60
NET VALUE PER TON	64.19

QUOTATIONS DATE OCTOBER 27th-31st, 1969

GOLD 39.97 SILVER 1.92200 LEAD .15500

COPPER .52187 ZINC .15500

LABOR RATE $ 3.545 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

57.2620 TONS @ 64.19	3675	65
FREIGHT VALUATION ____ RATE 8.17	528	60
Trucking @ 6.00 per ton	388	20
UMPIRE ONE 640 CANT 125% MCFARLAND & HULLINGER KEYSTONE MINES		
PROVISIONAL PAYMENT		
Colorado Tax @ 1.5%	41	38
ROYALTY 5% TO OME	157	35
Royalty 12.357% to ASARCO	340	91
TOTAL DUE SHIPPER	2219	21

Gas Contract Price SEPT '69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation; 1.5
Fuel Adjustment 1.5 @ .40 .60
Average Hourly Labor Cost 3.545
Average Hourly Labor Cost Per Contract 2.719
Variation: .826
Labor Adjustment .826 @ .15 12.39

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File (

CORRECT: RJC CORRECT: RGW

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

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O. M. E.
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DEC 3 1969
INITIALS CODE
glr 130
HK 120
220

- ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
11/13/69	$230.70	The First National Bank of Amarillo, Amarillo, Tex.	McFarland & Hullinger (Keystone Mines)	OME-6640 Contract 2259	Royalty
11/14/69	$530.31	The State National Bank El Paso, Texas	McFarland & Hullinger (Keystone Mines)	OME-6640 Contract 2259	Royalty

Received in Branch of Budget and Finance 11/28/69
by Lorraine E. Edwards
Collection Officer

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6640 : Smelter Lot No. 7
OME-6640 : Lot No. 2879

November 24, 1969
Date Prepared

J. William Hasler
J. William Hasler, Field Officer
Region III, OME

Date Received

Distribution:
✓Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

11744
RECEIVED
U.S. GEOLOGICAL SURVEY
NOV 28 10 48 AM '69
BUDGET & FINANCE

AMA-47

CADMIUM PAYMENT FOR OCTOBER, 1969

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER KEYSTONE MINES COMPANY
LOT NO. 6 Thru 8
SHIPPER NO.
ASARCO NO.
ADDRESS TOOELE, UTAH
MONTH NOV - - 1969
CLASS ZINC CONCENTRATES
MINE
SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region III RECEIVED NOV 17 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO								.31				
SHIPPER												
UMPIRE												
SETTLEMENT								.31				

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
6	10-7						61.2540	Dry Tons
7	10-14						62.8070	" "
8	10-28						57.2620	" "
TOTAL							181.3230	" "

Budget & Finance Copy

PAYMENTS:	
.31% = 6.20 Pounds Cadmium x	
40% = 2.48 Pounds Cadmium x	
181.3230 Dry Tons = 450	Pounds
Pay Cadmium x $2.75 Per	Pound
= $1,237.50	

DEDUCTIONS:	
IRON AND MANGANESE	
BASE CHARGE	
ZINC PRICE ADJUSTMENT	
LABOR ADJUSTMENT	
FUEL ADJUSTMENT	
NET VALUE PER TON	

QUOTATIONS DATE OCTOBER, 1969
GOLD SILVER LEAD
COPPER ZINC
Cadmium $3.50 - $.75 = $2.75 Per Pound
LABOR RATE $ FUEL RATE $
VALUE ORE F.O.B. Amarillo, Texas

181.3230 TONS @	1,237.50	
FREIGHT VALUATION RATE		
OME-6640 CONTRACT 22259		
UMPIRE MCFARLAND & HULLINGER		
KEYSTONE MINES		
PROVISIONAL PAYMENT		
Colorado Tax 1.5%	18.56	
ROYALTY 5 % TO OME	61.88	
Royalty 12.357% To Asarco	152.92	
TOTAL DUE SHIPPER	1,004.14	

Gas Contract Price SEPT '69 Fuel	17.5
Ore Contract Fuel Clause Base Price	16.0
Variation;	1.5
Fuel Adjustment 1.5 @ .40	.60
Average Hourly Labor Cost	3.545
Average Hourly Labor Cost Per Contract	2.719
Variation:	.826
Labor Adjustment .826 @ .15	12.39

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File (

CORRECT: CORRECT:

RGW

Douglas County
SEP 11 1995
Clerk and Recorder
Deed Recorded

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 7 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH NOV 1969

CLASS ZINC CONCENTRATES MINE LOT MINE SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region III RECEIVED NOV 17 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.001	3.91	.95	1.56	47.70	12.90	.70					
SHIPPER	.005	4.43	1.40	1.80	47.88							
UMPIRE R&S		4.197										
SETTLEMENT	.003	4.197	1.175	1.68	47.79	12.90	.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
10-9	10-14	1581	MP	611976	142,420	11.8	125,614	581.79
				TOTAL		16,806		

Budget & Finance Copy

Gas Contract Price SEPT '69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation; 1.5
Fuel Adjustment 1.5 @ .40 .60
Average Hourly Labor Cost 3.545
Average Hourly Labor Cost Per Contract 2.719
Variation: .826
Labor Adjustment .826 @ .15 12.39

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File (

PAYMENTS:	
GOLD	
SILVER 80% @ 1.814(1.829-.015) -1.5 Units	6.09
LEAD 65% @ .1315(.155-.0235)	—
COPPER 65% @ .44589(52089-.075)	9.74
ZINC 85% @ .1492(.155-.0058)	118.73
DEDUCTIONS:	
IRON AND MANGANESE	3.05
BASE CHARGE Zn @ 10.0	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	12.39
FUEL ADJUSTMENT	.60
NET VALUE PER TON	63 oz

QUOTATIONS DATE 10-(13-17)-69
GOLD 40.640 SILVER 1.82900 LEAD .15500
COPPER .52089 ZINC .15500

LABOR RATE $ 3.545 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

62.8070 TONS @ 63 oz	3958	10
FREIGHT VALUATION ____ RATE 8.17	581	79
Trucking @ 6.00 per ton	427	26
UMPIRE OME 6640 CONTRACT 229		
MCFARLAND & HULLINGER		
KEYSTONE MINES		
PROVISIONAL PAYMENT		
Colorado Tax @ 1.5%	44	24
ROYALTY 5 % TO OME	168	82
Royalty 12.357% to ASARCO	364	41
TOTAL DUE SHIPPER	2371	58

CORRECT: RJC CORRECT: RGW

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

11/14/69

BOUGHT OF: KEYSTONE MINES CO.
ADDRESS: ~~P. O. BOX 238, TOOELE, UTAH 84074~~
SHIPPING POINT: ~~SALICA, COLO.~~
NAME OF MINE: ~~KEYSTONE~~

EL PASO, TEXAS, 19
SMELTER LOT: 2877.
SHIPPERS LOT: 7
CLASSIFICATION: [illegible]
PURCHASE TERMS: EP 969

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

RECEIVED NOV 18 1969 Denver, Colorado

MIX	ARRIVAL DATE	CAR NUMBER	CAR RR	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	WET WEIGHT	% H2O	DRY WEIGHT	QUOTATIONS
751	10/21	55527	DRG				148240	11.0	131934	SILVER 1.872
										LEAD .1550
										COPPER .51775
										HG 40.15
										ZN .14257
										B/L DATE: 10-14

ASSAYS	OZ. PER TON GOLD	OZ. PER TON SILVER	WET LEAD %	COPPER %	SiO2 %	FE %	CaO %	ZN %	S %	Al2O3 %	AS %	SB %	NI %	BI %	%	%
SMELTER	.015	36.0	39.0	4.38				11.2			.48	.18		.12		
SHIPPER	.02	37.17	40.3	4.57												
UMPIRE		36.4325	40.90													
METALLICS																
SETTLE	.0175	36.4325	40.3	4.475												

Burlington and Cheyenne

W VALUES PER TON

PAYMENT		PAY CONTENT	PRICE	AMOUNT		FREIGHT (FIXED)	
GOLD	MIN. 94 %	.01645	40.15		66		66
SILVER, LESS 286	MIN. 95%	34.610875	1.857	64	27	64	27
LEAD, LESS	20@90 %	707.4	.13053	92	34	32	21
COPPER, LESS 89.5	15@95 %	70.775	.44384	31	41	4	54
GROSS VALUE				188	68	101	68
LESS DEDUCTIONS (NET CHARGE)				17	11	13	61
FREIGHT VALUE				x x	x	88	07
NET VALUE				171	57	@ 65.967	

DEDUCTIONS	CHARGE		CREDIT	
BASE, INCL. LABOR ADJ.	17	11		
EXCESS VALUE OVER $				
¢ PER UNIT PB/CU ± %				
LEAD--~~COPPER~~ PRICE ESCALATOR			-3	50
ZINC				
AS: SB: BI:				
NET CHARGE	17	11		

=78.38 WET TON
DRY TONS

	DEBITS		CREDITS	
			11317	96
LESS FREIGHT: 74.12 WET TONS @ 946 P.T.	701.	18		
LESS SWITCHING: RESETS: 1@3.49 REWEIGHS:	3	49		
LESS SAMPLING:				
LESS UMPIRE: CRISMAN & RICHARDS	7	—		
LESS HAULING: 74.12 WT @ 6.00 (McFARLAND & HULLINGER)	444	72		
LESS REPRESENTATION:				
LESS ROYALTY: 12.357% NSR	1355	67		
✓ ✓ 5% FREIGHT ASSAYING (OME)	530	31		
LESS ADVANCE:				
GEN'L PROF TAX 1½% NSR	152	42		
BALANCE DUE SHIPPER/~~SMELTER~~	8223	17		
TOTALS	11317	96	11317	96

OME-6640 CONTRACT 2259
McFARLAND & HULLINGER
KEYSTONE MINES

10161.57

Form 7
-/63)

OFFICIAL FILE COPY

Date	Surname	Code
11/28/69		120
		120
		220
		[illegible]

AIRMAIL

DEC 1 1969

McFarland and Hullinger
Keystone Mine
Crested Butte, Colorado 81224

Re: OME-6640 (Silver)
McFarland and Hullinger
Keystone Mine
Gunnison County, Colorado
Contract 2259

Gentlemen:

We have the following comments on the Joint Venture Agreement of Keystone Mines Company between Mc and H., Inc., and TOSCO Mines Corporation dated April 1, 1969, which you recently sent to Mr. J. W. Hasler, OME Field Officer, Region III.

In Article X Representations of Mc and H, Inc., Paragraph 10.1.3 Title to Lands and Personalty we note reference to the liens granted to secure an OME loan. Obviously, this refers to the Lien and Subordination Agreements signed by ASARCO and by Park City Consolidated Mines Company, owners of the land described in the OME contract. The Joint Venture Agreement makes no reference, as required by Article 2(c) of the OME contract, to the Operator's responsibility to the Government for the payment of a royalty on production. In lieu of such reference in the Agreement, this letter will suffice to advise each party to the Agreement of the Government's right to royalty on production.

Has McFarland and Hullinger, a partnership, and Operator under the OME contract, been dissolved and/or superseded by Mc and H., Inc., a Colorado corporation? If an assignment of interests was executed, please furnish us with a copy.

Paragraph 10.1.3 also states in part that, "---for the lien given to secure an OME loan on which there was due as of February 1, 1969 a balance of $84,396.18 in principal, not including interest which accrues at the rate of 7-1/2 percent per annum,---." An additional $1,063.82 was paid by the Government for work completed and approved in February 1969

under the subject contract. Government payments on the contract totalled $85,260.00, and as of October 31, 1969 this amount was the outstanding balance on the principal. The balance of accrued interest on that date was $2,302.04. Royalties payments received prior to that date had been applied to payment of interest.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: TOSCO Mines Corporation
Attention: Mr. Charles F. Jurgens
18200 West Highway 72
Golden, Colorado 80401

Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
OME Region III
Mr. Kirkemo

130

HKirkemo/bsl 12/1/69

XXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXX

1. Assoc. Sol. MR, Room 6554
(Through Rm. 6042)

2. Harold [illegible], Chief, OME
Room 4460, Interior Bldg.

SOLICITOR
NOV 21 1969
INTERIOR DEPT.

22784.323

OME-6640 McFarland and Hullinger

NOTE:

Herewith is a draft of a letter we propose sending to the Operator and to TOSCO Mines Corp., We would appreciate any comments or revisions you may have before we prepare the final version. Return docket (if any) and/or distribution copies to Office of Minerals Exploration, Room 4450, Interior Building

Kirk

DRAFT 11/21/69
HKirkemo/bsl

Larry

AIRMAIL

McFarland and Hullinger
Keystone Mine
Crested Butte, Colorado 81224

Re: OME-6640 (Silver)
McFarland and Hullinger
Keystone Mine
Gunnison County, Colorado
Contract 2259

Gentlemen:

We have the following comments on the Joint Venture Agreement of Keystone Mines Company between Mc and H., Inc., and TOSCO Mines Corporation dated April 1, 1969, which you recently sent to Mr. J. W. Hasler, OME Field Officer, Region III.

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Has McFarland and Hullinger, a partnership, and Operator under the OME contract, been dissolved and/or superseded by Mc and H., Inc., a Colorado corporation? If an assignment of interests was executed, please furnish us with a copy.

Paragraph 10.1.3 also states in part that, "--- for the lien given to secure an OME loan on which there was due as of February 1, 1969 a balance of $84,396.18 in principal, not including interest which accrues at the rate of 7-1/2 percent per annum,---." An additional $1,063.82 was paid by the Government for work completed and approved in February 1969 under the subject contract. Government payments on the contract totalled $85,260.00, and as of October 31, 1969 this amount was the outstanding balance on the principal. The balance of accrued interest on that date was $2,302.04. Royalties payments received prior to that date had been applied to payment of interest.

Sincerely yours,

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: TOSCO Mines Corporation
Attention: Mr. Charles F. Jurgens
etc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
U. S. Geological Survey -- Denver Federal Center
Building 25 -- Room 2284
Denver, Colorado 80225

- ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NUMBERS	Purpose
10/20/69	$316.64	The State National Bank El Paso, Texas	McFarland and Hullinger Keystone Mines	OME-6640 Contract 2259	Royalty
11/7/69	$180.67	Continental Bank & Trust Company, Salt Lake City, Utah	United Park City Mines Co. Heber, Utah	OME-6074 Contract 2110	Royalty
11/13/69	$2,736.50	Morgan Guaranty Trust Company of New York New York 15, New York	Homestake Mining Co., Bulldog Mountain	OME-6288 Contract 2166	Royalty

Nov 19

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6640: Lot No. 2467
OME-6074: Lot No. 4269, Mine Lot Cozy-DOME-14
OME-6288: Lot No. 2761

11/14/69
Date Prepared

Person Preparing Abstract
J. William Hasler, Field Officer,
Region III, OME

Date Received

Person Receiving Remittance

Distribution:
Orig. & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D.C.
Abst. of Rem. Ledger
Hasler chron
OME chron

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

10/26/69

BOUGHT OF Keystone Mining Co. — EL PASO, TEXAS, 19
ADDRESS Denver, Colo. — SMELTER LOT 2462
SHIPPING POINT Alma, Colorado — SHIPPERS LOT
NAME OF MINE Keystone — CLASSIFICATION
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS EL PAS

OME Division
RECEIVED
NOV 12 1969
Denver, Colorado

MIX.	ARRIVAL DATE	CAR NUMBER	CAR RR	GROSS WEIGHT	TARE WEIGHT	CONTAINERS NO.	CONTAINERS WEIGHT	WET WEIGHT	% H2O	DRY WEIGHT	QUOTATIONS
706	9/5	55546	DRG					180.6.9		147266	SILVER 1.675
											LEAD .1050
											COPPER .4766
											Au .40
											B/L DATE: 8-31

ASSAYS	OZ. PER TON GOLD	OZ. PER TON SILVER	WET LEAD %	COPPER %	SiO2 %	FE %	CaO %	ZN %	S %	Al2O3 %	AS %	SB %	NI %	BI %	%	%
SMELTER		18.0	32.4	2.00				10.8								
SHIPPER	.02	15.58	33.6	2.16												
UMPIRE	.016	18.18	31.93													
METALLICS																
SETTLE	.016	18.18	32.4	2.08												

Buckskin and Gamma Corp

VALUES PER TON

PAYMENT	PAY CONTENT	PRICE	AMOUNT	FREIGHT (FIXED)
GOLD 94% MIN. %	.01504	40.844	.61	.61
SILVER. LESS 1% MIN. %	17.18	1.66055	28.52	28.52
LEAD. LESS 2 @ 90 % 46	56.52	.13053	73.78	25.73
COPPER. LESS 15 @ 95 %	25.27	.41766	10.55	1.62
GROSS VALUE			113.46	56.48
LESS DEDUCTIONS (NET CHARGE)			17.14	13.64
FREIGHT VALUE			x x x	42.84
NET VALUE			96.32	@ 73.6330

DEDUCTIONS	CHARGE	CREDIT
BASE, INCL. LABOR ADJ.	17.14	17.14
EXCESS VALUE OVER $		
¢ PER UNIT PB/CU ± %		
LEAD--COPPER PRICE ESCALATOR		-3.50
ZINC		
AS: SB: BI:		
NET CHARGE	17.14	13.64
30.88 WET TON		
DRY TONS		

	DEBITS	CREDITS
		707.33
LESS FREIGHT: 79.09 WET TONS @ 946 P.T.	748.19	
LESS SWITCHING: RESETS: REWEIGHS:		
OME-1640 CONTRACT 72541		
LESS SAMPLING: MCFARLAND AND HULLINGER		
LESS UMPIRE: American Analytical KEYSTONE MINES	11.38	
1½% To NSR	87.87	
LESS HAULING: 79.09 tons @ $6.00	474.54	
LESS REPRESENTATION: Crocker Co		
LESS ROYALTY: 12% NSR	707.99	
5% FT+S	316.64	
LESS ADVANCE: 9/18	3700 —	
BALANCE DUE SHIPPER/~~SMELTER~~	1050.72	
TOTALS	707.33	707.33

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

- ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
11/3/69	$1,272.04	The State National Bank El Paso, Texas	MCFARLAND & MULLINGER KEYSTONE MINES	OME-6640 CONTRACT 2250	Royalty
10/27/69	$2,149.83	Denver United States National Bank Denver, Colorado	CONSOLIDATED PARNETT WELLINGTON MINE	OME-6112 CONTRACT 2124	Royalty

Remarks: (List smelter or mill lot numbers covered by royalties)

OME-6640: Lot Nos. 2619 and 2775
OME-6112: Lot Nos. 1, 6, 222, 2, 3, 4, 5,3758-B

11/7/69
Date Prepared

J. William Hasler, Field Officer
Region III, OME

Date Received

Distribution:

Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

11/5/69

BOUGHT OF Keystone Mines Co.
ADDRESS P.O. Box 238 Tooele, Utah 84074
SHIPPING POINT Solida, Colo
NAME OF MINE Keystone

EL PASO, TEXAS, 19
SMELTER LOT 2615
SHIPPERS LOT 5
CLASSIFICATION
PURCHASE TERMS EP 869

RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE

OME Region III RECEIVED NOV 7 X 1969 Denver, Colorado

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight	Quotations
719	[illegible]	[illegible]	[illegible]					12[illegible]	8.2	15650	Silver 1.86
											Lead .1550
											Copper 52.141
											Au. 40.811
											Zn .1450
											B/L Date: 9-17

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.015	33.3	43.1	2.96				9.9			.38	.18		.10		
Shipper	.017	33.3	43.8	3.30												
Umpire		33.1625	42.91	3.14												
Metallics																
Settle	.0175	33.3	43.1	3.14												

Budget and Purchase Copy

W Values Per Ton W L

Payment	Pay Content	Price	Amount	Freight (Fixed)
Gold Min. 94%	.016450	40.811	67	67
Silver, Less Min. 95%	31.635	1.845	58 37	58 37
Lead, Less 20 @ 90%	757.8	.13053	98 92	34 50
Copper, Less 15 @ 95%	45.41	.44550	20 23	2 91
62.8				
Gross Value			178 19	96 45
Less Deductions (Net Charge)			17 14	13 64
Freight Value			x x x	82 81 = 76.02 Wet Ton
Net Value			161 05	@ 78.2505 Dry Tons

Deductions	Charge	Credit
Base, Incl. Labor Adj.	17 14	17 14
Excess Value Over $		
¢ Per Unit Pb/Cu ± %		
Lead--~~Copper~~ Price Escalator		-3 50
Zinc		
As: Sb: Bi:		
Net Charge	17 14	13 64

	Debits	Credits
Net Value		126 02 24
Less Freight: 85.24 Wet Tons @ 9.46 P.T.	806 39	
Less Switching: Resets: 1 @ 3.49 Reweighs:	3 49	
Less Sampling:		
Less Umpire: Amer. analysis & Research	12 50	
Less Hauling: 85.24 wt @ 6.00 = (McFarland & Hullinger)	511 44	
Less Representation:		
Less Royalty: 12% NSR	1352 21	
✓ ✓ 5% Frt., Treatment & Assaying (OME)	588 99	
~~Less Advance~~: Gen Prop. Tax 1.5% NSR	169 03	
Balance Due Shipper/~~Smelter~~	9158 21	
Totals	12602 24	12602 24

OME-6640 CONTRACT 1969 MCFARLAND AND HULLINGER KEYSTONE MINES

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

11/5/69

BOUGHT OF Keystone Mines Co — EL PASO, TEXAS, 19
ADDRESS PO Box 238 Tooele, Utah — SMELTER LOT 2225.
SHIPPING POINT Salida, Colo. — SHIPPERS LOT 6
NAME OF MINE Keystone — CLASSIFICATION
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare	Containers Kind	Containers Wt.	Wet Weight	% H2O	Dry Weight	Quotations
738	1969	55262	DRG					133580.	8.0	123262	Silver 1.832
											Lead .1550
											Copper .52108
											Au 40.754
											B/L Date: 10-1

ONE Report RECEIVED NOV 7 X 1969 Denver, Colorado

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	61.1	46.5	4.49				—			.40	.15		.70		
Shipper	.03	61.49	48.3	4.75												
Umpire	.021		47.70													
Metallics																
Settle	.021	61.295	47.70	4.62												

Bridge and Co

Values Per Ton

Payment	Pay Content	Price	Amount	Freight (Fixed)
Gold Min. 94%	.019740	40.754	80	80
Silver, Less Min. 95%	58.23025	1.817	105 80	105 80
Lead, Less 20 @ 90%	840.6	.13053	109 72	38 27
Copper, Less 15 @ 95%	73.53	.44517	32 73	4 71
92.4				
Gross Value			249 05	149 58
Less Deductions (Net Charge)			17 11	13 61
Freight Value			x x x	135 97
Net Value			231 94	@ 61.631

Deductions	Charge	Credit
Base, Incl. Labor Adj.	17 11	17 11
Excess Value Over $		
¢ Per Unit Pb/Cu ± %		
Lead--~~Copper~~ Price Escalator	—	-3 50
Zinc		
As: Sb: Bi:		
Net Charge	17 11	13 61
=125.09 Wet Ton		
Dry Tons		

	Debits	Credits
Net Charge	17 11	13 61
Net Value		14294 69
Less Freight: 66.99 Wet Tons @ 946 P.T.	63 72	
Less Switching: Resets: Reweighs:		
Less Sampling:		
Less Umpire:	—	
Less Hauling: 66.99 wt @ 6.00 (McFarland & Hullinger)	401 94	
Less Representation:		
Less Royalty: 5% Fees Treatment & Assaying (OME)	683 05	
Royalty 12,357 90 NSR	1638 42	
~~Less~~ Advance: Gen Mining Tax 1½% NSR	198 89	
Balance Due Shipper/~~Smelter~~	10738 66	
Totals	14294 69	14294 69

OME - 6640. CONTRACT 2235
McFARLAND AND HULLINGER
Fees & nickels KEYSTONE MINES

Lead Dept. — Copper Dept.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

nw 12

- ABSTRACT OF REMITTANCES -

14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
10/24/69	$1,808.88	The State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
10/24/69	$2,826.16	Morgan Guaranty Trust Co. of New York, N.Y., N.Y.	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
10/24/69	$ 179.86	Continental Bank & Trust Co., Salt Lake City, Utah	United Park City Mines Heber, Utah	OME-6074 Contract 2110	Royalty
10/28/69	$ 186.26	The First National Bank of Amarillo, Amarillo, Tex.	McFarland & Hullinger Keystone Mines	OME-6640 Contract 2259	Royalty
10/30/69	$ 146.11	Continental Bank & Trust Co., Salt Lake City, Utah	United Park City Mines Co., Heber, Utah	OME-6074 Contract 2110	Royalty
10/30/69	$1,726.91	The State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
11/3/69	$1,698.73	The State National Bank El Paso, Texas	Homestake Mining Co. Bulldog Mountain	OME-6288 Contract 2166	Royalty
11/3/69	$ 178.04	The First National Bank of Amarillo, Amarillo, Tex.	McFarland & Hullinger Keystone Mines	OME-6640 Contract 2259	Royalty

nw 12

Remarks: (List smelter or mill lot numbers covered by royalties)

Lot Nos.:

OME-6288: Lot No. 2631
OME-6288: Lot No. 2628
OME-6074: Lot No. 4256
OME-6640: Lot No. 5
OME-6074: Lot No. 4263
OME-6288: Lot. No. 2762

11/6/69
Date Prepared

J. William Hasler, Field Officer
Region III, OME

Date Received

OME-6288: Lot No. 2715
OME-6640: Lot No. 6

Distribution:

Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 5 ASARCO NO.

