MME FORM 60
SEPT. 1959

OFFICIAL COPY
O. M. I.
RECEIVED
SEP 13 1966
INITIALS CO E

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME 6436
Contract No.
14-23-090- 2203
Contract Amount $ 174,860.00
Gov't. Participation % 75 $ 131,145.00
Mineral(s) Silver

OPERATOR'S MONTHLY VOUCHER

For Month of May and June 1966

Operator's Name CORTEZ JOINT VENTURE
Address 2300 Russ Building, San Francisco, Calif. 94104

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	- 0 -	176.00	176.00			
Drifting Crosscutting	- 0 -	108,645.60	108,645.60			
Crosscutting Drill Sta	- 0 -	4,792.50	4,792.50			
Drilling Core	4,563.10	8,774.53	13,337.63			
Mob-Demobilization	1,800.00	2,767.50	4,567.50			
Fixed Unit Cost	881.80	5,835.13	6,716.93			
(2) Personal Services:						
Supervision & Technical	429.55	4,457.73	4,887.28			
Outside Consultants						
Labor	- 0 -	2,385.00	2,385.00			
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Card Board Core Boxes	41.00	149.00	190.00			
(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 18%	77.32	1,231.70	1,309.02			
Employee's Liability Ins.						
TOTALS	7,792.77	139,214.69	147,007.46			

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

Date 8-31-66 *Payee Cortez Joint Venture

Per [signature] Title Vice President Managing Coventurer

* 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:

$ 5702.09

Signature [signature] 14X0804
(Authorized Certifying Officer)

Date SEP 14 1966 Vou. No. 2226

(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. 2203

Signature H B Stager Title FIELD OFFICER Date SEPT. 6, 1966

Approved by OME Executive Officer or Alternate: OME REGION II

Signature H B Stager Title FIELD OFFICER Date SEPT. 6, 1966

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.

0 6 9 4 4 7

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of May and June 1966 Docket No. OME 6436

Operator's Name CORTEZ JOINT VENTURE Contract No. 14-23-090-2203

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	2040	-0-	1986.8	101,093.16	0	1986.8	$ 101,093.16
Crosscutting	600	-0-	623.1	28,781.78	0	623.1	28,781.78
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond	3400	851	2345.0	16,956.52	851	2345.0	16,956.52
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails	180hr	-0-	11	176.00	0	11	176.00
Stripping							
Trenching							
Test Pitting							
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)*				147,007.46			$ 147,007.46

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 8-31-66 Operator Cortez Joint Venture

Per [signature] Title Vice President Managing Coventurer

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 [signature]

Title Field Officer, OME Region II
Government Representative

Date Sept. 6, 1966

(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
SEP 12 8 26 AM '68
RECEIVED
GEOLOGICAL SURVEY
069447

Cortez Joint Venture
2300 Russ Building
San Francisco, Calif. 94104

$7,792.77	$190.00	$7,602.77
		$5,702.08 Govt. Share
	CME # 6436 Contract # 2203	May and June, 1966

December, 1965,	Cardboard	Boxes	7.00
January, 1966	"	"	69.00
February, 1966	"	"	73.00
May & June, 1966	"	"	41.00
			190.00

~~Memorandum~~

You do not have supporting documents for these charges.

[illegible]

E. Gibson

AUG 4 1966

INVOICE

JUL 25 1966
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E. J. LONGYEAR COMPANY

Diamond Core Drilling

Foundation Testing and Grouting Contractors

76 SOUTH 8TH STREET
MINNEAPOLIS, MINNESOTA 55402

June 30, 1966

American Exploration and Mining Company
2300 Russ Building
San Francisco, California 94104
Att'n: Mr. J.B. Bush

TERMS: PAYMENT DUE ON OR BEFORE
August 11, 1966

Invoice No. 66646

FORM 408

Exploratory drilling carried out during the month of June, 1966 in the vicinity of Cortez, Nevada as per the terms of our Agreement dated March 9, 1965, and Addendum No. 1 dated October 25, 1965. Total footage drilled during the month of June, 1966 - 851 feet.

Hole No.		From	To	Footage	Rate	Amount
CU7	AXWL DIAMOND DRILLING	230	330	100	5.25 @ ~~6.35~~	~~635.00~~ 525.00
CU4	BXBW DIAMOND DRILLING	0	2	2	5.25 @ ~~6.25~~	~~12.50~~ 10.50
CU4	AXWL DIAMOND DRILLING	2	200	198	5.00 @ ~~6.00~~	~~1,188.00~~ 990.00
CU4	AXWL DIAMOND DRILLING	200	280	80	5.25 @ ~~6.35~~	~~508.00~~ 410.00
CU8	BXBW DIAMOND DRILLING	0	2	2	5.25 @ ~~6.25~~	~~12.50~~ 10.50
CU8	AXWL DIAMOND DRILLING	2	200	198	5.00 @ ~~6.00~~	~~1,188.00~~ 990.00
CU8	AXWL DIAMOND DRILLING	200	250	50	5.25 @ ~~6.35~~	~~317.50~~ 262.50
CU9	BXBW DIAMOND DRILLING	0	3	3	5.25 @ ~~6.25~~	~~18.75~~ 15.75
CU9	AXWL DIAMOND DRILLING	3	200	197	5.00 @ ~~6.00~~	~~1,182.00~~ 985.00
CU9	AXWL DIAMOND DRILLING	200	221	21	5.25 @ ~~6.35~~	~~133.35~~ 110.25
				851		~~5,195.60~~ 4319.50

Rental of Compressor — 735.00

Moving and Setting Up

CU 14 - DE MOE

CU7	June 1	~~8 Man Hours~~
CU7	June 3	~~12 Man Hours~~
CU7	June 4	8 Man Hours OK
CU7	June 6	4 Man Hours OK
CU4	June 8	20 Man Hours OK
~~CU4~~	~~June 9~~	~~2 Man Hours~~
CU8	June 15	~~8 Man Hours~~ CU 14
CU8	June 16	8 Man Hours OK
CU9	June 22	24 Man Hours OK
		~~94~~ Man Hours CU

21 HRS @ 5.80

ONE = 121.80
249.40
371.20

371.20

@ 5.80 ~~545.20~~

Casing Left In Hole

CU 14 — 560 feet BX Casing @ 1.75 — 980.00

Nevada State Sales Tax @ 2% of 980.00 — 19.60

Standby Time

CU9 — June 23 — 1 Hour @ 11.60 — 11.60

Demobilization of Deep-Hole Underground Drilling — 115.00

~~7,902.00~~
7728.00

CORTEZ JOINT VENTURE	
Goods Rec'd	7-28-66
Price OK	J.L. Bergsby
Code #	Amount
5312-G	5317.40

ONE =

NON ONE =

CORTEZ JOINT VENTURE	
Goods Rec'd	7-28-66
Price OK	J.L. Bergsby
Code #	Amount
5312-G	2410.60

NON ONE 2410.60
ONE 5317.40
7728.00

CORTEZ JOINT VENTURE-OME CONTRACT 14-23-090-2203
For The Month of June, 1966

E.J. Longyear - Invoice Dated June 30, 1966:

851 feet	$5,195.60
Less Overcharge in Rates	876.10
	4,319.50
Moving Drill: 21 hours @ $11.60/hr	243.60
	$4,563.10

Ponderosa Development Company, Ltd.

WRITE TO:
P. O. BOX 5
ELKO, NEVADA 89801

NEVADA DIVISION
OFFICE
HOT SPRINGS ROAD

TELEPHONE
738-6811

May 25, 1966

MAY 31 1966

Cortez Joint Venture
% American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

STATEMENT

Cortez Joint Venture	Job # P-77-A	Statement # 13
Demobilization		$ 1,800.00

Make and mail remittance to;

Southern Arizona Bank & Trust Co.
P. O. Box 1871
Tucson, Arizona 85702

(and state on check "Re", Ponderosa Development Co., Ltd, assignment)

Please send copy of remittance to;

Ponderosa Development Co., Ltd.
Box 5
Elko, Nevada 89801

5319-6

M. L. Tate

M. L. Tate, Gen. Mgr.

CONTRACT MINE DEVELOPMENT AND MINERAL EXPLORATION
SURFACE AND UNDERGROUND • LOCATION AND ASSESSMENT WORK
DIVERSION TUNNELS • DAMS • ROADS • MINING AND LEASING
SURVEYING • MAPPING • CONSULTING • ENGINEERING • GEOLOGY

Date June 30, 1966

In Account With

AMERICAN EXPLORATION & MINING CO.

23rd Floor, Russ Building
San Francisco 4, Cal.

FIXED UNIT COSTS AS DESCRIBED IN OME CONTRACT 2203		
JEEP RENTAL (Attached)		
1,560 miles @ $0.15/mile		$ 234.00
OFFICE EXPENSE		
@ $100.00/month		100.00
ASSAY SAMPLES (Invoice Attached)		
12 samples Au-Ag @ $3.00 each	$ 36.00	
Freight on 12 samples @ $0.10 each	1.20	37.20
COMPRESSED AIR		
For core drilling 851 ft. @ $0.60/ft.		510.60
		$ 881.80

OME CONTRACT 2203
SCHEDULE OF DAILY JEEP MILEAGE DURING
JUNE 1966

	Jeep Mileage	
	Actual	Allowable
JUNE 1	60	60
2	60	60
3	63	60
4	63	60
5	--	--
6	61	60
7	60	60
8	60	60
9	64	60
10	60	60
11	62	60
12	--	--
13	60	60
14	60	60
15	62	60
16	60	60
17	61	60
18	61	60
19	--	--
20	60	60
21	61	60
22	60	60
23	60	60
24	61	60
25	62	60
26	--	--
27	60	60
28	60	60
29	63	60
30	60	60
	1584	1560

Telephone 363-3302

Hand Sample Serial 38790-38801

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

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

JUL 28 1966
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Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California

RESULTS PER TON OF 2000 POUNDS

July 22, 1966

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
V-53											
11901	0.070	0.9									
11902	0.005	None									
11903	0.015	3.2									
11904	0.010	1.4									
11905	0.005	None									
11906	0.010	2.8									
11907	0.010	1.3									
11908	0.015	1.1									
11909	0.015	4.9									
11910	Trace	None									
11911	0.010	0.6									
11912	0.005	0.5									

CIRCULATE TO

	V
JBE	✓
WJC	
HG	
LRS	
*AC	BY

Remarks

Charges $ 36.00

Glen P. Williams

CORTEZ JOINT VENTURE-OME CONTRACT 14-23-090-2203
Shareable Personal Services (as abstracted from the payroll records of AMERICAN EXPLORATION & MINING CO.)
For The Month of June 1966

Name	SUPERVISION & TECHNICAL J.J. Oberbillig
Allowable Pay Rate Per OME Contract 2203	$800.00
Shareable Under OME Contract	429.55
Total Gross Wages	675.00
Federal W/H	71.80
FICA	28.36
Employee Benefit Plan	18.06
Net Wages	556.78

AMERICAN EXPLORATION & MINING CO.

CABLE ADDRESS: "DRAGA"
TELEPHONE EXBROOK 2-4992

23RD FLOOR RUSS BUILDING
SAN FRANCISCO, CALIF. 94104

July 20, 1966

CORTEZ JOINT VENTURE, NEVADA

O.M.E. PROGRESS REPORT

MAY, JUNE, 1966

Exploration diamond drilling was resumed from its deferred status on June 4th with a 100 foot extension of D.D.H. CU 7. Subsequently, D.D.H. CU 4, CU 8 and CU 9 were completed.

D.D.H. CU 8 and CU 9 intersected the quartz-dike material as projected between D.D.H. CU 5 and CU 7. Prior to penetration of the Coleman Fault Zone (?), CU 4 intersected a five-foot "biotized dolomite" zone, which is on projection of the quartz vein. CU 9 was terminated 29 feet short of its programmed depth of 250 feet due to extremely difficult drilling conditions. However, after penetration of the quartz vein, the hole progressed through 15 feet of quartzite before termination.

The extension of D.D.H. CU 7 was completed in slightly altered dolomite containing minor limonite staining. No significant structural features or mineralization were noted.

D.D.H. CU 10 is presently being drilled in the programmed position, S 10 W at -42°.

Respectfully submitted,

J. J. Oberbillig

J. J. Oberbillig

JUL 25 1966
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Drill Hole Log

COMPANY AMEX | PROPERTY CORTEZ MINE | Section No. | HOLE No. CU 7 EXTENSION

Started JUNE 6, 1966	Bearing S 17° W	Lat. 21,335	Collar El. 6683	Logged by J. J. OBERBILLIG Date JUNE 16, 1966
Completed JUNE 8, 1966	Angle from Horiz. +2°	Dep. 40,481	Bottom El.	Remarks
Driller E. J. LONGYEAR Co.	Length 330 FT.	Location CUMMINS MS. 42 / PECULATION MS. 53	Level ARCTIC	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz. Au	ASSAY oz. Ag
230	240	10	10	100		FINE GRAINED GRAY DOLOMITE WITH ABUNDANT CALCITE FILLED FRACTURES. 1/2" FRACTURE @ 231 @ 20° WITH FINE GRAINED DISSEMINATED PYRITE. GRAY IRREGULAR MOTTLING WITH FINE GRAINED PYRITE 233-235		233-242	9.0		
240	250	10	10	100		SAME WITH CALCITE CRYSTALS IN VUGS, MINOR LIMONITE STAINING.					

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. EXTENSION C4 7

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date JUNE 16, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY		
250	260	10	10	100		SAME WITH GRAY MOTTLING AND MINOR PYRITE, 255 -260						
260	262	2	2	100		IRREGULAR CONTACT WITH BLUE DOLOMITE, CALCITE FRACTURE FILLING.						
262	270	8	8	100		BLUE-GRAY MOTTLED DOLOMITE.						
270	280	10	8.6	86		SAME WITH SMALL CALCITE CRYSTALS, MINOR LIMONITE STAINING.						
280	290	10	4.0	40		SAME, BROKEN, INCREASE IN LIMONITE STAINING						
290	300	10	7.6	76		SAME						

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. EXTENSION CU 7

Started	Bearing	Lat.	Collar El.	Logged by J.J. OBERBILLIG Date JUNE 16, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
300	310	10	10	100		BLUE-GRAY MOTTLED DOLOMITE, LIMONITE STAINED.				
310	315	5	4.7	94		SAME				
315	320	5	5	100		SILICIFIED GRAY DOLOMITE, MINOR QUARTZ CRYSTALS IN VUGS.				
320	330	10	8.8	88		GRAY DOLOMITE WITH GRANULAR CALCITE, LIMONITE STAINING THROUGH OUT.				
						BOTTOM OF HOLE				
						AVERAGE RECOVERY = 88.7%				

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JUL 25 1966
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Drill Hole Log

COMPANY AMEX PROPERTY CORTEZ MINE Section No. HOLE No. CU8

Started JUNE 16, 1966	Bearing S 42° E	Lat. 21,441	Collar El. 6683.7	Logged by J. J. OBERBILLIG Date JULY 6, 1966
Completed JUNE 22, 1966	Angle from Horiz. +1°	Dep. 40,101	Bottom El.	Remarks
Driller E. J. LONGYEAR Co.	Length 250 FT.	Location CUMMINGS M.S. 42	Level ARCTIC	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
						BX 0-3 ; AX 3-250				
0	10	10.0	7.7	77		GRAY DOLOMITE, CALCITE FILLED FRACTURES.				
10	20	10	8.9	89		SAME				
20	30	10	8	80		BLUE-GRAY DOLOMITE, CALCITE FILLED FRACTURES.				
30	40	10	10	100		SAME				
40	50	10	10	100		SAME				

FREE PRESS PRINT, ELKO, NEVADA

Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU8

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date JULY 6, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
50	60	10	11	110		SAME				
60	70	10	10.5	105		SAME				
70	80	10	8.5	85		SAME				
80	90	10	10.4	104		SAME				
90	92	2	2	100		SAME				
92	93	1	1	100		GRAY DOLOMITE FAULT BRECCIA, CALCITE CEMENT				
93	94	1	1	100		BLEACHED DOLOMITE WITH CALCITE, LIMONITE STAINING. VUGGY, SECONDARY CALCITE DIKE?				
94	100	6	6.2	103		BLUE-GRAY DOLOMITE, MINOR FAULT @ 97 @ 85°				

FREE PRESS PRINT, ELKO, NEVADA

Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU8

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date JULY 6, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz. Au	ASSAY oz. Ag
100	110	10	11.5	115		GRAY DOLOMITE, CALCITE FILLED FRACTURES					
110	111.5	1.5	1.5	100		SAME					
111.5	113	1.5	1.5	100		TAN ALTERED DOLOMITE - INTENSE SILICIFICATION - DIKE?	11907	111.5-114.5	3	0.010	1.3
113	114.5	1.5	1.5	100		GRAY - TAN ALTERED DOLOMITE, LESS ALTERATION, 1" VEIN CALCITE 116 FT. @ 80°					
114.5	118	3.5	2.5	71		GRAY DOLOMITE, PINK - TAN, CALCITE FILLED FRACT.					
118	120	2	2	100		SAME					
120	127.5	7.5	7.5	100		SAME					
127.5	130	2.5	2.5	100		LIGHT GRAY DOLOMITE, MINOR CALCITE FILLED FRACTURES, BROKEN CORE					
130	140	10	12	120		SAME					
140	143	3	2.2	73		SAME					
143	150	7	6.5	93		LIGHT GRAY DOLOMITE, MINOR CALCITE FILLED FRACTURES, BROKEN					

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. C48

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date JULY 6, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz. Au	ASSAY oz. Ag
150	160	10	5.5	55		LIGHT GRAY DOLOMITE, MINOR CALCITE FILLED FRACTURES, BROKEN.					
160	170	10	5	50		SAME					
170	177	7	4.5	64		SAME					
177	180	3	3.2	106		GRAY DOLOMITE, CALCITE FILLED FRACTURES.					
180	186	6	6	100		SAME					
186	190	4	3.8	95		TAN, HIGHLY ALTERED DOLOMITE WITH ZONES OF HIGH SILICIFICATION	11908	186-190	4	0.015	1.3
190	193	3	3	100		GRAY AND BROWN HIGHLY SILICIFIED DOLOMITE, VUGGY WITH QUARTZ CRYSTALS					
193	200	7	2	29		SAME	11909	190-206	16	0.015	4.9

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 8

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date JULY 6, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
200	206	6	6.5	108		SAME WITH INCREASE IN BROWN STAINING, WHITE QUARTZ.				
206	208	2	2	100		SAME - CONTACT @ 45°				
208	210	2	2	100		GRAY SILICIFIED DOLOMITE, CALCITE FRACTURE FILLING.				
210	215	5	4.3	86		SAME				
215	220	5	5	100		BLUE DOLOMITE WITH CALCITE FILLED FRACTURES				
220	230	10	10	100		SAME				
230	240	10	10.5	105		SAME				
240	249	9	8	89		SAME				
249	250	1	1	100		SAME BOTTOM OF HOLE				
						AVERAGE RECOVERY: 91.5%				

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JUL 25 1966
RECEIVE

Drill Hole Log

COMPANY AMEX | PROPERTY CORTEZ MINE | Section No. | HOLE No. CU 4

Started JUNE 8, 1966	Bearing S76°W	Lat. 21,446	Collar El. 6684.1	Logged by W.C. CHEESMAN J.J. OBERBINING Date JUNE 26, 1966
Completed JUNE 16, 1966	Angle from Horiz. +1°	Dep. 40,092	Bottom El.	Remarks
Driller E.J. LONGYEAR Co.	Length 280	Location CUMMINS MS 42 SPECULATION MS 53	Level ARCTIC	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
0	10	10	2.5	25%		BLUE-GRAY DOLOMITE, CALCITE FILLED FRACTURES				
10	20	10	6.4	64		SAME WITH BLEACHED DOLOMITE @ 13				
20	30	10	7	70		BLEACHED DOLOMITE, INTENSE CALCITE FRACTURE FILLING @ 29.5 FT.				
30	36	6	6	100		SAME				
36	36.5	0.5	0.5	100		IRON STAINED DIKE MATERIAL				
36.5	38.5	2.0	2.0	100		IRON STAINED SILICIFIED ZONE				
38.5	40	1.5	1.5	100		DOLOMITE, SILICIFIED, HARD				
40	50	10	4.1	41		SAME				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 4

Started	Bearing	Lat.	Collar El.	Logged by W.C. CHEESMAN J.J. OBERBRUNG Date JUNE 26, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz Au	ASSAY oz Ag
50	60	10	7.4	74		IRON STAINED SILICIFIED DOLOMITE, HARD					
60	70	10	10	100		SAME LARGE CALCITE FILLED FRACTURE, BLEBBY 63.2 FT.					
70	80	10	5.9	59		SAME					
80	90	10	9.2	92		SAME INTO GRADATIONAL BLEACHED DOLOMITE @ 81 FT.					
90	91.5	1.5	1.5	100		SAME					
91.5	100	8.5	7.3	86		IRON STAINED INTRUSION, CALCITE CRYSTALS, ALTERED (DIKE?)	11901	91.5-100	8.5	0.070	0.9

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 4

Started	Bearing	Lat.	Collar El.	Logged by W.C. CHEESMAN J. J. OBERBILLIG Date JUNE 26, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
100	110	10	9.1	91		LIGHT BLUE, BLEACHED, SLIGHTLY SILICIFIED DOLOMITE. GRADES INTO DARK BLUE DOLOMITE AT 105 FT.				
110	117	7	6.5	93		SAME				
117	119	2	2	100		IRON STAINED DIKE MATERIAL, MINOR IRON PYRITES.				
119	120	1	1	100		DARK BLUE DOLOMITE				
120	130	10	8.3	83		SAME				
130	140	10	10.5	105		SAME MINOR BRECCIA 136-137				
140	145	5	5	100		SAME				
145	148	3	3	100		EXTREME BRECCIATION, RE-CEMENTED WITH CALCITE. 145 - 148 FT. @ 45°				
148	150	2	1	50		DARK BLUE DOLOMITE				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 4

Started	Bearing	Lat.	Collar El.	Logged by W. C. CHEESMAN J. J. OBERBILLIG Date JUNE 26, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz Au	ASSAY oz. Ag
150	160	10	11.6	116		DARK BLUE DOLOMITE, CALCITE FILLED FRACTURES					
160	170	10	10	100		SAME					
170	175	5	5	100		SAME					
175	180	5	5	100		BLACK BIOTIZED DOLOMITE 179.5'-179.7' - CONSIDERABLE PYRITE ON SEAMS 179.7 - 180.0 - SIDERITE AND PYRITE IN BIOTITE					
180	180.2	0.2	0.2	100		QUARTZ VEIN WITH PYRITE IRON STAINED QUARTZ WITH PYRITE CUBES @ 180.2 @ 45°	11902	175-180.2	5.2	0.005	None
180.2	180.6	0.6	0.6	100		WHITE CALCITE					
180.6	190	9.4	9.4	100		LIGHT BLUE DOLOMITE					
190	200	10	10	100		SAME					

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CC 4

Started	Bearing	Lat.	Collar El.	Logged by W.C. CHEESMAN J.J. OBERBILLIG Date JUNE 26, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz Au	ASSAY oz Ag
200	210	10	7.6	76		LIGHT BLUE DOLOMITE					
210	213	3	3	100		SAME - BLEACHED					
213	213.4	0.4	0.4	100		DARK BLUE DOLOMITE BRECCIA @ 60° CALCITE AND ALTERATION					
213.4	220.0	6.6	6.6	100		DARK GRAY DOLOMITE					
220	230	10	9.3	93		SAME					
230	233	3	1.1	37		SAME					
233	237	4	1.2	30		SAME WITH CALCITE AND QUARTZ	11903	233-237	4	0.015	3.2
237	240	3	2.8	93		HIGHLY ALTERED, IRON STAINED, BRECCIATED DOLOMITE	11904	237-240	3	0.010	1.4
240	242	2	1.9	95		SAME					
242	245.5	3.5	3.4	97		HIGHLY BLEACHED DOLOMITE WITH SIDERITE ALTERATION					
245.5	247.0	1.5	1.5	100		SAME					
247	250	3	2.8	93		SAME WITH INTERMIXED ALTERED CALCITE.					

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 4

Started	Bearing	Lat.	Collar El.	Logged by W.C. CHEESMAN J.J. OBERBILLIG Date JUNE 26, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz Au	ASSAY oz Ag
250	260	10	10	100		SAME WITH INCREASE IN ALTERATION, VUGGY, CONSIDERABLE CALCITE, INCREASE IN BRECCIA. 254.5-265.0	11905	254.5-265	10.5	0.005	None
260	265	5	5	100		SAME					
265	270	5	2.3	46		BLEACHED DOLOMITE					
270	273	3	2	67		BRECCIATED QUARTZ AND DOLOMITE, IRON STAINED.	11906	270-273	3	0.010	2.8
273	280	7	6	86		LIGHT TO DARK GRAY DOLOMITE, BOTTOM OF HOLE					
						AVERAGE RECOVERY = 84.4%					

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JUL 25 1966
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Drill Hole Log

COMPANY AMEX | PROPERTY CORTEZ MINE | Section No. | HOLE No. CU9.

Started JUNE 6, 1966	Bearing S 38° E	Lat. 21,346	Collar El. 6688.5	Logged by J. J. OBERBILLIG Date JULY 7, 1966
Completed JUNE 30, 1966	Angle from Horiz. +23°	Dep. 40,488	Bottom El. 6775.5	Remarks
Driller E. J. LONGYEAR Co	Length 221 FT.	Location CUMMINS MS42 SPECULATION MS53	Level ARCTIC	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
0	3	3	2.7	90		BLUE-GRAY SILICIFIED DOLOMITE WITH CALCITE FILLED FRACTURES BX 0-3 AX 3-221				
3	10	7	7	100		SAME				
10	20	10	9.8	98		SAME				
20	30	10	10	100		SAME - WHITE CALCITE MOTTLING @28				
30	40	10	10	100		SAME BROKEN 38-41				
40	41	1	1	100		SAME				
41	44	3	2	67		MINOR BRECCIA, CALCITE CRYSTALS, BLEACHED DOLOMITE.				
44	50	6	5	83		BLUE-GRAY DOLOMITE				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CW 9.

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date JULY 7, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
50	60	10	10	100		BLUE-GRAY DOLOMITE WITH CALCITE FILLED FRACTURES.				
60	70	10	10	100		BLUE-GRAY DOLOMITE WITH CALCITE FILLED FRACTURES				
70	80	10	9.5	95		SAME LIGHT GRAY DOLOMITE 71-76 FT.				
80	90	10	10	100		SAME				
90	93.5	3.5	3.5	100		LIGHT GRAY DOLOMITE WITH CALCITE FILLED FRACTURES				
93.5	100	6.5	6.5	100		SAME				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 9.