ADDRESS P.O. BOX 238, ~~TOOELE~~ UTAH 84074 MONTH OCT 1969

CLASS ZINC CONCENTRATES MINE LOT MINE SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region III RECEIVED NOV 5 X 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl		
ASARCO	.001	4.17	.65	1.70	48.90	12.00	.70				
SHIPPER	.005	4.85	1.20	2.10	49.24						
UMPIRE R&S		4.297	1.00	2.11							
SETTLEMENT	.003	4.297	1.00	2.10	49.07	12.00	.70				

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
	9-30	1581	ITC	3504	137,820	10.40	123,487	562.99
				TOTAL		14,333		562.99

Berkart & Jarrard Copy

Gas Contract Price Aug 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation: 1.5
Fuel Adjustment 1.5 @.40 = .60
Average Hourly Labor Cost 3.575
Average Hourly Labor Cost Per Contract 2.719
Variation: .856
Labor Adjustment .856 @.15 = 12.84

COPIES TO: (15)

KEYSTONE MINES COMPANY
P. O. BOX 238
Tooele, Utah 84074 (3 w/check)

KEYSTONE MINES COMPANY
P. O. BOX 468
Crested Butte, Colorado (2 w/umpire)

McFARLAND & HULLINGER
P. O. BOX 238
Tooele, Utah 84074 (1 w/trucking check)

U. S. GEOLOGICAL SURVEY
DENVER FEDERAL CENTER, BLDG. 25, ROOM 2284
DENVER, COLORADO 80225 (2 w/check)

AMERICAN SMELTING & REFINING CO.
NORTHWESTERN DEPARTMENT
WALLACE, IDAHO 83873 (1 w/credit advice)

MR. REED F. WELCH (1)

MR. C. J. ROBERTS (1)

FILE (4)

PAYMENTS:

GOLD	
SILVER 80% @1.862(1.877-.015) -1.5 Units	6.40
LEAD 65% @.1315(.155-.0235)	—
COPPER 65% @.44575(.52075-.075)	12.17
ZINC 85% @ .1492(.155-.0058)	122.55

DEDUCTIONS:

IRON AND MANGANESE	2.60
BASE CHARGE Zn @ 10.0	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	12.84
FUEL ADJUSTMENT	.60
NET VALUE PER TON	69.58

QUOTATIONS DATE 9-29/10-3-69

GOLD 40.775 SILVER 1.87700 LEAD .15500

COPPER .52075 ZINC .15500

LABOR RATE $ 3.575 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

61.7435 TONS @ 69.58	4296	11
FREIGHT VALUATION ____ RATE 8.17	562	99
Trucking @ 6.00 per ton	413	46
UMPIRE A&S OME-6640	8	00
CONTRACT 22594 McFARLAND-HULLINGER		
PROVISIONAL PAYMENT KEYSTONE MINES		
Colorado Tax @ 1.5%	49	67
ROYALTY 5 % TO OME	186	26
Royalty 13.000 % to ASARCO	430	52
TOTAL DUE SHIPPER	2645	21

CORRECT: RJC CORRECT: RGW

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 6 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH OCT 1969

CLASS ZINC CONCENTRATES MINE LOT MINE SHIPPED FROM CRESTED BUTTE, COLORADO

OME Region VI RECEIVED NOV 4 x 1969 Denver Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.001	4.51	1.10	2.00	47.85	12.30	.70					
SHIPPER	.007	5.25	1.10	2.20	48.04							
UMPIRE C & N		4.896										
SETTLEMENT	.004	4.896	1.10	2.10	47.945	12.30	.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGE
	10-7	1581	DRGW	55546	136,880	10.50	122,508	559.15
				TOTAL		14,372		559.15

Budget & Finance Copy

PAYMENTS:	
GOLD	
SILVER 80% @ 1.817(1.832-.015) -1.5 Units	7.12
LEAD 65% @ .1315(.155-.0235)	—
COPPER 65% @ .44608(.52108-.075)	12.18
ZINC 85% @ .1492(.155-.0058)	119.20
DEDUCTIONS:	
IRON AND MANGANESE	2.75
BASE CHARGE Zn @ 10.0	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	12.39
FUEL ADJUSTMENT	.60
NET VALUE PER TON	67 26

QUOTATIONS DATE 10-(6-10)-69

GOLD 40.754 SILVER 1.83200 LEAD .15500

COPPER .52108 ZINC .15500

LABOR RATE $ 3.545 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

61.2540 TONS @ 67 26	4	119	94
FREIGHT VALUATION ____ RATE 8.17		559	15
Trucking @ 6.00 per ton		410	64
UMPIRE OME-6640			
CONTRACT 22591			
MCFARLAND HULLINGER			
PROVISIONAL PAYMENT KEYSTONE MINES			
Colorado Tax @ 1.5%		47	25
ROYALTY 5 % TO OME		178	04
Royalty 12.357 % to ASARCO		389	26
TOTAL DUE SHIPPER	2	535	60

Gas Contract Price SEPT '69 Fuel	17.5
Ore Contract Fuel Clause Base Price	16.0
Variation;	1.5
Fuel Adjustment 1.5 @ .40	.60
Average Hourly Labor Cost	3.545
Average Hourly Labor Cost Per Contract	2.719
Variation:	.826
Labor Adjustment .826 @ .15	12.39

COPIES TO: (16)

Keystone Mines Company
P. O. Box 238
Tooele, Utah 84074 (3 w/check)

Keystone Mines Company
P. O. Box 468
Crested Butte, Colorado (2 w/umpire)

McFarland & Hullinger
P. O. Box 238
Tooele, Utah 84074 (1 w/trucking check)

U.S. Geological Survey
Denver Federal Center, Building 25, Room 2284
Denver, Colorado 80225 (2 w/check)

American Smelting & Refining Company
Northwestern Department
Wallace, Idaho 83873 (1 w/credit advice)

Mr. Charles F. Jurgens
The Oil Shale Corporation
18200 West Highway 72
Golden, Colorado 80401 (1)

Mr. Reed F. Welch (1), Mr. C. J. Roberts (1), File

CORRECT: RJC CORRECT: RGW

Office of Minerals Exploration
Building 53 Room 200

OFFICIAL COPY
O. M. E.
RECEIVED
NOV 13 1969
INITIALS | CODE
HK | 120
glr | 130
220

November 7, 1969

American Smelting and Refining Company
El Paso Smelting Works
El Paso, Texas 79999

Attention of: Mr. W. E. Gillespie and Mr. C. F. Carroll

Dear Sirs:

On October 24, 1969, we received a check from the American Smelting and Refining Company in the amount of $316.64. We wrote the same day, requesting two copies of the settlement sheet for this amount. As of today, November 7, 1969, we have not heard from you. The part of the check to be detached indicated it was for voucher No. 10122 for the month of October, 1969, Lot 2469 for Royalty-Keystone Mining Company. The No. of the check is 52710.

We are retaining the check until such time as we receive the settlement sheets, so will appreciate your immediate attention to this matter.

Sincerely yours,

J. William Hasler

J. William Hasler, Field Officer, Region III
Office of Minerals Exploration

cc: Chief, OME
OME chron
OME-6640 Royalty Correspondence
Mr. Hasler

OMF 6448

OME Region III
RECEIVED
NOV 12 1969
Denver, Colorado

October 27, 1969

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration - U. S. Geological Survey
Denver Federal Center - Bldg 53 - Room 200
Denver, Colorado 80225

Dear Sir:

Referring to your letter of October 24, 1969 concerning our check number 52710 in the amount of $316.64, royalty payment on Keystone Mining Company lot number 2469, we are enclosing two copies of settlement sheets.

You state that the settlement sheet should also include the OME number of the docket and contract number, however, this office does not have this information. If you could furnish us with these numbers, we will show the same on future settlement sheets.

Very truly yours,

A. LIEBERT

OFFICIAL COPY
O. M. E.
RECEIVED
NOV 17 1969
INITIALS CODE
HK 120
130

CFC/ea

encls.

IN REPLY REFER TO:

6640

OFFICIAL COPY
O. M. E.
RECEIVED
OCT 29 1969
INITIALS | CODE
gla | 120
| 120
HK | 120
| 220

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

ABSTRACT OF REMITTANCES -
14X0804000

DATE	AMOUNT	BANK, CITY & STATE	NAME OF REMITTER	DOCKET & CONTRACT NOS.	PURPOSE
10/14/69	$113.99	The First National Bank of Amarillo, Texas	McFarland & Hullinger (Keystone Mining Co.)	OME-6640 Contract 2259	Royalty
10/16/69	$1,641.62	The State National Bank El Paso, Texas	Homestake Mining Co. (Bulldog Mountain)	OME-6288 Contract 2166	Royalty
10/17/69	$1,722.45	The State National Bank El Paso, Texas	Homestake Mining Co. (Bulldog Mountain)	OME-6288 Contract 2166	Royalty
10/17/69	$ 467.14	Continental Bank & Trust Co. Salt Lake City, Utah	United Park City Mines	OME-6074 Contract 2110	Royalty
10/17/69	$ 170.69	The First National Bank of Amarillo, Amarillo, Texas	McFarland & Hullinger (Keystone Mining Co.)	OME-6640 Contract 2259	Royalty
10/22/69	$ 889.86	The State National Bank El Paso, Texas	Homestake Mining Co. (Bulldog Mountain)	OME-6288 Contract 2166	Royalty
10/22/69	$ 441.63	The State National Bank El Paso, Texas	McFarland & Hullinger (Keystone Mining Co.)	OME-6640 Contract 2259	Royalty

Received in Branch of Budget and Finance 10/28/69
by Lorraine G. Ledyard
Collection Officer

Remarks: (List smelter or mill lot numbers covered by royalties)
10/14/69--OME-6640-- Lot No. 1 thru 5
10/16/69--OME6288 -- Lot No. 2516
10/17/69--OME 6288-- Lot No. 2533
10/17/69--OME 6074-- Lot No. 4249, Mine Lot. Cozy-DOME-11

10/24/69 (Please see below)
Date Prepared

J. William Hasler
J. William Hasler, Field Officer
Region III, OME

Date Received

10/17/69 -- OME 6640 -- Lot No. 4
10/22/69 -- OME 6288 -- Lot No. 2682
10/22/69 -- OME 6640 -- Lot No. 2578

Distribution:
Original & 2 to:
Chief, Br. of Budget and Finance
(with checks and one copy of subdocument)
Chief, OME Washington, D. C
Abst. of Rem. Ledger
Hasler chron
OME chron

AMA-47

CADMIUM PAYMENT FOR SEPTEMBER, 1969

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY — LOT NO. 1 Thru 5 — ASARCO NO.

ADDRESS TOOELE, UTAH — MONTH OCT - - 1969

CLASS ZINC CONCENTRATES — MINE LOT — MINE — SHIPPED FROM GUNNISON COUNTY, COLORADO

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO								.29				
SHIPPER												
UMPIRE												
SETTLEMENT								.29				

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
1	9-4						54.4950	Dry Tons
2	9-9/12	Budget & Jenny					119.3980	" "
3	9-19			Cozy			61.5105	" "
4	9-25						60.1210	" "
5	9-30						61.7435	" "
			TOTAL				357.2680	" "

PAYMENTS:

.29% = 5.80 Pounds Cadmium x
40% = 2.32 Pounds Cadmium x
357.2680 Dry Tons = 829 Pounds
Pay Cadmium x $2.75 Per Pound
= $2,279.75

DEDUCTIONS:

IRON AND MANGANESE
BASE CHARGE
ZINC PRICE ADJUSTMENT
LABOR ADJUSTMENT
FUEL ADJUSTMENT

NET VALUE PER TON

QUOTATIONS DATE SEPTEMBER, 1969

GOLD — SILVER — LEAD

COPPER — ZINC

Cadmium $3.50 - $.75 = $2.75 Per Pound

LABOR RATE $ — FUEL RATE $

VALUE ORE F.O.B. Amarillo, Texas

357.2680 TONS @ — 2,279.75

FREIGHT VALUATION — RATE

OME-6640

UMPIRE McFarland & Hullinger

Contract 2259

Keystone Mines Co

PROVISIONAL PAYMENT Gunnison Co. Colo

Colorado Tax 1.5% — 34.20

ROYALTY 5 % TO OME — 113.99

Royalty 12.357% To Asarco — 281.71

TOTAL DUE SHIPPER — 1,849.85

Gas Contract Price Aug 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation: 1.5
Fuel Adjustment 1.5 @.40 = .60
Average Hourly Labor Cost 3.575
Average Hourly Labor Cost Per Contract 2.719
Variation: .856
Labor Adjustment .856 @.15 = 12.84

COPIES TO: (15)

KEYSTONE MINES COMPANY
P. O. BOX 238
Tooele, Utah 84074 (1 w/check)

KEYSTONE MINES COMPANY
P. O. BOX 468
Crested Butte, Colorado (2 w/umpire)

McFARLAND & HULLINGER
P. O. BOX 238
Tooele, Utah 84074 (1 w/trucking check)

U. S. GEOLOGICAL SURVEY
DENVER FEDERAL CENTER, BLDG. 25, ROOM 2284
DENVER, COLORADO 80225 (2 w/check)

AMERICAN SMELTING & REFINING CO.
NORTHWESTERN DEPARTMENT
WALLACE, IDAHO 83873 (1 w/credit advice)

MR. REED F. WELCH (1)

MR. C. J. ROBERTS (1)

FILE (4)

OME Region III RECEIVED OCT 15 1969 Denver, Colorado

CORRECT: RJC — CORRECT: RGW

AMA-47

AMERICAN SMELTING & REFINING COMPANY
AMARILLO PLANT

ORE SETTLEMENT
FIGURING SHEET

SHIPPER NO.

SHIPPER KEYSTONE MINES COMPANY LOT NO. 4 ASARCO NO.

ADDRESS P.O. BOX 238, TOOELE, UTAH 84074 MONTH OCT 1969

CLASS ZINC CONCENTRATES MINE LOT 5 MINE SHIPPED FROM GUNNISON COUNTY, COLORADO

OME RECEIVED OCT 20 1969 Denver, Colorado

ASSAYS	Au	Ag	Pb	Cu	Zn	Fe	Mn	Cd	Cl			
ASARCO	.001	3.69	.86	1.20	48.85	12.40	.70					
SHIPPER	.010	3.96	1.10	1.62	49.34							
UMPIRE C&N				1.73								
SETTLEMENT	.0055	3.825	.98	1.62	49.095	12.40	.70					

DATE SHIPPED	DATE REC'D.	DUMP NO.	CAR INITIAL	CAR NUMBER	WET WEIGHT	H2O %	DRY WEIGHT	FREIGHT CHARGES
9-22	9-25	1581	DRGW	55539	134,800	10.8	120,242	550.66
				Budget & Finance Copy				
				TOTAL		14,558		

PAYMENTS:	
GOLD 75.2% @ 40.811	—
SILVER 80% @ 1.345 (1.860-.015) -1.5 Units	5.65
LEAD 65% @ .1315 (.155-.0235)	—
COPPER 65% @ .44641 (.52141-.075)	9.40
ZINC 85% @ .1492 (.1550-.0058)	122.63
DEDUCTIONS:	
IRON AND MANGANESE	2.80
BASE CHARGE Zn @ 10.0	50.00
ZINC PRICE ADJUSTMENT	5.50
LABOR ADJUSTMENT	12.84
FUEL ADJUSTMENT	.60
NET VALUE PER TON	65 94

QUOTATIONS DATE 9-(22-26)-69

GOLD 40.811 SILVER 1.8600 LEAD .15500

COPPER .52141 ZINC .15500

LABOR RATE $ 3.575 FUEL RATE $ .175

VALUE ORE F.O.B. Amarillo, Texas

60.1210 TONS @ 65 94	3964	38
FREIGHT VALUATION _____ RATE 8.17	550	66
Trucking @ 6.00 PER TON	404	40
UMPIRE OME-6640 Cont 2	95	91
The Mariland Hullinger		
Keystone Mines Co.		
PROVISIONAL PAYMENT Amarillo Co.		
Colorado Tax @ 1.5%	45	14
ROYALTY 5 % TO OME	170	69
Royalty 13.0000 % to ASARCO	391	21
TOTAL DUE SHIPPER	2402	28

Gas Contract Price AUG 69 Fuel 17.5
Ore Contract Fuel Clause Base Price 16.0
Variation: 1.5
Fuel Adjustment 1.5 @.40 = .60
Average Hourly Labor Cost 3.575
Average Hourly Labor Cost Per Contract 2.719
Variation: .856
Labor Adjustment .856 @.15 = .84

COPIES TO: (15)

KEYSTONE MINES COMPANY
P. O. BOX 238
Tooele, Utah 84074 (3 w/check)

KEYSTONE MINES COMPANY
P. O. BOX 469
Crested Butte, Colorado (2 w/umpire)

McFARLAND & HULLINGER
P. O. BOX 238
Tooele, Utah 84074 (1 w/trucking check)

U. S. GEOLOGICAL SURVEY
DENVER FEDERAL CENTER, BLDG. 25, ROOM 2284
DENVER, COLORADO 80225 (2 w/check)

AMERICAN SMELTING & REFINING CO.
NORTHWESTERN DEPARTMENT
WALLACE, IDAHO 83873 (1 w/credit advice)

MR. REED F. WELCH (1)

MR. C. J. ROBERTS (1)

FILE (4)

CORRECT: RJC

CORRECT: RGW

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

10/21/69

BOUGHT OF Keystone Mining Co. — EL PASO, TEXAS, 19
ADDRESS P.O. Box 738 Tooele Utah 84074 — SMELTER LOT 2578.
SHIPPING POINT Salt Lake City — SHIPPERS LOT 4
NAME OF MINE Keystone — CLASSIFICATION PS 2.
RATES, EXCEPT ON CONTRACTS, SUBJECT TO CHANGE WITHOUT NOTICE — PURCHASE TERMS EP 969

Mix	Arrival Date	Car Number	Car RR	Gross Weight	Tare Weight	Containers No.	Containers Weight	Wet Weight	% H2O	Dry Weight
1/3 2/3 711 742	9/8	362938	CO.					136980	6.9	127528

Quotations: Silver 1.778; Lead .1550; Copper .51919; Zn .1450; Au 40.945

B/L Date: 9-13

OME Region RECEIVED OCT 24 1969 Denver, Colorado

Burlington Northern Company

Assays	Oz. per Ton Gold	Oz. per Ton Silver	Wet Lead %	Copper %	SiO2 %	Fe %	CaO %	Zn %	S %	Al2O3 %	As %	Sb %	Ni %	Bi %	%	%
Smelter	.01	27.2	43.6	2.75				9.4								
Shipper	.005	28.4	43.8	2.98												
Umpire	.02	28.01														
Metallics																
Settle	.02	28.01	43.7	2.865												

Values Per Ton

Payment	Pay Content	Price	Amount		Freight (Fixed)	
Gold Min. 94%	.0188	40.945		77		77
Silver Less Min. 95%	26.6095	1.763	46	91	46	91
Lead Less 20 @ 90% 870	768.6	.13053	100	33	34	99
Copper Less 15 @ 95% 57.3	40.185	.44328	17	81	25	75
Gross Value			165	82	108	42
Less Deductions (Net Charge)			17	14	13	64
Freight Value			x x	x	94	78
Net Value			148	68	@ 63.764	

Deductions	Charge		Credit	
Base, Incl. Labor Adj.	17	14	17	14
Excess Value Over $				
¢ Per Unit Pb/Cu ± %				
Lead-~~Copper~~ Price Escalator			-3	50
Zinc				
As: Sb: Bi:				
Net Charge	17	14	13	64
= 88.24 Wet Ton				
Dry Tons			9480	43

	Debits		Credits	
Less Freight: 68.49 Wet Tons @ 946 P.T.	647	92		
Less Switching: Resets: Reweighs:				
Less Sampling:				
Less Umpire: Rust & Simpson	—			
Less Hauling: 68.49 wt @ 6.00 To McFarland & Anthinger	410	94		
Less Representation:				
Less Royalty: 5% Frt, Treatment & Assaying	441	63		
Royalty 12% NSR	1010	59		
~~Less Advance~~: Gen Property Tax 1.5% NSR	126	32		
Balance Due Shipper/~~Smelter~~	6843	03		
Totals	9480	43	9480	43

Standard Form No. 1048
7 GAO 5000
1048-104

COPY FOR OME

MEMORANDUM

PUBLIC VOUCHER FOR REFUNDS

Voucher No. 97177

U. S. Interior, Geological Survey
(Department or Establishment, Bureau or Office)

Location: Washington, D. C. 20242

Appropriation or Fund: 14X6875(08)

PAID BY

To
Address
McFarland & Hullinger
Keystone Mine
P.O. Box 238
Tooele, Utah 84704

Amount withheld
~~XXXXXXXXXXXX~~ Deposit received from the above-named depositor on April 8, 1969

for pending submission of final report on OME Contract 2259

has been applied as herein stated and the balance indicated is returned herewith:

Amount of deposit Sch. 95847 - Feb. voucher $ 200.00

Applied as explained in "Remarks" below

Balance authorized to be refunded $ 200.00

Remarks:

Acceptable final report has been received per memo Chief, Office of Minerals Exploration, 5/27/69.

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 9 1969

INITIALS	CODE
gla	130
[illegible]	120
HK	120
6/5/69	

Refund by
Check No.
Cash, $ on
Other method, $, (Describe)

☆ U.S. GOVERNMENT PRINTING OFFICE : 1960 O—572727

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

March 27, 1969

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O. M. E.
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APR 1 1969

INITIALS	CODE
	~~130~~
bsl	120
HK	120

Memorandum

To: Acting Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: OME-6640 (Silver)
McFarland and Hullinger
Keystone Mining Property
Gunnison County, Colorado
Contract 2259

Transmitted herewith are the original and two copies of the Form 9-1648 with supporting documents for the month of February, 1969 on the above-stated subject, recommended for payment.

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Enclosures

J. B. 4/25/69
from michael

FORM 9-1648
MARCH 1968

OFFICIAL COPY O. M. E. RECEIVED APR 10 1969 INITIALS CODE 430

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

OPERATOR'S MONTHLY VOUCHER

For Month of February 1969

Docket No. OME- 6640 (Silver)
Contract 14-08-0001 2259
Contract Amount $113,680.00
Gov't. Participation % 75 $85,260.00

Operator's Name McFarland & Hullinger - Keystone Mine
Address P. O. Box 238 - Tooele, Utah 84704

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
Crosscut Drifting	Ft. None	$ None	551.50	$ 25,313.85	—	$ —	551.50	$25,313.85
Drifting	None	None	1569.58	72,043.72	—	—	1,569.58	72,043.72
Drift Timber	None	None	51.80	334.11	—	—	51.80	334.11
Raising	26.48	1,151.88	265.78	11,561.43	26.48	1,151.88	265.78	11,561.43
Analytical Work	None	None	167	1,419.50	—	—	167	1,419.50
Bulldozing (Snow Removal)	None	None	200.50	3,007.50	—	—	200.50	3,007.50
								See other side
TOTALS		$1,151.88		$113,680.11		$1,151.88		$113,680.11

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

Date MAR 17 1969 *Payee McFARLAND & HULLINGER

Per J. D. McFarland Title partner

*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 J. William Hasler 3/27/69
OME Field Officer Date

863.82 (63)14X0804
200.00 14X6875(63)

Approved for: $ 663.82
(SUBJECT TO AUDIT)

Signature MW

Date APR 8 1969 Vou. No. 95847
(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS
	Withheld of 200. pending submittal of a final geologic & engineering report. GWH

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.

95847

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:

Mofarland & Hullinger - Keystone Mine
P. O. Box 238
Tooele, Utah 84704

Amount Claimed:	Differences (Explained Below)	Amount Approved
1,151.88	200.00	1,151.88 863.82 Gov. Part. less 200.00 663.82
Bu. Voucher No.	Payee's Invoice No.	Period
	Docket #6640 Contract #2259	February, 1969

EXPLANATION

Withholding $200.00 pending receipt of final report.

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

OME Region III
RECEIVED
MAR 18 1969
Denver, Colorado

Crested Butte, Colo.
Keystone Mine
February 14, 1969

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 Rm. 203
Denver, Colorado 80225

Re: OME 6640 (Silver)
Contract 2259
Progress Report for Feb. 1969

Dear Mr. Hasler:

Attached herewith is our final monthly voucher for work completed under the captioned subject contract along with a vertical section map showing assay data and work completed on the 1367 Raise.

As our OME funds are now depleted for silver exploration, I have shown on the attached voucher only the amount of raise footage completed (26.40 feet) to consummate the remaining balance of funds in the contract. This is in accordance with your instructions as per our last telephone conversation.

We are still badly in need of approval by OME on our proposed Amendment No. 2 for additional funds to further explore the N-Keystone vein structure for additional ore reserves to re-activate our mining and milling operations.

A final "Geological and Engineering Report" will be forthcoming as required by Article 5-C in the OME contract.