Started	Bearing	Lat.	Collar El.	Logged by J.J. OBERBILLIG Date JULY 7, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
100	110	10	10	100		LIGHT GRAY DOLOMITE WITH CALCITE FILLED FRACTURES				
110	120	10	10	100		SAME DARK DOLOMITE INCLUSIONS AND IRREGULAR CALCITE FILLED FRACTURES FROM 110-115 FT.				
120	125	5	4.6	92		SAME				
125	130	5	5	100		BLUE-GRAY DOLOMITE				
130	135	5	5	100		SAME				
135	140	5	5.3	100+		GRAY DOLOMITE, CALCITE FILLED FRACTURES, WHITE CALCITE MOTTLING.				
140	150	10	10.2	100+		SAME LIMONITE STAINED CALCITE FROM 152-153 FT.				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 8

Started	Bearing	Lat.	Collar El.	Logged by J.J. OBERBILLIG Date JULY 7, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY Au	ASSAY Ag
150	153	3	3	100		GRAY DOLOMITE, CALCITE FILLED FRACTURES					
153	154	1	1	100		LIGHT GRAY TO TAN ALTERED AND HIGHLY SILICIFIED DOLOMITE.	11910	153-158	5	Trace	None
154	160	6	6	100		GRAY DOLOMITE WITH CALCITE FILLED FRACTURES					
160	170	10	9.8	98		SAME WITH LIMONITE STAINED CALCITE INCLUSIONS.					
170	174	4	4	100		SAME					
174	180	6	6	100		BLUE DOLOMITE WITH CALCITE FILLED FRACTURES.					
180	180.5	0.5	0.5	100		SAME					
180.5	180.6	0.1	0.1	100		MINOR FAULT @ 45° CALCITE CRYSTALS, LIMONITE - HEMATITE STAINING.					
180.6	183	2.4	2.4	100		DARK GRAY TO BROWN ALTERED DOLOMITE WITH IRON STAINING.	11911	184-195	11	0.010	0.6
183	190	7	7	100		BROWN ALTERED SILICIFIED DOLOMITE, MOTTLING REMNANTS					
190	199	9	9	100		SAME	11912	195-199	4	0.005	0.5
199	200	1	1	100		GRAY VITREOUS QUARTZITE, IRON STAINED 199 FT @ 26°					

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 9.

Started	Bearing	Lat.	Collar El.	Logged by J.J. OBERBILLIG Date JULY 7, 1966
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
200	210	10	10.6	100+		GRAY-BROWN IRON STAINED QUARTZITE MINOR QUARTZ STRINGERS @ 45°				
210	211	1	1	100		SAME				
211	220	9	9	100		GRAY VITREOUS QUARTZITE, IRON STAINED				
220	221	1	1	100		SAME BOTTOM OF HOLE AVERAGE RECOVERY = 98.8%				

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Standard Form No. 65
November 1961
General Services Administration
General Regulation No. 27

U.S. Government Messenger Envelope

65-106

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
Mr. Thornton	STOP		STOP
Warehouse	STOP		STOP
~~Sal Hernandez~~ 7070	STOP		STOP
Herb Lamansky Purch.	STOP		STOP
~~Property Mgmt~~	STOP		STOP
Chief Geologist Rm. 4243 GSA	STOP		STOP
[illegible]	STOP		STOP
Josephine Horan Rm. 5227 Interior	STOP		STOP
	STOP		STOP
Grace Ault, O.M.E., Rm. 4458 Int.	STOP		STOP

Use other side

Use STOP only when messenger service between Government buildings in Washington, D.C., is required or wherever a STOP system is used. Your mail room has STOP information.

INSTRUCTIONS FOR USE

1. Void Previously Used Block
2. Identify Agency of Addressee
3. Write Clearly
4. Send Surplus Envelopes to Supply Room for Reissue

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	STOP		STOP
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	STOP		STOP

Use other side first

☆ U.S. GOVERNMENT PRINTING OFFICE: 1964—O-723-679

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME 6436
Contract No. 14-23-090-2203
Contract Amount $174,860.00
Gov't. Participation % 75 $ 131,145.00
Mineral(s) Silver

OPERATOR'S MONTHLY VOUCHER

For Month of APRIL 1966

Operator's Name CORTEZ JOINT VENTURE
Address 2300 Russ Building, San Francisco, Calif. 94104

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						OFFICIAL COPY
(1) Independent Contracts:						
Bulldozing	-0-	176.00	176.00			
Drifting &Crosscutting	13463.25	95,182.35	108,645.60			REC'D
Crosscutting Drill Sta	639.00	4,153.50	4,792.50			JUN 22 1966
Drilling Core	-0-	8,774.53	8,774.53			
Mobilization	-0-	2,767.50	2,767.50			INITIAL CODE
Fixed Unit Cost	616.10	5,219.03	5,835.13			
(2) Personal Services:						
Supervision & Technical	540.72	3,917.01	4,457.73			220 P
Outside Consultants						120 M
Labor	-0-	2,385.00	2,385.00			110
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Cardboard Core Boxes	-0-	149.00	149.00			
(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 18%	97.33	1,134.37	1,231.70			
Employee's Liability Ins.						
TOTALS	15356.40	123,858.29	139,214.69			

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

Date May 31, 1966 *Payee Cortez Joint Venture

Per [signature] Title Vice President Managing Coventurer

* 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:

$ 11517.30

Signature [signature] 14X0804
(Authorized Certifying Officer)

Date JUN 22 1966 Vou. No. 9686

(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. 2203

Signature H B Stager Title FIELD OFFICER Date JUNE 2, 1966

Approved by OME Executive Officer or Alternate: OME REGION II

Signature H B Stager Title FIELD OFFICER Date JUNE 2, 1966

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.

RECEIVED JUN 13 4 05 PM '66 BUREAU OF MINES OFFICE OF SURVEY

90926

MME FORM 6'1
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of APRIL 1966 Docket No. OME 6436

Operator's Name CORTEZ JOINT VENTURE Contract No. 14-23-090- 2203

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	2040	141.0	1,986.8	99,293.16	141.0	1,986.8	$ 99,293.16
Crosscutting	600	183.5	623.1	28,781.78	183.5	623.1	28,781.78
Raising			9,609.5				
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond	3400	-0-	1,494.	10,963.75	0	1,494	10,963.75
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails	180 hrs	-0-	11 hrs	176.00	0	11	176.00
Stripping							
Trenching							
Test Pitting							
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)*				139,214.69			$ 139,214.69

REMARKS

* Crosscutting includes drill station crosscuts.

(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 May 31, 1966 Operator Cortez Joint Venture

Per [signature] Title Vice President Managing Coventurer

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 [signature]

Title FIELD OFFICER, REGION II
Government Representative

Date JUNE 2, 1966

(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.

INT.DUP.,D.C.59- 27162

Ponderosa Development Company, Ltd.

WRITE TO:
P. O. BOX 5
ELKO, NEVADA 89801

NEVADA DIVISION
OFFICE
HOT SPRINGS ROAD

TELEPHONE
738-6811

May 7, 1966

Cortez Joint Venture
% American Exlporation & Mining Co.
2300 Russ Building
San Francisco, California 94104

STATEMENT

Cortez Joint Venture	Job # P-77-A	Statement # 12
East Drill Station	15.0 ft. at $42.60/ft.	$ 639.00
Drift Advance; East Heading	64.5 ft. at 43.50/ft.	2805.75
" " South Heading	168.5 ft. at 43.50/ft.	7329.75
" " S.W. Heading	76.5 ft. at 63.50/ft.	4857.75
	76.5 @ 20.00 = 1530	
Bonus, Mar.26 to Apr.26th.	35.0 ft. at 15.00/ft.	525.00
add bonus retained from statement # 9		1777.50
		17934.75
Deduct advance paid on st. # 11		8700.00
	Bal. due	$9234.75

309.5

14993.25
1530.00
13463.25

Make and mail remittance to;

Southern Arizona Bank & Trust Co.
P.O.Box 1871
Tucson, Arizona 85702
(and state on check "RE", Ponderosa Development Co.,Ltd., assignment.)

Please send copy of remittance to;

Ponderosa Development Co.,Ltd.
Box 5
Elko, Nevada 89801

CORTEZ JOINT VENTURE		
Goods Rec'd	5-10-66	
Price OK	RBS	
Code #	Amount	
53196	9234	75

M. L. Tate

M.L.Tate, Gen. Mgr.

OME
64.5
168.5
76.5
309.50 @ 43.50 = 13463.25

15.0 @ 42.50 639.00

CONTRACT MINE DEVELOPMENT AND MINERAL EXPLORATION
SURFACE AND UNDERGROUND • LOCATION AND ASSESSMENT WORK
DIVERSION TUNNELS • DAMS • ROADS • MINING AND LEASING
SURVEYING • MAPPING • CONSULTING • ENGINEERING • GEOLOGY

Date May 31, 1966

In Account With

AMERICAN EXPLORATION & MINING CO.

23rd Floor, Russ Building
San Francisco 4, Cal.

FIXED UNIT COSTS AS DESCRIBED IN OME CONTRACT 2203		
JEEP RENTAL (Attached)		
1,560 miles @ $0.15/mile		$ 234.00
OFFICE EXPENSE		
@ $100.00/month		100.00
ASSAY SAMPLES (Invoices Attached)		
91 samples Au-Ag @ $3.00 each	273.00	
Freight on 91 samples @ $0.10 each	9.10	282.10
		$ 616.10

OME CONTRACT 2203

SCHEDULE OF DAILY JEEP MILEAGE DURING APRIL 1966

		Jeep Mileage	
		Actual	Allowable
April	1	60	60
	2	60	60
	3	--	--
	4	60	60
	5	61	60
	6	62	60
	7	61	60
	8	60	60
	9	62	60
	10	--	--
	11	60	60
	12	61	60
	13	60	60
	14	62	60
	15	60	60
	16	61	60
	17	--	--
	18	62	60
	19	60	60
	20	61	60
	21	60	60
	22	61	60
	23	62	60
	24	--	--
	25	63	60
	26	60	60
	27	61	60
	28	60	60
	29	60	60
	30	62	60
		1582	1560

UNION ASSAY OFFICE, INC.

MAY - 5 1966
RECEIVED

P. O. BOX 1528
SALT LAKE CITY 10, UTAH

CHARGE TO: American Exploration & Mining Co.
2300 Russ Building
San Francisco, Calif.

DATE: Apr. 29, 1966

DATE		NAME	LOT NUMBER		
Apr. ✓	1	11250 to 11265		48.00	
✓	5	11266 to 11284		57.00	
✓	14	10941 to 10946, 11285	to 11304	78.00	
✓	21	11305 to 11316		36.00	
✓	28	11317 to 11329, 11603	to 11605	48.00	
					$267.00

Project V-5310

O.K. J. Burdwell

To insure proper credit please return one copy with payment

Telephone 363-3302

Sample Serial 28328 to 28333

MAY 4 1966
RECEIVED

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine: American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

May 3, 1966

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
V-53											
11330	0.015	0.5									
11331	0.015	0.4									
11332	0.010	0.2									
11333	0.010	None									
11334	0.010	0.1									
11606	0.010	0.1	0.5								

Remarks

Charges $ 20.00

Glen P. Williams

CORTEZ JOINT VENTURE-OME CONTRACT 14-23-090-2203
Shareable Personal Services (as abstracted from the payroll records of AMERICAN EXPLORATION & MINING CO.)
For The Month of April 1966

	SUPERVISION & TECHNICAL
Name	Robert Garwood
Allowable Pay Rate Per OME Contract 2203	$800.00/mo.
Shareable Under OME Contract	540.72
Total Gross Wages	950.00
Federal W/H	100.40
FICA	39.90
Employee Benefit Plan	20.42
Net Wages	789.28

AMERICAN EXPLORATION & MINING CO.

CABLE ADDRESS: "DRAGA"
TELEPHONE EXBROOK 2-4992

23RD FLOOR RUSS BUILDING
SAN FRANCISCO, CALIF. 94104

May 22, 1966

CORTEZ JOINT VENTURE, NEVADA
O.M.E. PROGRESS REPORT
APRIL, 1966

Exploration drifting and crosscutting under the O.M.E. contract for the Cortez Mine was completed April 28, 1966. Short hole diamond drilling from the Arctic level remained in its deferred status. A summary of work items completed to-date is as follows:

Item	April Footage	Footage to Date
East Drift	64.5'	1612.5
South X-cut	168.5'	352.0
Northwest Drift	76.5'	76.5
North X-cut	0	158.6
West Drift	0	297.8
Drill Stations	15.0'	112.5
Total Drift and Crosscut	309.5'	2497.4
Total Drill Station	15.0'	112.5
Total Underground Drilling	0	1533.0

The East drift continued to follow the No. 1 dike-fissure zone through the Eureka quartzite formation. Except for a thin northeast-striking stringer showing thin blebs of galena at the end of the drift in the north side of the drill station, no significant mineralization was exposed.

The South crosscut was completed in the shale-dolomite contact. The contact shows about 1 foot thickness of sanded dolomite with a little pyritization.

The Northwest drift driven from the South crosscut followed a vein for 30 feet; the last 40 feet of work was off the vein but in the dike structure. The brecciated quartz vein is over 3 feet wide 20 feet west of the South crosscut. Silver values in the vein are in the range of 50 to 10 ozs. per ton.

Horizontal drilling was deferred to avoid interference with the drifting contractor. Drillers were occupied in drilling a deep exploration hole on Cortez Joint Venture's own account. The short hole drilling program will be resumed in May.

Respectfully submitted,

R. G. Garwood pp J. Birdwell

R. G. Garwood

APR 29 1966

elephone 363-3302

nd
Sample Serial 27912-927

ASSAY REPORT
UNION ASSAY OFFICE, Inc.
RECEIVED

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

April 28, 1966

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
V-53											
11317	0.010	None									
11318	0.005	None									
11319	0.005	None									
11320	0.005	None									
11321	0.010	None									
11322	0.020	5.2									
11323	0.015	1.9									
11324	0.020	3.3									
11325	0.015	1.2									
11326	0.010	0.6									
11327	0.010	0.6									
11328	0.020	0.9									
11329	0.020	0.8									
11603	0.015	0.7									
11604	0.005	0.1									
11605	Trace	None									

Remarks

Charges $ 48.00

W. P. Wanlass

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RECEIVED

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

RESULTS PER TON OF 2000 POUNDS

May 3, 1966

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
V-53											
11330	0.015	0.5									
11331	0.015	0.4									
11332	0.010	0.2									
11333	0.010	None									
11334	0.010	0.1									
11606	0.010	0.1	0.5								

Remarks

Sample Serial 22030-22031

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
J. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City, Utah 84110

RECEIVED

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

April 1, 1966

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
V-53											
11250	0.005	None									
11251	0.005	0.1									
11252	0.010	0.1									
11253	0.005	0.1									
11254	0.005	None									
11255	0.010	0.2									
11256	0.005	None									
11257	0.010	None									
11258	0.010	None									
11259	0.005	0.1									
11260	0.010	None									
11261	0.010	None									
11262	0.005	None									
11263	0.005	0.1									
11264	0.005	None									
11265	0.005	None									

Remarks.....

Charges $ 48.00

Glen P. Williams

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
V-53											
11305	0.010	0.1									
11306	0.015	0.1									
11307	0.005	0.1									
11308	0.015	0.1									
11309	0.010	0.1									
11310	0.010	0.2									
11311	0.010	None									
11312	0.010	0.2									
11313	0.010	0.1									
11314	0.010	None									
11315	0.010	None									
11316	0.010	None									

Remarks.....

26.00

Telephone 363-3302

Sample Serial 26471-26496

ASSAY REPORT

APR 15 1966

UNION ASSAY OFFICE, Inc.

RECEIVED

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 91404

RESULTS PER TON OF 2000 POUNDS

April 14, 1966

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
V-53											
10941	0.005	0.2									
10942	0.010	0.5									
10943	0.040	9.7									
10944	0.015	1.5									
10945	0.015	0.2									
10946	0.010	0.1									
11285	0.010	None									
11286	0.015	None									
11287	0.015	1.8									
11288	0.025	6.5									
11289	0.020	0.1									
11290	0.015	1.2									
11291	0.010	None									
11292	0.010	0.3									
11293	0.010	0.2									
11294	0.015	1.1									
11295	0.010	0.1									
11296	0.010	0.3									
11297	0.010	0.3									
11298	0.010	0.1									
11299	0.010	0.1									
11300	0.010	0.2									
11301	0.010	0.4									
11302	0.025	0.1									
11303	0.045	0.1									
11304	0.010	0.2									

Remarks

Charges $ 78.00

W. C. Wanlass

Telephone 363-3302

Hand Sample Serial 25506-25524

APR - 6 1966

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

April 4, 1966

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Oro	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
V-53											
11266	0.005	0.1									
11267	0.005	None									
11268	0.005	None									
11269	0.005	None									
11270	0.005	0.1									
11271	0.005	None									
11272	0.010	0.2									
11273	0.005	0.1									
11274	0.010	0.1									
11275	0.005	None									
11276	0.005	None									
11277	0.005	0.2									
11278	0.010	0.1									
11279	0.015	0.2									
11280	0.005	0.2									
11281	0.010	0.2									
11282	0.010	0.2									
11283	0.045	7.7									
11284	0.005	0.1									

Remarks

57.00

Glen G. Williams

INSTRUCTIONS FOR USE

1. Identify Agency of Addressee
2. Void Previously Used Block
3. Write Clearly
4. Send Surplus Envelopes to Supply Room for Reissue

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			STOP
			STOP
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	STOP		STOP

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Standard Form 65 (Nov. 1961)
GSA Gen. Reg. No. 27

7173

65-105

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~~Mr Cramer~~ ~~Room 7714~~	STOP	Mr. Harold Kikuno Room 4457	STOP
~~Mr Brown~~	STOP		STOP
~~Mr McKean~~	STOP		STOP
~~Mr Solem~~ ~~Rm~~	STOP		STOP
~~Joe Bean~~ ~~Rm. 6911~~ ~~MOW folder~~	STOP		STOP
Mr. Pottenger Room 650-DMWA	STOP		STOP
VA Shittle	STOP		STOP
~~[illegible]~~	STOP		STOP
~~Mr Jack Hebert~~ ~~Dept of Interior~~ ~~Rm. 3158~~	STOP		STOP
Office of Property Management Room 4358	STOP		STOP

Use other side

Use STOP only when messenger service between Government buildings in Washington, D. C., is required or wherever a STOP system is used.
Your mail room has STOP information.

MMS FORM 60
SEPT. 1959

OFFICIAL COPY
MAY 12 1966

CODE
210
120
110
122

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME 6436
Contract No. 14-23-090-2203
Contract Amount $ 174,860.00
Gov't. Participation % 75 $ 131,145.00
Mineral(s) Silver

OPERATOR'S MONTHLY VOUCHER

For Month of MARCH, 1966

Operator's Name CORTEZ JOINT VENTURE
Address 2300 Russ Building, San Francisco, Calif. 94104

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	-0-	176.00	176.00			
Drifting & Crosscutting	16,664.85	78,517.50	95,182.35			
Crosscutting Drill Sta	-0-	4,153.50	4,153.50			
Drilling Core	-0-	8,774.53	8,774.53			
Mobilization	-0-	2,767.50	2,767.50			
Fixed Unit Costs	600.30	4,618.73	5,219.03			
(2) Personal Services:						
Supervision & Technical	471.68	3,445.33	3,917.01			
Outside Consultants						
Labor	45.72	2,339.28	2,385.00			
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Cardboard Core Boxes	-0-	149.00	149.00			
(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 18%	93.13	1,041.24	1,134.37			
Employee's Liability Ins.						
TOTALS	17875.68	105,982.61	123,858.29			

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

Date Apr 27, 1966 *Payee CORTEZ JOINT VENTURE

Per [signature] Title Vice President Managing Coventurer

* 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:

$ 13406.96

Signature RB 14X0804
(Authorized Certifying Officer)

Date MAY 12 1966 Vou. No. 8549

(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. 2203

Signature H.R. Stager Title FIELD OFFICER Date MAY 3, 1966

Approved by OME Executive Officer or Alternate: OME, REGION II

Signature H.R. Stager Title FIELD OFFICER Date MAY 3, 1966

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.

RECEIVED BUDGET & FINANCE 1966 MAY 9 PM 3 07

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of MARCH, 1966 Docket No. OME 6436

Operator's Name CORTEZ JOINT VENTURE Contract No. 14-23-090-2203

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	2040	141.5	1,845.8	92,601.16	141.5	1,845.8	$ 92,601.16
Crosscutting	600	241.6	439.6	20,117.38	241.6	439.6	20,117.38
Raising			2,255.4				
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond	3400	-0-	1,494.	10,963.75	0	1,494.	10,963.75
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails	180hrs	-0-	11 hrs	176.00	0	11	176.00
Stripping							
Trenching							
Test Pitting							
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)*				123,858.29			$ 123,858.29

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 Apr 27, 1966 Operator CORTEZ JOINT VENTURE

Per [signature] Title Vice President Managing Coventurer

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 [signature]

Title Field Officer OME Region II
Government Representative

Date May 3, 1966

(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.

INT.DUP.,D.C.59- 27162

APR - 8 1966
RECEIVED

Ponderosa Development Company, Ltd.

NEVADA DIVISION

CRESCENT VALLEY STATION Via BEOWAWE, NEVADA

April 2, 1966

STATEMENT

Cortez Joint Venture		Job # P-77-A	Statement # 10
Drift Advance;	North Heading	110.1 ft.	
" "	South Heading	131.5 ft.	
" "	East Heading	141.5 ft.	
	Total	383.1 ft. at $43.50/ft.	$16,664.85

Please make and mail remittance to:

Southern Arizona Bank and Trust Co.
P.O.Box 1871
Tucson, Arizona 85702

(and state on check,"RE; Ponderosa Development Co.,Ltd.,assignment.")

Send copy of remittance to:

Ponderosa Development Co.,Ltd.
Box 5
Elko, Nevada 89801

CORTEZ JOINT VENTURE	
Goods Rec'd	4-6-66
Price OK	RSS
Code #	Amount
53199	16,664.85

All OME Charge.

Thank you,

M.L.Tate, General Manager

CONTRACT MINE DEVELOPMENT AND MINERAL EXPLORATION
SURFACE AND UNDERGROUND • LOCATION AND ASSESSMENT WORK
DIVERSION TUNNELS • DAMS • ROADS • MINING AND LEASING
SURVEYING • MAPPING • CONSULTING • ENGINEERING • GEOLOGY

Date April 22, 1966

In Account With

AMERICAN EXPLORATION & MINING CO.

23rd Floor, Russ Building
San Francisco 4, Cal.

FIXED UNIT COSTS AS DESCRIBED IN OME CONTRACT 2203		
JEEP RENTAL (Attached)		
1,620 miles @ $0.15/mile		$ 243.00
OFFICE EXPENSES		
@ $100.00/month		100.00
ASSAY SAMPLES (Invoices Attached)		
83 samples Au-Ag @ $3.00 each	249.00	
Freight on 83 Samples @ $.10 each	8.30	257.30
		$ 600.30

OME CONTRACT 2203

SCHEDULE OF DAILY JEEP MILEAGE DURING MARCH

	JEEP MILEAGE	
	Actual	Allowable
March 1	84	60
2	105	60
3	108	60
4	106	60
5	104	60
6	---	--
7	106	60
8	109	60
9	104	60
10	110	60
11	98	60
12	101	60
13	---	--
14	102	60
15	107	60
16	103	60
17	101	60
18	105	60
19	107	60
20	---	--
21	110	60
22	107	60
23	102	60
24	102	60
25	105	60
26	108	60
27	---	--
28	108	60
29	107	60
30	107	60
31	110	60
	2,826 miles	1,620 miles

APR 7 1966
RECEIVED

UNION ASSAY OFFICE, INC.

P. O. BOX 1528
SALT LAKE CITY 10, UTAH

CHARGE TO American Exploration & Mining Co.
2300 Russ Bldg.
San Francisco, California

DATE March 31, 1966

DATE		NAME	LOT NUMBER				
		Project V-53					
Mar. ✓	4	10938, 11580 to 11592		42.00			
✓	4	11186 to 11205		60.00			
✓	10	11206 to 11216, 11593 to 11595		42.00			
✓	15	11217, 11218, 11220 to 11227		30.00			
✓	24	11219, 11228 to 11249, 11599, 11201		75.00			
		O.K. J. Burdett 5310-G				$249.00	

To insure proper credit please return one copy with payment

CORTEZ JOINT VENTURE - OME CONTRACT 14-23-090-2203
Shareable Personal Services (as abstracted from the payroll records of
AMERICAN EXPLORATION & MINING CO.
For The Month of March 1966

	SUPERVISION AND TECHNICAL	LABOR
Name	Robert Garwood	B.D. Caldwell
Allowable pay rate per OME Contract 2203	$800.00/mo	21.66/day
Shareable Under OME Contract	471.68	45.72
Total Gross Wages	950.00	768.00
Federal W/H	100.40	75.20
FICA	39.90	32.25
Employee Benefit Plan	20.42	
Net Wages	789.28	660.55

AMERICAN EXPLORATION & MINING CO.

CABLE ADDRESS: "DRAGA"
TELEPHONE EXBROOK 2-4992

23RD FLOOR RUSS BUILDING
SAN FRANCISCO, CALIF. 94104

April 29, 1966

CORTEZ JOINT VENTURE, NEVADA
O.M.E. PROGRESS REPORT
MARCH, 1966

Exploration work under the O.M.E. contract during the month continued with drifting and crosscutting on the Arctic Level of the Cortez Mine. Short hole diamond drilling from the level was temporarily suspended but will be continued next month. A summary of work items completed to date is as follows: (Refer to Progress Map)

Item	March Footage	Footage to Date
East Drift	141.5	1548.0'
North X-cut	110.1'	158.6'
South X-cut	131.5'	183.5'
All other headings	0	417.3
Total heading advance	383.1	2307.4'
Total underground drilling	0	1533.0'

The East Drift continued to follow the No. 1 dike-fissure zone through the Eureka quartzite formation. The dike, which varies from three to four feet in width, is barren except for minor calcite stringers and pyrite associated with fracturing along its contacts.

The North Crosscut and the South Crosscut were driven in a sandy shale horizon at the base of the Eureka quartzite. No important structures or mineralization were encountered in the North Crosscut so this heading was terminated after a total advance of 158.6 feet. At a point 163 feet south of the No. 1 dike-fissure zone the South Crosscut intersected a parallel fissure zone, containing dike material and mineralized quartz, which is believed to be the easterly extension of a mineralized structure previously encountered

in horizontal drill holes. A 10-foot sample cut across this new mineralized zone assays 0.04 oz/T Au and 9.7 Oz/T Ag.

Plans are being formulated towards exploring the mineralized zone by drifting and drilling. A proposal for some modification of drill hole locations and drifting direction to affect the exploration of this new discovery is being submitted to the O.M.E. for its consideration.

Respectfully submitted

R. G. Garwood
pp J. Berdwell

R. G. Garwood

J. B. Bush

RGG: JB: jb

Telephone 363-3302

Sample Serial 22434-22447

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California

RESULTS PER TON OF 2000 POUNDS

March 4, 1966

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
V-53											
10938	0.020	None									
11580	0.010	None									
11581	0.010	0.8									
11582	0.015	8.9									
11583	0.055	9.8									
11584	Trace	None									
11585	Trace	None									
11586	0.110	0.55									
11587	0.005	0.7									
11588	0.010	2.2									
11589	0.005	0.3									
11590	0.305	0.9									
11591	0.020	5.0									
11592	Trace	0.2									

Remarks Samples 11588 to 11592 were included in this shipment, though not included on letter.

Charges $42.00

W. C. Wanlass

Telephone 363-3302

Hand Sample Serial 22448-22467

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

March 4, 1966

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
V-53											
11186	0.010	None									
11187	0.005	None									
11188	0.010	0.1									
11189	0.005	None									
11190	0.005	None									
11191	0.005	None									
11192	0.010	None									
11193	0.005	0.1									
11194	0.005	None									
11195	0.005	None									
11196	Trace	None									
11197	0.015	None									
11198	Trace	None									
11199	Trace	None									
11200	0.015	None									
11201	0.145	0.1									
11202	0.005	None									
11203	0.010	0.1									
11204	0.010	None									
11205	0.010	None									

Remarks.....