Respectfully submitted,

Max T. Evans - Supt.
Keystone Mine
McFarland & Hullinger

Att:

Telephone 363-3302

Hand Sample Serial 5139-5143

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS

Feb. 6, 1969

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7239		4.36	9.9	0.441		8.1					
7240		2.44	8.6	0.239		7.8					
7241		3.70	10.3	0.453		8.4					
7242		0.34	0.6	0.063		1.9					
7243		5.12	12.1	1.020		10.8					

Remarks P.O. #12962

Charges $ 43.75

Glen P. Williams

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

PHONE 363-7417 — 229-231 SOUTH WEST TEMPLE STREET — P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 February 14, 1969

Mc Farland & Hullinger

WE HAVE ASSAYED YOUR three SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7244		3.60	13.05	0.93	7.50				
	7245		9.20	24.65	1.44	6.40				
	7246		3.60	7.95	0.62	12.40				

REMARKS:

CHARGES $ 22.50

CRISMON & NICHOLS

BY Crismon

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 February 24, 1969

Mc Farland & Hullinger

WE HAVE ASSAYED YOUR six SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7247		1.90	4.90	0.21	4.20				
	7248		0.40	Trace	0.31	1.20				
	7249		2.20	5.90	0.36	4.25				
	7250		1.50	1.55	0.15	2.55				
	7251		2.40	7.85	0.46	2.00				
	7252		0.20	0.90	0.56	0.80				

REMARKS:

CHARGES $ 45.00

CRISMON & NICHOLS

BY: Crismon

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

SALT LAKE CITY, UTAH 84110

REPORT OF ASSAY

March 4, 1969

Mc Farland & Hullinger (Req.# 12974)

WE HAVE ASSAYED YOUR five SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

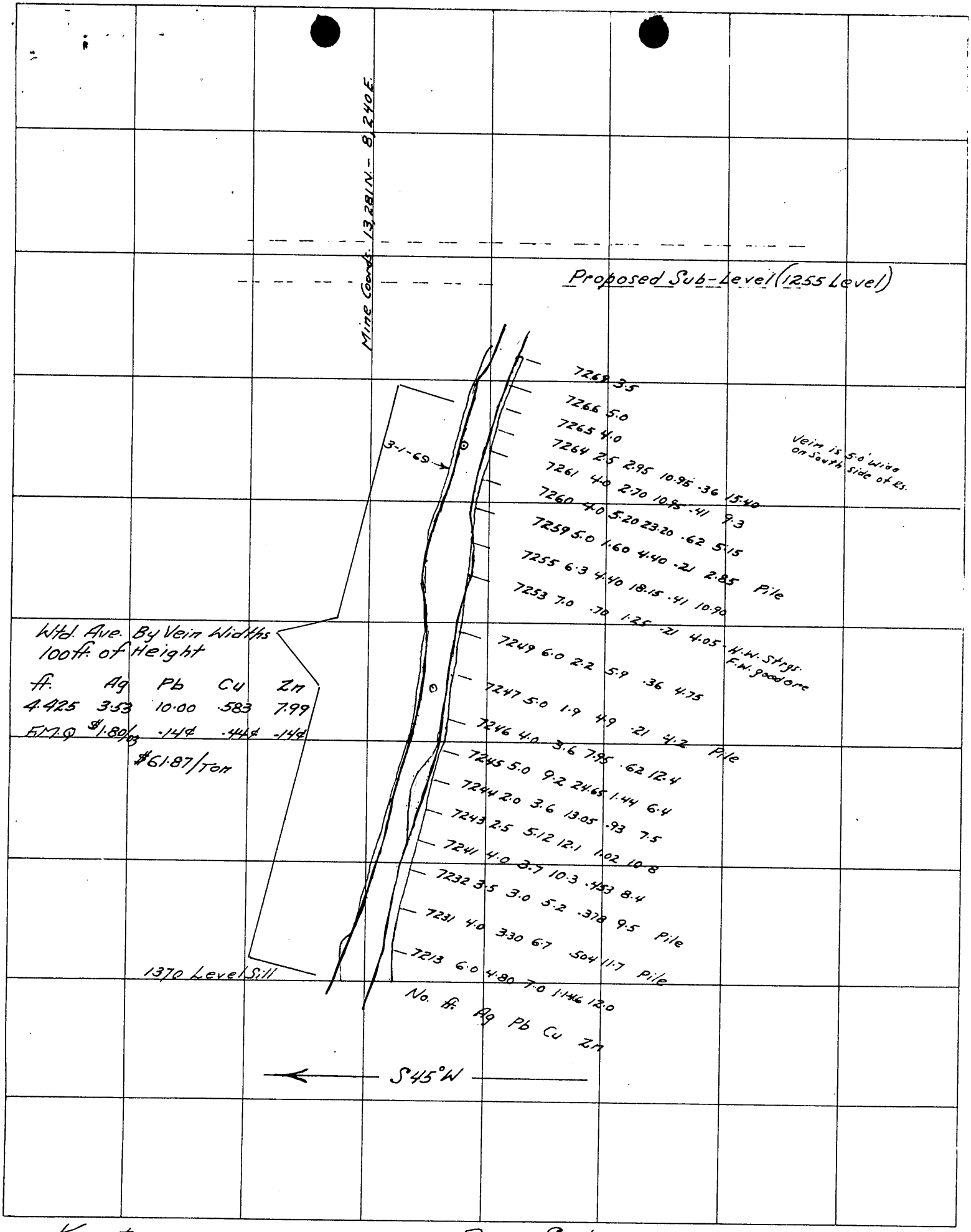
DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7253		0.70	1.25	0.21	4.05				
	7254		6.36	16.15	0.93	18.00				
	7255		4.40	18.15	0.41	10.90				
	7256		1.62	2.30	0.38	1.25				
	7257		1.10	2.20	0.36	3.95				

REMARKS:

CHARGES $ 37.50

CRISMON & NICHOLS

BY P. M. Crismon



MINE Keystone LOCATION 1367 Raise Section LEVEL 1370

GEOLOGY BY M.T.E. SURVEY M.T.E. SCALE 1" = 20 ft. DATE 3-3-69

QUAHADA ENGINEERING, GRAND JUNCTION, COLO.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

February 12, 1969

OFFICIAL COPY
O. M. E.
RECEIVED
FEB 17 1969

INITIALS	CODE
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bal	120
~~TH~~	~~120~~
HK	~~120~~

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: OME-6640 (Silver)
McFarland and Hullinger
Keystone Mining Property
Gunnison County, Colorado
Contract 2259

Transmitted herewith are the original and two copies of the Operator's Monthly Voucher for the month of January, 1969 with substantiating data on the above-captioned subject.

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Enclosures

FORM 9-1648
MARCH 1968

OFFICIAL COPY
O. M. E.
RECEIVED
MAR 3 1969
INITIALS CODE

HK 3/25/69

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

OPERATOR'S ~~MONTHLY VOUCHER~~ For Month of January 1969

Docket No. OME- 6640 9(Silver)
Contract 14-08-0001 2259
Contract Amount $ 113,680.00
Gov't. Participation % 75 $ 85,260.00

Operator's Name McFarland & Hullinger - Keystone Mine
Address P. O. Box 238 - Tooele, Utah 84704

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
Crosscut Drifting	None	$ None	551.50	$ 25,313.85	—	$ —	551.50	$25,313.85
Drifting	143.20	6,572.88	1569.58	72,043.72	143.20	6,572.88	1,569.58	72,043.72
Drift Timber	25.50	164.47	51.80	334.11	25.50	164.47	51.80	334.10
Raising	25.50	1,109.25	239.30	10,409.55	25.50	1,109.25	239.30	10,409.55
Analytical Work 163 Assays to Date	22	187.00	163	1,385.50	22	187.00	163	1,419.50
Bulldozing (Snow Removal)	69	1,035.00	200.50	3,007.50	69	1,035.00	200.5	3,007.50
TOTALS		$9,068.60		$112,494.23		$9,068.60		$112,528.22

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

Date 2/10/69 *Payee McFARLAND & HULLINGER

Per J. S. McFarland Title partner

*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 J. William Hasler OME Field Officer Date 2/12/69

(63) 14X0804

Approved for: $ 6801.45
(SUBJECT TO AUDIT)

Signature

Date MAR 3 1969

95127
Vou. No.

(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 payment of the final Operator's Monthly Voucher.

Crested Butte, Colo.
Keystone Mine
February 8, 1969

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 Rm. 203
Denver, Colorado 80225

Re: OME 6640 Silver
Contract 2259
Progress Report for Jan. 1969

Dear Mr. Hasler:

Drifting and raising advances completed during the month of January 1969 under the above captioned contract are outlined as follows:

1370 N-Keystone Drift

Drifting advance amounting to 143.20 feet was completed on the 1370 Level N-Keystone drift during the month of January 1969. Lenticular vein ore varying in width from 1.0 to 5.0 feet was followed the entire distance.

1364 and 1367 N- Keystone Raises

The 1364 and 1367 N-Keystone timbered raises were advanced up dip 15.00 feet and 10.50 feet respectively during the month. Three samples collected from these raises assayed as follows:

No.	Raise	Ft.	Ag	Pb	Cu	Zn
7224	1364 Trk +13'	4.0	3.00	7.8	.352	5.8
7231	1367 " +13'	4.0	3.30	6.7	.504	11.7
7232	1367 " +20'	3.5	3.00	5.2	.378	9.5

A total of 22 assays were taken from the OME project area during the month and are shown on the attached geological map and assay sheets.

McFarland and Hullinger completed diamond drill hole 13-4 @-45 degrees below the 1370 level to a total depth of 244 feet during the month. Some 33% of the soft vein ore was lost in core recovery. Results are shown on the attached geological map.

Extreme snow conditions amounting to 105 inches in two storms required 69 hours of dozer work to maintain the project area access roads.

Respectfully submitted,

Max T. Evans - Supt
Keystone Mine - McFarland & Hullinger

Att:

Telephone 363-3302

and Sample Serial 815-823

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS Jan. 7, 1969

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7212		3.50	4.0	0.441		4.2					
7213		4.80	7.0	1.146		12.0					
7214		2.60	4.9	0.466		11.4					
7215		2.58	4.4	0.541		10.9					
7216		1.14	1.0	0.189		1.8					
7217		1.46	1.7	0.277		6.0					
7218		3.10	4.5	0.768		10.1					
7219		1.60	2.3	0.214		4.4					
7220		1.50	1.9	0.289		1.5					

Remarks P.O. #12943

Charges $ 78.75

Glen P. Williams

Telephone 363-3302

Sample Serial 2439-2444

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS Jan. 17, 1969

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7221		6.00	13.4	0.894		15.5					
7222		1.30	2.1	0.201		4.5					
7223		2.90	3.0	0.378		10.2					
7224		3.00	7.8	0.352		5.8					
7225		1.30	3.1	0.151		7.4					
7226		5.60	8.3	0.415		9.4					

Remarks P.O.#12947

Charges $ 52.50

G. P. Williams

Telephone 363-3302

and Sample Serial 3088-3093

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS Jan. 23, 1969

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7227		2.30	3.8	0.201		8.6					
7228		1.60	2.4	0.226		8.1					
7229		3.02	4.1	0.226		3.8					
7230		5.80	15.1	0.743		12.0					
7231		3.30	6.7	0.504		11.7					
7232		3.00	5.2	0.378		9.5					

Remarks

Charges $ 52.50

Glen P. Williams

Telephone 363-3302

and Sample Serial 4355-60

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado

RESULTS PER TON OF 2000 POUNDS Jan. 31, 1969

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7233		3.48	5.6	0.907		16.0					
7234		1.80	2.7	0.289		10.1					
7235		1.70	2.9	0.138		5.3					
7236		1.26	2.1	0.189		7.6					
7237		1.00	0.9	0.252		11.1					
7238		1.40	3.4	0.138		10.5					

Remarks P.O. 12961

Charges $ 52.50

Glen P. Williams

9-1648
MARCH 1968

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

ORIGINAL COPY
O. & M.
RECEIVED
FEB 6 1969

INITIALS

OPERATOR'S MONTHLY VOUCHER

For Month of December 1968

Docket No. OME- 6640 (Silver)
Contract 14-08-0001 3259
Contract Amount $ 113,680.00
Gov't. Participation % 75 $85,260.00

Operator's Name McFarland & Hullinger - Keystone Mine
Address P. O. Box 238 - Tooele, Utah 84704

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
Crosscut Drifting	Ft. None	$ None	551.50	$25,313.85	—	$ —	551.50	$ 25,313.85
Drifting	187.95	8,626.90	1426.38	65,470.84	187.95	8,626.90	1426.38	65 470.84
Drift Timber	None	None	26.30	169.63	—	—	26.30	169.63
Raising	71.20	3,097.20	213.80	9,300.30	71.20	3,097.20	213.8	9,300.30
Analytical Work (145 assays to date)	41	348.50	145	1,232.50	~~41~~ OK HK	~~348.50~~ 348.50 OK HK	~~145~~ OK HK	~~1,232.50~~ 1,232.50 OK HK
Bulldozing (Snow Removal)	56.5	847.50	131.5	1,972.50	56.5	847.50	131.5	1,972.50
TOTALS		$ 12,920.10		$ 103,459.62		$ ~~12,920.10~~ 12,920.10 OK HK		$ ~~103,459.62~~ 103,459.62 OK HK

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

Date 1/16/69 *Payee McFARLAND & HULLINGER

Per J. D. McFarland Title partner

*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. See other side. OK HK

Signature J. William Hasler OME Field Officer Date 1/23/69

(63) 14X0804

Approved for: $ 9,690.08 (SUBJECT TO AUDIT)

Signature mo

Date FEB 4 1969 Vou. No. 94564

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS (Nos 7122-7128) Original assay certificate for submitted with November voucher. Original claim for December assay approved. H. Kirkbemo

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.

Crested Butte, Colo.
Keystone Mine
January 11, 1969

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 Rm. 203
Denver, Colorado 80225

Re: OME 6640 Silver
Contract 2259
Progress Report for Dec. 1968 and
Amendment No. 2 Proposal.

Dear Mr. Hasler:

Drifting and raising advance completed during the month of December 1968 under the captioned subject contract are outlined in summary form as follows:

1370 N- Keystone Drift

Drifting advance amounting to 187.95 feet was completed on the N - Keystone drift during the month of December 1968. Good grade ore mineralization was followed the entire distance with ore currently showing in the drift face. (See attached 50 scale geologic plan map with assays)

1361 N - Keystone Raise

A 5'X 15' raise including a lagged manway and two ore passes was advanced up dip 71.20 feet during the month. Vein widths varying from 1.5 to 4.5 feet have prevailed throughout the raise in ore grade mineralization.

Snow conditions in the area required 56.5 hours dozer service during the month to maintain the project area access roads.

A total of 41 samples were taken during the month to substantiate grade of mineralization.

McFarland and Hullinger completed two diamond drill holes during the month. Diamond drill hole N. U. No. 2 was drilled to a total depth of 152 feet in the hanging wall of the N-Union vein to test for steeply dipping paralell structures. No vein structures or mineralization were encountered.

Diamond drill hole N. U. No. 3 was drilled to a total depth of 175 feet in the footwall of the N-Union vein to test continuity and width of ore encountered in N. U. No. 1 hole. One foot of ore was located between 134 to 135 feet. (See Attached map for location)

Cont. Mr. J. William Hasler

Amendment No. 2 Proposal

Since the OME approval of Amendment No. 1 was made some 400 feet of substantial silver, copper, lead, zinc ore has been delineated in a northwesterly direction along strike of the N- Keystone vein structure. The encouraging vein widths, grade of mineralization, strength of structure and it's correlation to unexplored surface outcrop ore located 1000 to 1500 feet ahead of the current N-Keystone drift face makes the N-Keystone structure look extremely potential for the discovery of a new major mine.

Due to the potential ore discovered to date under the OME Amendment No. 1, we would like to participate in proposed Amendment No. 2 to drift the N-Keystone vein structure 1500 feet northwesterly under the surface outcrop ore showing. Our proposal for Amendment No. 2 is outlined as fedlows for your review:

N - Keystone Vein

Drifting -	1500 feet	@	$45.90/ ft.	$68,850.00
Drift Timber	150 "	"	6.45/ ".....	967.00
Raising	900 "	"	43.50/ ".....	39,150.00
Assays (Ag, Cu, Pb, Zn)	300	"	8.50 / 4 elements.....	2,550.00
Snow Removal	150	"	15.00/hr.....	2,250.00
			Total (Rounded)	$113,767 .00
U. S. Government participation @ 75%.....				85,325.00

Under the above proposed Amendment No. 2 it is strongly beleived that sufficient silver bearing ore reserves can be delineated to re-activate our mining and milling operations and the possible repayment be made to the U. S. Government OME for their kind monetary assistance.

We would greatly appreciate your conveying a copy of this proposal to the Washington OME office and their kind consideration of same.

Respectfully submitted,

Max T. Evans

Max T. Evans - Supt.
Keystone Mine
McFarland & Hullinger

Att:

Telephone 363-3302

Hand Sample Serial 41034-41031

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary

P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 460
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS Dec. 5, 1968

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
Keystone Mine											
7129		1.54	2.9	0.239		6.4					
7130		4.20	10.2	0.226		10.3					
7131		6.40	13.6	1.032		11.7					
7132		6.30	7.0	1.159		9.6					
7133		3.40	8.4	0.478		13.4					
7134		2.30	11.8	0.327		9.2					

Remarks P.O. #12927

Charges $ 32.50

Glen P. Williams

Telephone 363-3302

Hand Sample Serial 42473-42481

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary

P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS Dec. 16, 1968

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7135		8.20	2.8	1.433		7.2					
7136		0.92	1.5	0.126		3.2					
7137		3.20	4.2	0.491		4.1					
7138		3.62	6.7	0.466		8.2					
7139		4.40	11.5	0.504		11.0					
7140		3.74	7.5	0.604		12.4					
7141		4.10	11.1	0.579		11.0					
7188		4.92	13.3	0.579		14.6					
7189		2.30	5.2	0.151		5.3					

Remarks P.O. #12931

Charges $ 78.75

Glen P. Williams

Telephone 363-3302

Hand Sample Serial 42898-42909

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary

P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hollinger
P.O. Box 458
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS

Dec. 20, 1968

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7190		6.42	16.6	0.768		13.7					
7191		7.42	17.4	1.449		1.4					
7192		4.43	7.7	0.516		10.2					
7193		4.36	4.6	0.693		2.5					
7194		9.28	1.3	3.054		1.4					
7195		2.36	3.9	0.340		8.5					

Remarks P.O.#12931

Charges $ 32.50

Glen P. Williams

Telephone 363-3302

Hand Sample Serial 43720-4372

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary

P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS

Dec. 24, 1968

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7196		2.22	4.8	0.327		7.6					
7197		2.60	5.1	0.252		9.7					
7198		3.52	8.6	0.189		2.4					
7199		1.88	3.6	0.100		2.2					
7200		2.58	6.5	0.252		6.1					
7201		2.64	6.2	0.252		8.4					
7202		1.64	2.8	0.163		3.7					
7203		3.14	9.1	0.368		8.2					

Remarks P.O# 12937

Charges $ 70.00

Glen P. Williams

Telephone 363-3302

Hand Sample Serial 44412-44419

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS

Dec. 30, 1968

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7204		2.46	4.4	0.506		8.6					
7205		6.40	11.9	1.348		2.6					
7206		1.78	4.3	0.277		6.2					
7207		4.64	12.3	0.604		13.9					
7208		2.78	6.4	0.415		9.1					
7209		5.80	17.2	0.705		2.3					
7210		3.10	4.0	0.466		6.6					
7211		2.28	11.0	0.516		3.7					

Remarks P.O.#12940

Charges $ 70.00

Glen P. Williams

Write to Dec. 60 Voucher
Opening date [illegible] 11, 196[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Drilling -	1500 feet	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Raising	900	[illegible]	[illegible]	[illegible]
Assays (Ag, Cu, Pb, Zn)	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		Total (amounts)		[illegible]
U. S. Government participation @ 75%				[illegible]

[illegible] sufficient silver bearing ore reserves [illegible] our mining and milling operations and the [illegible] to the U. S. Government [illegible] balance.

We would greatly appreciate [illegible]

Respectfully submitted,

[illegible]

[illegible]

2/[illegible]

Charles [illegible] Senator [illegible] Frank Johnson
Feb. 14 [illegible] on behalf of [illegible] and [illegible]
for additional funds. [illegible]
and next year's [illegible] outlook is unknown.

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
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W/ Douglas 12/68	STOP
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☆ U. S. GOVERNMENT PRINTING OFFICE: 1968 286-223

U.S. Government Messenger Envelope

Standard Form No. 65
November 1961
General Services Administration
FPMR (41 CFR) 101-11.6

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~~[illegible]~~	STOP		STOP
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Bill Hampshire 881 19th St N.W.	STOP		STOP
~~Harvey Becker~~	STOP		STOP
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~~Harvey Becker~~ ~~[illegible] GSA Bldg.~~	STOP		STOP
Hal James Room 4243 GSA Bldg.	STOP		STOP
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~~Budget & Finance~~ ~~5470 Interior~~	STOP		STOP
OME Rm 4450 Interior	STOP		STOP

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65-107

M 9-1640
MARCH 1968

HK 12/19/68

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

DEC 26 1968 RECEIVED
INITIALS CODE

OPERATOR'S MONTHLY VOUCHER

For Month of November 1968

Docket No. OME- 6640 (Silver)
Contract 14-08-0001 2259
Contract Amount $ 113,680.00
Gov't. Participation % 75 $ 85,260.00

Operator's Name McFarland & Hullinger - Keystone Mine
Address P. O. Box 238 - Tooele, Utah 84704

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
	Ft.	$		$		$		$
Crosscut drifting	None	None	551.50	25,313.85	—	—	551.50	25,313.85
Drifting	204.03	9,364.98	1,238.43	56,843.94	204.03	9,364.98	1,238.43	56,843.94
Drift Timber	None	None	26.30	169.63	—	—	26.30	169.63
Raising	54.20	2,357.70	142.60	6,203.10	54.20	2,357.70	142.60	6,203.10
Analytical Work (104 assays to date)	42	357.00	104	884.00	42	357.00	104	884.00
Bulldozing Snow Removal	24	360.00	75	1,125.00	24	360.00	75	1,125.00
TOTALS		$ 12,439.68		$ 90,539.52		$ 12,439.68		$ 90,539.52

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

Date 12/9/68 *Payee McFARLAND & HULLINGER

Per J. S. McFarland Title partner

*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.

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 J. William Hasler OME Field Officer Date 12/16/68

(63) 14X0804

Approved for: $ 9,329.76
(SUBJECT TO AUDIT)

Signature MO

Date DEC 23 1968 Vou. No. 93709

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
MARKS	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.

ROOT & SIMPSON, Inc.

TEL. 244-3223

METALLURGICAL CHEMISTS AND ASSAYERS

DENVER, COLORADO 80218

P. O. BOX [illegible]329

SPECIMEN ASSAY

ASSAYED FOR	MARKS
McFarland Bullinger	7113,4,5,6

GOLD OZS. PER TON	SILVER OZS. PER TON	WET LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	V_2O_5 PER CENT	U_3O_8 PER CENT	PER CENT	PER CENT
7113	3.98	6.15	0.06	1.75				
7114	6.68	21.2	0.95	6.3				
7115	7.0	13.15	1.33	15.8				
7116	1.0	2.0	0.1	2.35				

DATE

CHARGES $ 12.00

Root & Simpson, Inc.

ROOT & SIMPSON, Inc.

TEL. 244-3223

METALLURGICAL CHEMISTS AND ASSAYERS

DENVER, COLORADO 80218

P. O. BOX [illegible]329

SPECIMEN ASSAY

ASSAYED FOR	MARKS
McFarland Hullinger	7109,10,11,12

GOLD OZS. PER TON	SILVER OZS. PER TON	WET LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	V_2O_5 PER CENT	U_3O_8 PER CENT	PER CENT	PER CENT
7109	3.06	4.15	0.25	3.1				
7110	2.96	8.0	0.25	8.7				
7111	1.12	1.2	0.13	3.55				
7112	1.1	2.3	0.06	3.0				

DATE 11/23/68

CHARGES $ 48.00

Root & Simpson, Inc.

ASSAY CERTIFICATE

McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA O K B PROJECT DATE 12/7/68

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
	# 7169		1.3			1.1	3.3	0.20
	7169		0.4			0.50	1.4	0.10
	7170		0.8			1.4	4.1	0.10
	7171		3.0			6.7	2.6	1.36

LICENSED ASSAYER CERTIFICATE WALTER G. STATLER

ASSAYER Walter G. Statler

ASSAY CERTIFICATE

McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA [illegible] Project DATE 11-12-63

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
	[illegible]72		2.8			4.3	2.1	0.42
	[illegible]73		3.4			11.6	6.0	0.48
	[illegible]74		1.6			2.9	4.4	0.22
	[illegible]75		1.0			1.3	3.2	0.24
	[illegible]76		3.4			7.0	4.6	0.60
	[illegible]77		2.6			2.6	3.9	0.32
	[illegible]78		5.4			22.7	6.7	0.69
	[illegible]79		4.6			20.9	6.2	0.48
	[illegible]80		1.9			4.2	3.9	0.30
	[illegible]81		2.1			7.2	5.0	0.22
	[illegible]82		0.6			1.6	3.6	0.26
	[illegible]83		2.6			6.0	7.3	0.20
	[illegible]84		3.2			9.6	5.3	0.42

ASSAYED AND CERTIFIED BY WALTER G. STALLER EXPIRES DEC. 31, 19 ARIZONA, U.S.A.

Walter G. Staller

ASSAYER

ASSAY CERTIFICATE

McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA — GSB Project — DATE 11-26-60

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
	7100		9.2			15.8	5.0	1.15
	7185		5.4			14.2	3.2	0.24
	7186		5.6			12.0	2.2	0.28

ASSAYER

Telephone 363-3302

Hand Sample Serial 40355-61

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado

RESULTS PER TON OF 2000 POUNDS Dec. 2, 1968

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
Keystone Mine											
7122		5.40	5.9	0.768		7.6					
7123		2.64	4.7	0.226		2.8					
7124		1.54	3.4	0.176		3.0					
7125		1.66	3.8	0.138		2.3					
7126		1.16	1.8	0.176		8.8					
7127		2.14	4.4	0.415		10.5					
7128		4.36	10.5	0.844		14.8					

Remarks Purchase Order 12926

Charges $ 61.25

Glen P. Williams

ROOT & SIMPSON, INC.
METALLURGICAL CHEMISTS AND ASSAYERS
PHONE 244-3223 DENVER, COLORADO 80218
ADDRESS P.O. BOX 18329

ESTABLISHED 1902

CARL H. ROSS
PRESIDENT AND TREASURER

Nov. 20, 1968

Assayed for: McFarland & Hullinger

Lot No.	Oz. Silver per to	Lead percent	Copper percent	Zinc percent
7103	5.3	13.6	0.6	11.7
7104	3.14	4.7	0.15	10.1
7105	0.64	0.85	0.1	0.8
7106	0.76#	1.0	0.1	2.4
7107	5.76	27.4	0.45	5.8
7108	9.76	16.9	1.0	5.3
7185	5.50	12.1	0.05	3.0
7186	5.82	15.3	0.05	2.3
7187	4.46	14.0	0.35	6.8

Charges: $ 108.00

Signed Root & Simpson, Inc.

ASSAY CERTIFICATE

McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA GEO FRANCIS DATE 11-25-68

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
	#7117		1.4			8.6	2.1	0.20
	7118		1.8			3.1	2.7	0.30
	7119		3.1			0.2	8.0	0.38
	7120		1.4			1.4	1.9	0.66
	7121		2.8			5.2	4.4	0.26

ASSAYER _____

Crested Butte, Colo.
Keystone Mine
December 7, 1968

OME Region III
RECEIVED
DEC 10 1968
Denver, Colorado

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 Rm 203
Denver, Colorado 80225

Re: OME 6640 Silver
Contract 2259
Progress Report for Nov. 1968

Dear Mr. Hasler:

Enclosed herewith are vouchers and maps covering the captioned subject contract for the month of November 1968. Progress on the existing contract is outlined as follows:

1363 N-Union Raise

The 1363 N-Union raise was advanced 32.60 feet up dip on the Union vein structure during the month of November. The vein currently shows 6.0 feet of width in the back of raise. Grade of mineralization is not considered economic at this time.

1361 N-Keystone Raise

A 5' x 15' raise including a lagged manway and two ore passes was advanced 21.60 feet up dip on the Keystone vein structure within the subordinated OME block. The center line of manway is located at mine coordinates 12,840 North and 8,715 East. The raise currently shows 4 feet of ore grade mineralization in the back.

N-Keystone Drift

The N-Keystone drift was advanced 204.03 feet during November on the vein structure. Excellent grade ore was discovered over 121 feet of strike length with the drift face currently showing a width of over 6 feet of ore.

McFarland and Hullinger completed a diamond core drill hole to atotal depth of 275 feet in a NE direction from the existing N-Union drift heading. One foot of visible lead-zinc mineralization was found between 226-227 feet.