Charges $.....60.00

W. C. Wanlass

Telephone 363-3302

Hand
Sample Serial 23062-23075

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California

RESULTS PER TON OF 2000 POUNDS

March 10, 1966

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
V-53											
11206	0.005	None									
11207	0.010	0.1									
11208	0.005	0.1									
11209	0.005	None									
11210	0.010	0.1									
11211	Trace	None									
11212	0.010	None									
11213	0.010	0.1									
11214	0.005	None									
11215	Trace	None									
11216	0.005	None									
11593	0.010	0.1									
11594	0.005	0.2									
11595	0.005	None									

Remarks

Charges $ 42.00

W. C. Wanlass

Telephone 363-3302

Hand Sample Serial 23515-23524

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California

RESULTS PER TON OF 2000 POUNDS

March 15, 1966

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
V-53											
11217	0.005	0.2									
11218	0.005	None									
11220	0.005	0.1									
11221	0.005	0.1									
11222	0.005	None									
11223	0.005	0.1									
11224	0.005	None									
11225	0.005	0.1									
11226	0.005	0.1									
11227	0.005	0.1									
10											

Remarks Sample #11219 was included on letter, was not included in shipment.

Charges $ 30.00

Glen P. Williams

Telephone 363-3302

Sample Serial 24432=24456

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California

RESULTS PER TON OF 2000 POUNDS

March 24, 1966

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
V-53											
11219	0.005	0.1									
11228	0.005	None									
11229	0.010	1.3									
11230	0.010	1.3									
11231	0.005	0.1									
11232	0.005	None									
11233	0.005	None									
11234	0.005	None									
11235	0.005	0.1									
11236	0.005	None									
11237	0.010	None									
11238	0.005	None									
11239	01005	None									
11240	0.010	None									
11241	0.005	None									
11242	0.005	None									
11243	0.005	None									
11244	0.005	None									
11245	0.005	0.1									
11246	0.005	None									
11247	0.005	None									
11248	0.005	None									
11249	0.005	0.1									
11599	0.005	None									
11201	0.005	None									
25											

Remarks

Charges $ 75.00

Glen P. Williams

MME FORM 60
SEPT. 1959

ORIGINAL COPY RECEIVED APR 11 1966

INITIALS CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME 6436
Contract No. 14-23-090-2203
Contract Amount $174,860.00
Gov't. Participation % 75 $ 131,145.00
Mineral(s) Silver

OPERATOR'S MONTHLY VOUCHER

For Month of FEBRUARY 1966

Operator's Name CORTEZ JOINT VENTURE
Address 2300 Russ Building, San Francisco, Calif. 94104

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	176.00	-0-	176.00			
Drifting Crosscutting	17,378.25	61,139.25	78,517.50			
Crosscutting Drill Sta.	-0-	4,153.50	4,153.50			
Drilling Core	4,181.40	4,593.13	8,774.53			
Mobilization	-0-	2,767.50	2,767.50			
Fixed Unit Costs	957.90	3,660.83	4,618.73			
(2) Personal Services:						
Supervision & Technical	751.40	2,693.93	3,445.33			
Outside Consultants						
Labor	454.86	1,884.42	2,339.28			
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Cardboard core boxes	73.00	76.00	149.00			
(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 18%	217.13	824.11	1,041.24			
Employee's Liability Ins.						
TOTALS	24189.94	81792.67	105,982.61			

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

Date MAR 28 1966 *Payee CORTEZ JOINT VENTURE

Per [signature] Title Vice President Managing Coventurer

* 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:

$ 18,142.45

Signature [signature] (Authorized Certifying Officer)

Date APR 7 1966 Vou. No. 14X0804 7636

(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. 2203

Signature [illegible] Title FIELD OFFICER Date MARCH 29, 1966

Approved by OME Executive Officer or Alternate: OME, REGION II

Signature [illegible] Title FIELD OFFICER Date MARCH 29, 1966

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of February, 1966 Docket No. OME 6436

Operator's Name Cortez Joint Venture Contract No. 14-23-090-2203

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	2040	299	1704.3	86,017.61	299	1,704.3	86,017.61
Crosscutting	600	100.5	198	8,825.25	100.5	198	8,825.25
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond	3400	734	1494	10,963.75	734	1,494	10,963.75
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails	180hrs	11 hrs	11hrs	176.00	11	11	176.00
Stripping							
Trenching							
Test Pitting							
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)*				105,982.61			$ 105,982.61

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 March 28, 1966 Operator CORTEZ JOINT VENTURE

Per [signature] Title Vice President Managing Coventurer

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 [signature]

Title Field Officer, OME Region II
Government Representative

Date March 29, 1966

(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.

Dumele Brothers

Date March 1 19 66

To AMERICAN EXPLORATION

Address c/o Jack Oberbillig

City Crescent Valley, Nevada

Rent on D-8 Cat

Feb.	24	5 Hrs. @ $18.00 per hour		$ 90.00
	25	6 " " " " "		108.00
		Transportation		$ 50.00
		OME 6176.00		
		TOTAL		$248.00

CORTEZ JOINT VENTURE

Goods Rec'd	3-3-66
Price OK	RSS
Code #	Amount
53149	248 00

16
11
16
16
176 ✓

Rediform 8K 802

STATEMENT

Ponderosa Development Company, Ltd.

NEVADA DIVISION

CRESCENT VALLEY STATION Via BEOWAWE, NEVADA

March 2, 1966

Cortez Joint Venture — Job # P-77-A — Statement # 9

Drift advance; East	299.0 ft.		
" " North	48.5 ft.		
" " South	52.0 ft.		
Total	399.5 ft. at $43.50/ft.		$ 17,378.25
Raise; North	22.0 ft. at $32.90/ft.		723.80
Slab at raise, north	115.0 cu.ft. at $1.00/cu.ft.		115.00
			18,217.05
Bonus, per agreement dated 1-28-66;			
Drift advance Dec. 26,65 to Jan.26,66		390.0 ft.	
Drill station " "		45.5 ft.	
~~[illegible]~~ Total		435.5 ft	
less monthly minimum of		350.0	
		85.5 ft. at $15.00/ft.	1,282.50
Total advance Jan 26 to Feb. 26;			
Drift; East	383.0		
" North	48.5		
" South	52.0		
Raise; North	18.0		
	501.5		
less monthly minimum of	350.0		
	151.5 ft. at $15.00/ft.		2,272.50
			21,772.05
less 50% of bonus retained for job completion			1,777.50
Amount due =			$19,994.55

signed, [signature]

M.L.Tate, Gen. Mgr.

CORTEZ JOINT VENTURE		
Goods Rec'd	3-3-66	
Price OK	RLC	
Code #	Amount	
5319 G	19,270	75
5320 G	723	80

3/10

CONTRACT MINE DEVELOPMENT AND MINERAL EXPLORATION
SURFACE AND UNDERGROUND • LOCATION AND ASSESSMENT WORK
DIVERSION TUNNELS • DAMS • ROADS • MINING AND LEASING
SURVEYING • MAPPING • CONSULTING • ENGINEERING • GEOLOGY

March 2, 1966

In regard to material for;

Coretz Joint Venture	Job # P-77-A	Statement # 9
Purchased from Elko Farm Supply 1,000 ft. plastic pipe and fittings invoice # 33239 and # 33556 Paid 2-9-66, check number N 1258		$ 119.82
Purchased from Wycoff Co., S.L.C., explosives per statement attached Paid 2-11-66, check number N 1288		2298.22
Purcahhed from Humboldt Oil Co., fuel per st. dtd. 2-2-66 Paid 2-15-66, check number N 1289		1159.56

INVOICE

MAR 10 1966 RECEIVED

MAR 18 1966 RECEIVED

E. J. LONGYEAR COMPANY

Diamond Core Drilling

Foundation Testing and Grouting Contractors

76 SOUTH 8TH STREET
MINNEAPOLIS, MINNESOTA 55402

FEBRUARY 28, 1966

MR. J.B. BUSH
AMERICAN EXPLORATION AND MINING COMPANY
2300 RUSS BUILDING
SAN FRANCISCO, CALIFORNIA 94104

TERMS: PAYMENT DUE ON OR BEFORE

INVOICE NO. 26629

FORM 408

EXPLORATORY DRILLING CARRIED OUT DURING THE MONTH OF FEBRUARY, 1966 IN THE VICINITY OF CORTEZ, NEVADA AS PER THE TERMS OF OUR AGREEMENT DATED MARCH 9, 1965, AND ADDENDUM NO. 1 DATED OCTOBER 25, 1965.

HOLE NO.		FROM	TO	FOOTAGE	RATE	AMOUNT
CU-3	AX DIAMOND DRILLING	360.0	400.0	40.0	5.25	210.00
CU-3	AX DIAMOND DRILLING	400.0	448.0	48.0	5.50	264.00
CU-6	BX DIAMOND DRILLING	0.0	5.0	5.0	5.25	26.25
CU-6	AX DIAMOND DRILLING	5.0	200.0	195.0	5.00	975.00
CU-6	AX DIAMOND DRILLING	200.0	246.0	46.0	5.25	241.50
CU-5	BX DIAMOND DRILLING	0.0	4.0	4.0	5.25	21.00
CU-5	AX DIAMOND DRILLING	4.0	200.0	196.0	5.00	980.00
CU-5	AX DIAMOND DRILLING	200.0	209.0	9.0 ✓	5.25	47.25 out
CU-7	BX DIAMOND DRILLING	0.0	5.0	5.0	5.25	26.25
CU-7	AX DIAMOND DRILLING	5.0	200.0	195.0	5.00	975.00
CU-7	AX DIAMOND DRILLING	200.0	230.0	30.0	5.25	157.50 out
				773.0		3,923.75 ✓

RENTAL OF COMPRESSOR — 735.00

3923.75
204.75
3720.00

MOVING TIME

FEBRUARY 8	4 HOURS		
FEBRUARY 15	10 HOURS		
FEBRUARY 21	14 HOURS		
	28 HOURS	@ 5.80	162.40 ✓

TOOLS LEFT IN DRILL HOLE

185 FEET OF AX CASING	@	1.70	314.50	
AX CASING SHOE NO. X1545 - 11 CARATS	@	8.25	90.75	405.25 ✓

NEVADA SALES TAX - 2% OF $405.25 — 8.11

$5,234.51

CORTEZ JOINT VENTURE		
Goods Rec'd	3-16-66	
Price OK	RBG	
Code #	Amount	
5312 G	5,234	51

RBG for OK.

Date March 21, 1966

In Account With

AMERICAN EXPLORATION & MINING CO.

23rd Floor, Russ Building
San Francisco 4, Cal.

FIXED UNIT COSTS AS DESCRIBED IN OME CONTRACT 2203			
JEEP RENTAL (Schedule Attached)			
1440/60 = 24	1,440 miles @ $0.15/mile		216.00
OFFICE EXPENSE			
	@ $100.00/month		100.00
ASSAY SAMPLES (Invoice Attached)			
	65 samples Au-Ag @ $3.00 each	$195.00	
	Freight on 65 samples @ $.10 each	6.50	201.50
COMPRESSED AIR FOR CORE DRILLING			
	734 ft. @ $0.60/ft.		440.40
			$ 957.90

OME CONTRACT 2203

SCHEDULE OF DAILY JEEP MILEAGE DURING FEBRUARY

		JEEP MILEAGE	
		Actual	Allowable
February	1	60	60
	2	60	60
	3	78	60
	4	211	60
	5	217	60
	6	---	--
	7	108	60
	8	90	60
	9	101	60
	10	101	60
	11	83	60
	12	84	60
	13	56	--
	14	108	60
	15	123	60
	16	133	60
	17	122	60
	18	131	60
	19	114	60
	20	---	--
	21	88	60
	22	65	60
	23	156	60
	24	168	60
	25	79	60
	26	155	60
	27	---	--
	28	67	60
		2758 miles	1440 miles

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UNION ASSAY OFFICE, INC.

P. O. BOX 1528
SALT LAKE CITY 10, UTAH

CHARGE TO American Exploration & Mining Co.
2300 Russ Building
San Francisco, California

DATE Feb. 28, 1966

DATE		NAME	LOT NUMBER		
		Project V-53			
Feb.	3	11130 to 11141		36.00	
	16	11142 to 11154		39.00	
	18	11155 to 11169, 10932 to	10934	54.00	
	28	11170 to 11185, 10935 to 11577 to 11579	10937,	66.00	
					$195.00

To insure proper credit please return one copy with payment

CORTEZ JOINT VENTURE - OME CONTRACT 14-23-090-2203
Shareable Personal Services (as abstracted from the payroll records of
AMERICAN EXPLORATION & MINING CO.
For The Month of February, 1966

Name	SUPERVISION AND TECHNICAL Robert Garwood	LABOR B.D. Caldwell
Allowable pay rate per OME Contract 2203	$800.00/mo	21.66/day
Shareable Under OME Contract	751.40	454.86
Total Gross Wages	950.00	564.00
Federal W/H	100.40	46.50
FICA	39.90	25.68
Employee Benefit Plan	20.42	
Net Wages	789.28	491.82

AMERICAN EXPLORATION & MINING CO.

CABLE ADDRESS: "DRAGA"
TELEPHONE EXBROOK 2-4992

23RD FLOOR RUSS BUILDING
SAN FRANCISCO, CALIF. 94104

March 16, 1966

CORTEZ JOINT VENTURE, NEVADA
OME PROGRESS REPORT
February, 1966

Docket No. OME 6436 Contract No. 14-23-090-2203

Drift advance in February was again good so that during the month, the quartzite contact was intersected and crosscuts to the north and south were started. Drilling to the south of the No. 1 dike fissure disclosed mineralization at least 10 feet wide which is thought to be the Hardrock vein and parallel to the No. 1 dike fissure. During the month, the east heading was advanced 299 feet to 1407 feet from its start; the north crosscut was started and advanced 48.5 feet; the south crosscut was started and advanced 52 feet; 773 feet of horizontal diamond drilling was completed. Following is a more detailed report on the progress made during the month.

Drifting east along the No. 1 dike fissure was continued with 299 feet of drift completed for the month. The eureka quartzite was encountered with the last 50 feet of work being in the quartzite. About 30 feet of black shale was found between the quartzite and Hamburg dolomite. This work disclosed the No. 1 dike fissure to be a tight structure with very little alteration or secondary fracturing and very little mineralization.

Crosscutting to the north and south of the No. 1 dike fissure to follow the quartzite contact has been started but no mineralization has yet been found by this work. Ground conditions are good and no timber was needed in the drifts or crosscuts.

The No. 1 dike was unoxidized until about 50 feet from the quartzite contact. At this point, the dike became oxidized and is oxidized into the quartzite. Blocks of quartzite are commonly included in the dike. This dike replaced some dolomite beds near the quartzite contact, but the change from dolomite to shale to quartzite was made without a noticeable change in strike of the dike. Quartz and calcite mineralization was observed immediately under the quartzite, but assays show that gold and silver mineralization did not reach this bed.

E. J. Longyear Co. completed drilling hole CU-3 from 360 to 448 feet; hole CU-5 from 0 to 209 feet; hole CU-6 from 0 to 246 feet; and hole CU-7 from 0 to 230 feet. No mineralization or important structure was encountered with the completion of hole 3 or drilling of hole 6. Quartz and silver mineralization was located by holes 5 and 7. At 93 to 108 feet in hole 5, what is felt to be the Hardrock vein was found. An assay from 98 to 108 feet reported .03 oz Au and 9.3 oz Ag. In addition, from 145 to 170 feet, pyritized dolomite was encountered, and of this, from 160 to 170

feet, an assay reported 0.11 oz Au and 0.5 oz Ag. At 76 to 113 feet in hole 7, what is also believed to be the Hardrock vein was found. Assays from this vein show from 82-84.5 feet — 2.5' of .010 oz Au, 2.2 oz Ag; from 94.5 to 98 — 3.5' of .305 oz Au and 0.9 oz Ag; and from 98 to 105' — 7' of 0.020 oz Au and 5.0 oz Ag. Gray silicified dolomite which contains minor pyrite was found from 203.5 to 230 feet. Nine feet from hole CU-5 and 30 feet of hole CU-7 for a total of 39 feet is not included in the CME billing as these holes were drilled longer than programed.

With completion of the above holes, horizontal diamond drilling has been deferred and the larger diamond drill is being mobilized to start drilling the first underground deep drill hole.

Respectfully submitted,

R. G. Garwood

R. G. Garwood
Project Supervisor

RGG:hg

R S - 1966
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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU5

Started 2-16-66	Bearing S 16W	Lat. 21.433	Collar El. 6683'	Logged by J. J. OBERBILLIG Date 2-18-66
Completed 2-21-66	Angle from Horiz. +2°	Dep. 40.093	Bottom El.	Remarks
Driller E. J. LONGYEAR Co.	Length 209'	Location CUMMINS M.S. 42	Level ARCTIC	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz. Au	ASSAY oz. Ag
0	4	4	2	50		BX COLLAR - 0-4' DK. BLUE DOLOMITE WITH CALCITE FILLED FRACTURES AX - 10WL 4-209					
4	10	6	4	67		SAME					
10	20	10	7.5	75		SAME - 1" BLUE DOLOMITE BRECCIA CEMENTED WITH CALCITE. 14' @ 90°					
20	30	10	5.0	50		SAME					
30	40	10	5.4	54		SAME - BADLY BROKEN					
40	42.7	2.7	2.7	100		RED-ORANGE-PINK MED. TO FINE GR. DIKE MATERIAL. 1" QTZ. VEIN 41.8 @ 75°	11580	40.0 - 42.7	2.7	.01	NONE
42.7	50	7.3	7.2	99		LT. GRAY DOLOMITE, SLIGHTLY SILICIFIED. CALCITE FILLED FRACTURES					

FREE PRESS PRINT, ELKO, NEVADA

Drill Hole Log

COMPANY	PROPERTY	Section No.	HOLE No. CU5

Started	Bearing	Lat.	Collar El.	Logged by J.J OBERBILLIG Date 2-15-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz. Au	ASSAY oz. Ag
50	54.5	4.5	4.3	96		LT. GRAY DOLOMITE. SLIGHTLY SILICIFIED. CALCITE FILLED FRACTURES.					
54.5	60	5.5	5.5	100		DK. GRAY TO BLUE DOLOMITE WITH CALCITE FILLED FRACTURES					
60	70	10	9	90		GRAY SILICIFIED DOLOMITE, GRANULAR, BROKEN					
70	76	6	6	100		SAME					
76	77	1	0.8	80		ORANGE TO DK. RED ALT. (?) MATERIAL, VUGGY, WITH CALCITE, HEMATITE, AND LIMONITE.					
77	80	3	3	100		GRAY DOLOMITE WITH CALCITE AND MINOR AMTS. QTZ. FILLED FRACTURES, LIMONITE STAINING.					
80	82	2	2	100		SAME					
82	85	3	2.6	87		SAME					
85	90	5	5	100		SAME - 3/8" VUG WITH QTZ. XTALS 85.6 FT. @ 90° SLIGHTLY ALTERED FROM 87-88 FT.					
90	93	3	3	100		SAME - ALT. AT 90 FT, FeOx STAINING					
93	100	7	6.5	93		FINE TO MED. GRAIN YELLOW-BROWN STAINED QTZ. AND HIGHLY SILICIFIED DOLOMITE 1" WHITE QTZ. VEIN 94.2 FT. @ 90°	11581	93 - 98	5.0	.010	.8

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Drill Hole Log

COMPANY	PROPERTY	Section No.	HOLE No. CU 5

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date 2-18-86
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz. Au	ASSAY oz. Ag
100	108	8	5.7	71		FINE TO MED. GRAIN YELLOW TO BROWN STAINED QTZ. AND HIGHLY SILK. DOLOMITE	11582	98 - 104	6.0	.015	8.9
							11583	104-108	4.0	.055	9.8
108	110	2	2	100		LT. GRAY SILICIFIED DOLOMITE, MINOR QTZ. AND CALCITE FILLED FRACTURES.					
110	120	10	7.5	75		SAME					
120	130	10	10	100		SAME					
130	131	1	1	100		SAME, ALT., FeOx STAINING @ 130.5 FT.					
131	140	9	9.5	100		LT. GRAY DOLOMITE, SOME CALCITE MOTTLING.					
140	145	5	5.9	100		SAME	11584	145-150	5.0	TRACE	NONE
145	150	5	4.6	92		LT. TO DK. GRAY DOLOMITE, FIRM, CALCITE INCLUSIONS, ALT. CALCITE, FRACTURING PARALLEL TO CORE; FINE GR. PYRITE CONCENTRATED AROUND INCLUSION, DISSEM. PY. THROUGHOUT CORE.					

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Drill Hole Log

COMPANY | **PROPERTY** | **Section No.** | **HOLE No.** C015

Started	**Bearing**	**Lat.**	**Collar El.**	**Logged by** J.J. OBERGILLIG **Date** 2-23-86
Completed	**Angle from Horiz.**	**Dep.**	**Bottom El.**	**Remarks**
Driller	**Length**	**Location**	**Level**	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz. Au	ASSAY oz. Ag
150	157	7	7.5	100		LT. TO DK. GRAY DOLOMITE, MINOR FeOx STAINING	11585	150-160	10.0	TRACE	NONE
157	158.5	1.5	1.5	100		LT. GRAY TO TAN DOLOMITE, FeOx STAINING @ 30°					
158.5	160.0	1.5	1.5	100		LT. TO DK GRAY DOLOMITE, FINE GR. DISSEM. PYRITE					
160	162	2	2	100		SAME					
162	167	5	5	100		SAME - DK. GRAY DOLOMITE INCLUSION @ 165 FINE GR. PYRITE CONCENTRATED AROUND INCL.	11586	160-170	10.0	.110	0.3
167	170	3	3	100		SAME					
170	172	2	3	100		LT. GRAY TO TAN DOLOMITE, FeOx STAINING, MINOR QTZ. VEINLETS					
172	175	3	1.4	47		SAME, BROKEN AND ALTERED.					
175	180	5	5	100		SAME, FIRM CORE					
180	185	5	5	100		SAME					
185	187	2	2.2	100		GRAY DOLOMITE, 1" ALT. CALCITE INCLUSION, LIMONITE - HEMATITE STAINING.					
187	190	3	3	100		LT. GRAY DOLOMITE, SLIGHTLY SILICIFIED.					
190	200	10	10	100		SAME					

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU5

Started	Bearing	Lat.	Collar El.	Logged by J. J OBERGHUG Date 2-23-56
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
200	209	9	9.5	100		LT. GRAY DOLOMITE. SLIGHTLY SILICIFIED END OF HOLE 187 FT. CORE RECOVERED OR 89.5% AVERAGE				

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SHEET 5 OF 5 SHEETS

MAR 8 - 1966
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Drill Hole Log

COMPANY AMEX **PROPERTY** CORTEZ MINE **Section No.** **HOLE No.** CU3

Started 2-8-66	**Bearing** N14E	**Lat.** 21 469	**Collar El.** 6683.6	**Logged by** J.J. OBERBILLIG **Date** 2-1[illegible]-66
Completed 2-15-66	**Angle from Horiz.** +2°	**Dep.** 40 102	**Bottom El.**	**Remarks**
Driller E. J. LONGYEAR	**Length** 246	**Location** CUMMINS MS-42	**Level** ARCTIC	INSUFFICIENT MINERALIZATION TO SAMPLE.