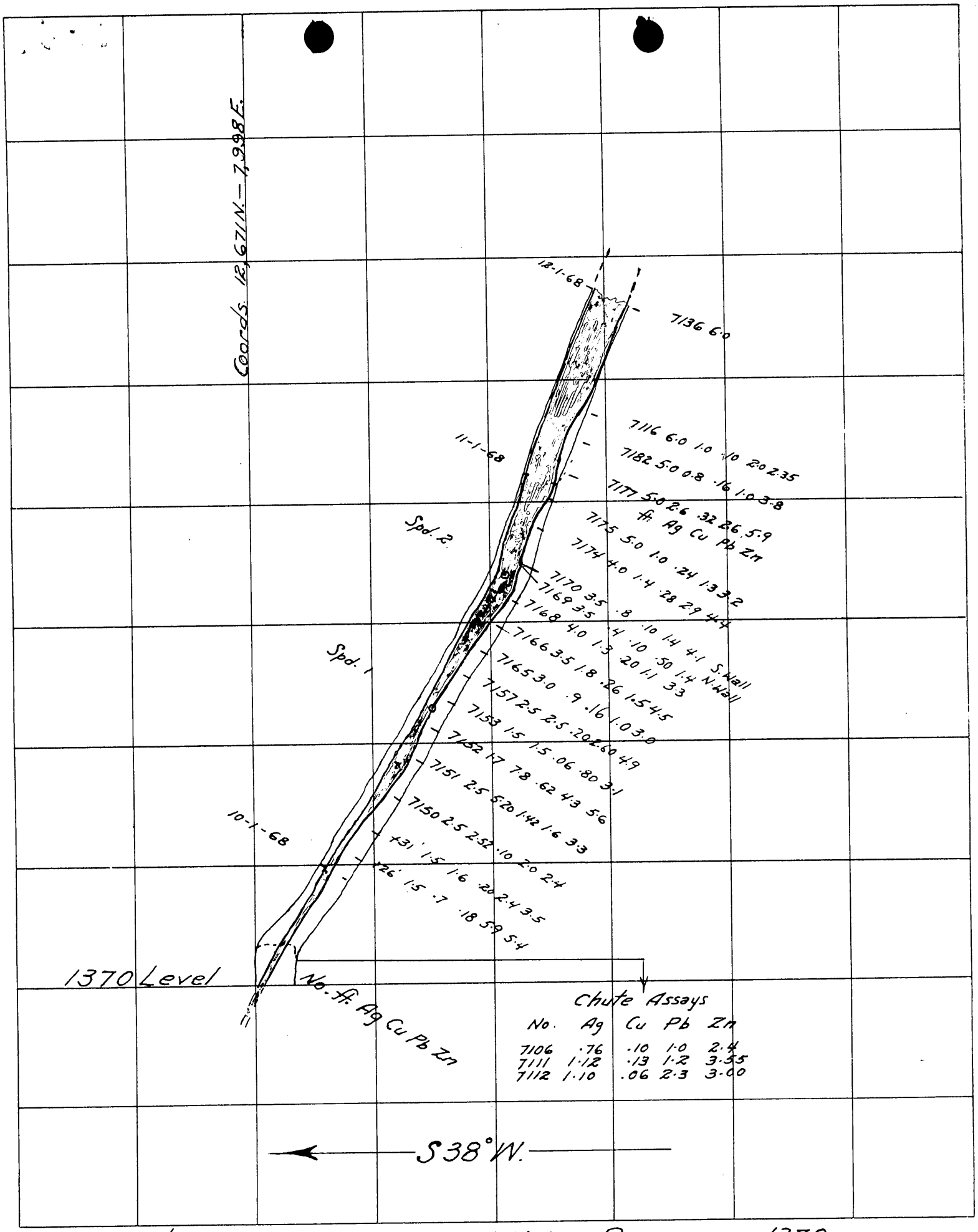
Snow conditions in the area required 24 hours dozer service during the month.

The assay results of all headings active during the month are shown on the attached geological maps, sections and assay certificates.

Respectfully submitted,

Max T. Evans

Max T. Evans - Supt.
Keystone Mine-McFarland & Hullinger



MINE Keystone LOCATION 1363 N. Union Rs. LEVEL 1370

GEOLOGY BY M.T.E. SURVEY X-Sect SCALE 1" = 20 ft. DATE

QUAHADA ENGINEERING, GRAND JUNCTION, COLO.

0500

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
[redacted]	STOP		STOP
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4F 21 GA	STOP		STOP
B 7 7 Rm 5408	STOP		STOP
H. Kirkemo 4459 Interior	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP

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Standard Form No. 65
November 1961
General Services Administration
General Regulation No. 27

U.S. Government Messenger Envelope

65-106

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Library ~~Department of~~ Commerce ~~Room 7046 Main Inter~~Library	STOP	B Budget & Finance Rm 5408 Interior	STOP
Loan Geological Survey Library 19th + F Street, N.W.	STOP	[redacted]	STOP
GSA Bldg. Room 1033 Attn: Interlibrary Loan	STOP	ATLANTIC REGION ENGINEER U. S. GEOLOGICAL SURVEY OLD DOMINION BUILDING ARLINGTON, VIRGINIA 22200	STOP
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FRIEDA ROWE Room 4223 GSA Bldg.	STOP		STOP
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FORM 9-1648
MARCH 1968

HK 11/19/68

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

OPERATOR'S MONTHLY VOUCHER - For Month of October 1968

Docket No. OME- 6640 (Silver)
Contract 14-08-0001 2259
Contract Amount $113,680.00
Gov't. Participation %75 $85,260.00

Operator's Name McFarland & Hullinger - Keystone Mine
Address P. O. Box 238 - Tooele, Utah 84704

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
Crosscut Drifting	Ft. None	$ None	551.50	$25,313.85	—	$ —	551.5	$25,313.85
Drifting	161.00	7,389.90	1034.4	47,478.96	161.0	7,389.90	1,034.4	47,478.96
Drift Timber	None	None	26.30	169.63	—	—	26.3	169.63
Raising	73.40	3,192.90	88.40	3,845.40	73.4	3,192.90	88.4	3,845.40
Analytical Work (62 Assays to date)	21	178.50	62	527.00	21	178.50	62	527.00
Bulldozing (Snow Removal)	None	None	51	765.00	—	—	51	765.00
TOTALS		$10,761.30		$78,099.84		$10,761.30		$78,099.84

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

Date 11/9/68 *Payee McFARLAND & HULLINGER

Per J. R. Hullinger Title Partner

*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 J. William Hasler OME Field Officer Date 11/13/68

(63) 14X0804

Approved for: $ 8070.98
(SUBJECT TO AUDIT)

Signature mo

Date NOV 22 1968 Vou. No. 4105

(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 payment of the final Operator's Monthly Voucher.

Crested Butte, Colo.
Keystone Mine
November 7, 1968

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 Rm. 203
Denver, Colorado 80225

Re: OME 6640 Silver
Contract 2259
Progress Report for Oct. 1968

Dear Mr. Hasler:

Enclosed herewith are the October progress reports, vouchersand maps covering the captioned subject contract.

Keystone Vein

Starting at mine coordinates N. 12,965 - E. 8,638, the N-Keystone drift heading was advanced northwesterly along the vein structure a distance of 161.00 feet during the month. The vein currently shows good ore in excess of 6.00 feet true thickness.

1363 N- Union Raise

The 1363 N-Union raise was advanced 73.40 feet during the month of October, bringing the total height to 88.40 feet above the back of drift on measure day November 1, 1968. The vein currently shows 5.0 feet of ore in the back of raise.

McFarland and Hullinger completed 65.30 feet of drifting in a southeasterly direction along the Union vein structure. The assay results of all headings are shown on the attached geological maps, sections, and assay certificates.

Respectfully submitted,

Max T. Evans - Supt.
Keystone Mine
McFarland & Hullinger

ASSAY CERTIFICATE

McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA CME Project DATE 10-5-68

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
	Keyotone 9-30-68	TR	1.2			1.4	2.8	0.08
	7087	TR	1.9			5.4	6.9	0.26
	7088	.01	2.7			10.5	9.2	0.54
	~~7012~~ 7102	.01	4.7			4.1	3.9	0.60

REGISTERED ASSAYER
CERTIFICATE EXPIRES
WALTER G. STATLER
DEC. 31, 19
ARIZONA, U.S.A.

ASSAYER Walter G. Statler

Telephone 363-3302

Hand Sample Serial 35302-35304

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

Mine McFarland & Hullinger
Box 468
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS

Oct. 22, 1968

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
Keystone Mine											
7150		2.52	2.0	0.100		2.4					
7151		5.20	1.6	1.423		3.3					
7152		7.80	4.3	0.617		5.6					

Remarks Requisition #12900

Charges $ 26.25

Glen P. Williams

ASSAY CERTIFICATE

McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA

DATE 10/22/68

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
	OME Project # 7153		1.5			0.8	3.1	0.06
	" " 7154		1.9			2.4	4.5	0.14
	" " 7155		2.6			1.6	2.9	0.10

REGISTERED ASSAYER
CERTIFICATE EXPIRES
WALTER G. STATLER
DEC. 31, 1968
ARIZONA, U.S.A.

ASSAYER Douglas Thurman

ASSAY CERTIFICATE

McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA **Crested Butte** DATE 11/5/68

DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
# 7156		1.7			2.5	4.6	0.16
7157		2.6			2.6	4.9	0.20
7158		2.2			1.6	2.0	0.18
7159		1.4			1.8	2.3	0.10
7160		2.7			1.8	5.9	0.46
7161		1.2			2.9	2.7	0.34
7162		2.9			1.0	9.6	0.18
7163		4.6			2.1	2.1	0.42
7164		6.8			0.60	2.5	2.44
7165		0.9			1.0	3.0	0.16
7166		1.8			1.5	4.5	0.26
7167		3.0			2.4	11.1	0.56

REGISTERED ASSAYER CERTIFICATE EXPIRES WALTER L. STATLER DEC. 31, 19 ARIZONA, U.S.A.

ASSAYER Walter L. Statler

ASSAY CERTIFICATE

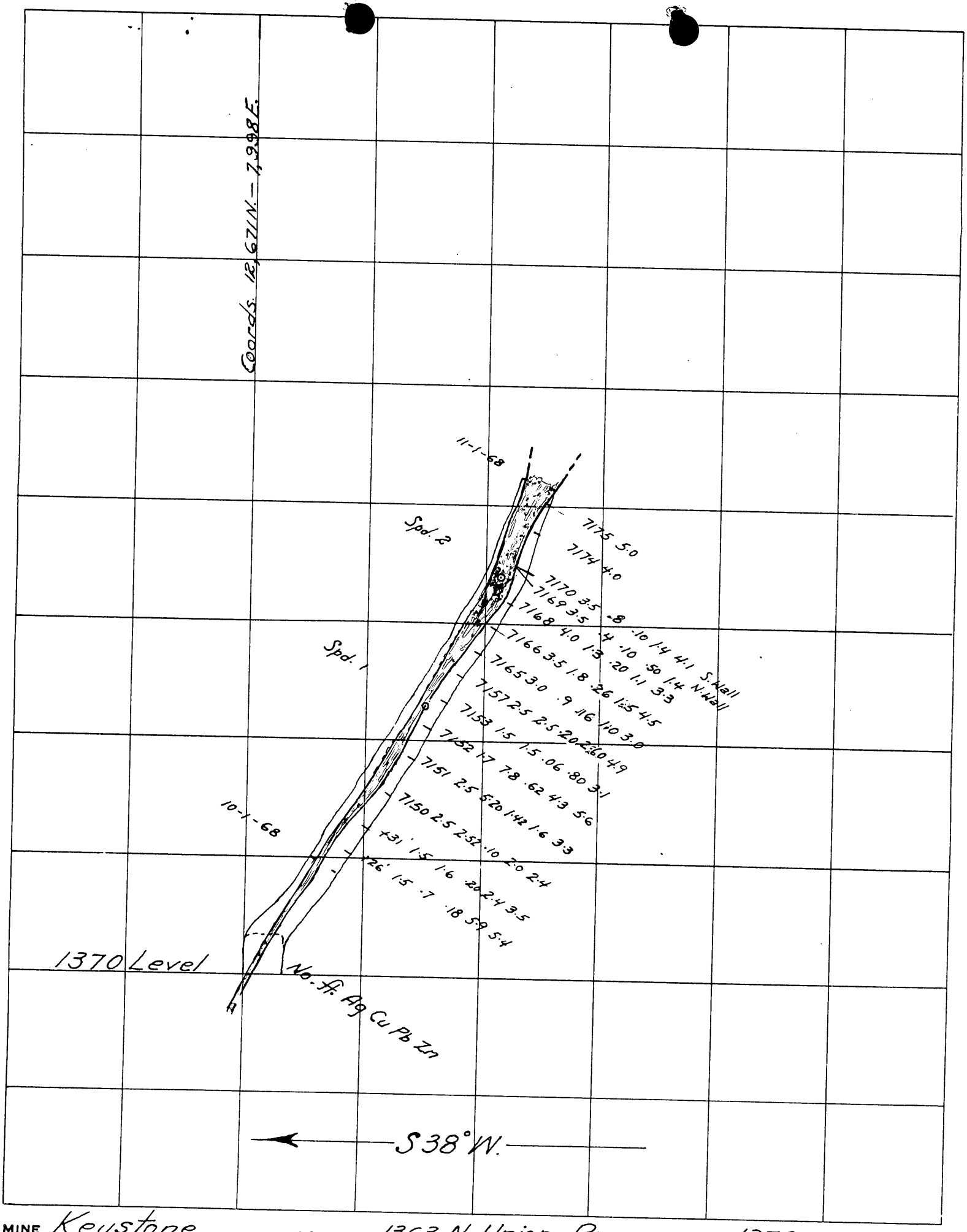
McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA OME Project DATE 10-15-68

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
	N U Raise - 26	TR	0.7			5.9	5.4	0.18
	N U Raise - 31	TR	1.6			2.4	3.5	0.20

ASSAYER Walter S. Statler



MINE Keystone LOCATION 1363 N. Union Rs. LEVEL 1370

GEOLOGY BY M.T.E. SURVEY X-Sect. SCALE 1" = 20 ft. DATE

FORM 9-1648
MARCH 1968

OFFICIAL COPY O. M. E. RECEIVED NOV 12 1968 INITIALS CODE

HK 10/24/68

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

OPERATOR'S MONTHLY VOUCHER

For Month of October 1968

Docket No. OME- 0640 (Silver)
Contract 14-08-0001 2239
Contract Amount $[illegible]
Gov't. Participation 75% $66,433.00

Operator's Name McFarland & Hullinger - Keystone Mine
Address P. O. Box 213 - Tooele, Utah 84074

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
	Ft.	$		$		$		$
Concrete Lining	None	None	551.50	25,313.85	—	—	551.5'	25,313.85
Raises	182.90	8,395.11	873.40	40,089.06	182.9	8,395.11	873.4'	40,089.06
Point Finder	None	None	26.30	169.63	—	—	26.3	169.63
Stoping	15.00	652.50	15.00	652.50	15'	652.50	15'	652.50
Analytical Work (41 assays to date)	3.0	25.50	41.00	348.50	3'	25.50	41	348.50
Bulldozing Trench				765.00				* 765.00
				67338.54				67338.54
TOTALS		$9,073.11		$66,573.54		$9,073.11		$66,573.54

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

Date 10/14/68 *Payee McFARLAND & HULLINGER

Per J.S. McFarland Title Partner

*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 J. William Hasler OME Field Officer Date 10/24/68

14X0804

Approved for: $ 6,804.83 (SUBJECT TO AUDIT)

Signature [illegible]

Date NOV 8 1968 Vou. No. 92915

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS * Left out from Mng. Report

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 Vouc

OME Region III
RECEIVED
OCT 16 1968
Denver, Colorado

Crested Butte, Colo.
Keystone Mine
October11, 1968

Mr. J. William Hasler, Field Officer, RegionIII
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 Rm. 203
Denver, Colorado 80225

Re: OME 6640 Silver
Contract 2259
Progress Report for Sept. 1968

Dear Mr. Hasler:

Drifting on the captioned subject contract advanced 182.90 feet in the North Union Drift during the month of September. Three (3) samples were taken across the vein structure in mineralized areas which warranted sampling. A timbered raise amounting to 15.00 feet of advance was also completed in the 6350 North Area under the current OME contract.

A diamond drill station was excavated in the face of the North Union drift on McFarland and Hullinger account during the month. This drill station will be used to diamond core drill the walls for paralell vein structures.

McFarland and Hullinger completed a total of 148.85 feet of drifting during the month of September on their own account in the Keystone North Drift and Union South Drift. Both drifts show a good grade silver ore.

Respectfully submitted,

Max T. Evans

Max T. Evans - Supt.
Keystone Mine
McFarland & Hullinger

ASSAY CERTIFICATE

McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA OME PROJECT DATE 9-21-68

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
	#7080	Tr.	3.0			9.2	5.4	0.44
	7081		1.7			5.1	5.1	0.26
	7082	.01	2.4			4.3	7.0	0.44
	7083		5.2			5.4	4.6	0.56
	7084	.04	2.7			4.7	4.1	0.26
	7085		2.3			2.5	5.0	0.18
	7086		6.5			2.1	6.4	0.66

ASSAYER Walter G Statler

Office of Minerals Exploration
Building 53 Room 203

October 25, 1968

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: OME-6640 (Silver)
McFarland and Hullinger
Keystone Mining Property
Gunnison County, Colorado
Contract 2259

Transmitted herewith are the original and two copies of Form 9-1648 (Operator's Monthly Voucher) with substantiating documents for the month of September on the above-captioned subject.

J. William Hasler

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

Enclosures

cc: OME-6640
OME chron
Mr. Hasler

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225
Office of Minerals Exploration
Building 53 Room 203

IN REPLY REFER TO:

OFFICIAL COPY

November 1, 1968

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: OME-6640 (Silver)
McFarland and Hullinger
(Keystone Mining Property)
Gunnison County, Colorado
Contract 2259

Transmitted herewith are the "Government's Copy" and the "Budget and Finance's Copy" of Amendment No. 1 on the above-stated contract. The "Operator's Copy" has been retained by the Operator; and the "Field Office's Copy" and "Extra Copy for Field Use" have been retained in the OME Region III field office.

J. William Hasler
mc

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

R. R. CASTO P. M. [illegible]MON ORRIN FISHE[illegible] HAROLD E. CULVER

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE EM 3-7417 P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH August 6, 1968

Mc Farland & Hullinger

WE HAVE ASSAYED YOUR eight SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7037		1.60	5.00	0.08	4.00				
	7038		1.20	3.90	0.13	3.05				
	7039		1.00	3.95	0.15	1.75				
	7040		0.80	0.85	0.21	2.10				
	7050		1.20	2.45	0.46	1.70				
	7051		1.60	2.45	0.26	3.85				
	7052		Trace	6.00	0.21	4.05				
	7053		1.20	4.90	0.15	4.00				

REMARKS: Copy mailed to Tooele

CHARGES $ 60.00

CRISMON & NICHOLS

BY [illegible]

ASSAY CERTIFICATE

McFARLAND & HULLINGER

IRON KING UNIT

HUMBOLDT, ARIZONA

DATE 9-6-68

DESCRIPTION		AU	AG		FE	PB	ZN	CU
McFarland & Hullinger #	7070	.06	3.4			6.6	6.3	0.55
	7071		5.5			5.2	8.5	1.36
1370 Level	7074		6.9			13.3	12.7	0.78
N-Keystone Vein	7075		8.2			7.5	9.4	2.12
	7076		2.2			4.5	8.1	0.30
	7077		4.9			10.0	7.3	0.26
	7097	.06	4.2			3.6	3.7	0.06
	7098	TR.	0.3			0.3	0.5	0.04
	7099	.02	3.0			4.1	9.0	0.10
	7100	.11	25.3			21.4	10.2	1.34
	7101	.12	10.8			11.7	14.5	0.40

ASSAYER Walter G Statler

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

SALT LAKE CITY, UTAH 84110

REPORT OF ASSAY

August 15, 1968

Mc Farland & Hullinger

WE HAVE ASSAYED YOUR seven SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7055		Trace	3.55	0.21	4.40				
	7056	SV	5.20	2.55	0.54	8.05				
	7057	K	4.40	9.10	0.57	11.20				
	7058		2.60	2.05	0.64	3.90				
	7059		0.80	3.10	0.51	6.90				
	7060	K	4.80	10.10	1.21	7.40				
	7061	K	2.00	4.55	0.46	7.90				

REMARKS: Copy mailed to Tooele, Utah

CHARGES $ 52.50

CRISMON & NICHOLS

BY [signature]

Telephone 363-3302

Hand Sample Serial 27966-27981

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
GERALDINE A. WANLASS, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

Mine Keystone Mines
Box 468
Crested Butte, Colorado 81224

RESULTS PER TON OF 2000 POUNDS

August 28, 1968

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
7062		5.6	8.8	0.151		12.7					
7063		4.0	4.0	1.930		4.7					
7064		4.1	7.2	1.234		5.3					
7065		4.6	15.3	1.411		8.3					
7066		4.0	6.1	0.705		11.2					
7067	0.015	None	1.9	0.113		10.6					
7068	0.015	1.8	2.2	0.075		9.5					
7069		3.0	8.5	0.630		9.7					
7089	0.090	1.9	1.3	0.113		2.5					
7090	0.225	12.7	13.3	0.718		7.5					
7091	0.230	9.2	13.3	0.327		11.2					
7092	0.170	6.4	7.7	0.239		5.7					
7093	0.010	4.0	5.3	0.252		28.7					
7094	0.020	0.9	1.7	0.063		3.4					
7095	0.085	3.5	0.8	0.063		6.6					
7096	0.005	5.4	10.9	0.063		7.7					

Remarks P.O.#12872

140.00

Glen P. Williams

FORM 9-1648
MARCH 1968

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

OFFICIAL COPY
O. M. E.
RECEIVED
SEP 27 1968

HR 9/18/68

OPERATOR'S MONTHLY VOUCHER

For Month of August 1968

Operator's Name McFarland & Hullinger - Keystone Mine
Address P.O. Box 238 - Tooele, Utah 84704

Docket No. OME 6640 Silver
Contract 14-08-0001 2259
Contract Amount $ 88,580.00
Gov't Participation % 75 $ 66,435.00

INITIALS CODE

FOR OPERATOR'S USE

COST ITEMS (FROM EXHIBIT A)	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
Crosscut Drifting	Ft. None	$ None	551.50	25,313.85	—	$ —	551.5	$ 25,313.85
Drifting	306.60	14,072.94	690.50	31,693.95	306.6	14,072.94	690.5	31,693.95
Drift Timber	None	None	26.30	169.63	—	—	26.3	169.63
Building (snow Removal)	None	None	51.00	765.00	—	—	51.0	765.00
Analytical Work (30 Assays to date)	11.00	93.50	38.00	323.00	11	93.50	38.0	323.00
TOTALS		$ 14,166.44		$ 58,265.43		$ 14,166.44		$ 58,265.43

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

Date 9/14/68 *Payee McFARLAND & HULLINGER

Signature J. H. McFarland Title Partner

*In 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 Coinpany, per John Smith, Secretary," or "Treasurer," as the case may be.

Any 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 J. William Hooker OME Field Officer Date 9/16/68

14X0804

Approved for: $ 10,624.83 (SUBJECT TO AUDIT)

Signature

Date SEP 25 1968 Vou. No. 91911

(SEE OTHER SIDE)

FOR OPERATOR'S USE

RKS

BRANCH OF
SEP 1 0 1980
RECEIVED
FINANCIAL REPORTS

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 Vouch

FORM 9-1648
MARCH 1968

HK 8/15/68

OFFICIAL COPY O. M. E. RECEIVED AUG 19 1968 INITIALS CODE

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

OPERATOR'S MONTHLY VOUCHER

For Month of July, 1968

Docket No. OME- 6648 (64Xver)
Contract 14-08-0001 2259
Contract Amount $ 88,500.00
Gov't. Participation % 75 $ 66,499.00

Operator's Name McFarland & Hullinger - Lawrence Bird
Address P. O. Box 238 - Veola, Kan. 84074

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
Crescent Drilling	10. Hrs	None	551.5	$25,313.85	—	$ —	551.5	$25,313.85
Fencing	333.90	15,326.01	383.9	17,621.01	333.9	15,326.01	383.9	17,621.01
Left Timber	10.30'	66.43	26.30'	169.63	10.3	66.43	26.3	169.63
Dollboring (Rec removal)	None	None	51.0	765.00	—	—	51.0	765.00
Analytical Work (27 Assays to date)	21.0	178.50	27.0	229.50	21	178.50	27	229.50
TOTALS		$ 15,570.94		$ 44,098.99		$ 15,570.94		$ 44,098.99

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

Date AUG 10 1968 *Payee McFARLAND & HULLINGER

Per J. B. McFarland Title Partner

*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 J. William Hasler OME Field Officer Date 8/13/68

14X0804

Approved for: $ 11,678.21 (SUBJECT TO AUDIT)

Signature Sg

Date AUG 20 1968 Vou. No. 91072

(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 payment of the final Operator's Monthly Voucher.

OME Region III
RECEIVED
AUG 12 1968
Denver, Colorado

Crested Butte, Colorado
August 6, 1968

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 - Rm 203
Denver, Colorado 80225

Re: OME-6640 (Silver)
Contract No. 2259
Progress Report for July, 1968

Dear Mr. Hasler:

Drifting on the captioned subject contract advanced 333.90 feet on a two shift per day - six day per week basis during the month of July. Drift timber amounting to 10.30 feet was required in one segment of the vein zone. Twenty one (21) channel samples were taken across the vein and are shown on the attached map along with certified commercial assay copies.

The Keystone Crosscut and North drifts were advanced a total of 40.00 feet on McFarland and Hullinger account. Good grade silver-copper mineralization is continuing northward along the Keystone vein structure. The Crosscut drift is currently being continued eastward to test for other paralell vein structures.