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
0	5	5	4.6	92		BX COLLAR - 0 - 5 BLUE DOLOMITE, SLIGHTLY SILICIFIED, CALCITE FILLED FRACTURES. AX-10 WL 5 - 246				
5	10	5	9.5	95		SAME				
10	20	10	9.4	94		SAME				
20	30	10	9.3	93		SAME 3/4" CALCITE VEIN, 29 FT. @ 30°				
30	35	5	4.6	92		SAME				
35	40	5	5	100		GRAY DOLOMITE, SLIGHTLY SILICIFIED.				
40	50	10	9.6	96		SAME, LIGHTER GRAY				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CL'6

Started	Bearing	Lat.	Collar El.	Logged by J J. OBERBILLIG Date 2-13-80
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
50	60	10	10	100		LT. GRAY DOLOMITE. SLIGHTLY SILICIFIED. CALCITE FILLED FRACTURES				
60	70	10	8.6	86		SAME, BROKEN				
70	80	10	9.6	96		SAME, BROKEN				
80	90	10	10	100		SAME				
90	100	10	10	100		SAME				

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Drill Hole Log

COMPANY	PROPERTY	Section No.	HOLE No. CU 6

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date 2-16-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
100	110	10	9.5	95		LT. GRAY SILIC. DOLOMITE, CALCITE FILLED FRACTURES. CALCITE MOTTLING; FeOx STAIN, 109-110.				
110	120	10	9.6	96		DK. GRAY TO BLUE DOLOMITE WITH CALCITE FILLED FRACTURES				
120	130	10	9.3	93		SAME, 1/4" CALCITE VEIN 126 FT. @ 30°				
130	140	10	11.5	100+		SAME				
140	150	10	8.4	84		SAME				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU6

Started	Bearing	Lat.	Collar El.	Logged by J.J. OBERBILLIG Date 2-10-80
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
150	160	10	9.5	95		DK. TO BLUE DOLOMITE WITH CALCITE FILLED FRACTURES.				
160	170	10	9.4	94		SAME				
170	180	10	9.9	99		SAME				
180	181.6	1.6	1.6	100		SAME				
181.6	190	8.4	9.5	100+		DK. BLUE DOLOMITE WITH CALCITE FILLED FRACTURES.				
190	200	10	8.0	80		SAME				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU6

Started	Bearing	Lat.	Collar El.	Logged by J.J. OBERGILLIG Date 2-16-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
200	201	1	1	100		DK BLUE DOLOMITE				
201	206	5	4	80		BRECCIATED DK. BLUE DOLOMITE, CEMENTED WITH CALCITE, MINOR FeOx STAINING				
206	210	4	5.5	100+		DK. BLUE DOLOMITE, WITH CALCITE FILLED FRACTURES.				
210	220	10	8.8	88		SAME				
220	230	10	11	100+		SAME				
230	240	10	9.9	99		SAME				
240	246	6	6	100		SAME - 1/4" CALCITE BANDING 242-246 @ 90° END OF HOLE				
						242.6 FT. RECOVERED OR 98% AVERAGE RECOVERY				

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Drill Hole Log

COMPANY AMEX **PROPERTY** CORTEZ MINE **Section No.** **HOLE No.** CU 7

Started 2-21-66	**Bearing** S 17 W	**Lat.** 21.335	**Collar El.** 6683.0	**Logged by** J.J. OBERBILLIG	**Date** 2-23-66
Completed 2-28-66	**Angle from Horiz.** +2°	**Dep.** 40,481	**Bottom El.**	**Remarks**	
Driller E.J. LONGYEAR Co.	**Length** 230	**Location** CUMMINS M.S. 42 SPECULATION MS 53	**Level** ARCTIC		

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
						BX COLLAR - 0 - 5 FT.				
0	5	5	4.6	92		DK. BLUE DOLOMITE, SILICIFIED, BROKEN				
						AX - WL - 10 - 5 - 230 FT.				
5	10	5	2	40		LT. TO DK. GRAY DOLOMITE, SLIGHTLY SILIC.				
10	20	10	11.5	100		SAME				
20	30	10	8.9	89		SAME				
30	40	10	10	100		SAME				
40	50	10	10	100		SAME				

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Drill Hole Log

COMPANY	PROPERTY	Section No.	HOLE No. CU 7

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date 2-23-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY	
50	57	7	5.5	79		SAME, BADLY BROKEN					
57	60	3	2.5	83		SAME, " "					
60	65	5	4.8	96		" " SAME,					
65	65.2	0.2	0.2	100		RED-ORANGE QUARTZ					
65.2	67.2	2	2	100		RED-ORANGE, MED. TO FINE GR. DIKE MATERIAL, SILICIFIED.					
67.2	70	2.8	2.8	100		LT. GRAY FeO_x STAINED DOLOMITE. BANDING @ 30° CONSIDERABLE CALCITE					
70	74	4	3.4	85		SAME					
74	76.2	2.2	2.2	100		DK. GRAY DOLOMITE					
76.2	80	3.8	3.6	95		WHITE TO GRAY TO DK. BROWN QTZ AND HIGHLY SILICIFIED DOLOMITE.	11587	76 - 82	6.0	.005	0.7
80	90	10	9.4	94		SAME - 84.5 - 85.5 WHITE QTZ., FINE GRAINED DK METALLICS (?) TAN SILIC. MATERIAL WITH MnO_2 DENDRITES	11588	82 - 84.5	2.5	.010	2.2
							11589	84.5 - 94.5	10	.005	0.3
							11590	94.5 - 98	3.5	.305	0.9
							11591	98 - 105	7	.020	5.0
90	97	7	6.5	93		SAME					
97	100	3	3	100		DK. BROWN TO BLACK QTZ, LIMONITE STAINED, ALTERED DOLOMITE AND SERICITE					

FREE PRESS PRINT, ELKO, NEVADA

Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. C117

Started	Bearing	Lat.	Collar El.	Logged by J.J. OBERBILLIG Date 2-23-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz. Au	ASSAY oz. Ag
100	102	2	2	100		DK. QTZ. AND ALT. DOLOMITE AND SERICITE					
102	105	3	1.8	60		DK. GRAY SILICIFIED DOLOMITE WITH FINE GRAINED DISSEM. PYRITE AND SERICITE @ 99					
105	110	5	5	100		LT. GRAY TO BROWN HIGHLY SILICIFIED DOLOMITE AND QTZ.	11592	105 - 113	8	TRACE	0.2
110	113	3	3	100		SAME					
113	120	7	7	100		DK. BLUE SILICIFIED DOLOMITE WITH CALCITE FRACTURE FILLING.					
120	130	10	9.5	95		SAME					
130	140	10	8.1	81		SAME 4" TAN ALT. DOLOMITE, CALCITE @ 140 FT.					
140	150	10	13	100+		SAME					

FREE PRESS PRINT, ELKO, NEVADA

Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 7

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date 3-2-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
150	156	6	6	100		SAME. MINOR BRECCIATED BLUE DOLOMITE CEMENTED WITH CALCITE 156 FT. @ 40°				
156	160	4	4	100		SAME				
160	170	10	9.5	95		SAME				
170	180	10	9.8	98		SAME				
180	190	10	9	90		SAME				
190	196	6	6	100		SAME				
196	198	2	2	100		DK. BLUE DOLOMITE BRECCIA CEMENTED WITH CALCITE. MINOR LIMONITE STAIN. CALCITE FRACTURE FILLING PARALLEL TO CORE				
198	200	2	2	100		GRAY SILIC. DOLO. WHITE DOLO. MOTTLING MINOR LIMONITE STAINING. 2" CALITE VEINS @ 90°				

FREE PRESS PRINT, ELKO, NEVADA

Drill Hole Log

COMPANY	PROPERTY	Section No.	HOLE No. C017

Started	Bearing	Lat.	Collar El.	Logged by J. J OGERBILLIG Date 3-3-86
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY oz Au	ASSAY oz Ag
200	203.5	3.5	3.4	97		GRAY SILICIFIED DOLOMITE; WHITE DOLO. MOTTLING.					
203.5	205	1.5	1.5	100		ORANGE TO TAN, MED TO FINE GRAINED DIKE MATERIAL	11593	200-210	10		
205	209.5	4.5	4.5	100		SAME WITH ALT(?) DOLOMITE					
209.5	210.	0.5	0.5	100		GRAY SILIC. DOLOMITE, ALTERED, LIMONITE ST.					
210	220	10	9.5	95		SAME	11594	210-220	10		
220	230	10	10	100		SAME. END OF HOLE	11595	220-230	10		

FREE PRESS PRINT, ELKO, NEVADA

ASSAY REPORT

Telephone 363-3302

Sample Serial 19647-19658

UNION ASSAY OFFICE, Inc.

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

FEB 4 - 1966
RECEIVED

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

Feb. 3, 1966

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
V-53											
11130	0.005	0.1									
11131	0.005	None									
11132	Trace	None									
11133	Trace	None									
11134	Trace	None									
11135	Trace	None									
11136	Trace	0.1									
11137	Trace	None									
11138	Trace	0.2									
11139	Trace	None									
11140	Trace	None									
11141	0.005	0.1									

Remarks

Charges $ 36.00

W. C. Wanlass

Telephone 363-3302

Sample Serial 20820-20832

ASSAY REPORT

UNION ASSAY OFFICE, Inc. 1966

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

RECEIVED

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

Feb. 16, 1966

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
V-53 11142	0.005	None									
11143	0.005	0.1									
11144	0.005	0.1									
11145	0.005	None									
11146	0.005	0.1									
11147	0.005	0.1									
11148	0.005	0.1									
11149	0.005	None									
11150	0.005	0.1									
11151	0.010	None									
11152	0.005	None									
11153	0.010	None									
11154	0.005	0.1									

Remarks:

Charges $ 39.00

Glen P. Williams

Telephone EMpire 3-3302

Sample Serial 21031-21048

FEB 21 1966

ASSAY REPORT

RECEIVED

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
W. C. WANLASS, Vice-Pres. & Treas.
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

Feb. 18, 1966

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
V-53											
11155	Trace	None									
11156	Trace	0.1									
11157	0.005	None									
11158	Trace	None									
11159	Trace	None									
11160	Trace	None									
11161	Trace	None									
11162	Trace	None									
11163	0.005	None									
11164	Trace	None									
11165	0.005	None									
11166	0.005	None									
11167	Trace	None									
11168	0.005	None									
11169	Trace	None									
10932	Trace	None									
10933	Trace	None									
10934	Trace	None									

Remarks

Charges $ 54.00

Glen J. Williams

Telephone EMpire 3-3302

Sample Serial 22043-22064

MAR 1 - 1966

ASSAY REPORT RECEIVED

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
W. C. WANLASS, Vice-Pres. & Treas.
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine American Exploration & Mining Co.
2300 Russ Building
San Frnacisco, California 94104

RESULTS PER TON OF 2000 POUNDS

Feb. 28, 1966

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
V-53											
11170	Trace	None									
11171	Trace	None									
11172	Trace	None									
11173	Trace	None									
11174	Trace	0.1									
11175	Trace	0.1									
11176	0.005	0.1									
11177	Trace	None									
11178	Trace	0.1									
11179	0.005	None									
11180	0.005	0.1									
11181	0.005	0.1									
11182	0.010	None									
11183	Trace	0.1									
11184	0.005	0.1									
11185	Trace	0.1									
10935	Trace	0.1									
10936	0.010	0.1									
10937	Trace	None									
11577	Trace	None									
11578	0.005	None									
11579	0.005	None									

Remarks

Charges $ 66.00

W. C. Wanlass

Standard Form No. 65
November 1961
General Services Administration
FPMR (41 CFR) 101-11.6

U.S. Government Messenger Envelope

INSTRUCTIONS FOR USE
1. Void Previously Used Block
2. Identify Agency of Addressee
3. Write Clearly
4. Send Surplus Envelopes to Supply Room for Reissue

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
	STOP		STOP
	STOP	Old Post Office Bldg. W. R.D. Room 101 D.W.	STOP
~~Mrs. Barnett Room 5205, GS Building 18th & F Streets, N. W.~~	STOP	Budget & Finance 5420 Interior	STOP
Mr. Brown B-208 GS	STOP	[illegible] 3216 [illegible]	STOP
Richard P. Sheldon	STOP	Survey Library [illegible]	STOP
Personnel Section 5[illegible]	STOP	[illegible] 4231 Int.	STOP
5[illegible]	STOP	Bob Weeks 5225, Int. Bldg.	STOP
22	STOP	Kirkeme 4457 - Int.	STOP
1. Miss Hallock	STOP	Thor Kalagaard 4255 GSA	STOP
2 Mr DeVito Room 2238 GSA	STOP	Bob Weeks 5225 Interior	STOP

Use other side

Use STOP only when messenger service between Government buildings in Washington, D.C., is required or wherever a STOP system is used. Your mail room has STOP information.

65-107

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
H. Kirkemo 4457 Int.	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP

Use other side first

☆ U.S. GOVERNMENT PRINTING OFFICE: 1964 — 0-771-982

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. OME 6436
Contract No. 2203
14-23-090-
Contract Amount ~~$ 174,860.00~~
Gov't. Participation ~~% 75 $ 131,145.00~~
Mineral(s) ~~Silver~~

OPERATOR'S MONTHLY VOUCHER

For Month of JANUARY, 1966

Operator's Name CORTEZ JOINT VENTURE
Address 2300 Russ Building, San Francisco, Calif. 94104

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						
Drifting	19,727.25	41,412.00	61,139.25			
Crosscutting Drill Sta	1,341.90	2,811.60	4,153.50			
Drilling Core	4,242.25	350.88	4,593.13			
Mobilization	-0-	2,767.50	2,767.50			
Fixed Unit Costs	1,148.15	2,512.68	3,660.83			
(2) Personal Services:						
Supervision & Technical	756.56	1,937.37	2,693.93			
Outside Consultants						
Labor	541.50	1,342.92	1,884.42			
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Cardboard core boxes	69.00	7.00	76.00			
(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 18%	233.65	590.46	824.11			
Employee's Liability Ins.						
TOTALS	28,060.26	53,732.41	81,792.67			

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

Date Feb. 28, 1966 * Payee CORTEZ JOINT VENTURE

Per [signature] Title Vice President Managing Coventurer

* 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:

$ 21,045.19 Cr

Signature 14X0804 [signature]
(Authorized Certifying Officer)

Date MAR 1 - 1966 Vou. No. 7000

(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. 2203

Signature H B Stagen Title FIELD OFFICER Date MARCH 8, 1966

Approved by OME Executive Officer or Alternate: OME REGION II

Signature H B Stagen Title FIELD OFFICER Date MARCH 8, 1966

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of JANUARY, 1966 Docket No. OME 6436

Operator's Name CORTEZ JOINT VENTURE Contract No. 14-23-090-2203

OPERATION	UNITS	FOR OPERATOR'S USE			FOR GOVERNMENT USE		
		UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	2040	453.5	1,405.3	71,870.22	453.5	1,405.3	71,870.22
Crosscutting	600	31.5	97.5	4,153.50	31.5	97.5	4,153.50
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond							
Rotary							
Drilling, ~~Non-core~~-Diamond	3400	690	760	5,768.95	690	760	5,768.95
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails							
Stripping							
Trenching							
Test Pitting							
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)*				81,792.67			$81,762.67

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 Feb. 28, 1966 Operator CORTEZ JOINT VENTURE

Per [signature] Title Vice President Managing Coventurer

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 [signature]

Title FIELD OFFICER, OME REGION II
Government Representative

Date MARCH 8, 1966

(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.

FEB 4 - 1966
RECEIVED

Ponderosa Development Company, Ltd.

WRITE TO:
BOX 4600-N
TUCSON, ARIZONA

OFFICE
6 NORTH TUCSON BOULEVARD

TELEPHONE
EAST 6-1114

February 1, 1966

Cortez Joint Venture
% American Exploration & Mining Co.
2300 Russ Building
San Francisco, Calif. 94104

STATEMENT

Cortez Joint Venture	Job # P-77-A	Statement # 8
Drift Advance; East 453.5 ft. at $43.50/ft.		$ 19,727.25
Drill Station; East 31.5 ft. at $42.60/ft.		1,341.90
Slab Round in # 3 drill station		100.00
		21,169.15
Less statement # 7, dated 1-25-66.		- 12,050.00
	Bal. Due	$ 9,119.15

Please make and mail remittance to;

Southern Arizona Bank and Trust Co.
P.O.Box 1871
Tucson, Arizona 85702

(and state on check"RE"; Ponderosa Development Co.,Ltd.,assignment.)

Send copy of remittance to:

Ponderosa Development Co.,Ltd.
Box 75
Crescent Valley Station
Beowawe, Nevada

CORTEZ JOINT VENTURE		
Goods Rec'd	2-3-66	
Price OK	RLS	
Code #	Amount	
5319G	9,119	15

Thank you,

M.L.Tate, Gen. Mgr.

OME charge
$ 21,069.15

CONTRACT MINE DEVELOPMENT AND MINERAL EXPLORATION
SURFACE AND UNDERGROUND • LOCATION AND ASSESSMENT WORK
DIVERSION TUNNELS • DAMS • ROADS • MINING AND LEASING
SURVEYING • MAPPING • CONSULTING • ENGINEERING • GEOLOGY

February 1,1966

In regard to material for:

Cortez Joint Venture | Job # P-77-A | Statement # 8

Purchased from Humboldt Oil Co., Elko, Fuel
Statement dated 1-4-66
Paid 1-20-66, check number N 1245 $ 1077.11

FEB 10 1966

FEB 4 1966 RECEIVED

RECEIVED

INVOICE

E. J. LONGYEAR COMPANY

Diamond Core Drilling

Foundation Testing and Grouting Contractors

76 SOUTH 8TH STREET
MINNEAPOLIS, MINNESOTA 55402

JANUARY 31, 1966

MR. J. B. BUSH
AMERICAN EXPLORATION AND MINING COMPANY
2300 RUSS BUILDING
SAN FRANCISCO, CALIFORNIA 94104

TERMS: PAYMENT DUE ON OR BEFORE FEBRUARY 25

INVOICE NO. 16618

FORM 408

EXPLORATORY DRILLING CARRIED OUT DURING THE MONTH OF JANUARY, 1966 IN THE VICINITY OF CORTEZ, NEVADA AS PER THE TERMS OF OUR AGREEMENT DATED MARCH 9, 1965, AND ADDENDUM NO. 1 DATED OCTOBER 25, 1965.

TOTAL FOOTAGE DRILLED DURING THE MONTH OF JANUARY, 1966 - 690 FEET.

HOLE NO.		FROM	TO	FOOTAGE	RATE	AMOUNT
CU-1	AX DIAMOND DRILLING	70.0	200.0	130.0	5.00	650.00
CU-2	BX DIAMOND DRILLING	0.0	5.0	5.0	5.25	26.25
CU-2	AX DIAMOND DRILLING	5.0	200.0	195.0	5.00	975.00
CU-3	BX DIAMOND DRILLING	0.0	4.0	4.0	5.25	21.00
CU-3	AX DIAMOND DRILLING	4.0	200.0	196.0	5.00	980.00
CU-3	AX DIAMOND DRILLING	200.0	360.0	160.0	5.25	840.00
				690.0		3,492.25 ✓
	REAMING					
CU-3	BX	4.0	260.0	256.0	2.25	576.00 ✓
	RENTAL OF COMPRESSOR					735.00
	MOVING					
CU-2	JANUARY 4	12 MAN HOURS				
CU-3	JANUARY 11	14 MAN HOURS				
CU-3	JANUARY 12	4 MAN HOURS				
		30 MAN HOURS		@	5.80	174.00 ✓
		(or 15 hours @ 11.60)				$4,977.25

Cortez Joint Venture
OK. -R.S. - 4-7-66

Date February 28, 1966

In Account With

AMERICAN EXPLORATION & MINING CO.

23rd Floor, Russ Building
San Francisco 4, Cal.

FIXED UNIT COSTS AS DESCRIBED IN OME CONTRACT 2203		
JEEP RENTAL (Schedule Attached)		
1,500 miles @ $0.15/mile		$ 225.00
WATER TRUCK RENTAL	1,046 miles @ $0.25/mile *	241.75
OFFICE EXPENSE	@ $100.00/month	100.00
ASSAY SAMPLES (Invoice Attached)		
	54 samples Ag @ $3.00 each $162.00	
	Freight on 54 samples @ $.10 each 5.40	167.40
COMPRESSED AIR FOR CORE DRILLING		
	690 ft. @ $0.60/ft.	414.00
		$1,148.15

* Limited by maximum allowable charge under this contract.

OME CONTRACT 2203
SCHEDULE OF DAILY JEEP MILEAGE DURING
JANUARY 1966

	JEEP MILEAGE	
	Actual	Allowable
January 1	---	---
2	---	---
3	102	60
4	97	60
5	105	60
6	100	60
7	101	60
8	103	60
9	---	---
10	98	60
11	103	60
12	106	60
13	101	60
14	98	60
15	101	60
16	---	---
17	107	60
18	102	60
19	102	60
20	99	60
21	104	60
22	99	60
23	---	---
24	103	60
25	100	60
26	103	60
27	100	60
28	104	60
29	98	60
30	---	---
31	102	60
	2538	1500

DJMcL:mb
2-28-66

FEB 2 - 1966
RECEIVED

UNION ASSAY OFFICE, INC.

P. O. BOX 1528
SALT LAKE CITY 10, UTAH

CHARGE TO American Exploration & Mining Co.
23rd Floor Russ Bldg.
San Francisco, Calif.

DATE Jan. 31, 1966

DATE		NAME	LOT NUMBER		
		Project V-53			
Jan.	12	11077 to 11089		39.00	
	24	11090 to 11117		84.00	
	25	10931, 11118 to 11129		39.00	
					$162.00

To insure proper credit please return one copy with payment

CORTEZ[redacted]INT VENTURE - OME CONTRACT 14-[redacted]090-2203
Shareable Personal Services (as abstracted from the payroll records of
AMERICAN EXPLORATION & MINING CO.
For The Month of January, 1966

	SUPERVISION AND TECHNICAL	LABOR
Name	Robert Garwood	B.D. Caldwell
Alloable pay rate per OME Contract 2203	$800/mo	21.66/day
Shareable under OME Contract	756.56	541.50 = 25 days
Total Gross Wages	950.00	683.25
Federal W/H	100.40	64.00
FICA	39.90	26.70
Employee Benefit Plan	19.10	
Net Wages	790.60	592.55

DJMcL:mb
2-28-66

AMERICAN EXPLORATION & MINING CO.

CABLE ADDRESS: "DRAGA"
TELEPHONE EXBROOK 2-4992

23RD FLOOR RUSS BUILDING
SAN FRANCISCO, CALIF. 94104

February 27, 1966

CORTEZ JOINT VENTURE, NEVADA
OME PROGRESS REPORT
January, 1966

Docket No. OME 6436

Contract No. 14-23-090-2203

January showed the greatest drift advance completed to date in the east heading. The heading was advanced 454 feet to 1108 feet from the start. By February 1, 1966, 1406 feet of drift and 97.5 feet of drill station crosscut had been completed. No ore was encountered by January's work even though the No. 1 dike fissure was followed the entire month. Underground horizontal diamond drilling continued with holes CU-1 and CU-2 completed at 200 feet and hole CU-3 drilled to 360 feet. Following is a more detailed report on the progress made during the month.

Drifting continued in the east heading with 454 feet of new drift and 31.5 feet of drill station crosscut completed for the month. Total advance was extended from 952 feet to 1406 feet of drift and 97.5 feet of drill station crosscut. No timber was required during the month. By using the dike to break to, the miners have been able to break the ground using from 13 to 14 holes with a modified V-cut. Bootlegs, which once were common, are rare.

The No. 1 dike fissure was followed throughout the month. It varied from 2.5 to 4.5 feet wide which allowed both the hanging and footwall to be exposed. No ore was encountered; both the hanging wall and footwall are oxidized and the center of the dike is relatively fresh. No important rock alteration was observed.

B. J. Longyear Co. completed holes CU-1 and CU-2 and drilled 360 feet of hole CU-3. All holes were drilled in dolomite which contained various vugs, stringers or dike rock. No important mineralization was found by the underground diamond drilling to date.

Drill hole CU-1 was drilled 200 feet at an angle of +2°. The core showed bedded blue and gray dolomite with minor limonite staining. Minor brecciation was observed thourghout the core.

Drill hole CU-2 was drilled 200 feet at an angle of +1½°. Bedded blue and gray dolomite was observed. From 96 to 105 feet, a highly fractured area was encountered with voids and lost circulation. Calcite and light gray dolomite occurred on both sides of the void.

Drill hole CU-3 was drilled 360 feet of its programmed 450 feet. From 27 to 29.5 feet occurs white calcite with included chert. From 29.5 to 37 feet occurs highly weathered dike rock with included calcite. Blue and gray dolomite was then cored to 360 feet. At 355 feet, a 1-foot wide fissure was encountered which contained fossil water. This resulted in the rods becoming stuck and the hole had to be reamed to set AX casing to 360 feet. By month's end, the casing was set and drilling was ready to commence again. Core recovery is very good.

Respectfully submitted,

R. G. Garwood
Project Supervisor

RGG:hg

Drill Hole Log

COMPANY AMEX **PROPERTY** CORTEZ MINE **Section No.** **HOLE No.** CU-3

Started 1-12-66	**Bearing** N02W	**Lat.** 21,784	**Collar El.** 6681.5	**Logged by** W.C. CHEESMAN **Date** 1-21-66
Completed 2-7-66	**Angle from Horiz.** +2°	**Dep.** 39,401	**Bottom El.**	**Remarks**
Driller E.J. LONGYEAR CO.	**Length** 448 FT.	**Location** CUMMINS M.S 42	**Level** ARCTIC	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY Au	ASSAY Ag
						BX - COLLAR					
0	3.6	3.6	2.3	64		MED. BLUE-GRAY DOLOMITE WITH CALCITE MOTTLING. CARBONATE ALTERATION ON FRACTURE PLANES.					
3.6	5.6	2.0	2.0	100		SAME					
5.6	10	4.4	3.3	75		MED TO DARK DOLOMITE - 1/2" CALCITE STRINGER 7.0@20°					
10	15	5	4.5	91		SAME - DOLOMITE BECOMES DARKER WITH CALCITE MOTTLING.					
15	20	5	4.5	91		DK. BLUE DOLOMITE WITH ABUNDANT CALCITE MOTTLING					
20	21	1	1	100		SAME	10931	29.5 to 37.0	7.5	.005	NONE
21	26	5	5	100		DK. BLUE DOLOMITE WITH CALCITE MOTTLING AND INTERLACED CALCITE FILLED FRACTURES					
26	29	3	3	100		MASSIVE WHITE CALCITE 27-29.5' WITH INCLUDED CHERT. CONTACT WITH MEDIUM TO FINE GR. DIKE ROCK AT 29.5					
29	30	1	1	100							
30	34	4	4	100		DIKE (29.5 to 37.0) BECOMES HIGHLY WEATHERED 34.5 to 37.0, BRECCIATED CALCITE, SERICITE, ALTERED BIOTITE, WITH MINOR DISSEM. PYRITE. DIKE POSSIBLY ANDESITE IN COMPOSITION. EPIDOTE ALTERATION (?) FeO.					
34	36	2	1	50		DIKE - SEVERLY ALTERED - WEATHERED.					
36	40	4	2.8	72		SAME TO 37.0'. WHITE TO GRAY BANDED DOLOMITE FROM 37.0'					
40	43	3	3	100		SAME WITH HIGHLY FRACTURED AND CALCITE CEMENTING. DOMINANT FRACTURING PARALLEL TO HOLE.					
43	50	7	7	100		SAME					

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Drill Hole Log

COMPANY	PROPERTY	Section No.	HOLE No. CU-3

Started	Bearing	Lat.	Collar El.	Logged by W. C. CHEESMAN Date 1-21-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
50	57	7	6.5	93		WHITE TO GRAY BANDED DOLOMITE				
57	60	3	3	100		MED. TO LIGHT GRAY DOLOMITE. FRACTURES DECREASE. YELLOW-ORANGE ALTERATION COATING 59 TO 59.5 WITH MINUTE MNO DENDRITES				
60	62	2	2	100		SAME				
62	67	5	5	100		LIGHT GRAY TO WHITE CALCITIC DOLOMITE WITH INCLUDED FRAGMENTS OF DARK DOLO. YELLOW-ORANGE ALTERATION ON FRACT. PLANES				
67	70	3	2.9	97		SAME - NO YELLOW ALT.				
70	75	5	4.8	96		SAME				
75	80	5	4.8	96		LIGHT GRAY TO MED. GRAY DOLOMITE WITH SCATTERED MOTTLING OF CALCITE.				
80	83	3	2.9	97		SAME				
83	88	5	4	80		DARK BLUE DOLOMITE WITH INTERLACED CALCITE VEINLETS.				
88	90	2	2	100		SAME				
90	95	5	4.5	90		SAME - CALCITE BANDING PARALLEL TO CORE				
95	97	2	2	100		SAME - HIGHLY FRACTURED WITH CALCITE CEMENTING. FRACT. INTERLACED WITH NO PATTERN				
97	100	3	2.5	83		SAME				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. C.4-3

Started	Bearing	Lat.	Collar El.	Logged by W. C. CHEESMAN Date 1-21-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
100	110	10	8.3	83		SAME - LESS FRACTURING. MORE CALCITE MOTTLING.				
110	120	10	8.3	83		SAME				
120	127	7	7	100		SAME - INTENSE FRACTURING				
127	130	3	2.5	83		SAME				
130	138	8	7.3	91		HIGHLY FRACT. DARK BLUE DOLOMITE. STEP FRACTURING (20°) WITH CONSIDERABLE ORANGE CARBONATE STAINING ON FRACT. PLANES. CALCITE MOTTLING TOWARDS 138!				
138	140	2	2.	100		SAME - ORANGE ALT. WITH CALCITE 139-140				
140	147	7	6.3	90		SAME - SCATTERED THIN ORANGE CARBONATE ALT. COATINGS.				
147	150	3	2.3	77		SAME - INTENSE CALCITE FILLED AND INTERLACED FRACTURING.				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU-3

Started	Bearing	Lat.	Collar El.	Logged by W. C. CHEESMAN Date 1-21-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
150	155	5	5	100		SAME - CALCITE MOTTLING				
155	160	5	4.6	92		SAME				
160	165	5	5	100		SAME - 1/4" CALCITE SEAM 164-166 PARALLEL WITH HOLE				
165	170	5	5	100		SAME				
170	180	10	9.2	92		SAME				
180	182	2	2	100		SAME DARK BLUE DOLOMITE - MOTTLED AND BANDED WITH CALCITE. ORANGE CARBONATE STAINING ON FRACT. FACES. 1/4" CALCITE SEAM 180-181 PARALLEL TO HOLE				
182	189	7	6	86		SAME - 1/4" - 1/2" CALCITE SEAM WITH ORANGE TO RED ALT COATING 185-186. SEAM CUTS CORE @ 85°				
189	190	1	9.5	95		DARK BLUE DOLOMITE CALCITE MOTTLING FRACT. - BROKEN				
190	195	5	4.5	90		SAME				
195	200	5	4.3	86		SAME				

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Drill Hole Log

COMPANY	PROPERTY	Section No.	HOLE No. CU 3

Started	Bearing	Lat.	Collar El.	Logged by W. C. CHEESMAN J. J. OBERPRILLER Date 1-21-66 2-3-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
200	210	10	10	100		DARK BLUE DOLOMITE WITH CALCITE MOTTLING - FRACTURED AND BROKEN CALCITE FILLED FRACTURES. ALT. CALCITE FILLED FRACT. 10° @ 204 MINOR LIMONITE COATING ON FRACT.				
210	215	5	5	100		SAME - ALT. CALCITE, FeOx STAIN @ 214				
215	220	5	5	100		SAME CHANGING TO GRAY DOLOMITE				
220	225	5	5	100		DK. BLUE DOLOMITE, MOTTLED, CALC. FILLED FRACT.				
225	230	5	5	100		GRAY DOLOMITE, MOTTLED, CALC. FILLED FRACT.				
230	235	5	5	100		BLUE DOLOMITE, HIGHLY MOTTLED, CALC. FILLED FRACT.				
235	240	5	5	100		SAME - 8" CALCITE STRINGER @ 239.6 @ 90°				
240	244	4	4	100		SAME WITH 1/2" CALCITE STRINGERS				
244	245	1	1	100		WHITE SILICIFIED DOLOMITE, FRACT. AND BROKEN				
245	250	5	5	100		SAME				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CJ-3

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date 2-3-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
						1 FT. VOID 250-251				
250	255	5	5	100		WHITE SILICIFIED DOLOMITE, FRACT. AND BROKEN				
255	258	3	3	100		SAME - MINOR HEMATITE AND LIMONITE STAIN				
258	260	2	2	100		GRAY DOLOMITE WITH WHITE DOLOMITE BANDING AT 30°	11577	259.5-262.3	2.8	
260	261.5	1.5	1.5	100		SAME HOLE REAMED 0-260 FOR AX CASING				
261.5	261.8	0.3	0.3	100		ALT. DOLOMITE AND CALCITE CONTACT @ 50° DISSEMINATED FINE GRAIN PYRITE				
261.8	262.3	0.5	0.5	100		GRAY DOLOMITE, CALCITE, FeOx STAINING.				
262.3	265.5	3.2	0.7	21		ORANGE, FINE TO MED. GRAINED DIKE MATERIAL HIGHLY ALTERED.				
265.5	267.0	1.5	1.5	100		SAME - DISSEM. FINE GR. PYRITE				
267.0	268.5	1.5	0.5	30		GRAY SILICIFIED DOLOMITE, FRACT. AND BROKEN, FeOx STAIN.	11578	265.5-275.5	10.0	
268.5	270.0	1.5	1.5	100		BROWN-ORANGE FINE TO MED GRAINED DIKE MAT'L.				
270.0	275.5	5.5	5.5	100		SAME WITH MINOR ALT. CALCITE DIKE FROM 262.3 TO 275.5	11579	275.5-280	4.5	
275.5	280.0	4.5	4.5	100		WHITE SILICIFIED DOLOMITE, BADLY BROKEN				
280	283	3	3	100		SAME WITH MINOR LIM. STAINING IN FRACTURES. CALCITE FILLED FRACTURE @ 282				
283	288	5	5	100		SAME				
288	289.5	1.5	1.5	100		BLUE DOLOMITE WITH CALCITE FILLED FRACTURES				
289.5	290	0.5	0.5	100		SAME				
290	300	10	9.5	95		SAME				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. C-1 3

Started	Bearing	Lat.	Collar El.	Logged by J. J. OGERBILLIG Date 2-3-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
300	310	10	9.8	98		BLUE DOLOMITE WITH CALCITE FILLED FRACT. BROKEN 300-303				
310	320	10	10	100		SAME				
320	322	2	2	100		WHITE SILICIFIED DOLOMITE				
322	325.2	3.2	3	94		BLUE DOLOMITE WITH MINOR CALC. STRINGERS				
325.2	326.8	1.6	1.6	100		MASSIVE WHITE CALCITE				
326.8	330.0	3.2	2.8	88		BLUE SILIC. DOLOMITE, HIGHLY MOTTLED				
330	335	5	3.5	70		SAME				
335	340.5	5.5	5.5	100		SAME BUT NO MOTTLING				
340.5	343.5	3.0	3.0	100		SAME				
343.5	350	6.5	6.5	100		WHITE SILIC. DOLOMITE, FRACT. FILLED WITH LIM. ST. CALCITE.				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU 3

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date 2-5-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
350	360	10	8	80		WHITE SILICIFIED DOLOMITE, FRACT. FILLED WITH LIMONITE ST. CALCITE				
360	363	3	3	100		SAME 1/4" CALCITE VEIN @ 360.8 @ 10°				
363	366	3	3	100		LT. TO DK. GRAY DOLOMITE, SILICIFIED				
366	370	4	4	100		BLUE DOLOMITE, SIGHTLY SILICIFIED MINOR CALCITE FILLED FRACTURES				
370	380	10	10	100		SAME				
380	390	10	9.9	99		SAME				
390	400	10	9.6	9.6		SAME				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU-3

Started	Bearing	Lat.	Collar El.	Logged by J.J. OBERBILLIG Date 2-5-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
400	410	10	8.6	86		BLUE DOLOMITE, SLIGHTLY SILICIFIED MINOR CALCITE FILLED FRACTURES				
410	415	5	5	100		SAME				
415	420	5	5	100		LT. GRAY SILICIFIED DOLOMITE, WITH CALCITE QTZ. XTALS 415 TO 416				
420	430	11	10.6	96		SAME				
430	434.2	4.2	4.2	100		SAME				
434.2	437.0	2.8	2.8	100		BLUE DOLO., SILICIFIED, CALCITE FILLED FRACTURES				
437	440	3	0.9	30		SAME, BADLY BROKEN.				
440	441	1	0.3	30		SAME				
441	442	1	1	100		MASSIVE WHITE CALCITE CEMENTING DOLOMITE BRECCIA				
442	448	6	6	100		GRAY SILICIFIED DOLO. CALCITE FILLED FRACT. END OF HOLE				

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416.5 FT. CORE RECOVERED OR 93%

FEB 24 1966

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Drill Hole Log

COMPANY AMEX **PROPERTY** CORTEZ MINE **Section No.** **HOLE No.** CU-2

Started 1-5-66	**Bearing** N 7° E	**Lat.** 21,920.5	**Collar El.** 6680.8	**Logged by** J. J. OBERBULLIG **Date** 1-10-66
Completed 1-11-66	**Angle from Horiz.** +2°	**Dep.** 30,564.0	**Bottom El.**	**Remarks**
Driller E. J. LONGYEAR Co.	**Length** 200.0	**Location** EXCELSIOR N.S. 46A WEST HEADING	**Level** ARCTIC	INSUFFICIENT MINERALIZATION TO WARRANT SAMPLING

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
0	5	5	1.8	36		BW-WL BLUE DOLOMITE, SLIGHTLY SILICIFIED IRREGULAR CALCITE INCLUSIONS, IRREGULAR CALCITE VEINS @ 26° AW-WL-GERIES 10				
5	10	5	5	100		DITTO				
10	15	5	4.8	96		BLUE-GRAY DOLOMITE WITH IRREGULAR CALCITE VEINLETS.				
15	18.5	3.5	3.5	100		DITTO				
18.5	20	1.5	1.5	100		DITTO				
20	25	5	4.9	98		GRAY DOLOMITE, IRREGULAR CALCITE VEINLETS, CALCITE VEINING @ 25°				
25	27	2	2.0	100		DITTO				
27	30	3	3.0	100		DITTO				
30	31	1	1	100		DITTO				
31	36	5	5	100		DITTO				
36	40	4	3.9	98		DITTO				
40	41	1	1	100		BLUE DOLOMITE, IRREG. CALCITE VEINLETS				
41	46	5	5	100		BLUE-GRAY DOLOMITE, IRREG. CALCITE VEINLETS.				
46	50	4	3.8	96		DITTO				

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Drill Hole Log

COMPANY AMEX **PROPERTY** CORTEZ MINE **Section No.** **HOLE No.** CU-2

Started	**Bearing**	**Lat.**	**Collar El.**	**Logged by** J. J. OBERBILLIG **Date** 1-10-66
Completed	**Angle from Horiz.**	**Dep.**	**Bottom El.**	**Remarks**
Driller	**Length**	**Location**	**Level**	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
50	51	1.0	1.0	100		BLUE DOLOMITE. SLIGHTLY SILICIFIED, IRREGULAR CALCITE VEINLETS				
51	55	4.0	4.0	100		DITTO				
55	60	5.0	4.7	94		GRAY DOLOMITE, SLIGHTLY SILICIFIED, CALCITE VEINLETS				
60	64	4.0	3.6	90		DITTO				
64	67	3.0	3.0	100		DITTO				
67	70	3.0	3.0	100		DITTO				
70	71	1.0	1.0	100		DITTO WITH CALCITE VEIN @ 28°				
71	76	5.0	5.0	100		BLUE-GRAY DOLOMITE, SIGHTLY SILICIFIED, IRREG. CALCITE VEINLETS. BADLY BROKEN 73-80				
76	80	4.0	3.6	90		DITTO				
80	81	1.0	0.8	80		DITTO				
81	82	1.0	1.0	100		BLUE DOLOMITE, MINOR BRECCIA, BANDING @ 30°				
82	83	1.0	1.0	100		BLUE DOLOMITE, VEINS OF CALCITE @ 90°				
83	86	3.0	1.5	50		DITTO				
86	90	4.0	3.8	95		DITTO				
90	91	1.0	0.9	90		DITTO, WITH IRREGULAR CALCITE VEINING				
91	96	5.0	4.2	84		DITTO				
96	100	4.0	0.8	5		DITTO, MUD SEAM FILLING VOID CORE GROUND				

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Drill Hole Log

COMPANY | PROPERTY | Section No. | HOLE No. CU-2

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date 1-12-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
100	101	1	0.2	20		BLUE DOLOMITE, BADLY BROKEN, MUD				
101	105	4	0.0	0		NO CORE RECOVERED				
105.	109	4	3.6	90		BLUE DOLOMITE, IRREG. FRACTURES, FILLED WITH CALCITE				
109	110	1	1	100		DITTO				
110	113	3	3	100		GRAY DOLOMITE MOTELED WITH CALCITE				
113	118	5	5	100		BLUE DOLOMITE WITH CALCITE FILLED FRACTURES				
118	120	2	2	100		DITTO				
120	123	3	3	100		DITTO				
123	128	5	5	100		GRAY DOLOMITE WITH CALCITE FILLED FRACTURES				
128	130	2	2	100		DITTO				
130	132	2	2	100		DITTO				
132	136	4	4	100		DITTO				
136	140	4	4	100		BLUE-GRAY GRANULAR DOLOMITE				
140	141	1	1	100		DITTO				
141	146	5	5	100		DITTO				
146	150	4	4	100		GRAY DOLOMITE				

FREE PRESS PRINT, ELKO, NEVADA

Drill Hole Log

COMPANY	PROPERTY	Section No.	HOLE No. CU-2

Started	Bearing	Lat.	Collar El.	Logged by J. J. OBERBILLIG Date 1-12-66
Completed	Angle from Horiz.	Dep.	Bottom El.	Remarks
Driller	Length	Location	Level	

Footage From	Footage To	Interval	RECOVERY Ft.	RECOVERY %	Graphic Log	DESCRIPTION	Sample No.	From - To	Interval	ASSAY
150	151	1	1	100		BLUE-GRAY DOLOMITE WITH CALCITE FILLED FRACTURES				
151	160	9	9	100		DITTO				
160	170	10	10	100		DITTO				
170	180	10	10	100		DITTO				
180	182	2	2	100		DITTO				
182	185	3	3	100		GRAY DOLOMITE WITH BRECCIA @ 185-186				
185	186	1	1	100		DITTO				
186	189	3	3	100		BLUE-GRAY DOLOMITE WITH BLUE DOLO. INCLUSIONS				
189	190	1	1	100		BLUE-GRAY DOLOMITE				
190	191	1	1	100		DITTO				
191	196	5	4.9	98		GRAY DOLOMITE WITH IRREG. CALCITE INCLUSIONS				
196	200	4	3.9	98		DITTO WITH 1 INCH BLUE DOLOMITE BAND				
						END OF HOLE				

FREE PRESS PRINT, ELKO, NEVADA

183.7 FT. CORE RECOVERED OR 92%

Telephone 363-3302

Sample Serial 18964-18976

JAN 27 196

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RECEIVED

RESULTS PER TON OF 2000 POUNDS

Jan. 25, 1966

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
10931	0.005	None									
11118	0.005	0.1									
11119	0.005	0.1									
11120	0.005	0.1									
11121	0.005	0.1									
11122	0.005	None									
11123	0.010	None									
11124	0.005	None									
11125	0.010	0.1									
11126	Trace	0.1									
11127	Trace	None									
11128	0.005	None									
11129	0.005	None									

Remarks JBF

Charges $ 39.00

Glen P. Williams

Telephone 363-3302

Hand Sample Serial 17989-18016

JAN 13 1966

ASSAY REPORT

RECEIVED

UNION ASSAY OFFICE, Inc.

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

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

Jan. 12, 1966

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
V-53											
11077	0.010	0.1									
11078	0.010	None									
11079	0.010	None									
11080	0.005	None									
11081	0.010	None									
11082	0.010	0.1									
11083	0.010	None									
11084	0.010	0.1									
11085	0.005	0.1									
11086	0.010	0.3									
11087	0.010	None									
11088	0.010	None									
11089	0.010	0.4									

Remarks

Charges $ 39.00

Glen P. Williams

Telephone EMpire 3-3302

Sample Serial 18827-18854

JAN 26 1966

RECEIVED

ASSAY REPORT

UNION ASSAY OFFICE, INC.

J. V. SADLER, President
W. C. WANLASS, Vice-Pres. & Treas.
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine American Exploration & Mining Co.
2300 Russ Building
San Francisco, California 94104

RESULTS PER TON OF 2000 POUNDS

Jan. 24, 1966

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
V-53											
11090	0.010	0.1									
11091	0.010	0.1									
11092	0.005	0.1									
11093	0.005	None									
11094	0.010	0.1									
11095	0.010	0.2									
11096	0.010	0.4									
11097	0.010	None									
11098	0.010	1.1									
11099	0.005	0.1									
11100	0.010	0.3									
11101	0.010	0.2									
11102	0.005	None									
11103	0.005	0.1									
11104	0.005	None									
11105	0.010	None									
11106	0.010	None									
11107	0.010	0.1									
11108	0.005	None									
11109	0.005	0.4									
11110	0.010	0.2									
11111	0.010	0.1									
11112	Trace	0.1									
11113	0.020	0.2									
11114	0.010	0.2									
11115	0.005	0.1									
11116	0.005	0.1									
11117	0.010	0.1									

Remarks

Charges $ 84.00

Glen P. Williams

AMERICAN EXPLORATION & MINING CO.

CABLE ADDRESS: "DRAGA"
TELEPHONE EXBROOK 2-4992

23RD FLOOR RUSS BUILDING
SAN FRANCISCO, CALIF. 94104

OFFICIAL COPY
O. M. E.
MAR 10 1966
MINERALS

March 7, 1966

Mr. Harold K. Stager
U. S. Geological Survey
345 Middlefield Road
Menlo Park, Calif. 94025

Dear Mr. Stager:

Subject: O.M.E. No. 6436, Silver
Contract No. 14-23-090-2203
Cortez Joint Venture
Cortez Mine and Rossi Property
Eureka and Lander Counties, Nevada

Enclosed herewith are four copies of the O.M.E. Progress Report for January 1966. Enclosed with the report are copies of all vouchers, assay certificates, drill hole logs, geological plan maps, progress plan map, and assay plan map.

Yours sincerely,

J. B. Bush

jb

Encl:

RECEIVED
MAR 8 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

U. S. Government Messenger Envelope

Standard Form 65 (Nov. 1961)
GSA Gen. Reg. No. 27

65-105

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
~~Robert Tuttle 5457~~	STOP		STOP
Mr. Harold Kikemo Room 4457	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP

Use other side

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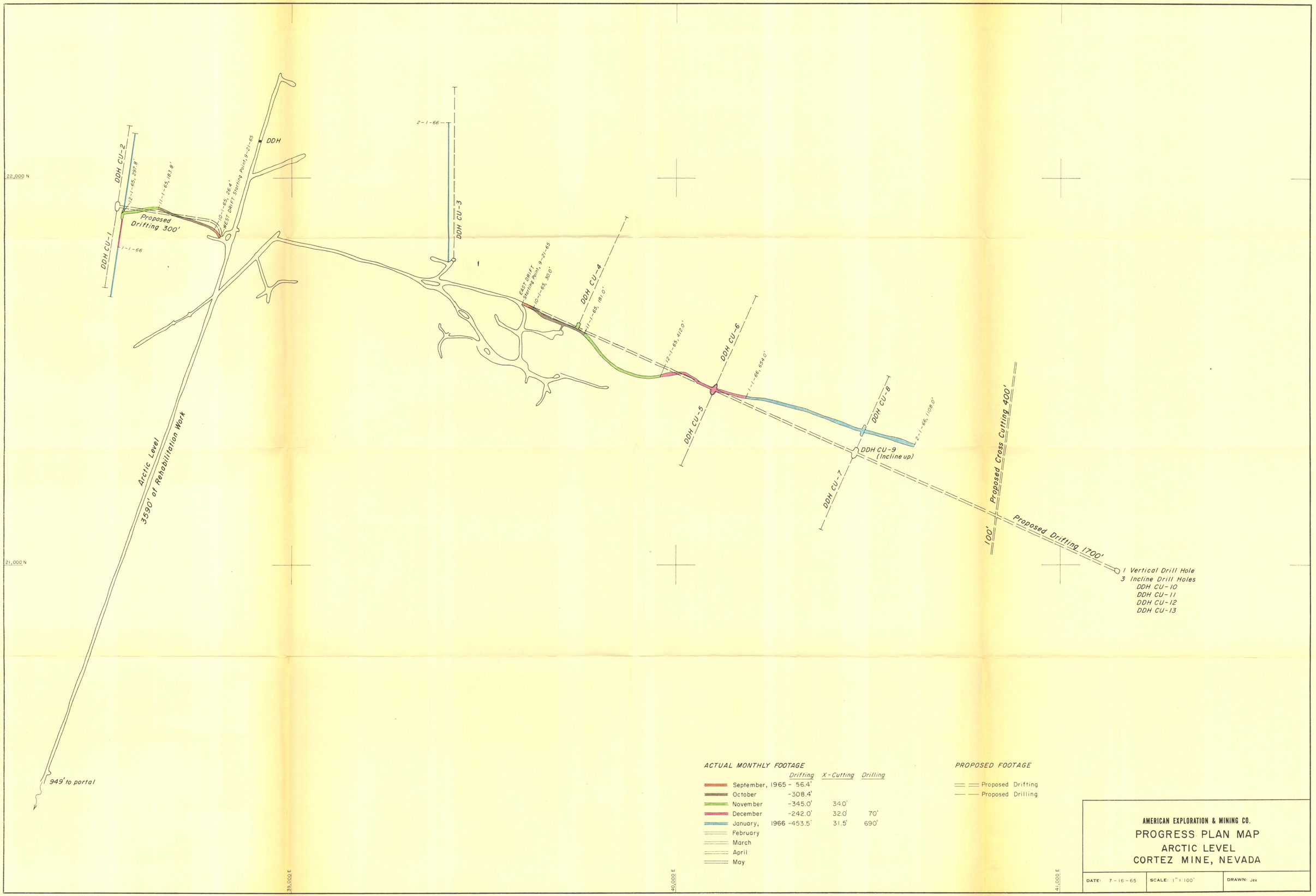

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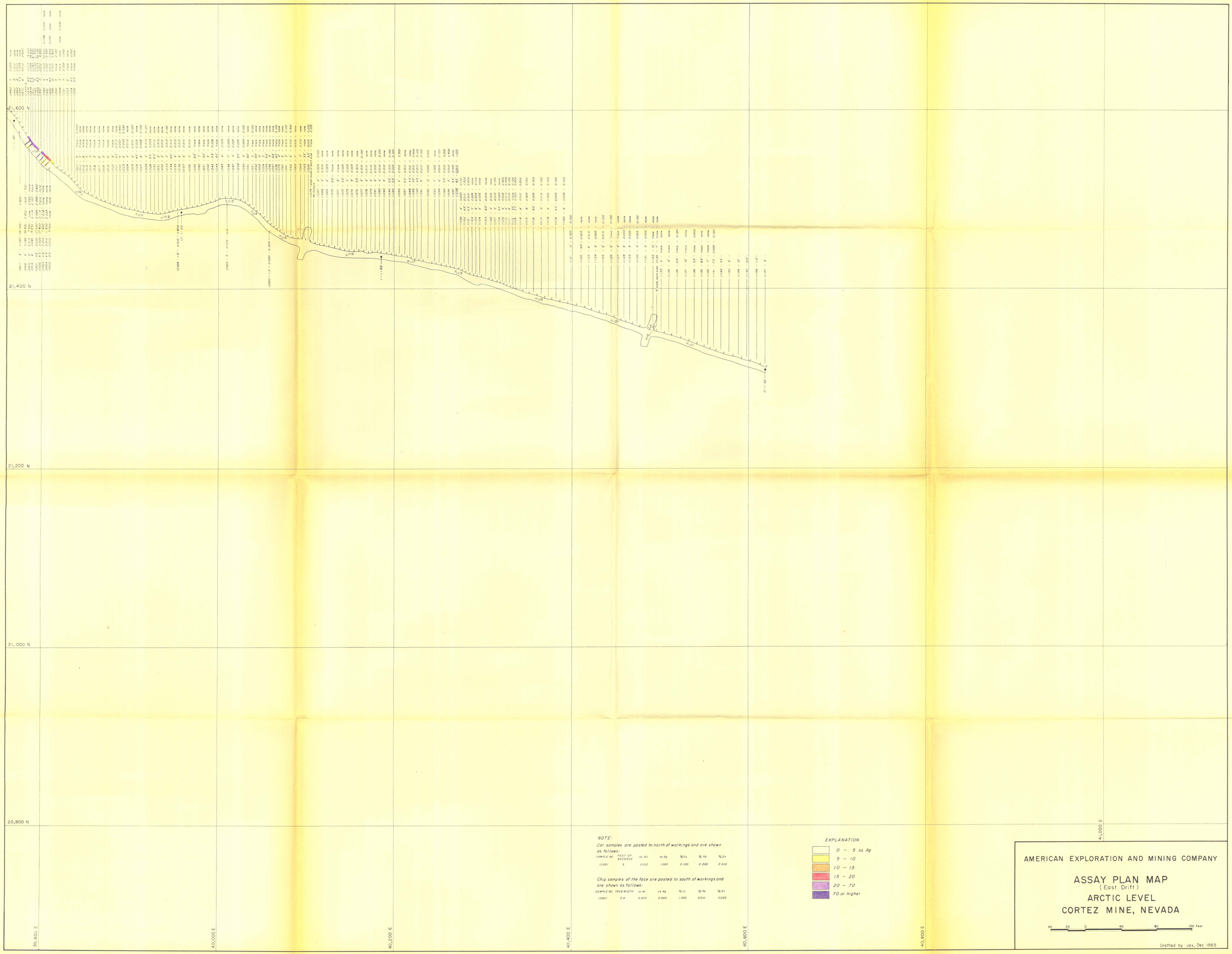
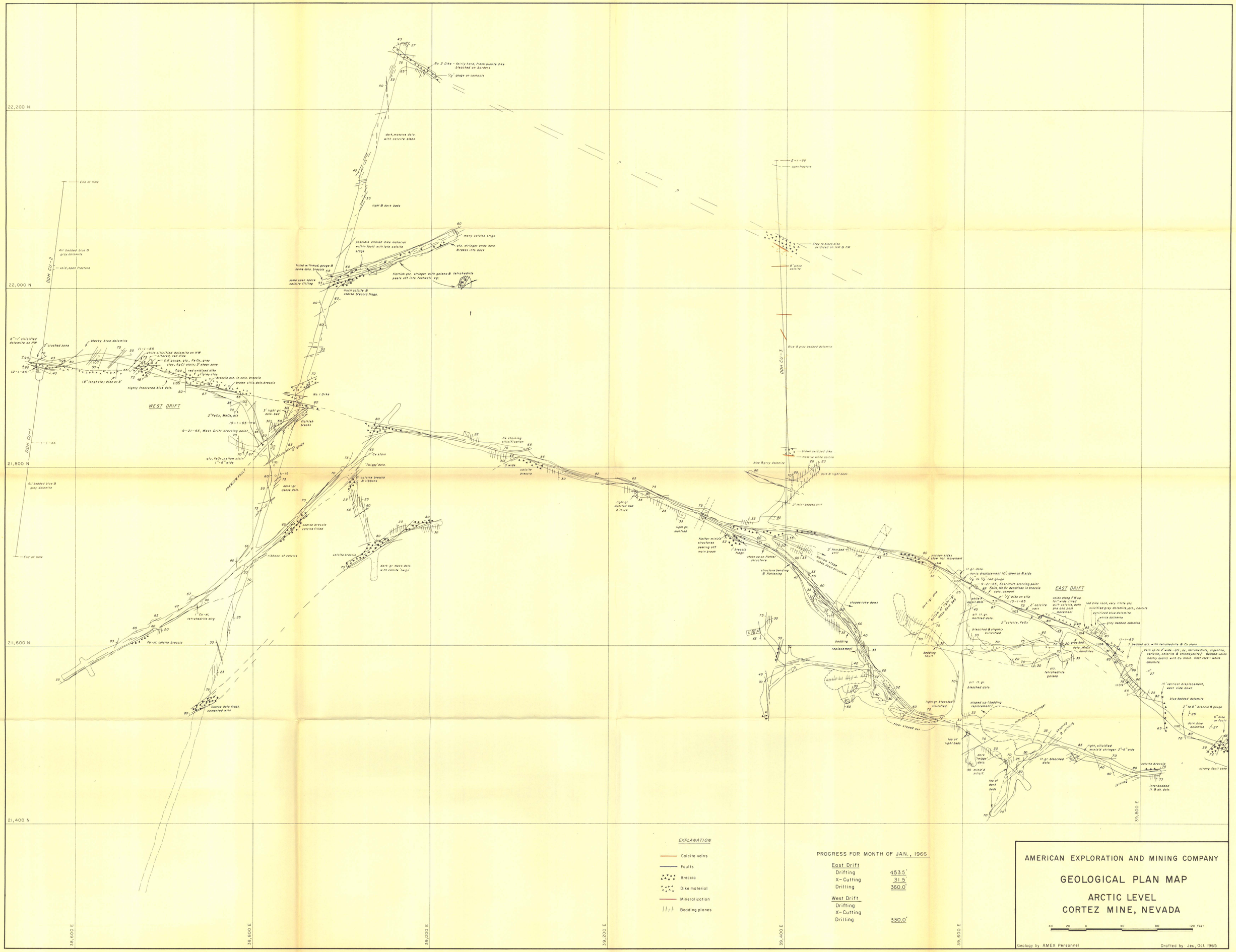
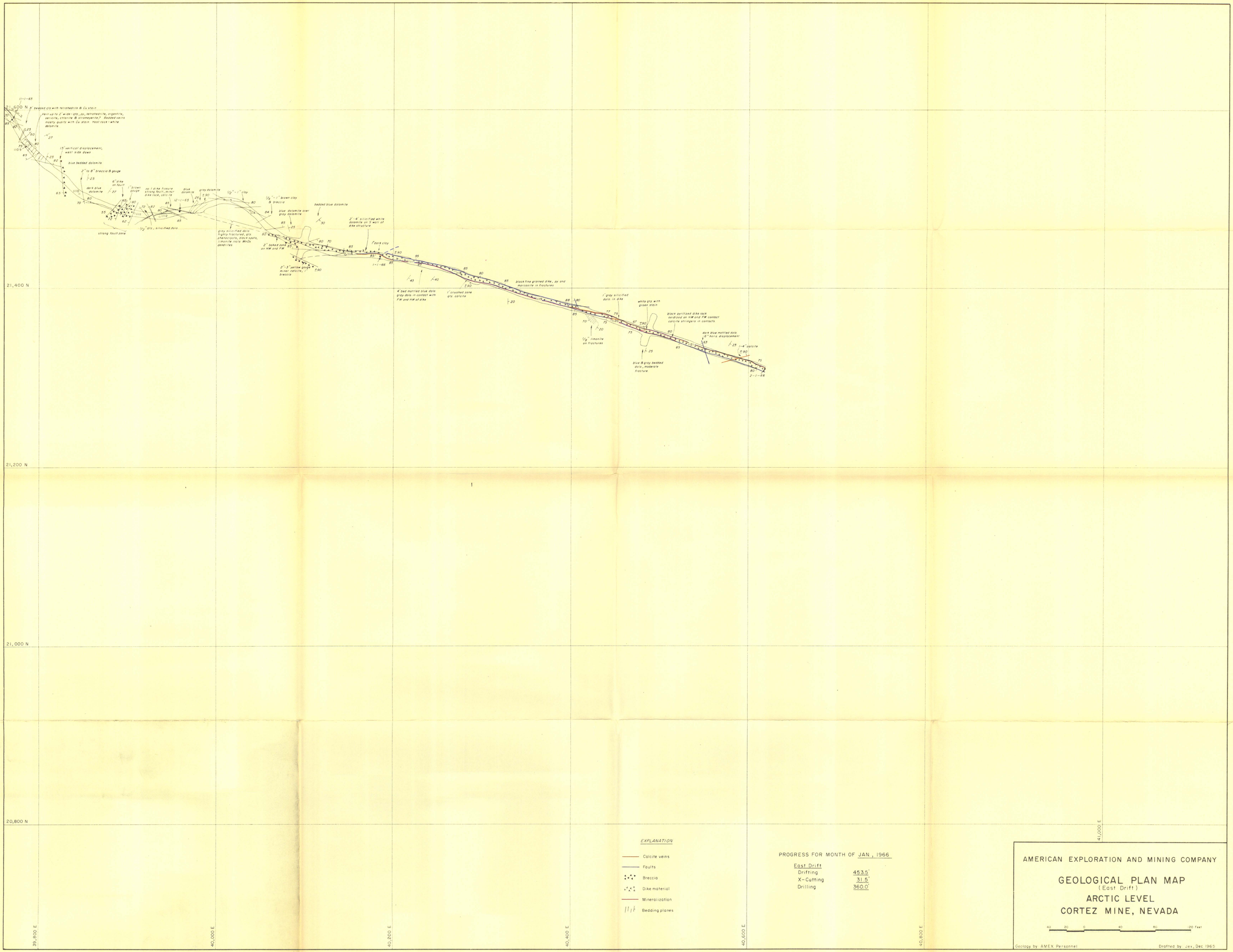