Respectfully submitted,

Max T. Evans

Max T. Evans - Supt.
Keystone Mine
McFarland & Hullinger

Att:

RECEIVED
AUG 23 1988
OSTI

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 July 1, 1968

Mc Farland & Hullinger

WE HAVE ASSAYED YOUR two SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7011		2.20	0.80	0.50	4.25				
	7012		1.40	1.50	0.50	2.05				

REMARKS: 1 Copy mailed to Tooele

CHARGES $ 15.00

CRISMON & NICHOLS

BY P. M. Crismon

R. R. CASTO | P. M. CRISMON | ORR FISHER | HAROLD E. CULVER

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS
229-231 SOUTH WEST TEMPLE STREET
PHONE EM 3-7417 | P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH [illegible] 10, 1960

[illegible] Portland [illegible]

WE HAVE ASSAYED YOUR [illegible] SAMPLES AND FIND [illegible] TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7[illegible]23		1.10	[illegible]	0.1[illegible]	[illegible]				
	7[illegible]24		1.40	1.10	0.1[illegible]	[illegible]				
	7[illegible]25		1.[illegible]0	0.5[illegible]	0.1[illegible]	[illegible]				
	7[illegible]26		1.[illegible]0	[illegible]	[illegible]	[illegible]				
	7[illegible]27		2.[illegible]0	0.[illegible]	[illegible]	[illegible]				
	7[illegible]28		[illegible]	7.0[illegible]	[illegible]	[illegible]				
	7[illegible]29		1.[illegible]	[illegible]	[illegible]	[illegible]				
	7[illegible]30		1.60	1.[illegible]0	0.37	[illegible]				

REMARKS:

CHARGES $ [illegible]

CRISMON & NICHOLS
BY [signature]

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

SALT LAKE CITY, UTAH 84110

REPORT OF ASSAY

July 17, 1968

Mc Farland & Mullinger

WE HAVE ASSAYED YOUR six SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7021		3.60	Trace	0.40	1.45				
	7022		3.90	0.15	0.35	1.50				
	7023	0.01	3.80	2.50	0.99	11.15				35¢
	7024		2.20	0.10	0.30	2.80				
	7025		0.70	Trace	0.10	1.95				
	7026		2.80	0.15	0.07	1.15				

REMARKS:

CHARGES $ 45.00

CRISMON & NICHOLS

BY P. M. Crismon

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 July 25, 1968

Mc Farland & Hullinger

WE HAVE ASSAYED YOUR five SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7027		9.60	4.95	0.89	10.35				
	7028		1.80	2.95	0.12	3.00				
	7029		2.40	2.95	0.25	2.80				
	7030		1.90	5.95	0.17	3.95				
	7031		3.00	10.40	0.20	3.30				

REMARKS:

CHARGES $ 37.50

CRISMON & NICHOLS

BY P. M. Crismon

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

PHONE 363-7417 — 229-231 SOUTH WEST TEMPLE STREET — P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 July 26, 1968

Mc Farland & Hullinger

WE HAVE ASSAYED YOUR five SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7032		2.00	4.45	0.20	5.90				
	7033		2.00	3.90	0.47	3.10				
	7034		2.00	7.65	0.60	6.00				
	7035		5.60	6.40	0.97	7.25				
	7036		1.60	2.95	0.45	3.35				

REMARKS:

CHARGES $ 37.50

CRISMON & NICHOLS

BY P. M. Crismon

FORM 60
SEPT. 1959

OFFICIAL COPY
U. S. E. RECEIVED 25 1968
INITIALS | CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. ~~OME-6640 (Silver)~~
Contract No.
14-23-090-2259
Contract Amount ~~$82,500.00~~
Gov't. Participation ~~75~~ ~~$66,435.00~~
Mineral(s) ~~Silver~~

OPERATOR'S MONTHLY VOUCHER For Month of June, 1968

Operator's Name ~~McFarland & Hullinger - Keystone Mine~~
Address ~~P. O. Box 238~~
~~Tooele, Utah 84074~~ 84074

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	~~None~~	~~765.00~~	~~765.00~~			
Drifting	~~2295.00~~	~~None~~	~~2295.00~~			
Crosscutting	~~8,229.87~~	~~17,083.98~~	~~25,313.85~~			
Drilling						
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(3) Operating Mat'l. & Supplies:						
Timber	~~103.20~~	~~None~~	~~103.20~~			
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work	~~42.50~~	~~8.50~~	~~51.00~~			
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	~~10,670.57~~	~~17,857.48~~	~~28,528.05~~			

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

Date JUL - 8 1968 *Payee McFARLAND & HULLINGER

Per J. L. McFarland Title partner

* 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)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

14X0804

$ 8,002.93

Signature mo
(Authorized Certifying Officer)

Date JUL 24 1968 Vou. No. JUL 24 1968 90452

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2259

Signature J. William Hasler Title Field Officer Date 7/11/68

Approved by OME Executive Officer or Alternate:

Signature J. William Hasler Title Field Officer Date 7/11/68

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 three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 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 Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, 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 four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

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, itemized deductions, 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 depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", 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 Executive 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.

MME FORM 61
SEPT. 1959

HK 7/19/68

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of June, 1968 Docket No. [illegible]

Operator's Name McFarland & Hullinger Contract No. 14-23-090-2259

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	Ft.	50.0	50.0	2295.00	50.	50.0	2,295.00
Crosscutting	Ft.	179.30	551.50	25,313.85	179.3	551.5	25,313.85
Raising							
Shafts							
Winzes							
Other Underground Timber	Ft.	16.0	16.0	103.20	16.0	16.0	103.20
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails							
Stripping							
Trenching Bulldozing	Hours						
Test Pitting Removal	Hrs.	None	51.0	765.00	—	51	765.00
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work Six (6) assays to date				51.00			51.00
TOTAL TO DATE (per MME Form 60)				28,528.05			28,528.05

REMARKS

(Continue on back)

REMARKS

(Continue on back)

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date JUL - 8 1968 Operator McFARLAND & HULLINGER

Per J. R. McFarland Title Partner

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.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature J. William Hasler

Title Field Officer
Government Representative

Date July 11, 1968

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

INT.DUP.,D.C.59- 27162

Crested Butte, Colorado
July 5, 1968

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 - Rm 203
Denver, Colorado 80225

Re: OME-6640 (Silver)
Contract No. 2259
Progress Reoport for June, 1968

Dear Mr. Hasler:

Crosscut drifting on the captioned subject contract advanced 179.30 feet during the month bringing the total crosscut drifting completed to date at 551.50 feet. The target (Union Vein Structure) was intercepted at the projected position. Favorable mineralization was found on the vein with the true thickness varying from 2.5 to 5.1 feet. Drifting advance northwesterly along the vein amounted to 50.0 feet during the month. Assays along the vein are shown on the attached map along with with certified commercial assay copies.

McFarland and Hullinger have, on their own account, completed 100.50 feet of crosscut drifting along with long holing the footwall of the Keystone drift. In this work a new ore bearing vein structure was discovered in the footwal of the Keystone drift. This vein shows a good grade of silver ore with substantial copper mineralization. The vein is believed to correlate up dip with the surface vein discovered in 1967.

During my visit to the Washington OME office in 1967, Messrs. Johnson and Kirkimo indicated that if we could do the Keystone crosscut drifting on our own account and the results were favorable, the OME would possibly participate in an ammended contract to drift along the Keystone vein.

McFarland and Hullinger would like to participate with the Government OME program in an ammended contract to drift the newly discovered ore on the Keystone vein structure for a distance of 2000 feet northward. This project would test the down dip potential of 2000 feet of surface vein mineralization which is now known to extend to the proposed ammended project area on the 1370 level. If the Keystone vein project could be activated at this time it would greatly enhance the chances for commencing milling operations again along with a monetary pay out for both parties concerned. The proposed ammended Keystone program is shown on the attached 200 scale progress map. We would greatly appreciate your reaction to this proposal for an ammended contract.

Respectfully submitted,

Max T. Evans

Max T. Evans - Supt.
Keystone Mine
McFarland & Hullinger

Att:

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 June 28, 1968

Mc Farland & Hullinger

WE HAVE ASSAYED YOUR four SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7007		2.80	1.05	0.25	3.60				
	7008		11.60	6.05	0.60	8.30				
	7009		4.40	1.55	0.50	3.40				
2' chip sample — on N-wall of Keystone Vein	7010		8.40	3.55	1.31	4.35				

REMARKS: Samples not received until this morning (Friday) Copy mailed to Tooele

CHARGES $ 30.00

CRISMON & NICHOLS

BY [signature]

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 June 19, 1968

Mc Farland & Hullinger

WE HAVE ASSAYED YOUR two SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	7005	0.01	1.60	None	0.20	3.05				35¢
	7006	0.01	4.20	0.30	0.51	6.40				35¢

REMARKS:

CHARGES $ 15.00

CRISMON & NICHOLS

BY P. M. Crismon

13,000N
12,800N
1370 Level West X-Cut Drift
Sample ft. Ag Pb Cu Zn
1370-1 1½ 1.50 Tr .82 10.80
7010 2.0' 8.4 3.55 1.31 4.35
Sample ft. Au Ag Pb Cu Zn
7003 2.4 .03 4.7 6.7 .90 6.7
Sta. 4
82,00E
84,00E
Keystone Mine
1370 Level Progress Map
scale: 1" = 50ft.
Previous OME Drift Advance
OME Drift Advance For Month of June, 1968
Drift Advance On McFarland & Hullinger Account
M.T. Evans-68

MME FORM 60
SEP 3. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME- 6640 (Silver)
Contract No.
14-23-090- 2259
Contract Amount $88,580.00
Gov't. Participation 75 66,435.00
Mineral(s) SILVER

OPERATOR'S MONTHLY VOUCHER

For Month of May, 1968

Operator's Name McFarland & Hullinger - Keystone Mine
Address P. O. Box 238 Tooele, Utah ~~84074~~ 84074

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	360.00	405.00	765.00			
Drifting	12,218.58	4,865.40	17,083.98			
Crosscutting						
Drilling						
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work	8.50	None	8.50			
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	12,587.08	5,270.40	17,857.48			

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

Date 6/5/68 *Payee McFARLAND & HULLINGER

Per J. B. McFarland Title Partner

* 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)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

14X0804

$ 9440.31

Signature [illegible]
(Authorized Certifying Officer)

Date JUN 21 1968 Vou. No. 87648

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2259

Signature J. William Haslar Title Field Officer Date 6/12/68

Approved by OME Executive Officer or Alternate:

Signature J. William Haslar Title Field Officer Date 6/12/68

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 three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 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 Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, 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 four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

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, itemized deductions, 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 depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", 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 Executive 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.

MME FORM 61
SEPT. 1959

J
HK 6/17/68

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of May, 1968 Docket No. OME-6640 Silver

Operator's Name McFarland & Hullinger Contract No. 14-23-090-2259

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting							
Crosscutting	Ft.	266.20	372.20	17,083.98	266.2	372.2	17,083.98
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails							
Stripping							
Trenching Bulldozing							
Test (Snow Removal)	Hrs.	24	51	765.00	24	51	765.00
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				8.50			8.50
TOTAL TO DATE (per MME Form 60)				17,857.48			17,857.48

REMARKS

Target Vein zone expected to be encountered during June, 1968.

(Continue on back)

REMARKS

Allow $8.50 for assaying from special lect Cards
Ag - 1.75
Pb - 2.25
Cu 1.75
Zn 2.75
$8.50

(Continue on back)

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 6/5/68 Operator McFARLAND & HULLINGER

Per J. L. McFarland Title Partner

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.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature J. William Fisher

Title Field Office Government Representative

Date June 12, 1968

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

P. M. CRISMON, PRES.

CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. BOX 1708

REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 Mar 27, 1958

Mr Parland & Dallinger

WE HAVE ASSAYED YOUR Ore SAMPLES AND FIND It TO CONTAIN AS FOLLOWS:

DESCRIPTION	NO.	OZS. GOLD PER TON	OZS. SILVER PER TON	PER CENT LEAD	PER CENT COPPER	PER CENT ZINC	PER CENT INSOL.	PER CENT IRON	PER CENT	VALUE OF GOLD PER TON
	1370-1		1.50	Trace	0.82	10.60				

REMARKS:

CHARGES $ 7.50

CRISMON & NICHOLS

BY P. M. Crismon

Crested Butte, Colorado
June 3, 1968

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 - Rm. 203
Denver, Colorado 80225

Re: OME-6640 (Silver)
Contract No. 2259
Progress Report for May, 1968

Dear Mr. Hasler:

Crosscut drifting on the captioned subject contract advanced 266.20 feet during the month of May on a two shift per day basis. No timber was required in the advanced drift segment. The drifting essentially paralelled the strike of bedding the entire distance. A hanging wall vein strand or split from the Keystone vein was crosscut at coordinates 12,660 North and 8,525 East. The vein strand varies from 16 inches to 2.0 feet in true thickness. An 18 inch chip sample across the vein was cut and assayed as follows: (Assay sheet attached)

Ag	Pb	Cu	Zn
1.50	Tr	0.82	10.80

Other minor mineralized fractures were encountered but were not of economic importance. (See attached Progress Map)

Snow conditions in the project area required 3 man shifts (24 hours), with a D-6 Bulldozer.

Respectfully submitted,

Max T. Evans

Max T. Evans - Supt.
Keystone Mine
McFarland & Hullinger

Att:

MME FORM 60
SEPT. 1959

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OME RECEIVED MAY 6 - 1968

OPERATOR'S MONTHLY VOUCHER

For Month of April, 1968

Docket No. OME -6640(Silver)
Contract No. 14-23-090-2259
Contract Amount $ 88,580.00
Gov't Participation % 75 $ 66,435.00
Mineral(s) Silver

Operator's Name Mc Farland & Hullinger - Keystone Mine
Address P.O. Box 238
Tooele, Utah 84704

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	405.00	None	405.00			
Drifting						
Crosscutting	4,865.40	None	4,865.40			
Drilling						
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	5,270.40	None	5,270.40			

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

Date May 3-1968 *Payee McFARLAND & HULLINGER

Per J.B. McFarland Title Partner

* 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)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$3,952.80 14X0804

Signature John (Authorized Certifying Officer)

Date MAY 16 1968 Vou. No. 86901

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2259.

Signature J. William Hasler Title Field Officer Date 5/6/68

Approved by OME Executive Officer or Alternate:

Signature J. William Hasler Title Field Officer Date 5/6/68

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 three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 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 Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, 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 four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

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, itemized deductions, 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 depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", 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 Executive 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.

83653 4

MME FORM 61
SEPT. 1959

HL 5/13/68

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of April, 1968 Docket No. OME-6640 Silver

Operator's Name ~~Mc Farland & Hullinger~~ Contract No. 14-23-090-2259

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting							
Crosscutting	Ft.	106.00	106.00	4,865.40	106	106	4,865.40
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails							
Stripping							
Trenching Bulldozing	Hrs.	27	27	405.00	27	27	405.00
Test (Snow Removal)							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE (per MME Form 60)				5,270.40			$5,270.40

REMARKS

A D-6 bulldozer and operator were available for snow removal at the Keystone Mine for a standard rate of $15.00 per hour. This unit proved adequate for accessibility to the project area and alleviated costly mobilization of an HD-21 Dozer (per OME Contract) from Tooele, Utah

(Continue on back)

REMARKS A D-6 bulldozer is smaller than an HD-21 model and the rate charged per hour is an acceptable competitive rate. Inasmuch as there was no need for mobilization, the hourly rate was less than for an HD-21, and the work was completed satisfactorily at less cost to the Government I recommend payment of the charge for bulldozing — $405.00

Howard Kirkham
Asst. Chief, OME 5/13/68

(Continue on back)

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date May 3, 1968 Operator McFARLAND & HULLINGER

Per J. B. McFarland Title Partner

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.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature J. William Hasler

Title Field Office
Government Representative

Date May 6 1968

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

BUDGET & FINANCE
MAY 14 3 48 PM
8 3 6 5 3 4

Crested Butte, Colorado
May 2, 1968

Mr. J. William Hasler, Field Officer, Region III
Office of Minerals Exploration
U. S. Geological Survey
Denver Federal Center - Bldg. 53 - Rm. 203
Denver, Colorado80225

Re: OME-6640 (Silver)
Contract No. 2259
Progress Report for April, 1968

Dear Mr. Hasler:

Work commenced on the captioned subject contract on April 9, 1968. Total crosscut drifting amounting to 106.00 feet was advanced during the month of April. Anticipated drifting advance for the month was not realized becaus e of excavation and laying of track for switching of mine cars during mucking operations.

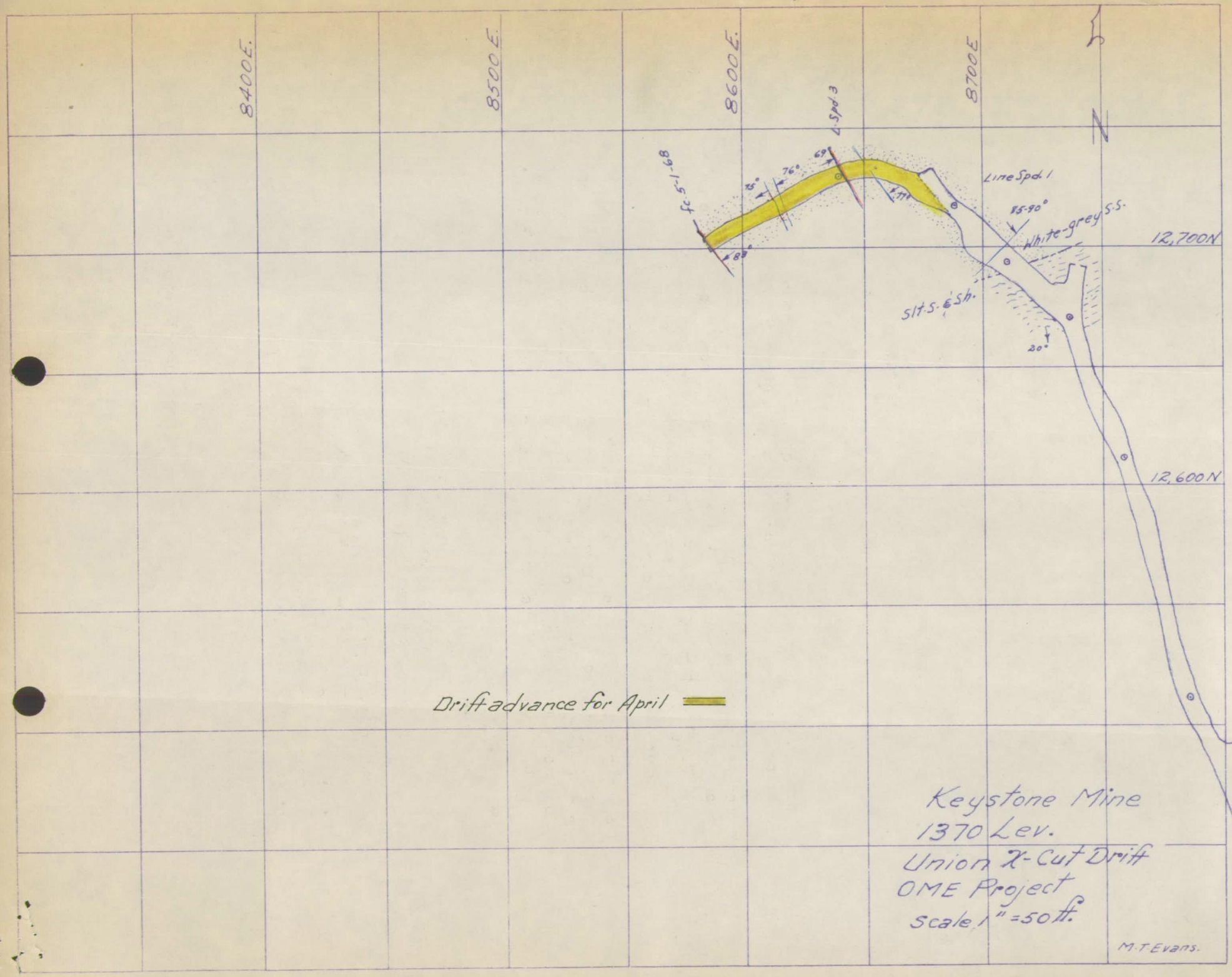
The 106.00 feet of crosscut drifting penetrated extremely hard, dense, abrasive, metamorphosed sandstone beds in the upper part of the Mesa Verde formation. North-northwesterly trending mineralized fractures were encountered in the drifting, but were not of economic significance. (See attached Progress Map)

Snow conditions in the project area required twenty seven (27) hours of access road maintenance with a D-6 Dozer and operator.

Respectfully submitted,

Max T. Evans - Supt.
Keystone Mine
Mc Farland & Hullinger

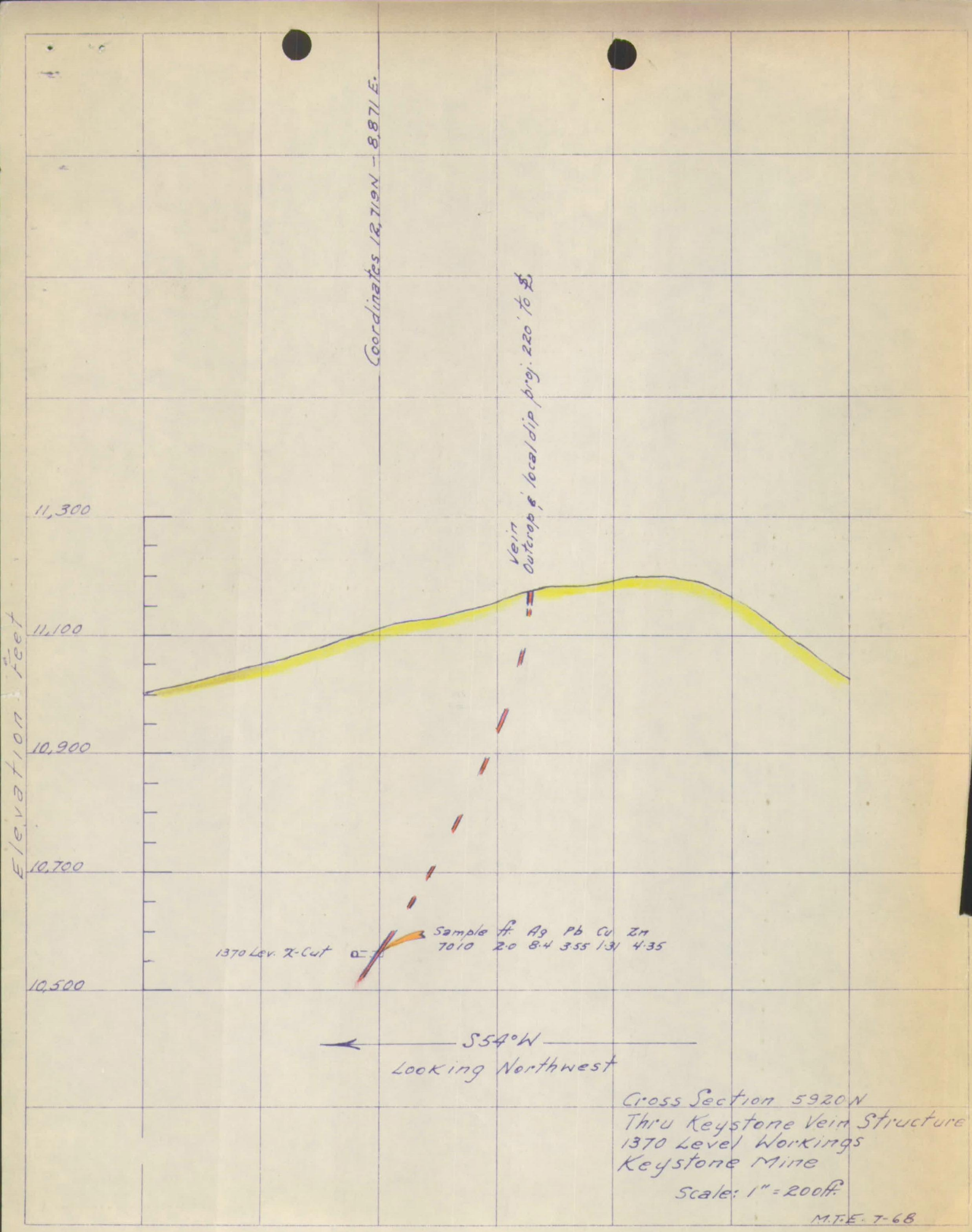
Att:



MINE _____ LOCATION _____ LEVEL _____

GEOLOGY BY _____ SURVEY _____ SCALE _____ DATE _____

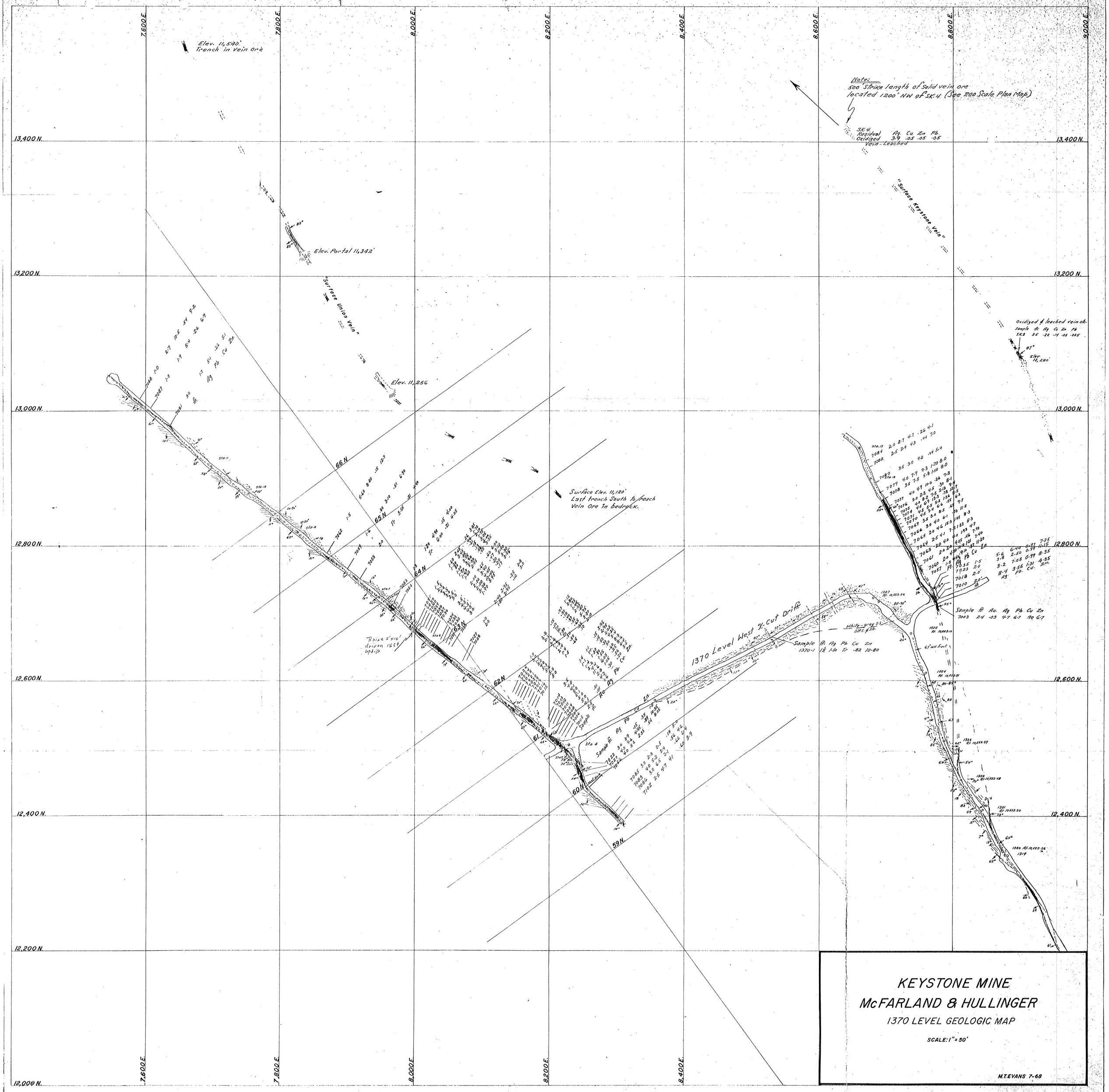
DUNKIN BLUE PRINT & SUPPLY CO., GRAND JUNCTION, COL.O.