21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
NOTE:
Car samples are posted to north of workings and are shown as follows:
SAMPLE NO. | FEET OF ADVANCE | oz Au | oz Ag | % Cu | % Pb | % Zn
10901 | 5 | 0.010 | 1.000 | 0.100 | 0.200 | 0.010
Chip samples of the face are posted to south of workings and are shown as follows:
SAMPLE NO. | TRUE WIDTH | oz Au | oz Ag | % Cu | % Pb | % Zn
10901 | 3.6 | 0.010 | 2.000 | 1.000 | 0.010 | 0.020
EXPLANATION
0 - 5 oz. Ag
5 - 10
10 - 15
15 - 20
20 - 70
70 or higher
AMERICAN EXPLORATION AND MINING COMPANY
ASSAY PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Drafted by Jex, Dec 1965


22,200 N
22,000 N
21,800 N
21,600 N
21,400 N
38,600 E
38,800 E
39,000 E
39,200 E
39,400 E
39,600 E
39,800 E
WEST DRIFT
EAST DRIFT
PREMIUM FAULT
DDH CU-1
DDH CU-2
DDH CU-3
No. 2 Dike - fairly hard, fresh biotite dike bleached on borders
1/2" gouge on contacts
dark, massive dolo. with calcite blebs
light & dark beds
many calcite strgs
qtz. stringer ends here & takes into back
possible altered dike material within fault with late calcite stage
filled with mud, gouge & some dolo. breccia
some open space calcite filling
much calcite & coarse breccia frags.
flattish qtz. stringer with galena & tetrahedrite peels off into footwall
No. 1 Dike
End of Hole
All bedded blue & gray dolomite
void, open fracture
6"-1' silicified dolomite on HW
2" crushed zone
blocky blue dolomite
11-1-65
white silicified dolomite on HW
altered, red dike
0.6' gouge, qtz., FeOx, gray clay, AgCl stain; 3" shear zone
red oxidized dike
1' gray clay
breccia qtz. in calc. breccia
brown silic. dolo. breccia
12-1-65
18" longhole; dike at 8'
highly fractured blue dolo.
3' light gr. dolo. bed
2" FeOx, MnOx qtz
10-1-65
9-21-65, West Drift starting point
flattish breaks
1-1-66
qtz, FeOx, yellow stain 1"-6" wide
2" gouge
dark-gr. dense dolo.
coarse breccia calcite filled
ribbons of calcite
calcite breccia
dark gr. mass dolo with calcite twigs
Cu stain
Twiggy dolo.
calcite breccia & ribbons
Fe staining silicification
5' wide
calcite breccia
light gr. mottled bed 4' thick
light gr. mottled
flatter-mint'g structures peeling off main break
breccia frags
stope up on flatter structure
structure bending & flattening
stopes rake down
bedding replacement
floor stoped out
Fe-st. calcite breccia
Cu-st. tetrahedrite strg
Coarse dolo frags. cemented with
2-1-66
open fracture
Gray to black dike oxidized on HW & FW
8" white calcite
Blue & gray bedded dolomite
brown oxidized dike
massive white calcite
blue & gray dolomite
dark & light beds
2" thin-bedded unit
slicken sides show hor. movement
lt. gr. dolo. hor'z displacement 10', down on N side
1/4 to 1/2" red gouge
9-21-65, East Drift starting point
FeOx, MnOx dendrites in breccia calc. cement
1/2" dike on slip
10-1-65
2" calcite vein
voids along FW up to 1' wide lined with calcite, both pre and post movement
red dike rock, very little qtz
silicified grey dolomite, qtz., calcite
pyritized blue dolomite
white dolomite
grey bedded dolomite
bleached & slightly silicified
grey bed. MnOx dolo. dendrites
qtz. tetrahedrite galena
11-1-65
5' bedded qtz. with tetrahedrite & Cu stain
Vein up to 2' wide - qtz., py., tetrahedrite, argentite, sericite, chlorite & stromeyerite? Bedded veins mostly quartz with Cu stain. Host rock - white dolomite
15' vertical displacement, west side down
blue bedded dolomite
2" to 8" breccia & gouge
6" dike on fault
dark blue dolomite
strong fault zone
interbedded lt. & dk. dolo.
calcite breccia
jointing
lt. gr. bleached dolo.
light, silicified mint'd stringer 2"-6" wide
lt. gr. bleached silicified
stoped up bedding replacement
late calcite stringer
staining & jointing
top of light beds
dark twiggy dolo.
mint'd silicif.
top of dark beds
EXPLANATION
Calcite veins
Faults
Breccia
Dike material
Mineralization
Bedding planes
PROGRESS FOR MONTH OF JAN., 1966
East Drift
Drifting 453.5'
X-Cutting 31.5'
Drilling 360.0'
West Drift
Drifting
X-Cutting
Drilling 330.0'
AMERICAN EXPLORATION AND MINING COMPANY
GEOLOGICAL PLAN MAP
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Geology by AMEX Personnel
Drafted by Jex, Oct. 1965



EXPLANATION

- Calcite veins
- Faults
- Breccia
- Dike material
- Mineralization
- Bedding planes

PROGRESS FOR MONTH OF JAN., 1966

East Drift	
Drifting	453.5'
X-Cutting	31.5'
Drilling	360.0'

AMERICAN EXPLORATION AND MINING COMPANY

GEOLOGICAL PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA

40 20 0 40 80 120 Feet

Geology by AMEX Personnel

Drafted by Jex, Dec 1965

PROPOSED FOOTAGE

Proposed Drifting
Proposed Drilling

ACTUAL MONTHLY FOOTAGE

	Drifting	Drill Station X-Cutting	Drilling	X-Cutting	Raising
September, 1965	- 56.4'				
October	-308.4'				
November	-345.0'	34.0'			
December	-242.0'	32.0'	70.0'		
January, 1966	-453.5'	31.5'	690.0'		
February	-299.0'	.	773.0'	100.5	22.0'
March					
April					
May					

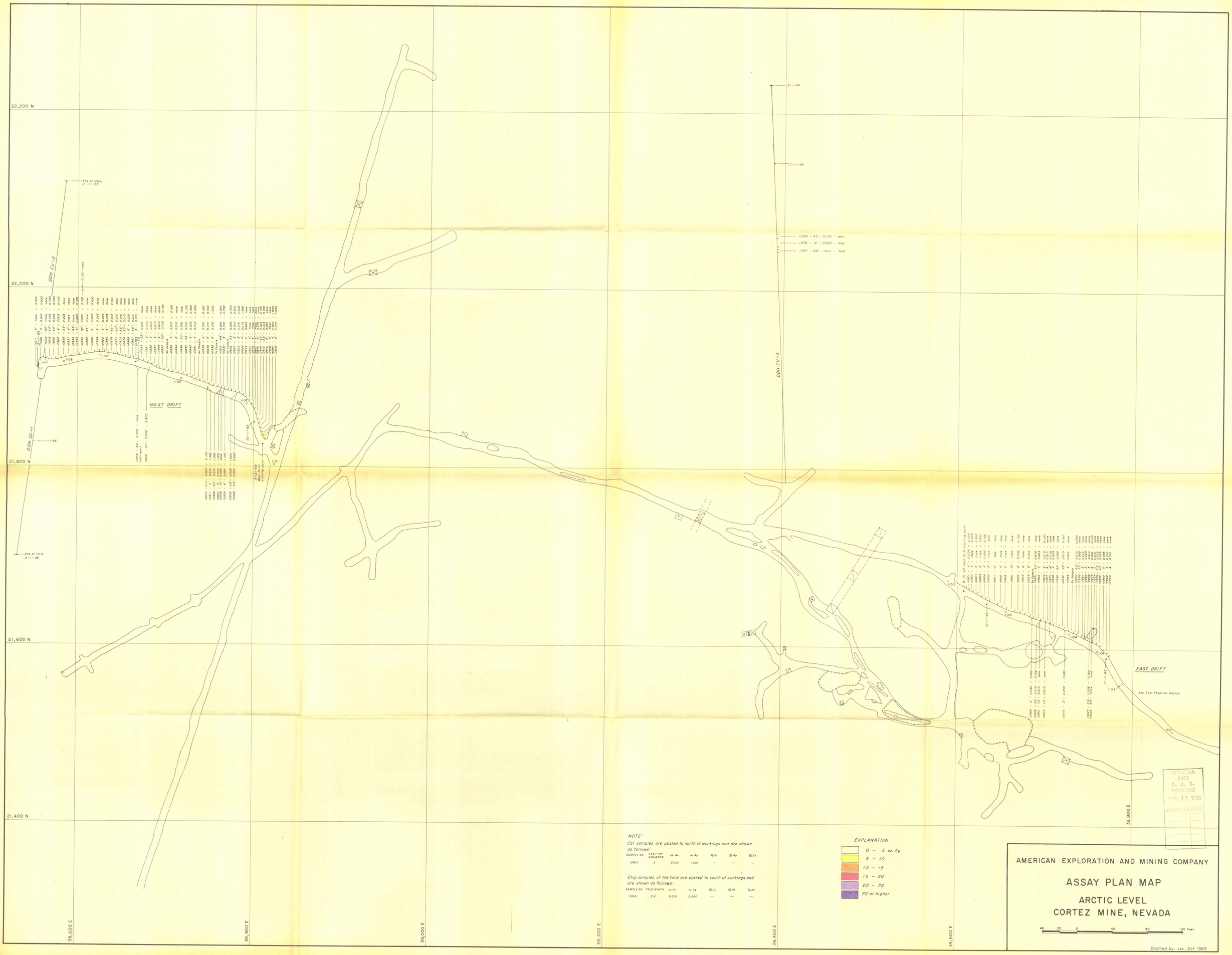
OFFICIAL COPY
O. M. E.
RECEIVED
APR 11 1966
INITIALED

AMERICAN EXPLORATION & MINING CO.

PROGRESS PLAN MAP
ARCTIC LEVEL
CORTEZ MINE, NEVADA

DATE: 7-16-65 | SCALE: 1" = 100' | DRAWN: Jex

PRINTED ON DIEPO NO. 1001H A CLEARPRINT FADE-OUT


22,200 N
22,000 N
21,800 N
21,600 N
21,400 N
38,600 E
38,800 E
39,000 E
39,200 E
39,400 E
39,600 E
39,800 E
DDH CU-1
DDH CU-2
DDH CU-3
End of Hole, 2-1-66
1-1-66
2-1-66
3-1-66
WEST DRIFT
EAST DRIFT
See East Sheet for Assays
NOTE:
Car samples are posted to north of workings and are shown as follows:
SAMPLE NO. | FEET OF ADVANCE | oz. Au | oz. Ag | % Cu | % Pb | % Zn
10801 | 5 | 0.010 | 1.000 | — | — | —
Chip samples of the face are posted to south of workings and are shown as follows:
SAMPLE NO. | TRUE WIDTH | oz. Au | oz. Ag | % Cu | % Pb | % Zn
10901 | 3.6 | 0.010 | 2.000 | — | — | —
EXPLANATION
0 – 5 oz. Ag
5 – 10
10 – 15
15 – 20
20 – 70
70 or higher
AMERICAN EXPLORATION AND MINING COMPANY
ASSAY PLAN MAP
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Drafted by: Jex, Oct 1965
OFFICIAL COPY
O. M. B.
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APR 11 1966
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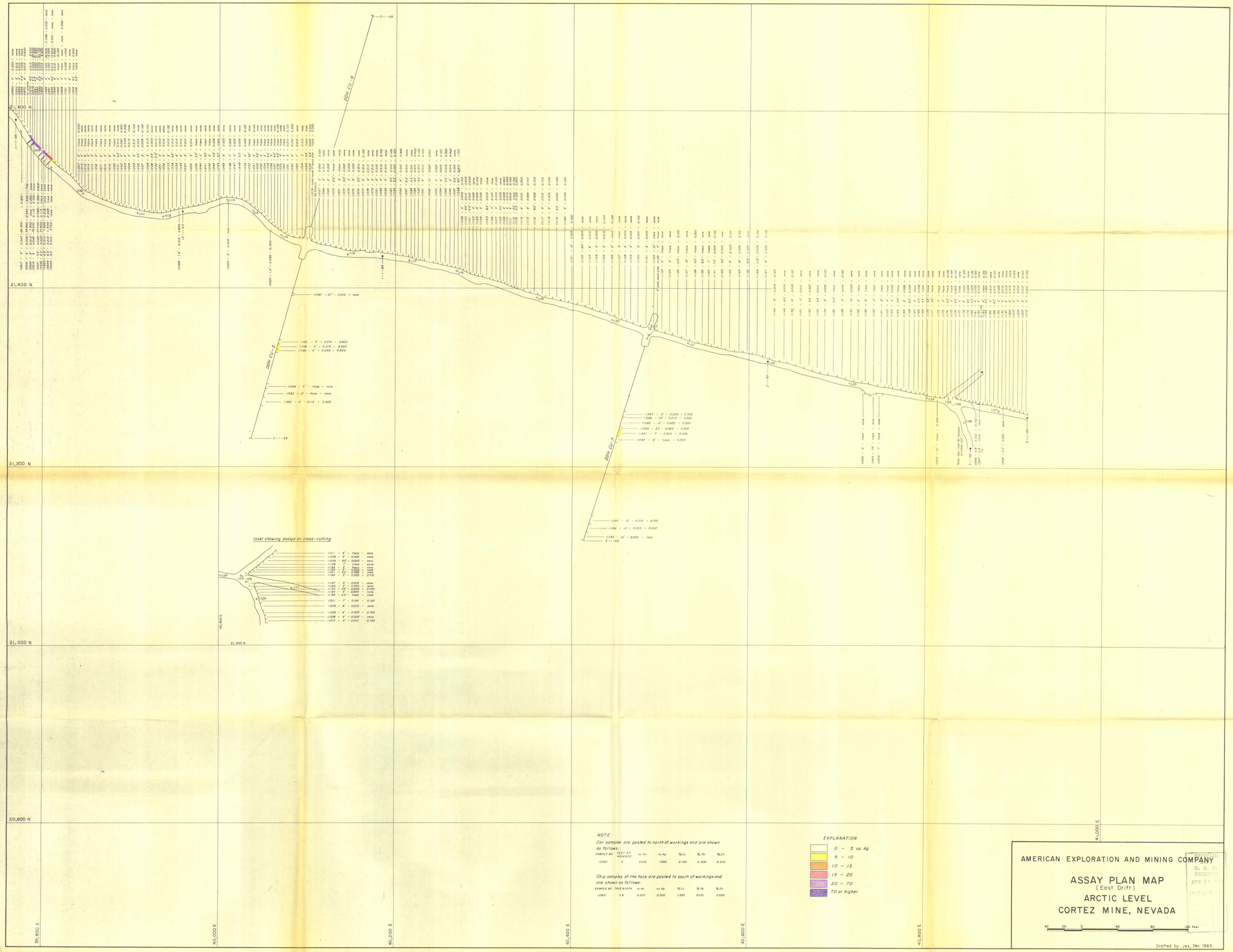
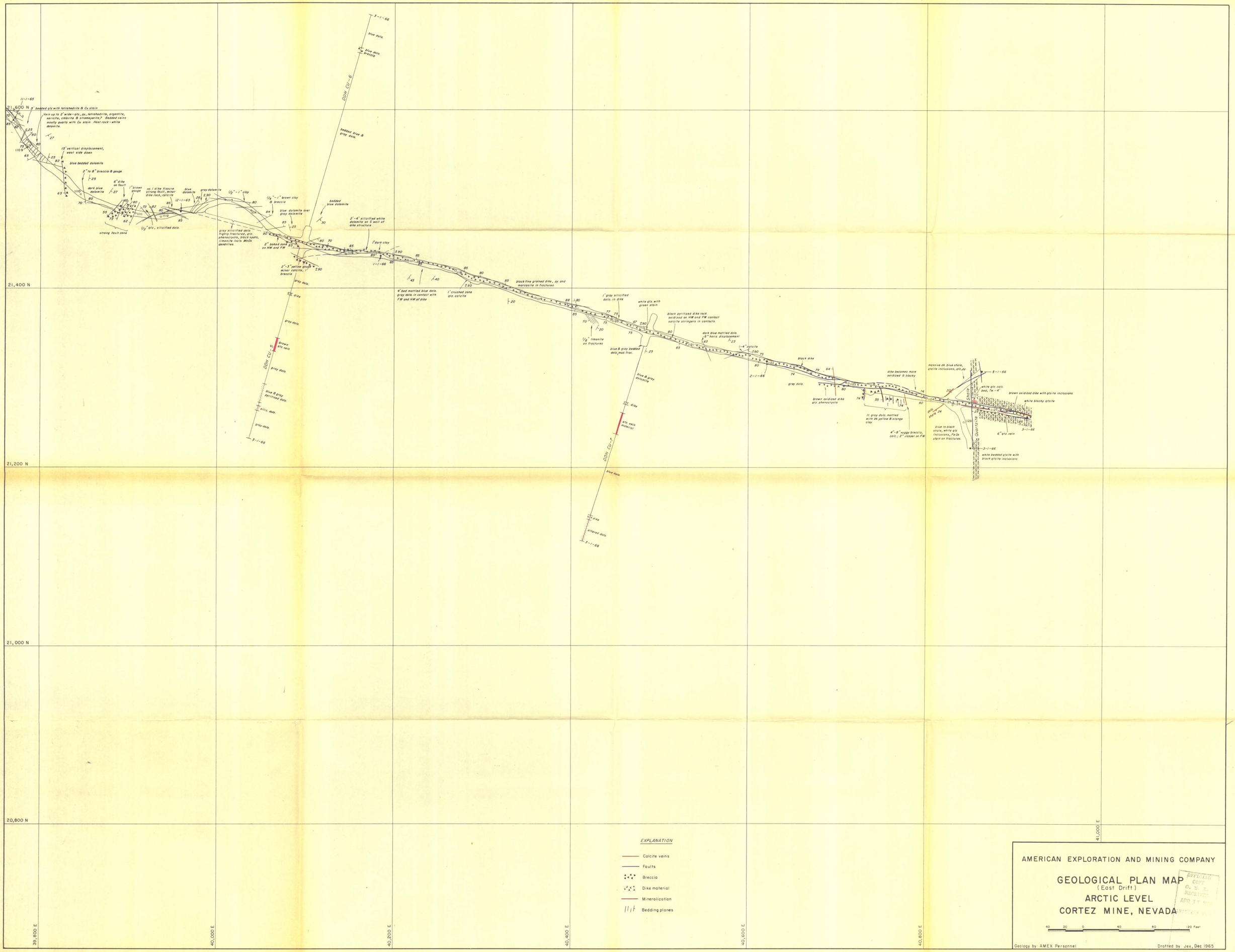
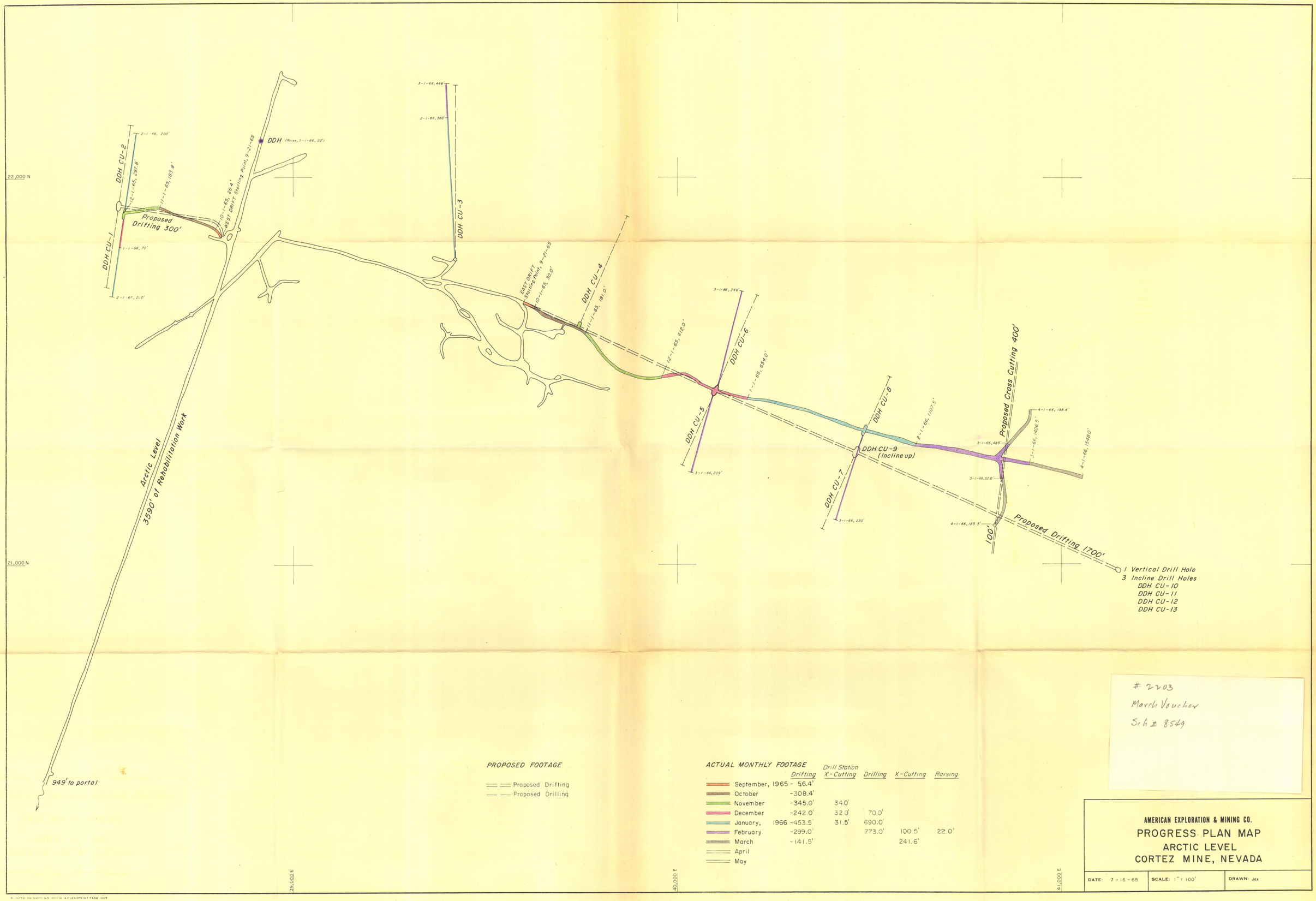

21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
DDH CU-5
DDH CU-6
DDH CU-7
Inset showing assays on cross-cutting
NOTE:
Car samples are posted to north of workings and are shown as follows:
SAMPLE NO. | FEET OF ADVANCE | oz Au | oz Ag | %Cu | %Pb | %Zn
10901 | 5 | 0.010 | 1.000 | 0.100 | 0.200 | 0.010
Chip samples of the face are posted to south of workings and are shown as follows:
SAMPLE NO. | TRUE WIDTH | oz Au | oz Ag | %Cu | %Pb | %Zn
10901 | 3.6 | 0.010 | 2.000 | 1.000 | 0.010 | 0.020
EXPLANATION
0 - 5 oz. Ag
5 - 10
10 - 15
15 - 20
20 - 70
70 or higher
AMERICAN EXPLORATION AND MINING COMPANY
ASSAY PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Drafted by Jex, Dec 1965