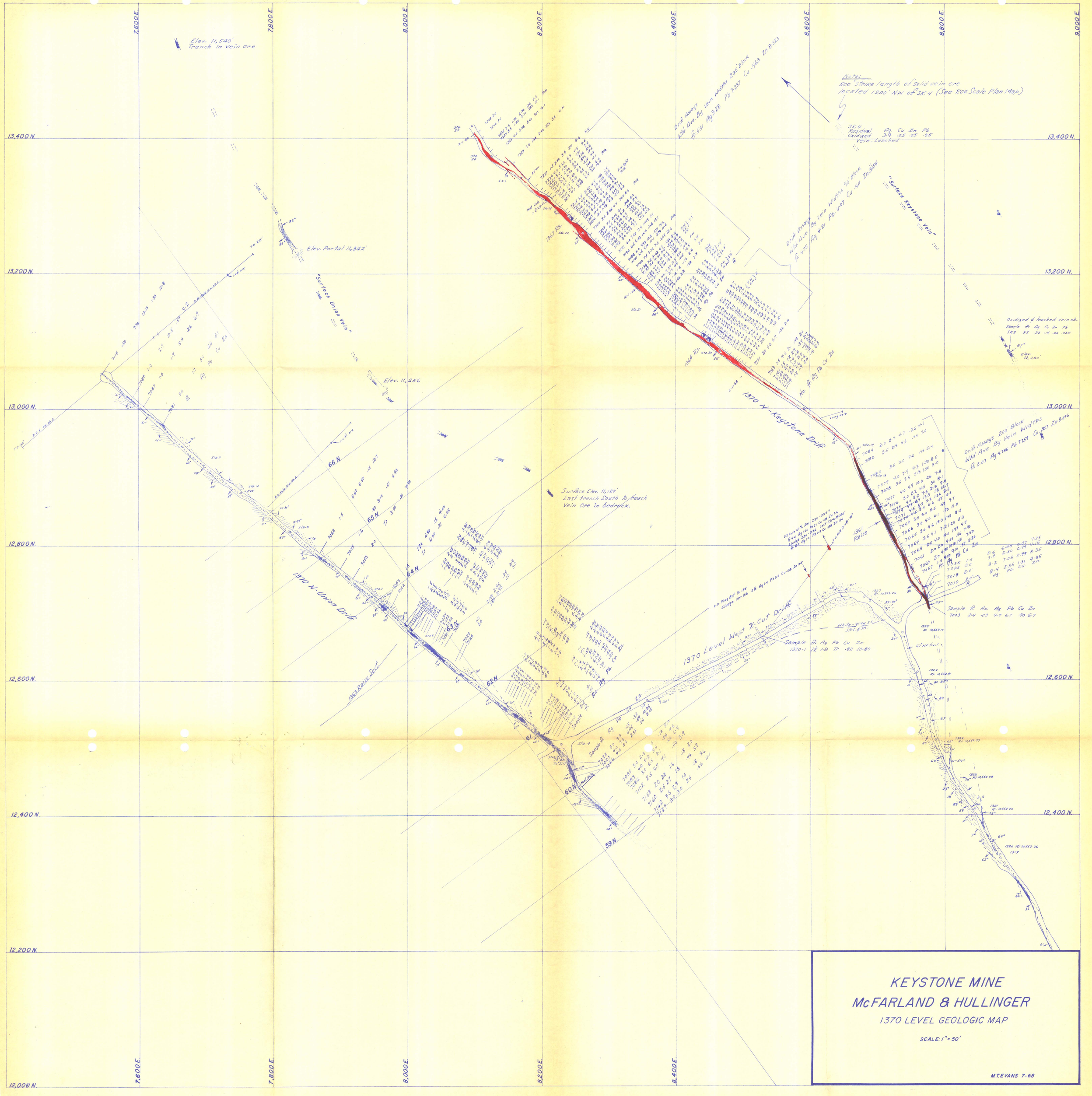


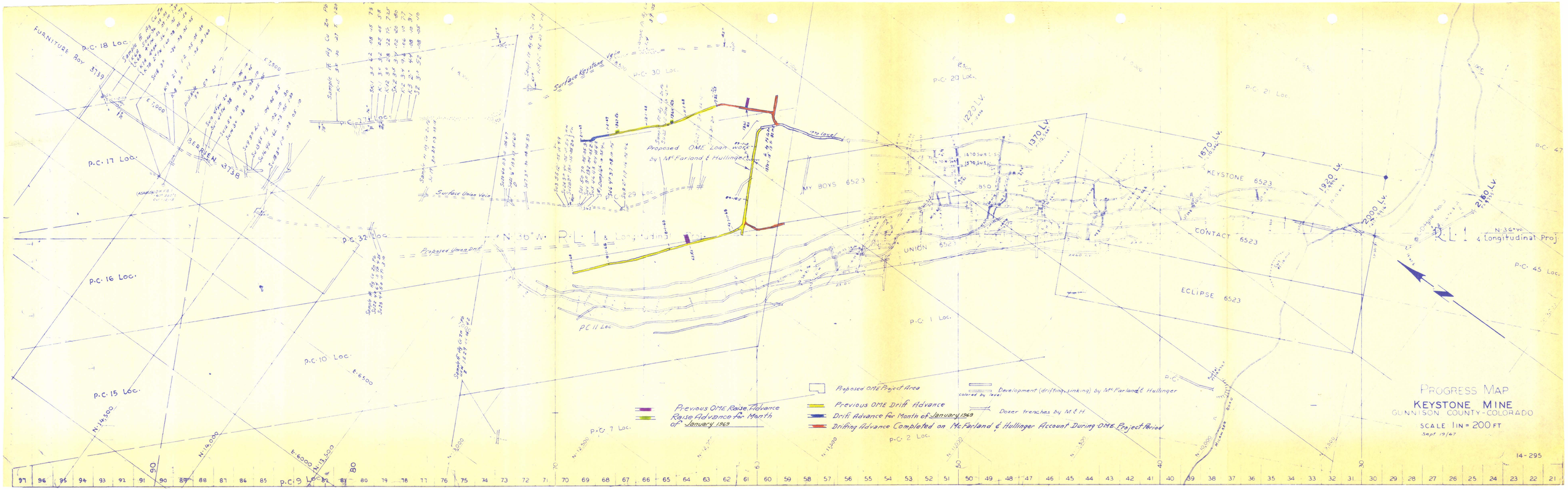
MINE _____ LOCATION _____ LEVEL _____

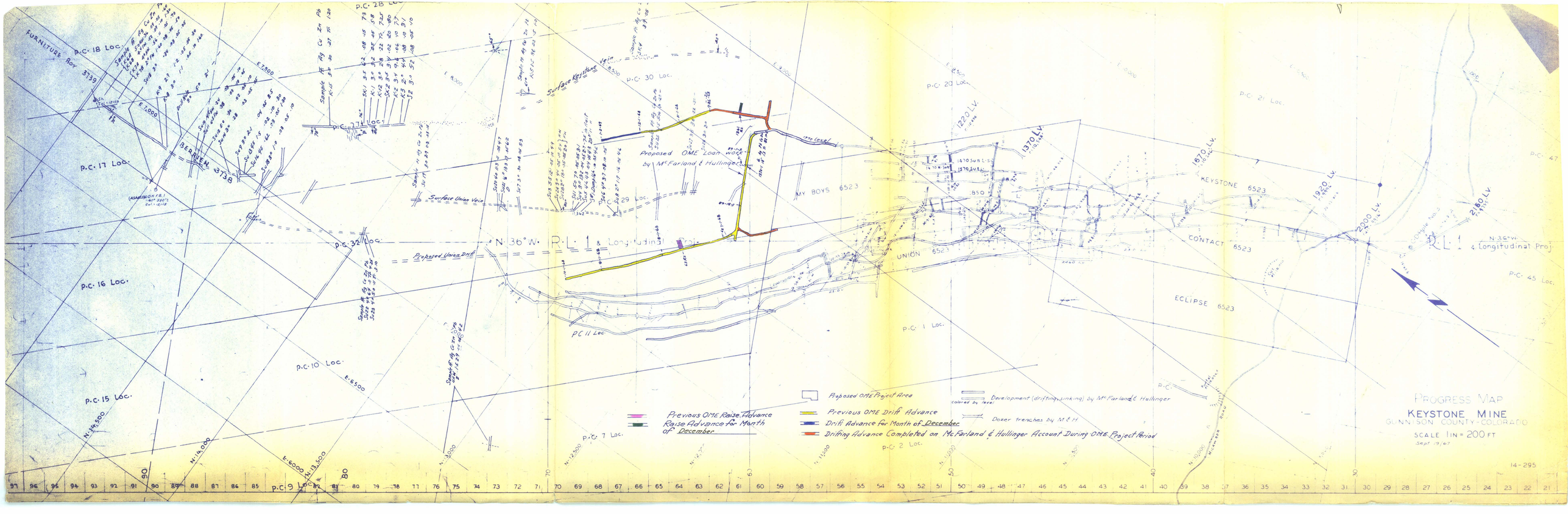
GEOLOGY BY _____ SURVEY _____ SCALE _____ DATE _____

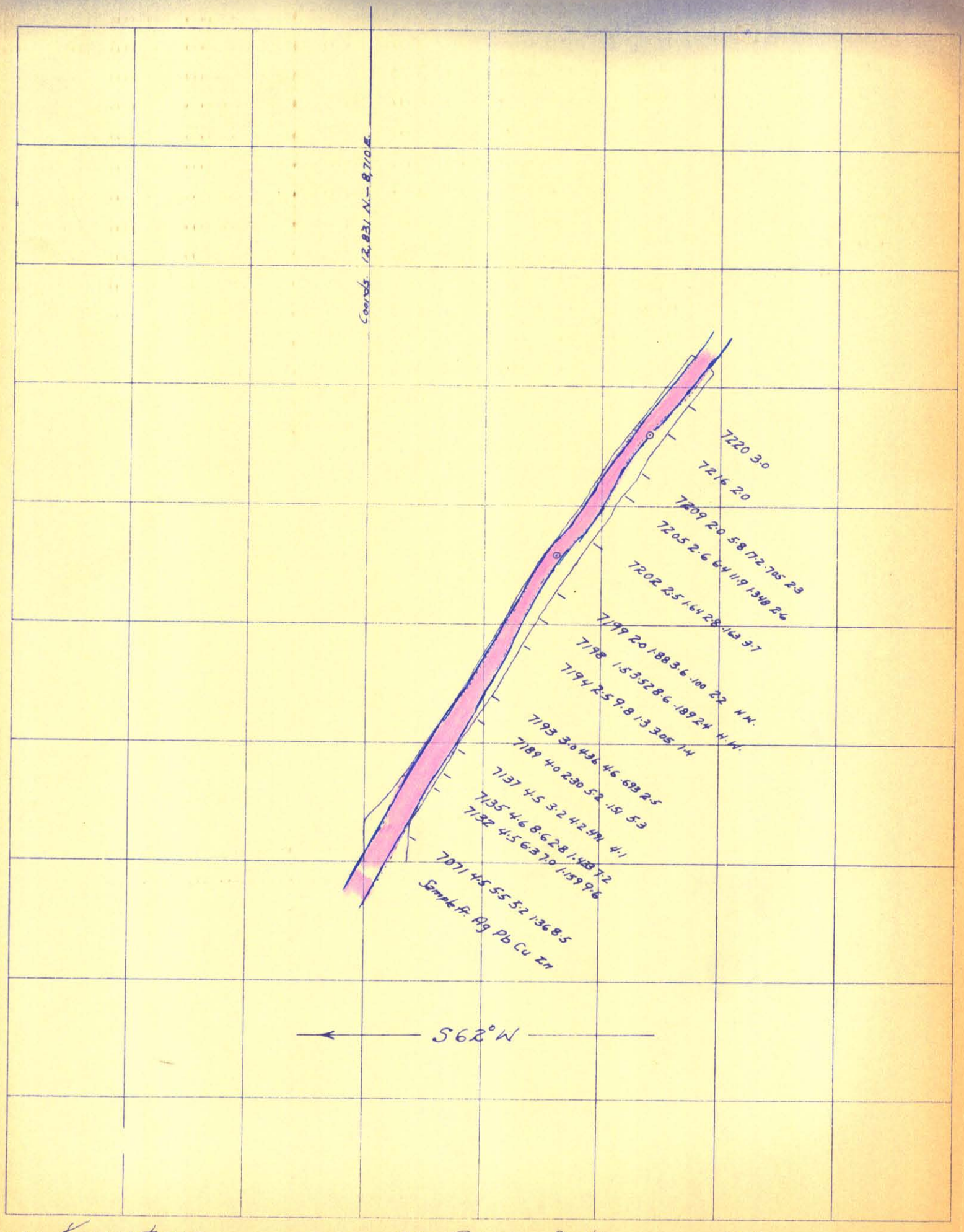
DUNKIN BLUE PRINT & SUPPLY CO., GRAND JUNCTION, CO.


KEYSTONE MINE
McFARLAND & HULLINGER
1370 LEVEL GEOLOGIC MAP
SCALE: 1" = 50'
M.T. EVANS 7-68
7,600 E.
7,800 E.
8,000 E.
8,200 E.
8,400 E.
8,600 E.
8,800 E.
9,000 E.
13,400 N.
13,200 N.
13,000 N.
12,800 N.
12,600 N.
12,400 N.
12,200 N.
12,000 N.
Elev. 11,540'
Trench in Vein Ore
Elev. Portal 11,342'
"Surface Union Vein"
Elev. 11,256
Note:
500' Strike length of solid vein ore
located 1200' NW of SK-4 (See 200 Scale Plan Map)
SK-4
Residual
Oxidized
Vein-Leached
Ag Cu Zn Pb
3.9 .05 .05 .05
"Surface Keystone Vein"
Oxidized & leached vein ok.
Sample ft. Ag Cu Zn Pb
SK3 3.5 .22 .14 .05 .025
Elev. 11,280'
Surface Elev. 11,120'
Last trench South to reach
Vein Ore in bedrock.
66 N
65 N
64 N
63 N
62 N
61
60 N
59 N
Raise 5'x5' driven 15 ft
upslip
1370 Level West X-cut Drift
Sample ft. Ag Pb Cu Zn
1370-1 1½ 1.50 Tr .82 10.80
Sample ft. Au. Ag Pb. Cu Zn
7003 2.4 .03 4.7 6.7 .90 6.7


KEYSTONE MINE
McFARLAND & HULLINGER
1370 LEVEL GEOLOGIC MAP
SCALE: 1" = 50'
M.T. EVANS 7-68
1370 N-Keystone Drift
1370 N-Union Drift
1370 Level West X-Cut Drift
"Surface Keystone Vein"
"Surface Union Vein"
Elev. 11,540' Trench in Vein ore
Elev. Portal 11,342'
Elev. 11,256
Surface Elev. 11,120' Last trench South to reach Vein Ore in bedrock.
Note: 500' Strike length of solid vein ore located 1200' N.W. of SK.4 (See 200 Scale Plan Map)
Drift Assays Wtd Ave. By Vein Widths 200 Block
Drift Assays Wtd Ave. By Vein Widths 90 Block
Drift Assays Wtd Ave. By Vein Widths 295 Block
1361 Raise
1363 Raise Scaf.
7,600 E.
7,800 E.
8,000 E.
8,200 E.
8,400 E.
8,600 E.
8,800 E.
9,000 E.
13,400 N.
13,200 N.
13,000 N.
12,800 N.
12,600 N.
12,400 N.
12,200 N.
12,000 N.


PROGRESS MAP
KEYSTONE MINE
GUNNISON COUNTY-COLORADO
SCALE 1 IN = 200 FT
Sept 19/67
14-295
Proposed OME Project Area
Previous OME Raise Advance
Raise Advance for Month of January 1969
Previous OME Drift Advance
Drift Advance for Month of January 1969
Drifting Advance Completed on McFarland & Hullinger Account During OME Project Period
Development (drifting, sinking) by McFarland & Hullinger
coloured by level
Dozer trenches by M & H
Proposed OME Loan work by McFarland & Hullinger
Surface Keystone
Surface Union Vein
Proposed Union Drift
N 36° W P.L. 1 Longitudinal Proj
FURNITURE BOY 3739
BERLIEN 3738
MY BOYS 6523
UNION 6523
KEYSTONE 6523
CONTACT 6523
ECLIPSE 6523
P.C. 18 Loc.
P.C. 17 Loc.
P.C. 16 Loc.
P.C. 15 Loc.
P.C. 10 Loc.
P.C. 9 Loc.
P.C. 7 Loc.
P.C. 2 Loc.
P.C. 1 Loc.
P.C. 11 Loc.
P.C. 32 Loc.
P.C. 30 Loc.
P.C. 29 Loc.
P.C. 20 Loc.
P.C. 21 Loc.
P.C. 45 Loc.
P.C. 47
1220 Lv.
1370 Lv.
1670 Lv.
1920 Lv.
2200 Lv.
2180 Lv.
E 2500
E 5000
E 6500
E 6000
N 14,500
N 14,000
N 13,500
N 12,500
N 11,500
N 11,000
N 10,000
N 9,500
N 9,000
N 3,000
N 2,500
N 1,000
N 500
N 0,000
97 96 95 94 93 92 91 90 89 88 87 86 85 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21


PROGRESS MAP
KEYSTONE MINE
GUNNISON COUNTY-COLORADO
SCALE 1 IN = 200 FT
Sept 19/67
14-295
Proposed OME Project Area
Previous OME Raise Advance
Raise Advance for Month of December
Previous OME Drift Advance
Drift Advance for Month of December
Drifting Advance Completed on McFarland & Hullinger Account During OME Project Period
Development (drifting, sinking) by McFarland & Hullinger
Dozer trenches by M & H
Proposed OME Loan work by McFarland & Hullinger
Surface Keystone Vein
Surface Union Vein
Proposed Union Drift
N 36° W R.L. 1 & Longitudinal Proj
KEYSTONE 6523
CONTACT 6523
UNION 6523
ECLIPSE 6523
MY BOYS 6523
BERLIEN 3738
FURNITURE BOX 3739
P.C. 18 Loc.
P.C. 17 Loc.
P.C. 16 Loc.
P.C. 15 Loc.
P.C. 10 Loc.
P.C. 9 Loc.
P.C. 7 Loc.
P.C. 2 Loc.
P.C. 1 Loc.
P.C. 11 Loc.
P.C. 29 Loc.
P.C. 30 Loc.
P.C. 32 Loc.
P.C. 20 Loc.
P.C. 21 Loc.
P.C. 45 Loc.
P.C. 47
1220 Lv.
1370 Lv.
1870 Lv.
1920 Lv.
2200 Lv.
2160 Lv.
E 3500
E 3000
E 6500
E 6000
N 14,500
N 14,000
N 13,500
N 12,500
N 11,500
N 10,000



MINE Keystone LOCATION 1361 Raise - Section LEVEL 1370

GEOLOGY BY M.I.E. SURVEY M.I.E. SCALE 1" = 20 ft. DATE 12-68

DUNKIN BLUE PRINT & SUPPLY CO. GRAND JUNCTION, COLO.

KEYSTONE MINE

Mc FARLAND & HULLINGER

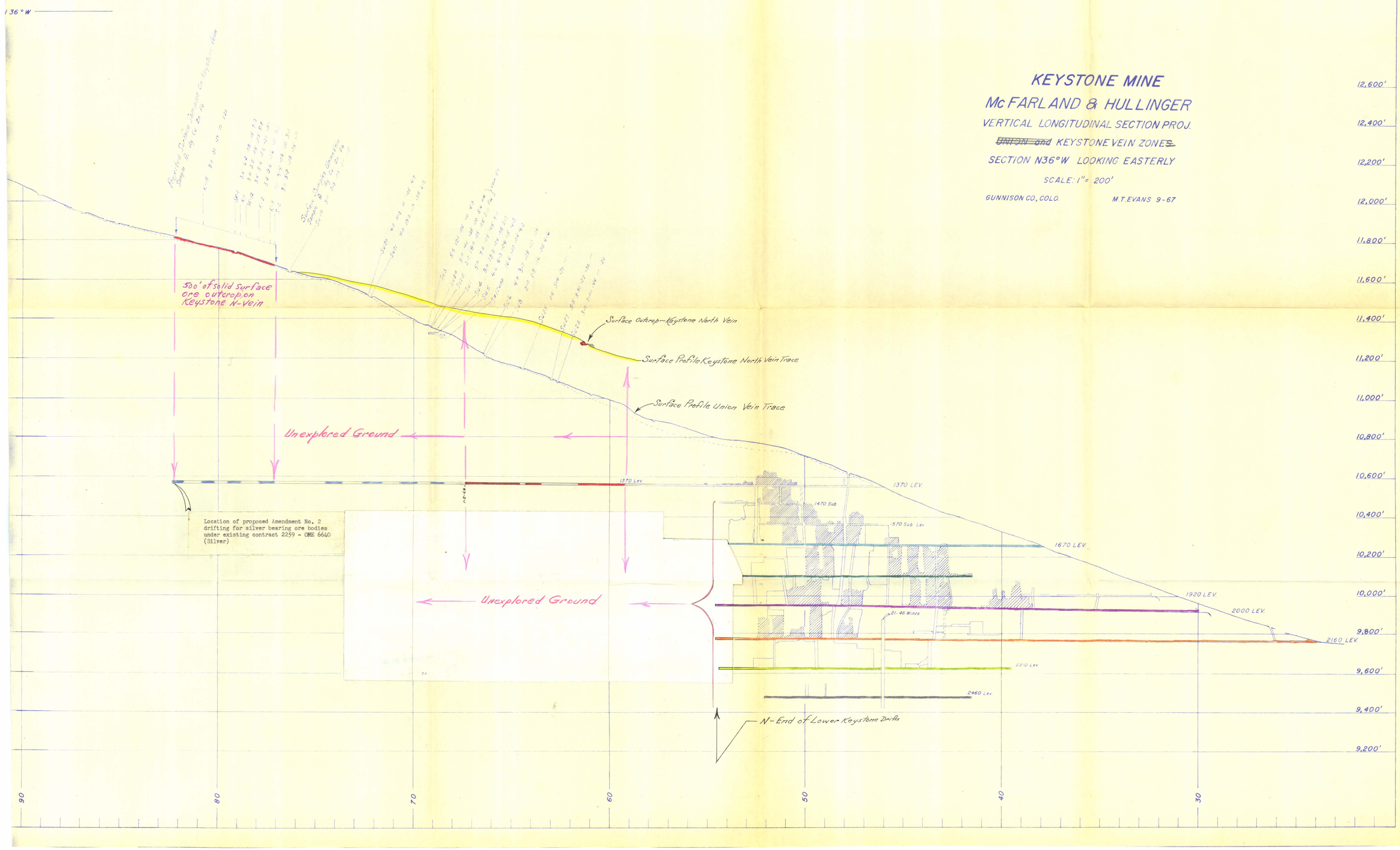
VERTICAL LONGITUDINAL SECTION PROJ.

~~UNION and~~ KEYSTONE VEIN ZONE~~S~~

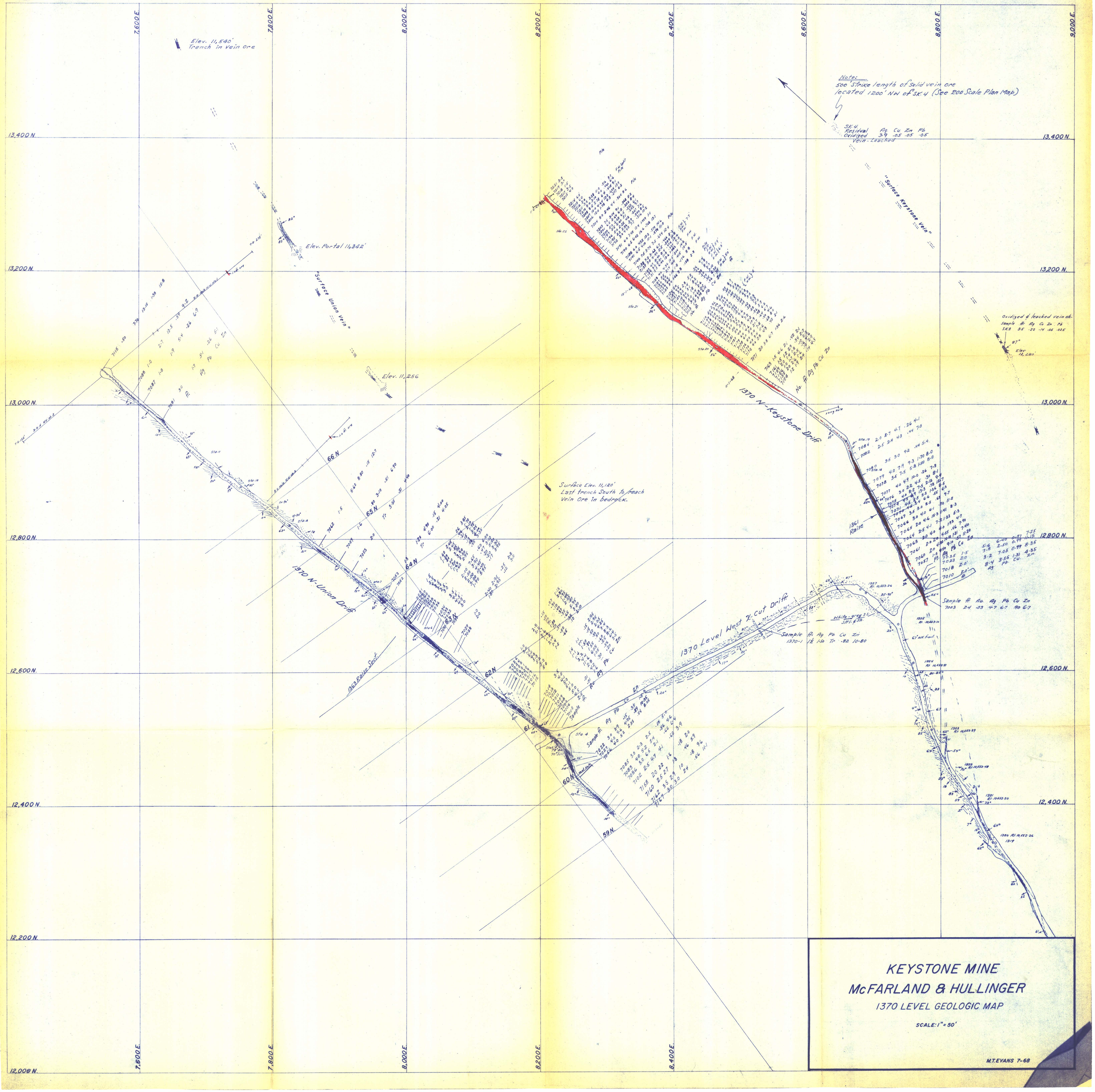
SECTION N36°W LOOKING EASTERLY

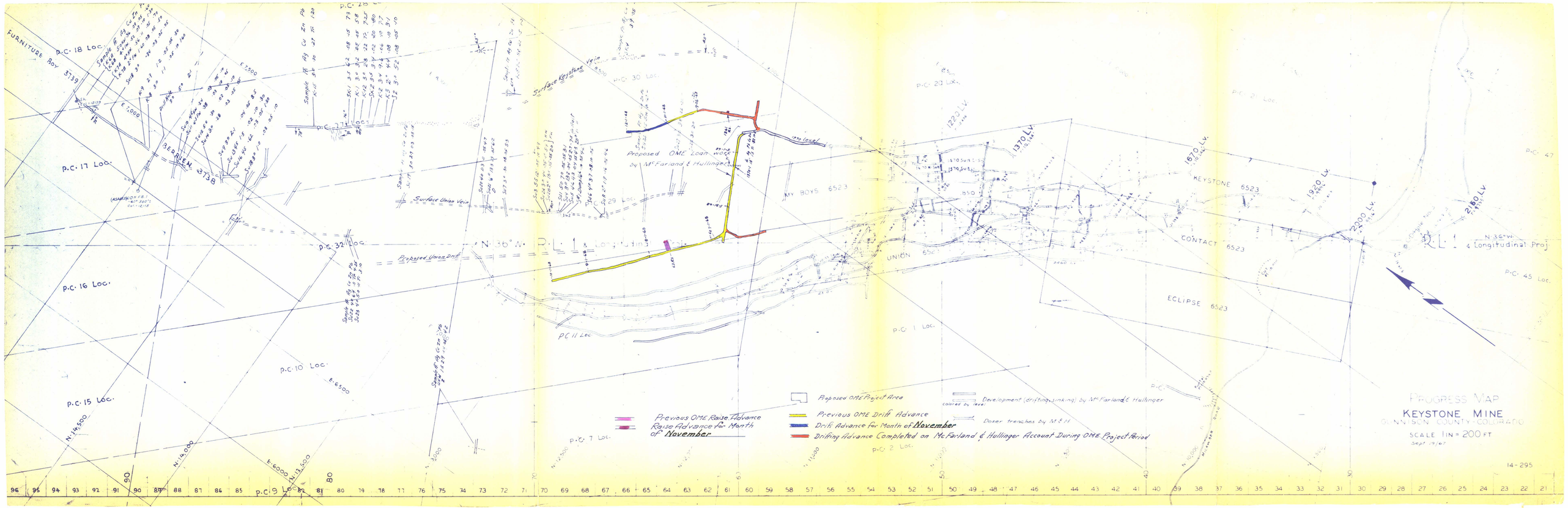
SCALE: 1" = 200'

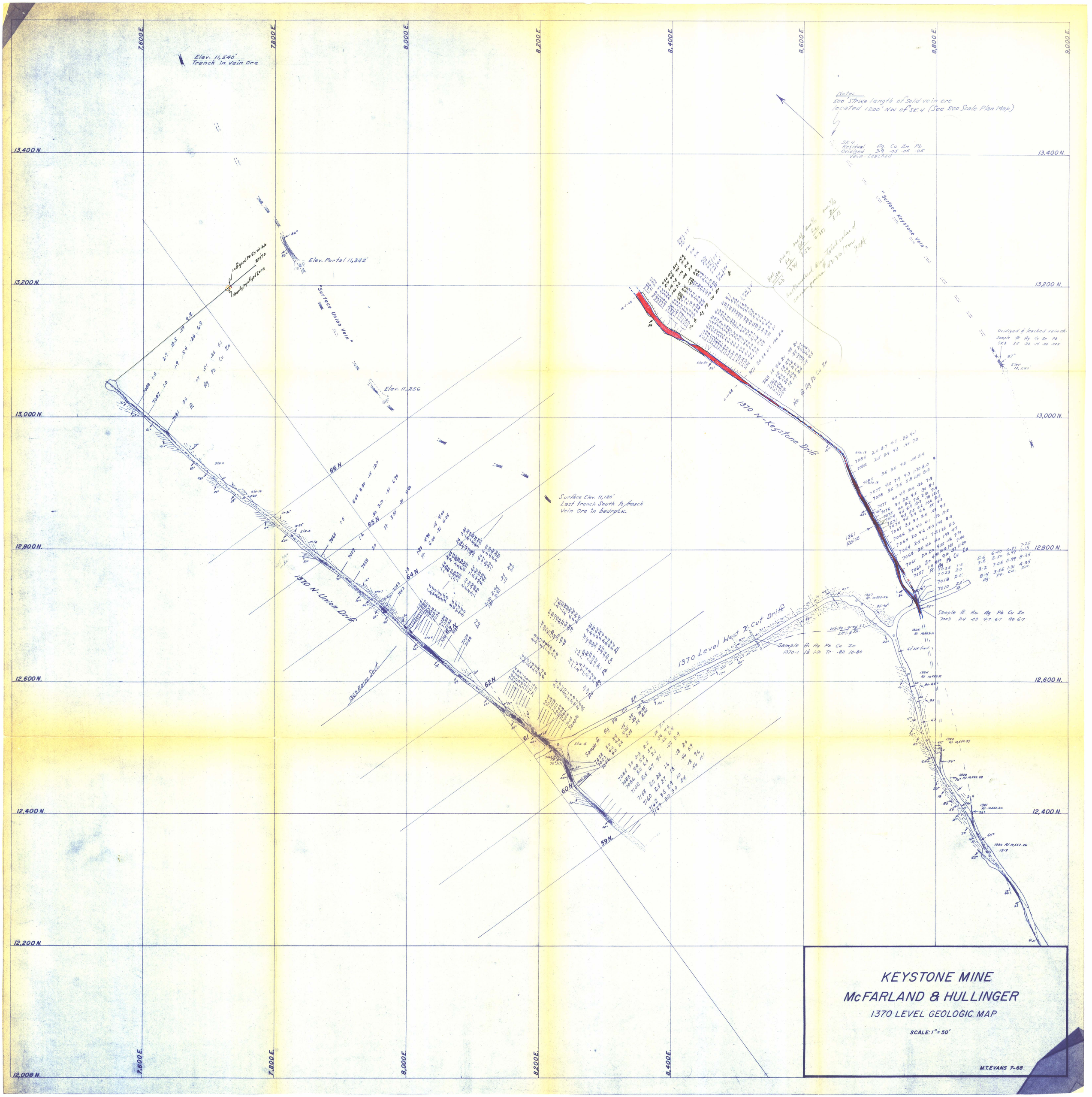
GUNNISON CO., COLO. M.T. EVANS 9-67

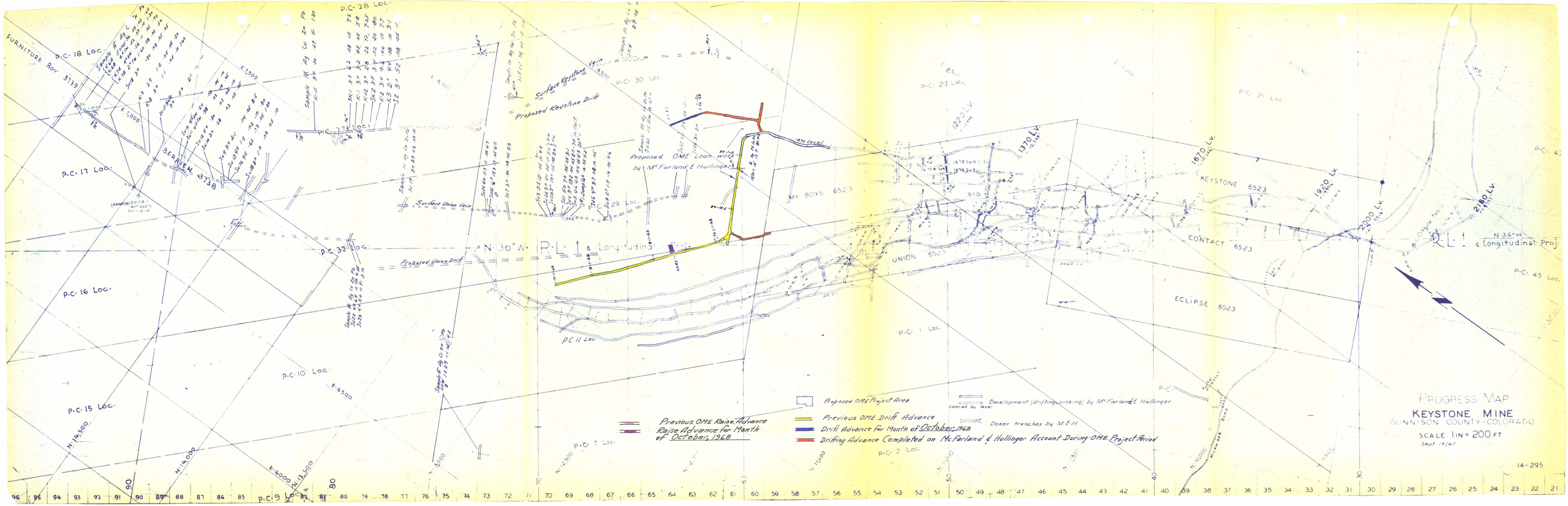


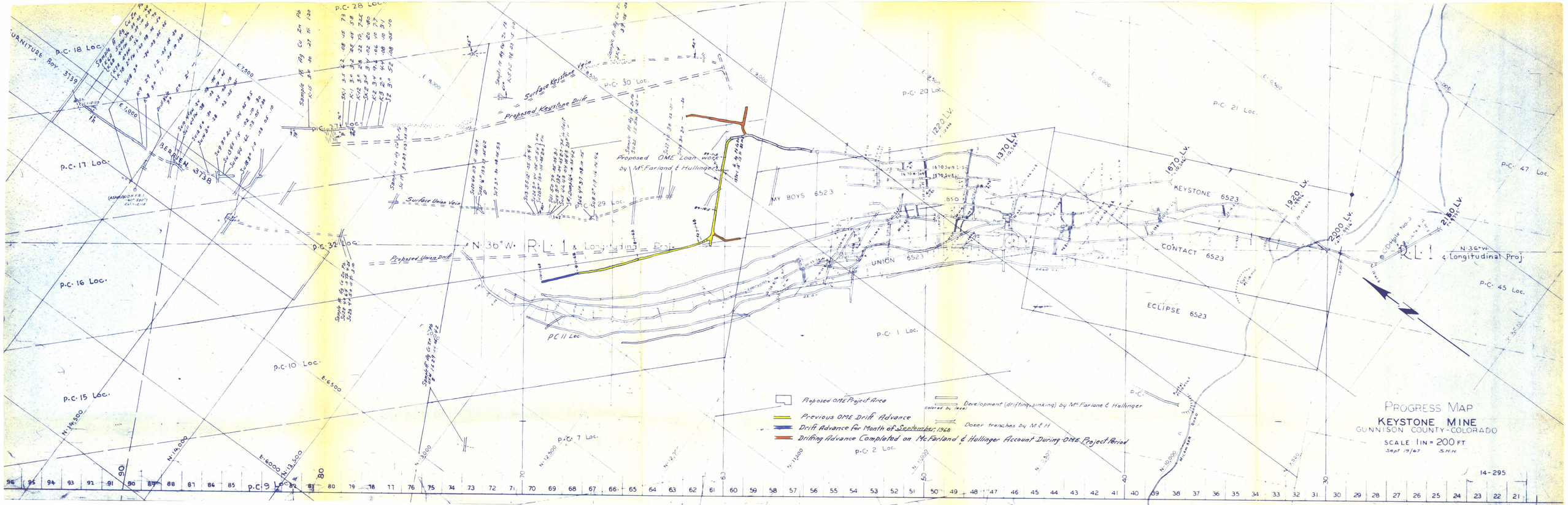
Location of proposed Amendment No. 2 drifting for silver bearing ore bodies under existing contract 2259 - OME 6640 (Silver)

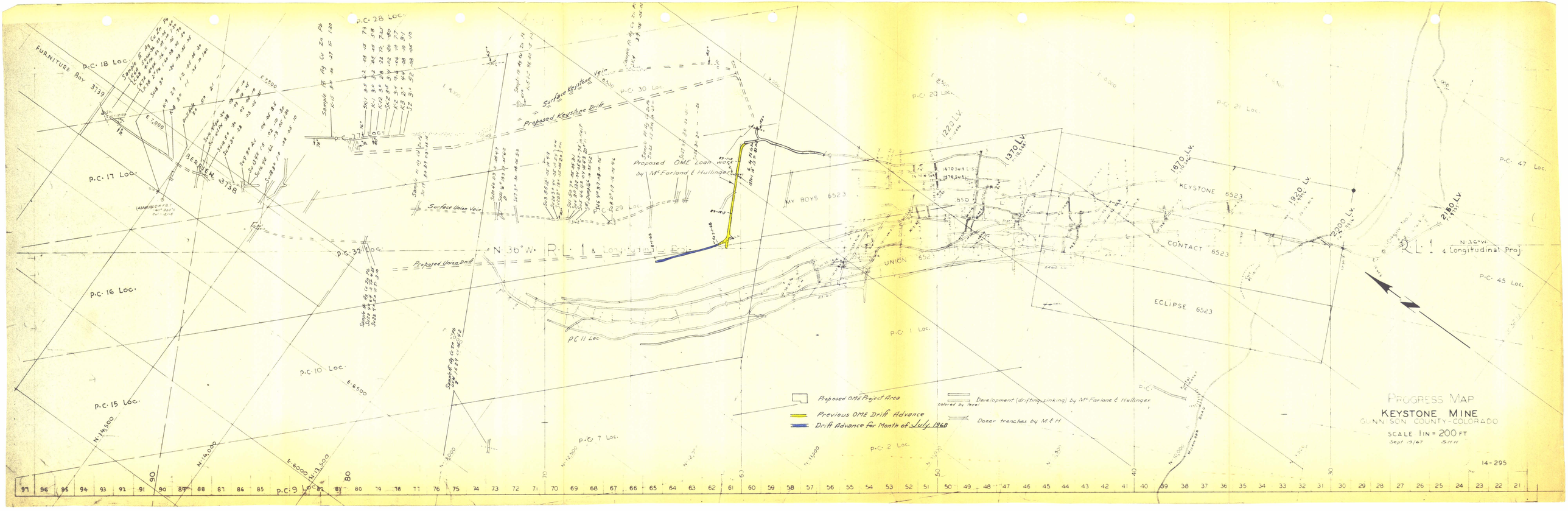

KEYSTONE MINE
McFARLAND & HULLINGER
1370 LEVEL GEOLOGIC MAP
SCALE: 1" = 50'
M.T. EVANS 7-68
7,600 E.
7,800 E.
8,000 E.
8,200 E.
8,400 E.
8,600 E.
8,800 E.
9,000 E.
13,400 N.
13,200 N.
13,000 N.
12,800 N.
12,600 N.
12,400 N.
12,200 N.
12,000 N.
Elev. 11,540'
Trench in Vein Ore
Elev. Portal 11,342'
"Surface Union Vein"
Elev. 11,256
Surface Elev. 11,120'
Last trench South to reach
Vein Ore in bedrock.
Note:
500' Strike length of solid vein ore
located 1200' NW of SK-4 (See 200 Scale Plan Map)
SK-4
Residual Oxidized Vein-Leached
Ag Cu Zn Pb
3.9 .05 .05 .05
"Surface Keystone Vein"
Oxidized & leached vein ok.
Sample ft. Ag Cu Zn Pb
SK8 3.5 .22 .14 .06 .025
Elev. 11,280'
1370 N-Keystone Drift
1370 N-Union Drift
1370 Level West X-Cut Drift
1361 Raise
Big Raise Sent
66 N
65 N
64 N
63 N
62 N
61
60 N
59 N
Sample ft. Au Ag Pb Cu Zn
7003 2.4 .03 4.7 6.7 .90 6.7
Sample ft. Ag Pb Cu Zn
1370-1 1.8 1.50 Tr .82 10.80
Sample ft. Ag Pb Cu Zn
7822 3.0 3.9 .45
7821 4.0 5.4 .45 .14 .85
7056 4.0 5.2 2.25 .54 8.05
White-gray S.S.
SHPS. & STY.

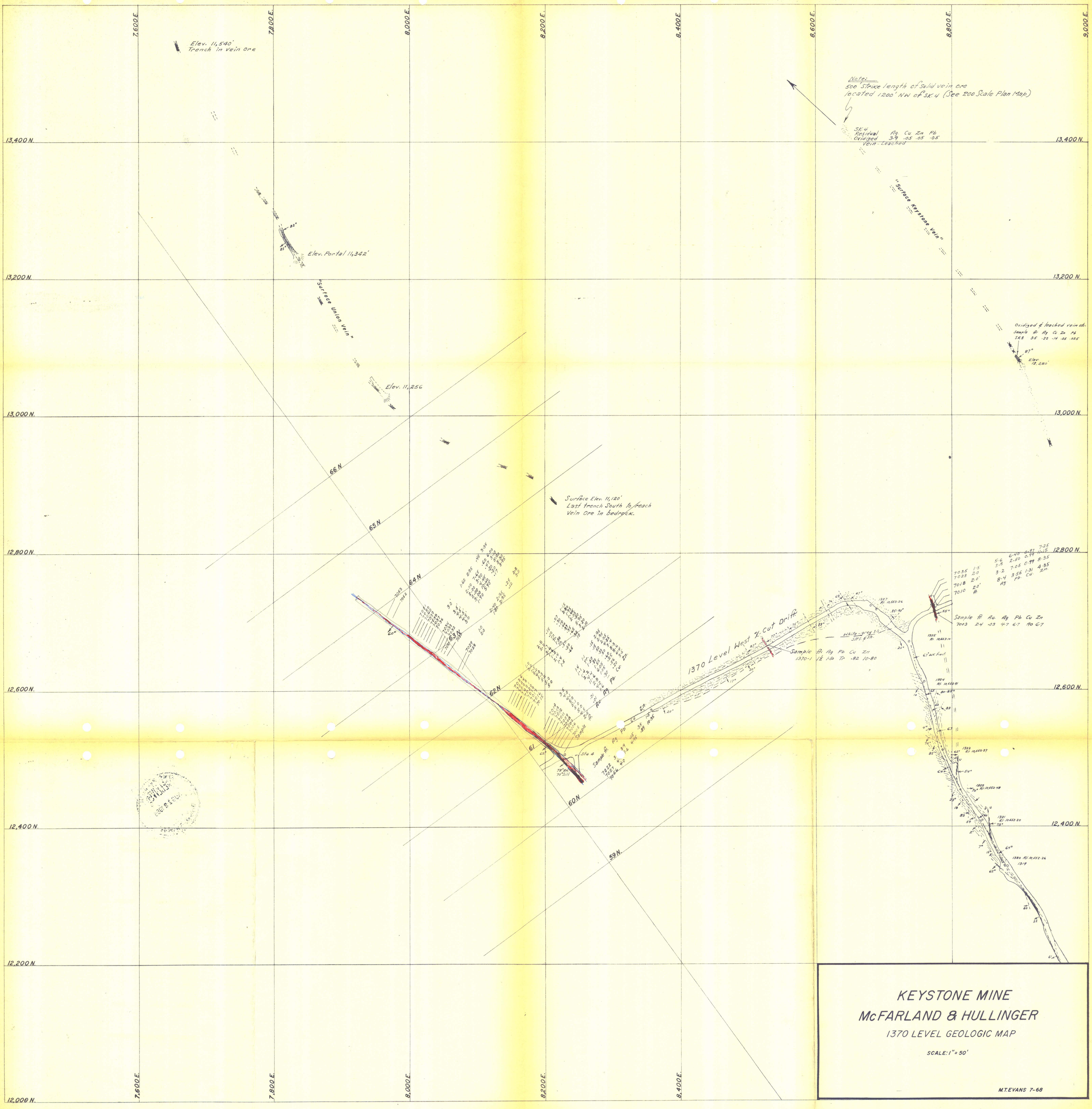

PROGRESS MAP
KEYSTONE MINE
GUNNISON COUNTY-COLORADO
SCALE 1 in = 200 FT
Sept 19/67
14-295
Proposed OME Project Area
Previous OME Drift Advance
Drift Advance for Month of November
Drifting Advance Completed on McFarland & Hullinger Account During OME Project Period
Development (drifting, sinking) by McFarland & Hullinger colored by level
Dozer trenches by M & H
Previous OME Raise Advance
Raise Advance for Month of November
Proposed OME Loan Work by McFarland & Hullinger
Surface Keystone Vein
Surface Union Vein
Proposed Union Drift
N 36° W P.L. 1 Longitudinal Proj
KEYSTONE 6523
CONTACT 6523
ECLIPSE 6523
UNION 6523
MY BOYS 6523
BERLIEN 2138
FURNITURE BOY 3739
P.C. 18 Loc.
P.C. 17 Loc.
P.C. 16 Loc.
P.C. 15 Loc.
P.C. 10 Loc.
P.C. 11 Loc.
P.C. 9 Loc.
P.C. 7 Loc.
P.C. 2 Loc.
P.C. 1 Loc.
P.C. 29 Loc.
P.C. 30 Loc.
P.C. 32 Loc.
P.C. 45 Loc.
P.C. 47
1370 LV.
1670 LV.
1920 LV.
2000 LV.
2180 LV.
1222 LV.
N.14,500
N.14,000
N.13,500
E.6000
E.6500
E.7500
E.1000

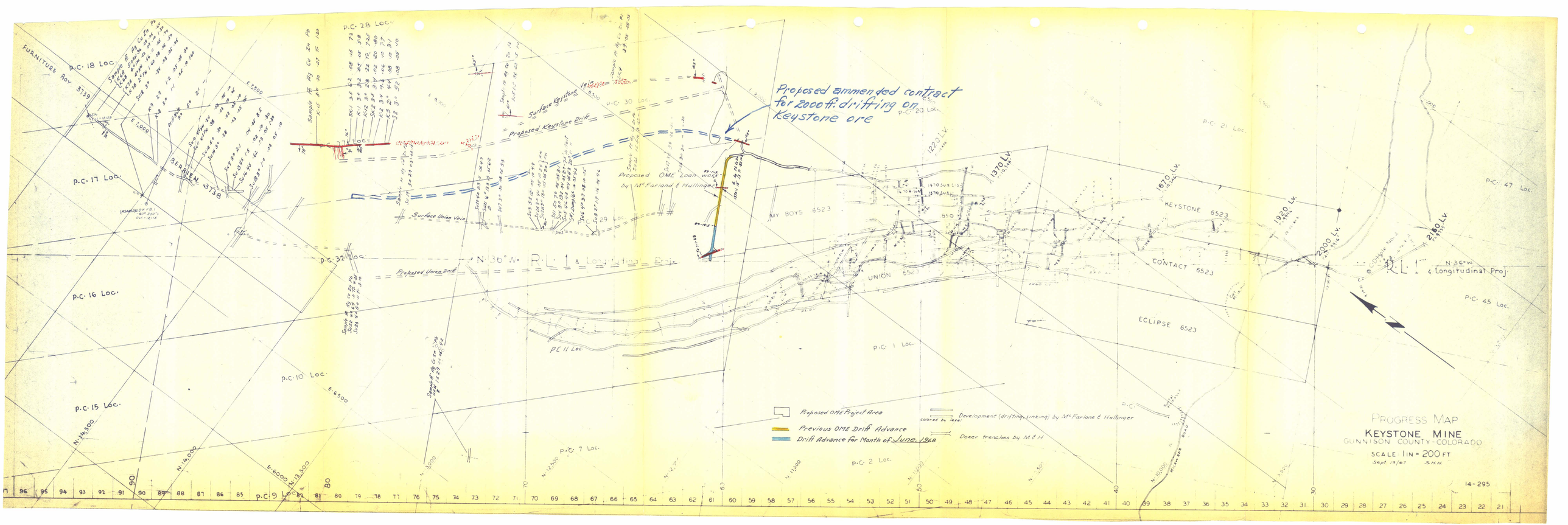

KEYSTONE MINE
McFARLAND & HULLINGER
1370 LEVEL GEOLOGIC MAP
SCALE: 1" = 50'
M.T. EVANS 7-68
7,600 E.
7,800 E.
8,000 E.
8,200 E.
8,400 E.
8,600 E.
8,800 E.
9,000 E.
13,400 N.
13,200 N.
13,000 N.
12,800 N.
12,600 N.
12,400 N.
12,200 N.
12,000 N.
Elev. 11,540'
Trench in Vein Ore
Elev. Portal 11,342'
"Surface Union Vein"
Elev. 11,256
Heavily pyritized Zone
1370 N-Union Drift
1363 Raise Sect.
66 N
65 N
64 N
63 N
62 N
61
60 N
59 N
Surface Elev. 11,120'
Last trench South to reach
Vein Ore in bedrock.
1370 Level West X-cut Drift
Note:
500' Strike length of solid vein ore
located 1200' NW of SK-4 (See 200 Scale Plan Map)
SK-4
Residual Ag Cu Zn Pb
Oxidized 3.9 .05 .05 .05
Vein - Leached
"Surface Keystone Vein"
1370 N-Keystone Drift
1361 Raise
Oxidized & leached vein ok.
Sample ft. Ag Cu Zn Pb
SK8 3.5 .22 .14 .05 .025
Elev. 11,280
Sample ft. Au Ag Pb Cu Zn
7003 2.4 .03 4.7 6.7 .90 6.7
Sample ft. Ag Pb Cu Zn
1370-1 1½ 1.50 Tr .82 10.80