21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
DDH CU-6
DDH CU-5
DDH CU-7
11-1-65
3" bedded qtz with tetrahedrite & Cu stain
vein up to 2' wide-qtz., py., tetrahedrite, argentite, sericite, chlorite & stromeyerite? Bedded veins mostly quartz with Cu stain. Host rock-white dolomite.
15' vertical displacement, west side down
blue bedded dolomite
2" to 8" breccia & gouge
6" dike on fault
1' brown gouge
dark blue dolomite
strong fault zone
no. 1 dike fissure strong fault, minor dike rock, calcite
blue dolomite
gray dolomite
12-1-65
1/2"-1" clay
1/2" qtz., silicified dolo.
1/8"-1" brown clay & breccia
blue dolomite over gray dolomite
gray silicified dolo. highly fractured, qtz. phenocrysts, black spots, limonite incls. MnOx dendrites.
2" baked zone on HW and FW
2'-3' yellow gouge minor calcite, breccia
bedded blue & gray dolo.
bedded blue dolomite
2'-4' silicified white dolomite on 3 wall of dike structure
1' dark clay
1-1-66
4' bed mottled blue dolo. gray dolo. in contact with FW and HW of dike
1' crushed zone qtz. calcite
black fine grained dike, py. and marcasite in fractures
1' gray silicified dolo. in dike
white qtz. with green stain
black pyritized dike rock oxidized on HW and FW contact calcite stringers in contacts.
1/8" limonite on fractures
blue & gray bedded dolo. mod. frac.
dark blue mottled dolo. 6" horiz. displacement
1-4" calcite
2-1-66
black dike
gray dolo.
brown oxidized dike qtz. phenocrysts
dike becomes more oxidized & blocky
11. gray dolo. mottled with ok. yellow & orange clay
4"-8" vuggy breccia, calc.; 2" Jasper on FW
massive dk. blue shale, qtzite inclusions, qtz. py.
3-1-66
white qtz. calc. bed, 1w-4'
brown oxidized dike with qtzite inclusions
white blocky qtzite
SHALE
QUARTZITE
dolo. shale-24
blue to black shale, white qtz. inclusions, Fe Ox stain on fractures.
6" qtz. vein
white bedded qtzite with black qtzite inclusions
brown qtz. vein
blue & gray pyritized dolo.
silic. dolo.
blue & gray dolomite
qtz. vein material
altered dolo.
EXPLANATION
Calcite veins
Faults
Breccia
Dike material
Mineralization
Bedding planes
AMERICAN EXPLORATION AND MINING COMPANY
GEOLOGICAL PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Geology by AMEX Personnel
Drafted by Jex, Dec 1965
OPERATING COPY
APR 27



ACTUAL MONTHLY FOOTAGE

	Drifting	Drill Station X-Cutting	Drilling	X-Cutting	Raising
September, 1965	- 56.4'				
October	-308.4'				
November	-345.0'	34.0'			
December	-242.0'	32.0'	70.0'		
January, 1966	-453.5'	31.5'	690.0'		
February	-299.0'		773.0'	100.5'	22.0'
March	-141.5'			241.6'	
April					
May					

2203
March Voucher
Sch # 8549

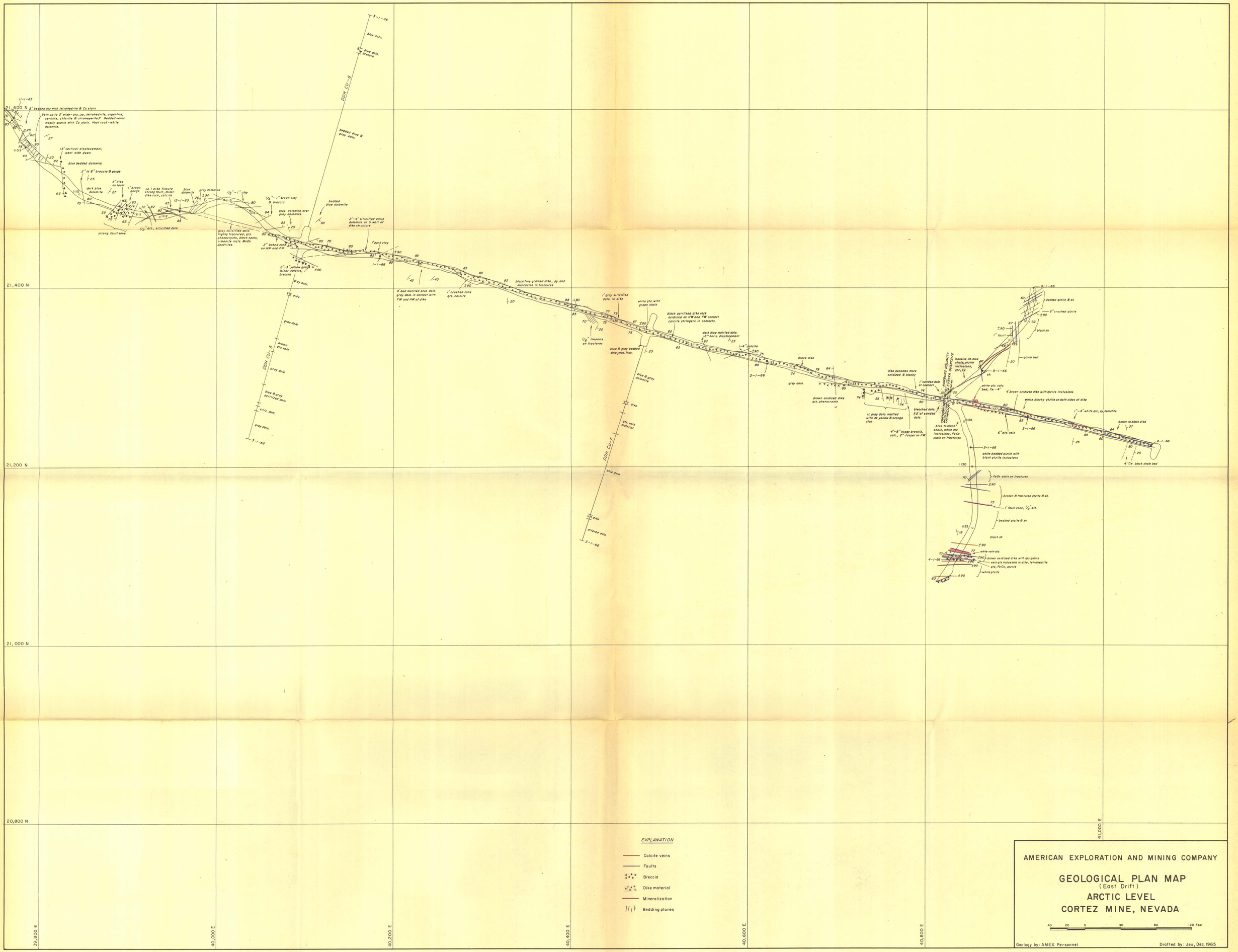
AMERICAN EXPLORATION & MINING CO.

PROGRESS PLAN MAP
ARCTIC LEVEL
CORTEZ MINE, NEVADA

DATE: 7-16-65	SCALE: 1" = 100'	DRAWN: Jex

PRINTED ON DIETZ NO. 10 KWN-A CLEARPRINT FADE-OUT

21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
DDH CU-6
DDH CU-5
DDH CU-7
Inset showing assays on cross-cutting
NOTE See inset for assays on cross-cut
NOTE:
Car samples are posted to north of workings and are shown as follows:
SAMPLE NO FEET OF ADVANCE oz Au oz Ag %Cu %Pb %Zn
10801 5 0.010 1.000 0.100 0.200 0.010
Chip samples of the face are posted to south of workings and are shown as follows:
SAMPLE NO TRUEWIDTH oz Au oz Ag %Cu %Pb %Zn
10901 3.6 0.010 2.000 1.000 0.010 0.020
EXPLANATION
0 - 5 oz Ag
5 - 10
10 - 15
15 - 20
20 - 70
70 or higher
AMERICAN EXPLORATION AND MINING COMPANY
ASSAY PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Drafted by Jex, Dec. 1965



EXPLANATION

- Calcite veins
- Faults
- Breccia
- Dike material
- Mineralization
- Bedding planes

AMERICAN EXPLORATION AND MINING COMPANY

GEOLOGICAL PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA

40 20 0 40 80 120 Feet

Geology by: AMEX Personnel

Drafted by: Jex, Dec. 1965

PROPOSED FOOTAGE

Proposed Drifting

Proposed Drilling

ACTUAL MONTHLY FOOTAGE

	Drifting	Drill Station X-Cutting	Drilling	X-Cutting	Raising	Total
September, 1965	- 56.4'					
October	-308.4'					
November	-345.0'	34.0'				
December	-242.0'	32.0'	70.0'			
January, 1966	-453.5'	31.5'	690.0'			
February	-299.0'		773.0'	100.5'	22.0'	
March	-141.5'			241.6'		383.1
April						
May						

AMERICAN EXPLORATION & MINING CO.

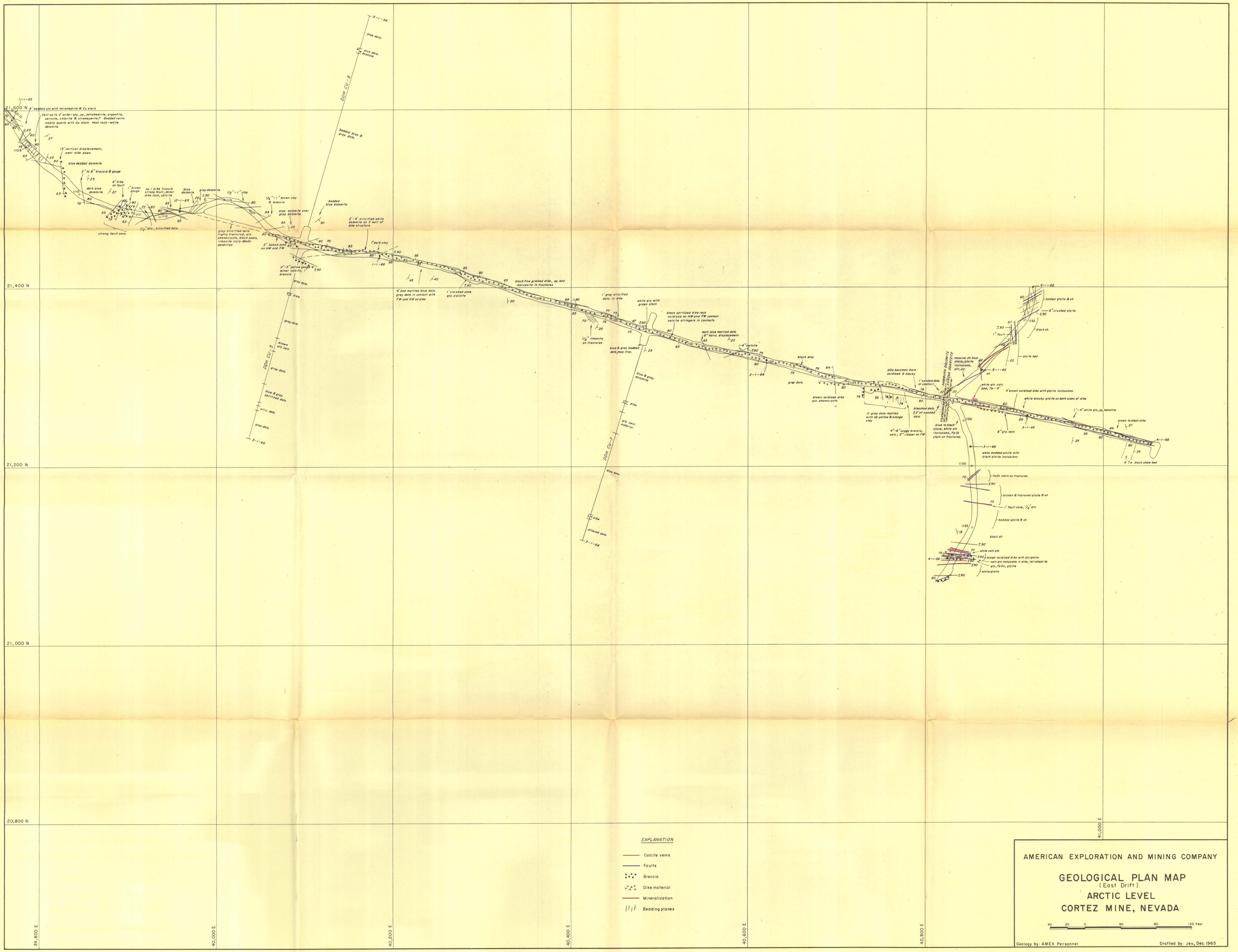
PROGRESS PLAN MAP

ARCTIC LEVEL

CORTEZ MINE, NEVADA

DATE: 7-16-65	SCALE: 1" = 100'	DRAWN: Jex

1403
March 1969
Sch # 8549


21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
DDH CU-6
DDH CU-5
DDH CU-7
11-1-65
3' bedded qtz with tetrahedrite & Cu stain
Vein up to 2' wide-qtz., py., tetrahedrite, argenite, sericite, chlorite & stromeyerite? Bedded veins mostly quartz with Cu stain. Host rock-white dolomite.
15' vertical displacement, west side down
blue bedded dolomite
2" to 8" breccia & gouge
6" dike on fault
dark blue dolomite
1" brown gouge
no. 1 dike fissure strong fault, minor dike rock, calcite
12-1-65
blue dolomite
gray dolomite
1/2"-1" clay
1/4"-1" brown clay & breccia
blue dolomite over gray dolomite
strong fault zone
1/2" qtz., silicified dolo.
gray silicified dolo. highly fractured, qtz. phenocrysts, black spots, limonite incls. MnO2 dendrites.
2" baked zone on HW and FW
2"-3" yellow gouge minor calcite, 1" breccia
gray dolo.
bedded blue dolomite
2"-4' silicified white dolomite on 2' wall of dike structure
1' dark clay
1-1-66
dike
gray dolo.
brown qtz. vein
blue & gray silicified dolo.
silic. dolo.
3-1-66
bedded blue & gray dolo.
4' bed mottled blue dolo. gray dolo. in contact with FW and HW of dike
1' crushed zone qtz. calcite
black fine grained dike, py. and marcasite in fractures
1' gray silicified dolo. in dike
white qtz. with green stain
black pyritized dike rock oxidized on HW and FW contact calcite stringers in contacts.
1/8" limonite on fractures
blue & grey bedded dolo. mod. frac.
blue & gray dolomite
qtz. vein material
dark blue mottled dolo. 6" horiz. displacement
1-4-66 calcite
2-1-66
black dike
gray dolo.
brown oxidized dike qtz. phenocrysts
dike becomes more oxidized & blocky
1' sanded dolo. at contact
11' gray dolo. mottled with ok. yellow & orange clay
bleached dolo. 2-3' of sanded dolo.
4"-8" vuggy breccia, calc.; 2" Jasper on FW
massive ok. blue shale, qtzite inclusions, qtz., py.
MAINLINE DOLOMITE
ARCTIC QUARTZITE
blue to black shale, white qtz inclusions, Fe Ox stain on fractures.
white qtz. calc. bed, 1x-4'
4' brown oxidized dike with qtzite inclusions.
white blocky qtzite on both sides of dike
6" qtz. vein
3-1-66
1"-4" white qtz., py., hematite
brown to black dike
4-1-66
4' T.W. black shale bed
bedded qtzite & sh.
6" crushed qtzite
black sh.
1" fault
qtzite bed
sh.
3-1-66
white bedded qtzite with black qtzite inclusions
1130
Fe Ox stain on fractures
broken & fractured qtzite & sh.
1' fault zone, 1/4" qtz.
bedded qtzite & sh.
1133
black sh.
white vein qtz.
brown oxidized dike with qtz grains
vein qtz inclusions in dike, tetrahedrite
qtz, Fe Ox, qtzite
white qtzite
4-1-66
EXPLANATION
Calcite veins
Faults
Breccia
Dike material
Mineralization
Bedding planes
AMERICAN EXPLORATION AND MINING COMPANY
GEOLOGICAL PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Geology by: AMEX Personnel
Drafted by: Jex, Dec. 1965

NOTE:

Car samples are posted to north of workings and are shown as follows:

SAMPLE NO	FEET OF ADVANCE	oz Au	oz Ag	% Cu	% Pb	% Zn
10801	5	0.010	1.000	0.100	0.200	0.010

Chip samples of the face are posted to south of workings and are shown as follows:

SAMPLE NO	TRUE WIDTH	oz Au	oz Ag	% Cu	% Pb	% Zn
10901	3.6	0.010	2.000	1.000	0.010	0.020

EXPLANATION

- 0 - 5 oz. Ag
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 70
- 70 or higher

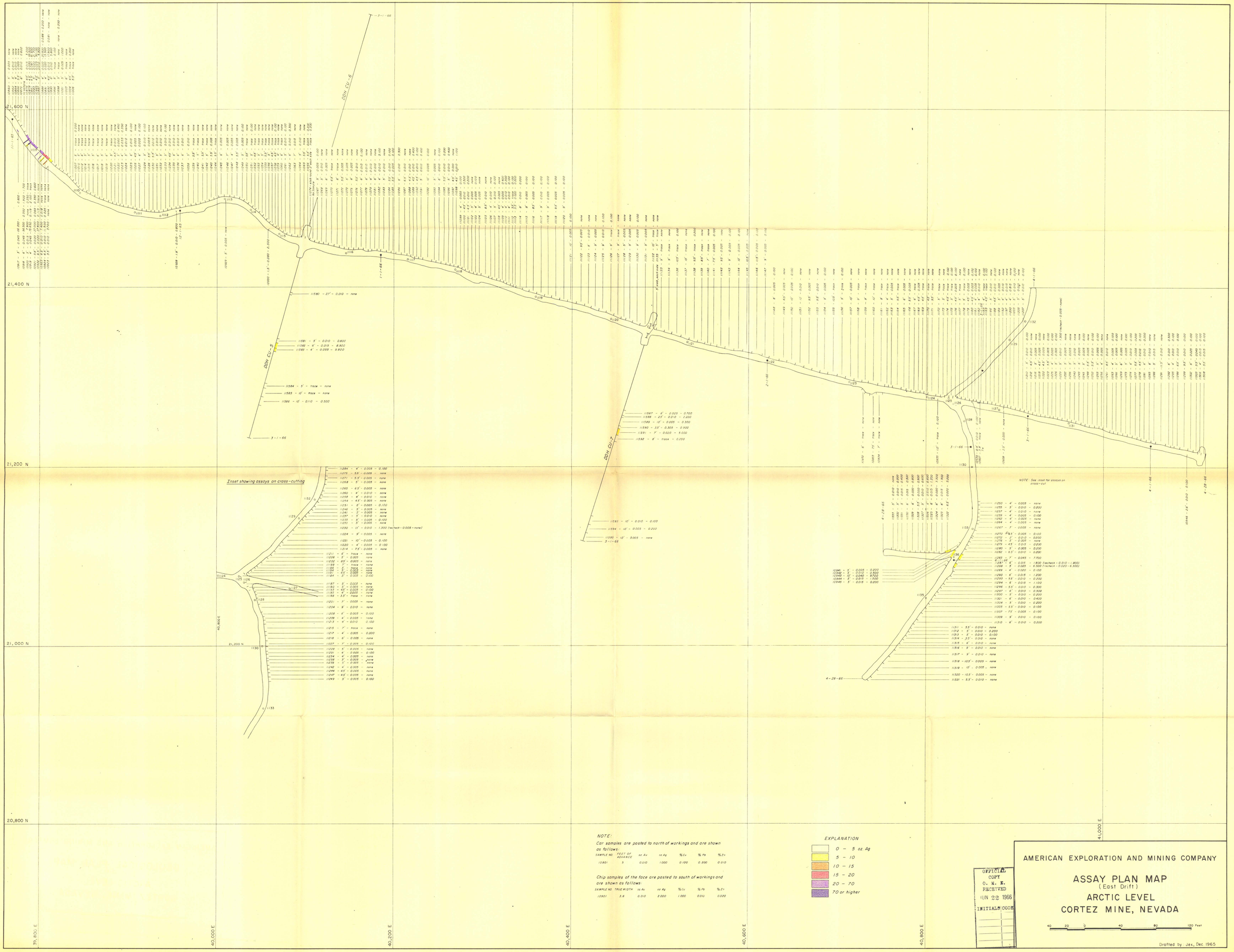
AMERICAN EXPLORATION AND MINING COMPANY

ASSAY PLAN MAP
(East Drift)

ARCTIC LEVEL
CORTEZ MINE, NEVADA

40 20 0 40 80 120 Feet

Drafted by: Jex, Dec. 1965


21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
DDH CU-5
DDH CU-6
DDH CU-7
Inset showing assays on cross-cutting
NOTE: See inset for assays on cross-cut
NOTE:
Car samples are posted to north of workings and are shown as follows:
SAMPLE NO. | FEET OF ADVANCE | oz Au | oz Ag | %Cu | %Pb | %Zn
10901 | 5 | 0.010 | 1.000 | 0.100 | 0.200 | 0.010
Chip samples of the face are posted to south of workings and are shown as follows:
SAMPLE NO. | TRUE WIDTH | oz Au | oz Ag | %Cu | %Pb | %Zn
10901 | 3.6 | 0.010 | 2.000 | 1.000 | 0.010 | 0.020
EXPLANATION
0 - 5 oz. Ag
5 - 10
10 - 15
15 - 20
20 - 70
70 or higher
OFFICIAL COPY
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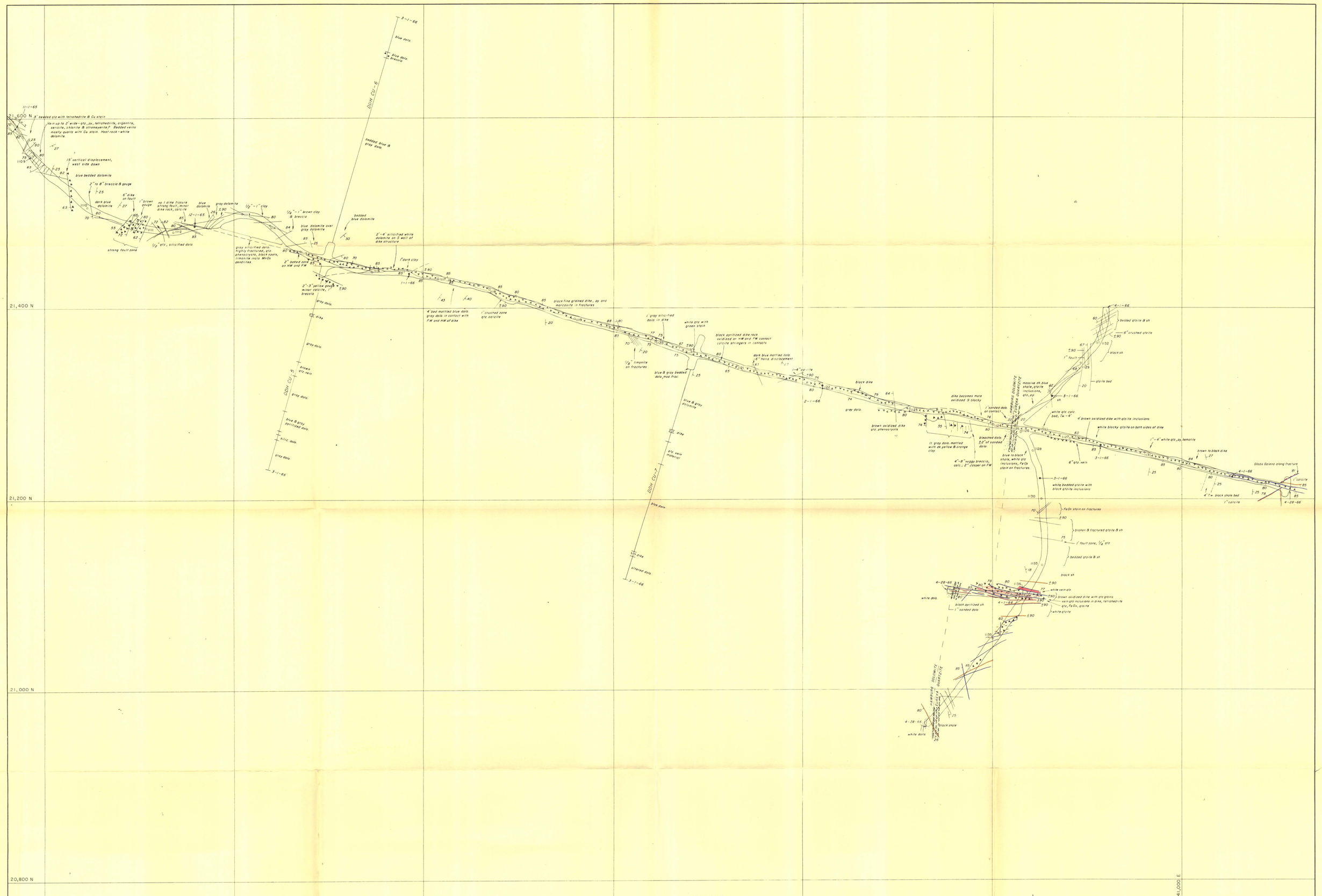
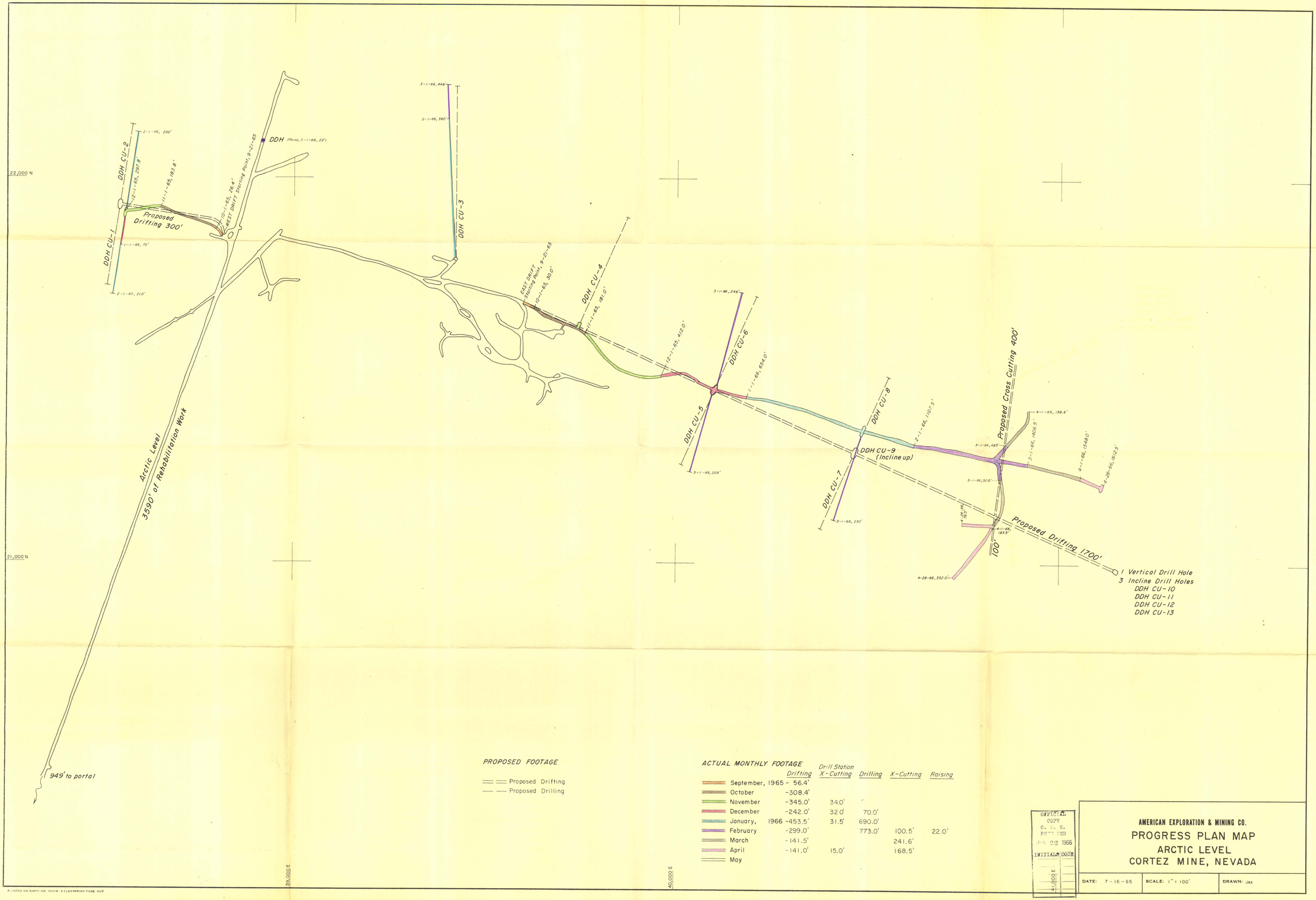
JUN 22 1966
INITIALS CODE
AMERICAN EXPLORATION AND MINING COMPANY
ASSAY PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Drafted by: Jex, Dec 1965