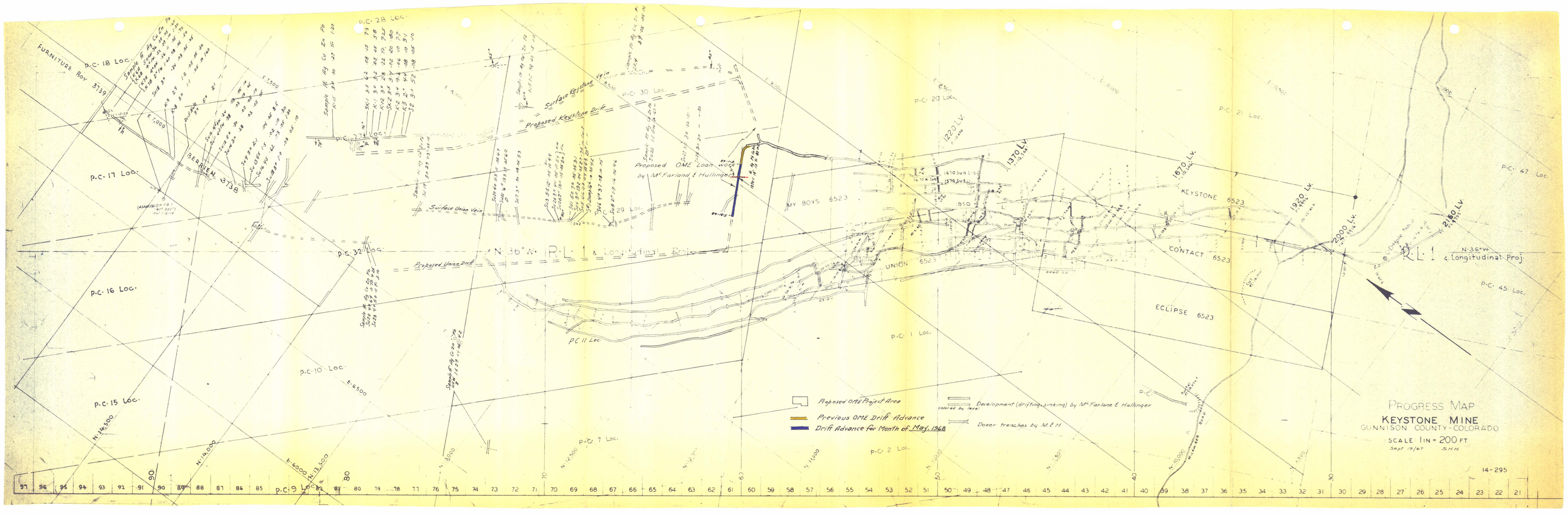

PROGRESS MAP
KEYSTONE MINE
GUNNISON COUNTY - COLORADO
SCALE 1 IN = 200 FT
Sept 19/67
14-295
Proposed OME Project Area
Previous OME Drift Advance
Drift Advance for Month of October 1968
Drifting Advance Completed on McFarland & Hullinger Account During OME Project Period
Development (drifting, sinking) by McFarland & Hullinger
colored by level
Dozer trenches by M & H
Previous OME Raise Advance
Raise Advance for Month of October 1968
Proposed Keystone Drift
Surface Keystone Vein
Proposed OME Loan work by McFarland & Hullinger
Surface Union Vein
Proposed Union Drift
N 36° W R.L. 1 & Longitudinal Proj.
FURNITURE BOY 3739
BERLIEN 3738
MY BOYS 6523
KEYSTONE 6523
CONTACT 6523
UNION 6523
ECLIPSE 6523
P.C. 18 Loc.
P.C. 17 Loc.
P.C. 16 Loc.
P.C. 15 Loc.
P.C. 10 Loc.
P.C. 9 Loc.
P.C. 11 Loc.
P.C. 7 Loc.
P.C. 2 Loc.
P.C. 1 Loc.
P.C. 20 Loc.
P.C. 21 Loc.
P.C. 28 Loc.
P.C. 29 Loc.
P.C. 30 Loc.
P.C. 32 Loc.
P.C. 45 Loc.
1370 Lv.
1920 Lv.
2000 Lv.
2150 Lv.
E 7500
E 7000
E 6500
E 6000
N 14,500
N 14,000
N 13,500
N 12,500
N 11,500
N 10,000

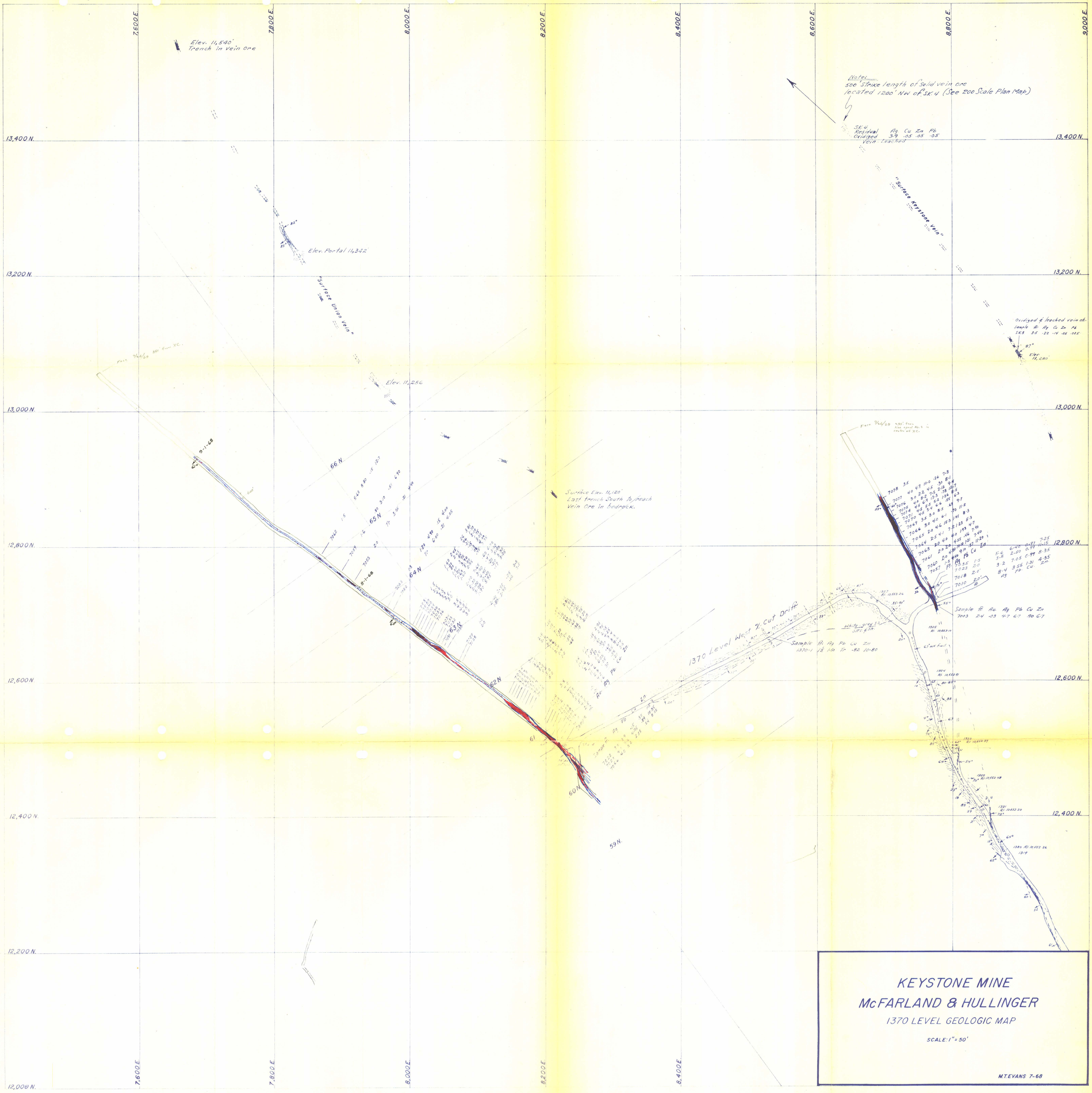

PROGRESS MAP
KEYSTONE MINE
GUNNISON COUNTY-COLORADO
SCALE 1in = 200 FT
Sept 19/67 S.H.H.
14-295
Proposed OME Project Area
Previous OME Drift Advance
Drift Advance for Month of September, 1968
Drifting Advance Completed on McFarland & Hullinger Account During OME Project Period
Development (drifting-sinking) by McFarlane & Hullinger
Dozer trenches by M&H
colored by level
Proposed OME Loan work by McFarland & Hullinger
Proposed Keystone Drift
Surface Keystone Vein
Surface Union Vein
Proposed Union Drift
N 36° W R.L. 1 & Longitudinal Proj.
MY BOYS 6523
KEYSTONE 6523
CONTACT 6523
UNION 6523
ECLIPSE 6523
BERLIN 3738
FURNITURE Boy 3739
1220 LV.
1370 LV.
1670 LV.
1920 LV.
2000 LV.
2180 LV.
P.C. 18 Loc.
P.C. 17 Loc.
P.C. 16 Loc.
P.C. 15 Loc.
P.C. 10 Loc.
P.C. 9 Loc.
P.C. 7 Loc.
P.C. 2 Loc.
P.C. 1 Loc.
P.C. 11 Loc.
P.C. 32 Loc.
P.C. 29 Loc.
P.C. 30 Loc.
P.C. 28 Loc.
P.C. 27 Loc.
P.C. 20 Loc.
P.C. 21 Loc.
P.C. 45 Loc.
P.C. 47 Loc.
N 14,500
N 14,000
N 13,500
N 12,500
N 11,000
N 10,000
E 6000
E 6500
E 1000
E 2500
E 8,000
E 9,000
E 10,000
E 11,000

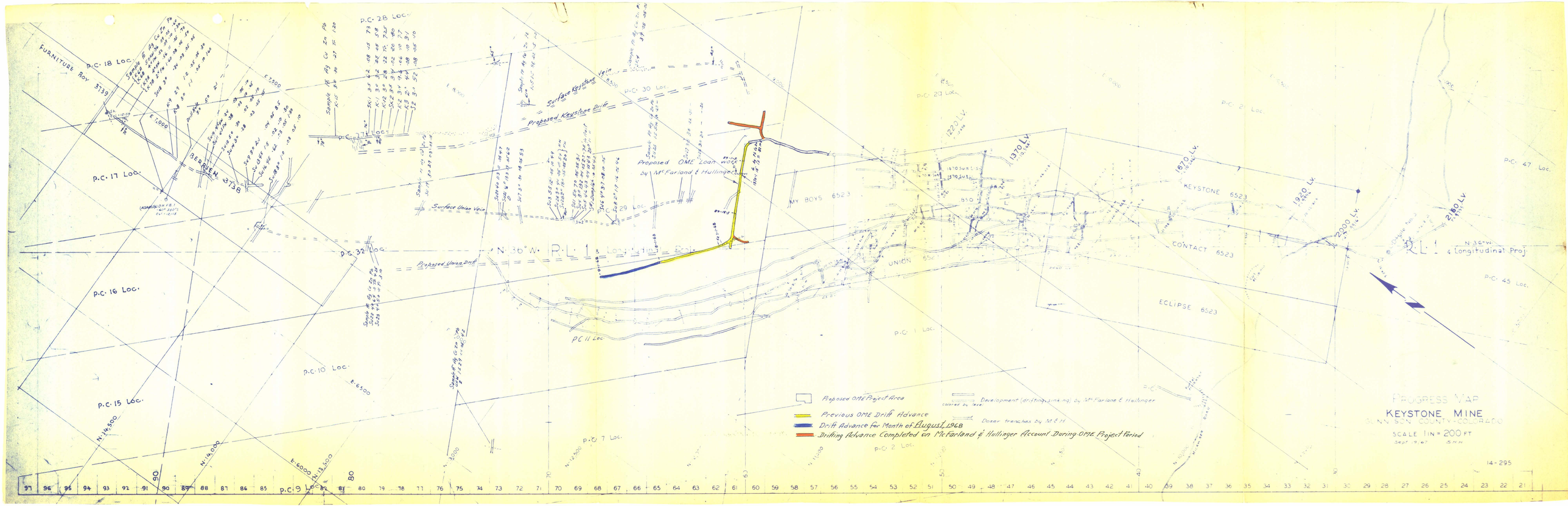

PROGRESS MAP
KEYSTONE MINE
GUNNISON COUNTY-COLORADO
SCALE 1 in = 200 FT
Sept 19/67 S.H.H.
14-295
Proposed OME Project Area
Previous OME Drift Advance
Drift Advance for Month of July 1968
Development (drifting, sinking) by McFarlane & Hullinger, colored by level
Dozer trenches by M & H
Proposed OME Loan work by McFarland & Hullinger
Surface Keystone Vein
Proposed Keystone Drift
Surface Union Vein
Proposed Union Drift
N 36° W R.L. 1 & Longitudinal Proj.
N 36° W R.L. 1 & Longitudinal Proj.
FURNITURE BOY 3739
BERLIN 3738
MY BOYS 6523
KEYSTONE 6523
CONTACT 6523
UNION 6523
ECLIPSE 6523
1220 LV.
1370 LV.
1670 LV.
1920 LV.
2200 LV.
2150 LV.
P.C. 18 Loc.
P.C. 17 Loc.
P.C. 16 Loc.
P.C. 15 Loc.
P.C. 10 Loc.
P.C. 9 Loc.
P.C. 7 Loc.
P.C. 2 Loc.
P.C. 1 Loc.
P.C. 11 Loc.
P.C. 20 Loc.
P.C. 21 Loc.
P.C. 28 Loc.
P.C. 30 Loc.
P.C. 29 Loc.
P.C. 32 Loc.
P.C. 45 Loc.
P.C. 47 Loc.
N:14,500
N:14,000
N:13,500
E:6500
E:6000
E:7500
E:7000
E:8000
E:9000
E:10,000
N:12,500
N:12,000
N:11,000
N:10,000
97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21

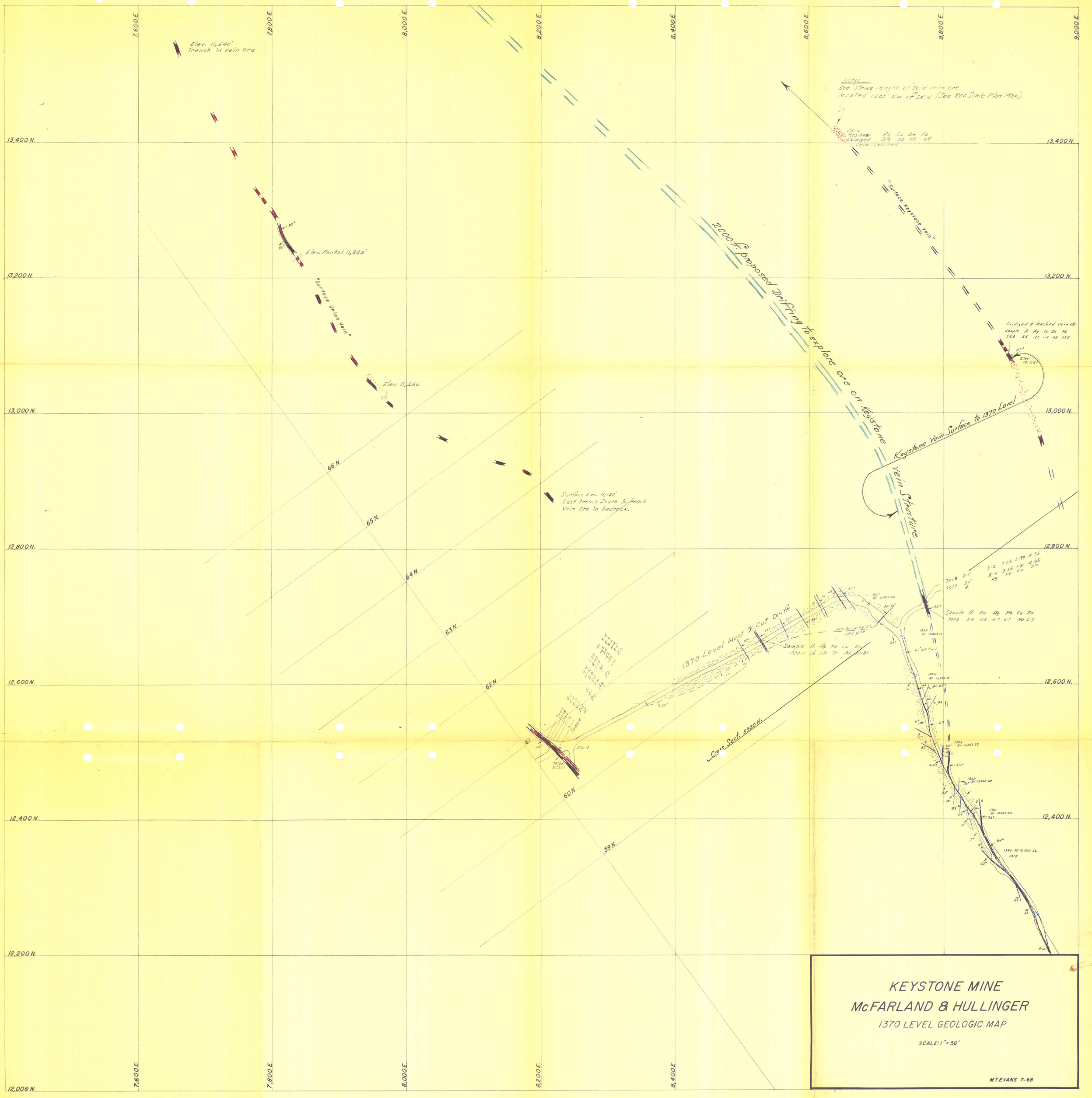

7,600 E.
7,800 E.
8,000 E.
8,200 E.
8,400 E.
8,600 E.
8,800 E.
9,000 E.
13,400 N.
13,200 N.
13,000 N.
12,800 N.
12,600 N.
12,400 N.
12,200 N.
12,000 N.
Elev. 11,540'
Trench in vein ore
Note:
500' Strike length of solid vein ore
located 1200' NW of SK-4 (See 200 Scale Plan Map)
SK-4
Residual Oxidized Vein-Leached
Ag Cu Zn Pb
3.9 .05 .05 .05
"Surface Keystone Vein"
Elev. Portal 11,342'
"Surface Union Vein"
Elev. 11,256
Oxidized & leached vein ob.
Sample ft. Ag Cu Zn Pb
SK3 3.5 .22 .14 .05 .025
Elev. 12,280'
66 N
65 N
64 N
63 N
62 N
61
60 N
59 N
Surface Elev. 11,120'
Last trench South to reach
Vein Ore in bedrock.
1370 Level West X-Cut Drift
Sample ft. Au. Ag Pb Cu Zn
7003 2.4 .03 4.7 6.7 90 6.7
Sample ft. Ag Pb Cu Zn
1370-1 1½ 1.50 Tr .82 10.80
White - 91° 64 S.S.
Silt S & Str.
Sta 4
KEYSTONE MINE
McFARLAND & HULLINGER
1370 LEVEL GEOLOGIC MAP
SCALE: 1" = 50'
M.T. EVANS 7-68


Proposed ammended contract for 2000 ft. drifting on Keystone ore
Proposed OME Project Area
Previous OME Drift Advance
Drift Advance for Month of June 1968
Development (drifting, sinking) by Mc Farlane & Hullinger
Dozer trenches by M & H
PROGRESS MAP
KEYSTONE MINE
GUNNISON COUNTY-COLORADO
SCALE 1 IN = 200 FT
Sept. 19/67 S.H.H.
14-295
FURNITURE BOY 3139
BERLIN 3738
MY BOYS 6523
UNION 6523
KEYSTONE 6523
CONTACT 6523
ECLIPSE 6523
Surface Keystone
Proposed Keystone Drift
Surface Union Vein
Proposed Union Drift
Proposed OME Loan work by Mc Farland & Hullinger
N 36° W R.L. 1 & Longitudinal Proj.
P.C. 18 Loc.
P.C. 17 Loc.
P.C. 16 Loc.
P.C. 15 Loc.
P.C. 28 Loc.
P.C. 27 Loc.
P.C. 30 Loc.
P.C. 29 Loc.
P.C. 32 Loc.
P.C. 11 Loc.
P.C. 10 Loc.
P.C. 9 Loc.
P.C. 7 Loc.
P.C. 1 Loc.
P.C. 2 Loc.
P.C. 21 Loc.
P.C. 47 Loc.
P.C. 45 Loc.
1223 Lv.
1370 Lv.
1870 Lv.
1950 Lv.
2000 Lv.
2160 Lv.


PROGRESS MAP
KEYSTONE MINE
GUNNISON COUNTY-COLORADO
SCALE 1 in = 200 FT
Sept 19/67 S.H.H.
14-295
Proposed OME Project Area
Previous OME Drift Advance
Drift Advance for Month of May 1968
Development (drifting-sinking) by Mc Farlane & Hullinger colored by level
Dozer trenches by M & H
N 36° W R.L. 1 & Longitudinal Proj.
Proposed Keystone Drift
Proposed Union Drift
Surface Keystone Vein
Surface Union Vein
Proposed OME Loan work by Mc Farland & Hullinger
FURNITURE BOY 3739
BEQUIEM 3738
MY BOYS 6523
KEYSTONE 6523
CONTACT 6523
UNION 6523
ECLIPSE 6523
1222 LV.
1370 LV.
1670 LV.
1920 LV.
2000 LV.
2160 LV.
P.C. 18 Loc.
P.C. 17 Loc.
P.C. 16 Loc.
P.C. 15 Loc.
P.C. 28 Loc.
P.C. 30 Loc.
P.C. 29 Loc.
P.C. 32 Loc.
P.C. 11 Loc.
P.C. 10 Loc.
P.C. 9 Loc.
P.C. 7 Loc.
P.C. 2 Loc.
P.C. 1 Loc.
P.C. 20 Loc.
P.C. 21 Loc.
P.C. 47 Loc.
P.C. 45 Loc.


7,600 E.
7,800 E.
8,000 E.
8,200 E.
8,400 E.
8,600 E.
8,800 E.
9,000 E.
13,400 N.
13,200 N.
13,000 N.
12,800 N.
12,600 N.
12,400 N.
12,200 N.
12,000 N.
Elev. 11,540'
Trench in Vein Ore
Elev. Portal 11,342
"Surface Union Vein"
Elev. 11,256
Face 7/26/68 80' from XC.
9-1-68
66 N
65 N
64 N
63 N
62 N
61
60 N
59 N.
Surface Elev. 11,120'
Last trench South to reach
Vein Ore in bedrock.
Note:
500' Strike length of Solid vein ore
located 1200' NW of SK-4 (See 200 Scale Plan Map)
SK-4
Residual Ag Cu Zn Pb
Oxidized 3.9 .05 .05 .05
Vein leached
"Surface Keystone Vein"
Oxidized & leached vein ob.
Sample ft Ag Cu Zn Pb
1K8 3.5 .22 .14 .05 .025
87°
Elev. 11,280'
Face 7/26/68 485' from line upraise No. 2 in crosscut at XC.
Sample ft Au Ag Pb Cu Zn
7003 2.4 .03 4.7 6.7 .90 6.7
1370 Level West Z-cut Drift
White 91.64 S.S.
Sift 6.37'
Sample ft Ag Pb Cu Zn
1370-1 1½ 1.50 Tr .82 10.80
67' wk fwl
KEYSTONE MINE
McFARLAND & HULLINGER
1370 LEVEL GEOLOGIC MAP
SCALE: 1" = 50'
M.T. EVANS 7-68


PROGRESS MAP
KEYSTONE MINE
SAN JUAN COUNTY, COLORADO
SCALE 1 IN = 200 FT
Sept 1967 S.H.M.
14-295
Proposed OME Project Area
Previous OME Drift Advance
Drift Advance for Month of August 1968
Drifting Advance Completed on McFarland & Hullinger Account During OME Project Period
Development (drifting, sinking) by McFarland & Hullinger
colored by level
Dozer trenches by M & H
Proposed OME Loan Work by McFarland & Hullinger
Proposed Keystone Drift
Surface Keystone Vein
Surface Union Vein
Proposed Union Drift
N. 36° W. P.L. 1 & Longitudinal Proj.
N. 36° W. P.L. 1 & Longitudinal Proj.
FURNITUSE Roy 3139
BERLIN 3138
MY BOYS 6523
KEYSTONE 6523
CONTACT 6523
ECLIPSE 6523
UNION 6523
P.C. 18 Loc.
P.C. 17 Loc.
P.C. 16 Loc.
P.C. 15 Loc.
P.C. 28 Loc.
P.C. 30 Loc.
P.C. 29 Loc.
P.C. 32 Loc.
P.C. 11 Loc.
P.C. 10 Loc.
P.C. 9 Loc.
P.C. 7 Loc.
P.C. 20 Loc.
P.C. 2 Loc.
P.C. 1 Loc.
P.C. 47 Loc.
P.C. 45 Loc.
1220 LV.
1370 LV.
1670 LV.
1920 LV.
2000 LV.
2150 LV.
N. 14,500
N. 14,000
E. 6500
E. 6000
E. 2500
E. 2000


KEYSTONE MINE
McFARLAND & HULLINGER
1370 LEVEL GEOLOGIC MAP
SCALE: 1" = 50'
M.T. EVANS 7-68
7,600 E.
7,800 E.
8,000 E.
8,200 E.
8,400 E.
8,600 E.
8,800 E.
9,000 E.
13,400 N.
13,200 N.
13,000 N.
12,800 N.
12,600 N.
12,400 N.
12,200 N.
12,000 N.
Elev. 11,540'
Trench in vein ore
Elev. Portal 11,342'
"Surface Union Vein"
Elev. 11,256
Surface Elev. 11,120'
Last trench South to reach
Vein Ore in bedrock.
2000 ft. proposed Drifting to explore ore on Keystone
"Surface Keystone Vein"
Keystone Vein Surface to 1370 Level
Vein Structure
1370 Level West X-Cut Drift
Cross Sect. 5320 N.
66 N
65 N
64 N
63 N
62 N
61
60 N
59 N.
Note:
500' Strike length of Solid vein ore
located 1200' N.W. of Sk. 4 (See 200 Scale Plan Map)
Sk. 4
Residual
Oxidized
Vein - Leached
Ag Cu Zn Pb
3.9 .05 .05 .05
Oxidized & leached vein ok.
Sample ft. Ag Cu Zn Pb
Sk. 3 3.5 .22 .14 .05 .025
Elev. 12,280
Sample ft. Au. Ag Pb Cu Zn
7003 2.4 .03 4.7 6.7 .90 6.7
Sample ft. Ag Pb Cu Zn
1370-1 1½ 1.50 Tr .82 0.80
White gray Ss
Sample