21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
11-1-65
3' bedded qtz with tetrahedrite & Cu stain
Vein up to 2' wide-qtz, py, tetrahedrite, argentite, sericite, chlorite & stromeyerite? Bedded veins mostly quartz with Cu stain. Host rock-white dolomite.
15' vertical displacement, west side down
blue bedded dolomite
2" to 8" breccia & gouge
dark blue dolomite
6" dike on fault
1" brown gouge
no. 1 dike fissure strong fault, minor dike rock, calcite
blue dolomite
gray dolomite
12-1-65
1/2"-1" clay
1/8"-1" brown clay & breccia
blue dolomite over gray dolomite
1/8" qtz., silicified dolo.
strong fault zone
gray silicified dolo highly fractured, qtz. phenocrysts, black spots, limonite incls. MnOx dendrites.
2" baked zone on HW and FW
2"-3" yellow gouge minor calcite, 1" breccia
gray dolo.
DDH CU-5
DDH CU-6
DDH CU-7
3-1-66
blue dolo.
blue dolo. breccia
bedded blue & gray dolo.
bedded blue dolomite
2'-4' silicified white dolomite on S wall of dike structure
dark clay
1-1-66
4' bed mottled blue dolo gray dolo. in contact with FW and HW of dike
1" crushed zone qtz. calcite
black fine grained dike, py and marcasite in fractures
1/8" limonite on fractures
1' gray silicified dolo. in dike
white qtz. with green stain
black pyritized dike rock oxidized on HW and FW contact calcite stringers in contacts
dark blue mottled dolo. 6" horiz. displacement
1-4" calcite
2-1-66
blue & gray bedded dolo. mod. frac.
blue & gray dolomite
dike
gray vein material
altered dolo.
black dike
gray dolo.
brown oxidized dike qtz. phenocrysts
dike becomes more oxidized & blocky
1' sanded dolo. on contact
11' gray dolo. mottled with dk. yellow & orange clay
4'-8' vuggy breccia, calc., 2" Jasper on FW
bleached dolo. 2-3' of sanded dolo.
blue to black shale, white qtz inclusions, Fe Ox stain on fractures.
massive dk blue shale, qtzite inclusions, qtz, py
3-1-66
sh
white qtz. calc. bed, Tw-4'
4' brown oxidized dike with qtzite inclusions.
white blocky qtzite on both sides of dike
1"-4" white qtz, py, hematite
brown to black dike
6" qtz vein
4-1-66
bedded qtzite & sh
6" crushed qtzite
black sh
1" fault
qtzite bed
Globs Galena along fracture
1" calcite
4' Tw black shale bed
1" calcite
4-28-66
FeOx stain on fractures
broken & fractured qtzite & sh
1' fault zone, 1/4" qtz
bedded qtzite & sh
black sh
white vein qtz
brown oxidized dike with qtz grains
veins qtz inclusions in dike, tetrahedrite
qtz, FeOx, qtzite
white qtzite
black pyritized sh
1' sanded dolo
white dolo.
HAMBURG DOLOMITE
HAMBURG QUARTZITE
black shale
EXPLANATION
Calcite veins
Faults
Breccia
Dike material
Mineralization
Bedding planes
OFFICIAL COPY
O. N. E.
RECEIVED
JUN 22 1966
INITIALS CODE
AMERICAN EXPLORATION AND MINING COMPANY
GEOLOGICAL PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Geology by: AMEX Personnel
Drafted by: Jex, Dec. 1965



PROPOSED FOOTAGE

Proposed Drifting

Proposed Drilling

ACTUAL MONTHLY FOOTAGE

	Drifting	Drill Station X-Cutting	Drilling	X-Cutting	Raising
September, 1965	- 56.4'				
October	-308.4'				
November	-345.0'	34.0'			
December	-242.0'	32.0'	70.0'		
January, 1966	-453.5'	31.5'	690.0'		
February	-299.0'		773.0'	100.5'	22.0'
March	-141.5'			241.6'	
April	-141.0'	15.0'		168.5'	
May					

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JUN 22 1966
INITIALS CODE

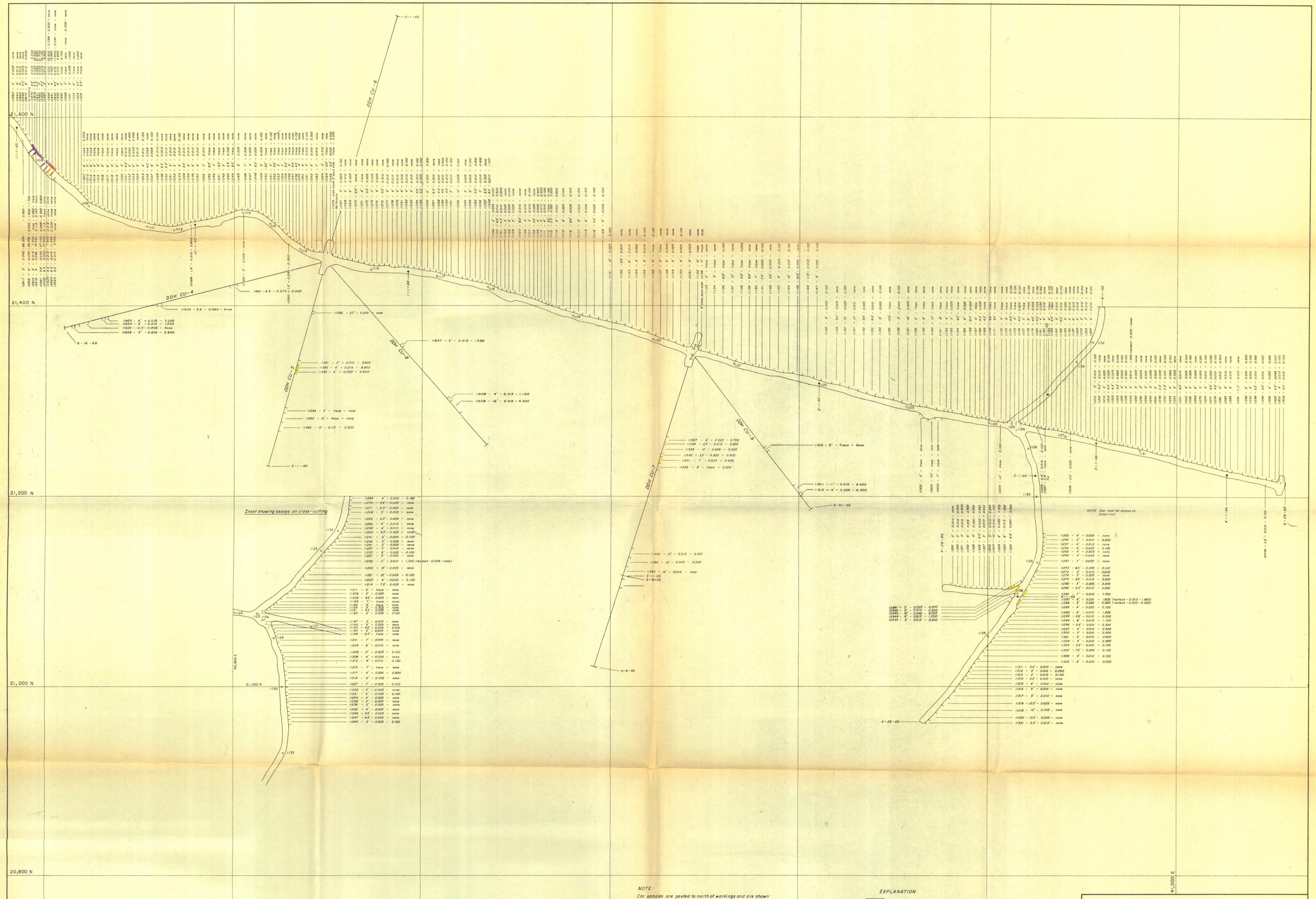
AMERICAN EXPLORATION & MINING CO.

PROGRESS PLAN MAP
ARCTIC LEVEL
CORTEZ MINE, NEVADA

DATE: 7-16-65 | SCALE: 1" = 100' | DRAWN: Jex

PRINTED ON DIEPHO NO. 100KW & CLEARPRINT FADE-OUT

21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
DDH CU-4
DDH CU-5
DDH CU-6
DDH CU-7
DDH CU-8
DDH CU-9
Inset showing assays on cross-cutting
NOTE: See inset for assays on cross-cut
NOTE:
Car samples are posted to north of workings and are shown as follows:
SAMPLE NO. FEET OF ADVANCE oz Au oz Ag % Cu % Pb % Zn
10901 5 0.010 1.000 0.100 0.200 0.010
Chip samples of the face are posted to south of workings and are shown as follows:
SAMPLE NO. TRUE WIDTH oz Au oz Ag % Cu % Pb % Zn
10901 3.6 0.010 2.000 1.000 0.010 0.020
EXPLANATION
0 - 5 oz. Ag
5 - 10
10 - 15
15 - 20
20 - 70
70 or higher
AMERICAN EXPLORATION AND MINING COMPANY
ASSAY PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Drafted by: Jex, Dec. 1965


21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
DDH CU-4
DDH CU-5
DDH CU-6
DDH CU-7
DDH CU-8
DDH CU-9
Inset showing assays on cross-cutting
NOTE: See inset for assays on cross-cut.
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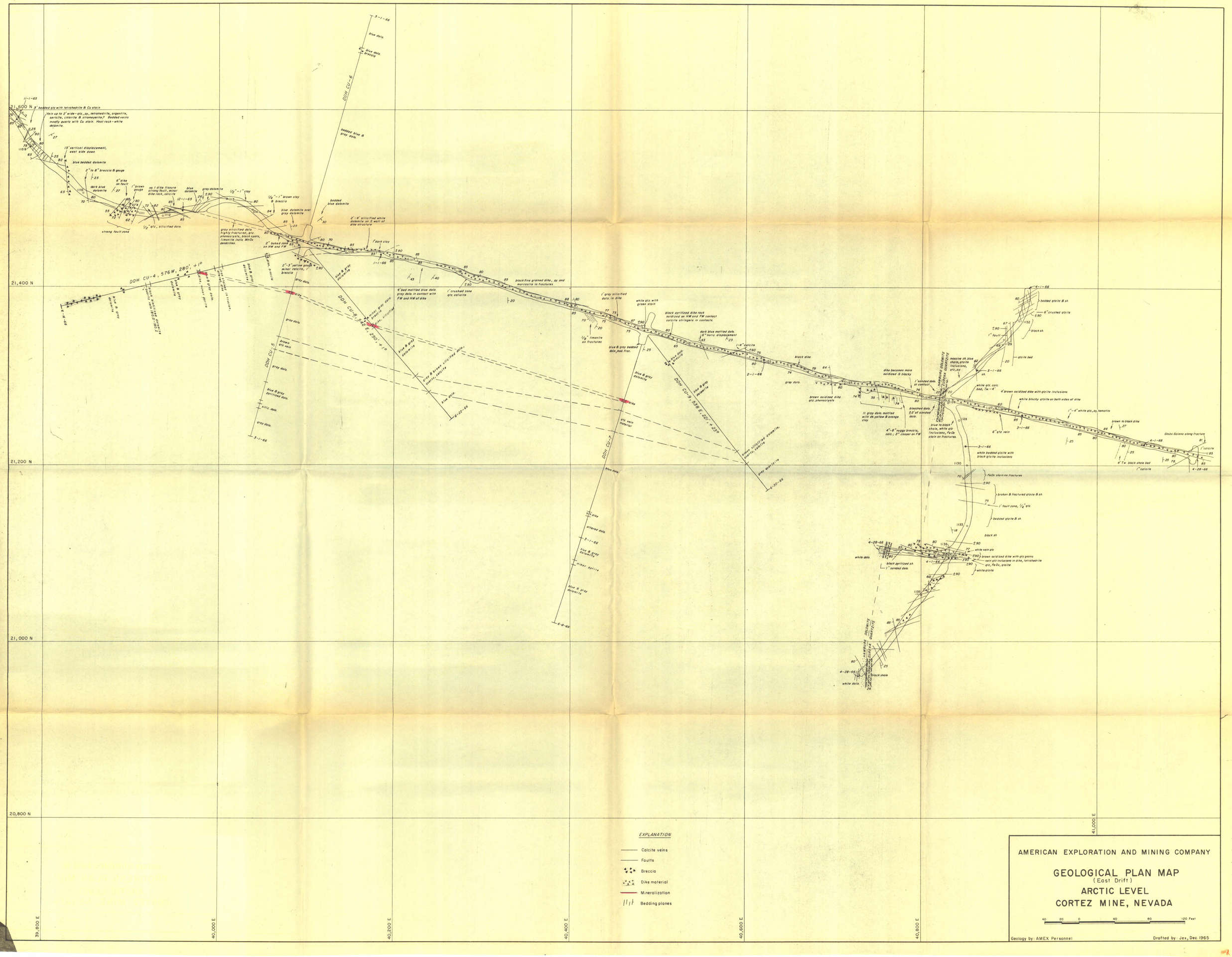
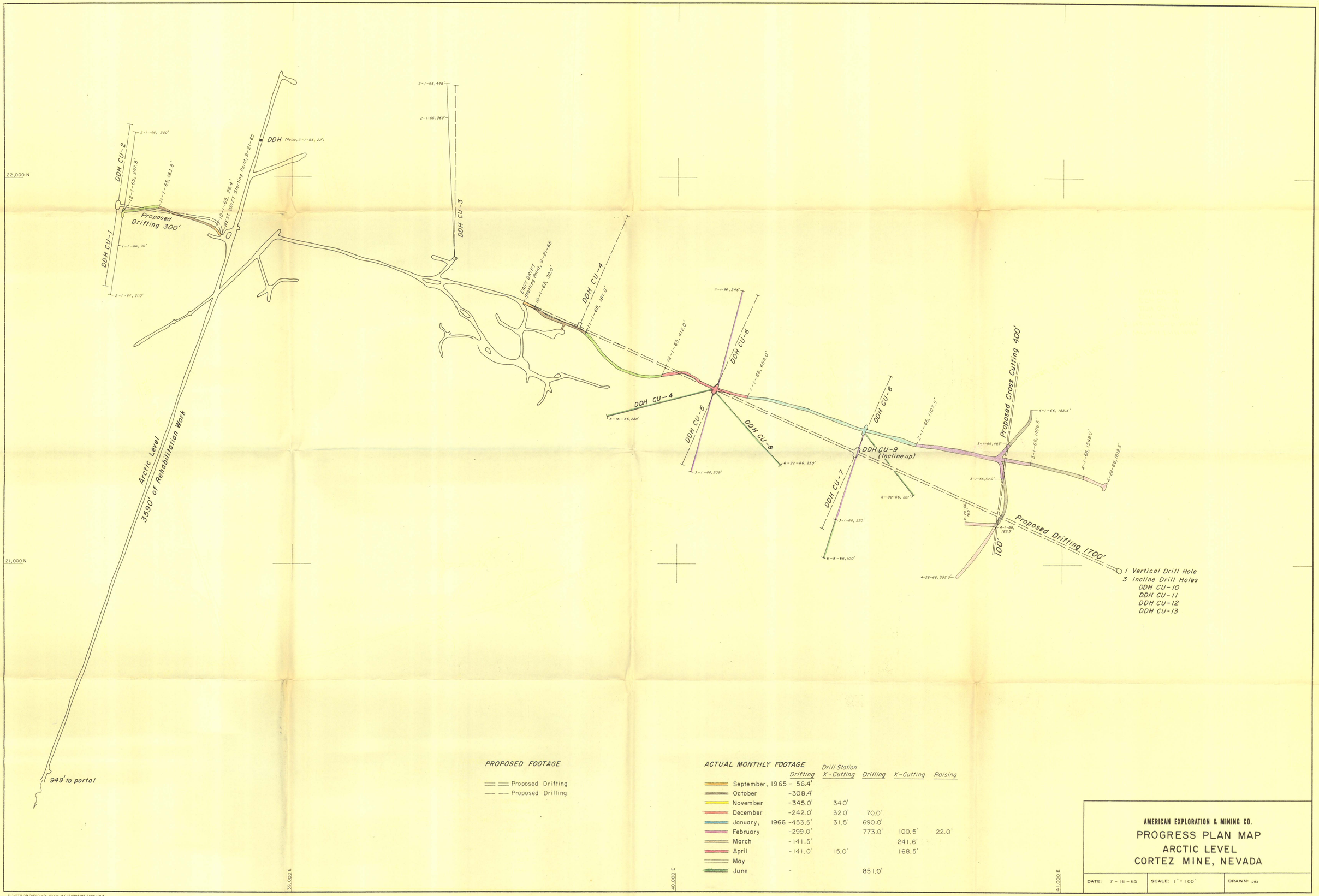
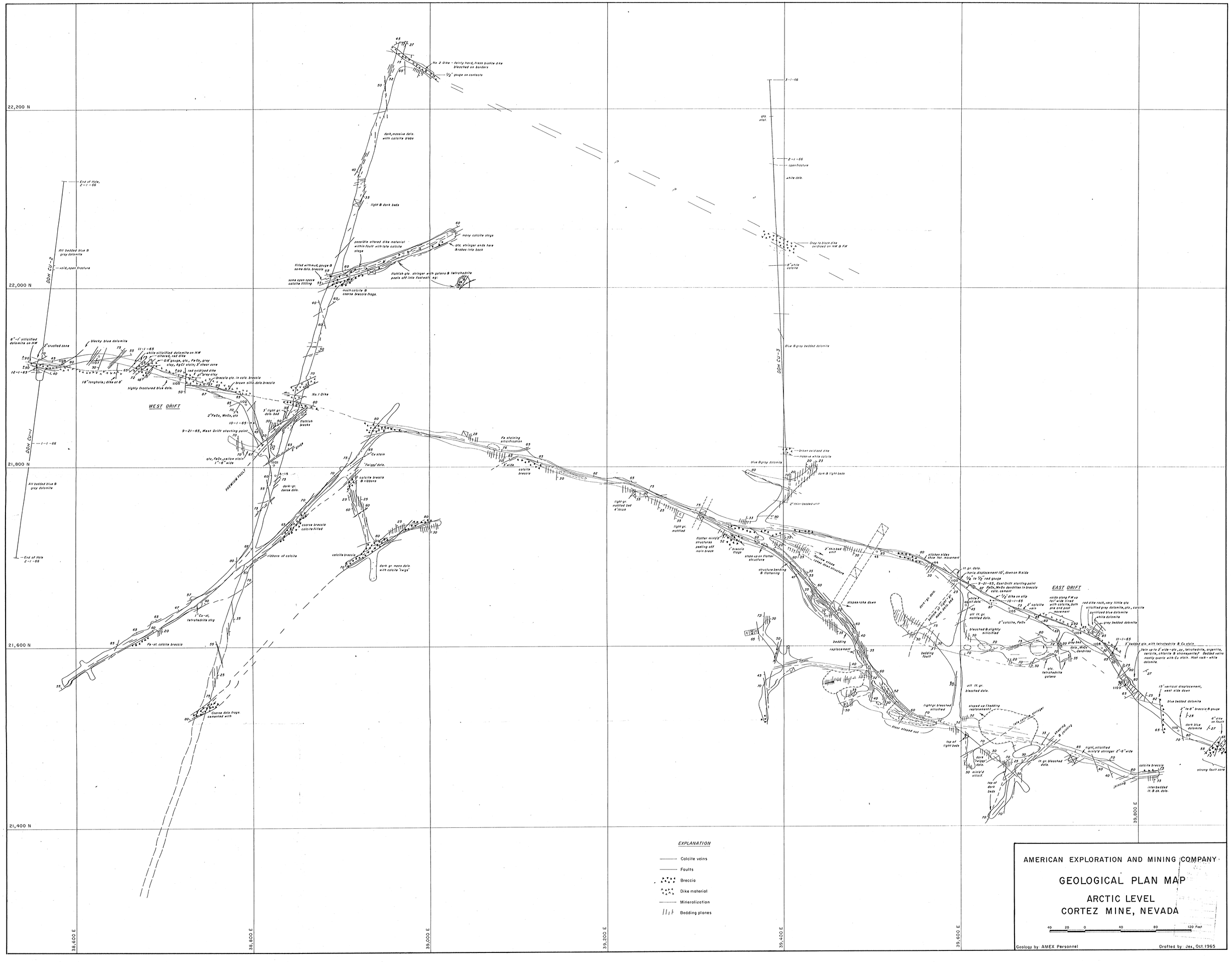
SAMPLE NO. | FEET OF ADVANCE | oz. Au | oz. Ag | % Cu | % Pb | % Zn
10901 | 5 | 0.010 | 1.000 | 0.100 | 0.200 | 0.010
Chip samples of the face are posted to south of workings and are shown as follows:
SAMPLE NO. | TRUE WIDTH | oz. Au | oz. Ag | % Cu | % Pb | % Zn
10901 | 3.6 | 0.010 | 2.000 | 1.000 | 0.010 | 0.020
EXPLANATION
0 - 5 oz. Ag
5 - 10
10 - 15
15 - 20
20 - 70
70 or higher
AMERICAN EXPLORATION AND MINING COMPANY
ASSAY PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Drafted by: Jex, Dec. 1965


21,600 N
21,400 N
21,200 N
21,000 N
20,800 N
39,800 E
40,000 E
40,200 E
40,400 E
40,600 E
40,800 E
41,000 E
DDH CU-4, 576W, 280', +10
DDH CU-6
DDH CU-7
DDH CU-8, 542 E, 320', +10
DDH CU-9, 538 E, 220', +230
EXPLANATION
Calcite veins
Faults
Breccia
Dike material
Mineralization
Bedding planes
AMERICAN EXPLORATION AND MINING COMPANY
GEOLOGICAL PLAN MAP
(East Drift)
ARCTIC LEVEL
CORTEZ MINE, NEVADA
Geology by: AMEX Personnel
Drafted by: Jex, Dec. 1965


22,000 N
21,000 N
39,000 E
40,000 E
41,000 E
DDH CU-1
DDH CU-2
DDH CU-3
DDH CU-4
DDH CU-5
DDH CU-6
DDH CU-7
DDH CU-8
DDH CU-9 (Incline up)
Proposed Drifting 300'
Proposed Drifting 1700'
Proposed Cross Cutting 400'
Arctic Level
3590' of Rehabilitation Work
949' to portal
DDH (Raise, 3-1-66, 22')
EAST DRIFT, Starting Point, 9-21-65
WEST DRIFT, Starting Point, 9-21-65
1 Vertical Drill Hole
3 Incline Drill Holes
DDH CU-10
DDH CU-11
DDH CU-12
DDH CU-13
PROPOSED FOOTAGE
Proposed Drifting
Proposed Drilling
ACTUAL MONTHLY FOOTAGE
Drifting
Drill Station X-Cutting
Drilling
X-Cutting
Raising
September, 1965 - 56.4'
October -308.4'
November -345.0' 34.0'
December -242.0' 32.0' 70.0'
January, 1966 -453.5' 31.5' 690.0'
February -299.0' 773.0' 100.5' 22.0'
March -141.5' 241.6'
April -141.0' 15.0' 168.5'
May
June - 851.0'
AMERICAN EXPLORATION & MINING CO.
PROGRESS PLAN MAP
ARCTIC LEVEL
CORTEZ MINE, NEVADA
DATE: 7-16-65
SCALE: 1" = 100'
DRAWN: Jex


22,200 N
22,000 N
21,800 N
21,600 N
21,400 N
38,600 E
38,800 E
39,000 E
39,200 E
39,400 E
39,600 E
39,800 E
WEST DRIFT
EAST DRIFT
DDH CU-1
DDH CU-2
DDH CU-3
PREMIUM FAULT
No. 2 Dike - fairly hard, fresh biotite dike bleached on borders
No. 1 Dike
End of Hole, 2-1-66
End of Hole 2-1-66
All bedded blue & gray dolomite
void, open fracture
blocky blue dolomite
6"-1' silicified dolomite on HW
8" crushed zone
12-1-65
11-1-65
white silicified dolomite on HW altered, red dike
0.8' gouge, qtz., FeOx, gray clay, AgCl stain; 3' shear zone
red oxidized dike
2' gray clay
18" longhole; dike at 8'
highly fractured blue dolo.
breccia qtz. in calc. breccia
brown silic. dolo. breccia
2" FeOx, MnOx, qtz
10-1-65
9-21-65, West Drift starting point
qtz, FeOx, yellow stain 1'-6" wide
2" gouge
flattish breaks
5' light gr. dolo. bed
Cu stain
'twigs' dolo.
calcite breccia & ribbons
dark-gr. dense dolo.
coarse breccia calcite filled
ribbons of calcite
calcite breccia
dark gr. mass dolo with calcite 'twigs'
1'-Cu-st. tetrahedrite strg
Fe-st. calcite breccia
coarse dolo. frags. cemented with
dark, massive dolo. with calcite blebs
light & dark beds
many calcite strgs
qtz. stringer ends here & breaks into back
possible altered dike material within fault with late calcite stage
filled with mud, gouge & some dolo. breccia
some open space calcite filling
much calcite & coarse breccia frags.
flattish qtz. stringer with galena & tetrahedrite peels off into footwall wg.
Fe staining silicification
calcite breccia
light gr. mottled bed 4' thick
light gr. mottled
flatter minl'd structures peeling off main break
1' breccia frags
stope up on flatter structure
structure bending & flattening
2' thinned unit
Narrow stope follows down structure
stopes broke down
bedding replacement
bedding fault
slicken sides blue hor. movement
lt. gr. dolo. - horiz. displacement 10', down on N side
1/4 to 1/2" red gouge
9-21-65, East Drift starting point
qtz, FeOx, MnOx dendrites in breccia calc. cement
1/2" dike on slip 10-1-65
2" calcite vein
2" calcite, FeOx
all lt. gr. mottled dolo.
bleached & slightly silicified
voids along F.W. up 1st 4' wide lined with calcite, both ore and post movement
red dike rock, very little qtz. silicified gray dolomite, qtz., calcite
pyritized blue dolomite
white dolomite
gray bedded dolomite
11-1-65
3' bedded qtz. with tetrahedrite & Cu stain.
Vein up to 2' wide - qtz., py, tetrahedrite, argentite, sericite, chlorite & stromeyerite? Bedded veins mostly quartz with Cu stain. Host rock - white dolomite.
dolo. MnOx dendrites
qtz. tetrahedrite galena
all lt. gr. bleached dolo.
stoped up f bedding replacement
lt. gr. bleached silicified
thin stoped out
top of light beds
dark 'twigs' dolo.
50 minl'd silicif.
top of dark beds
lt. gr. bleached dolo.
light, silicified minl'd stringer 2'-6" wide
calcite breccia
jointing
interbedded lt. & dk. dolo.
strong fault zone
15" vertical displacement, west side down
blue bedded dolomite
2" to 8" breccia & gouge
dark blue dolomite
6" dike on fault
Only to block dike oxidized on HW & FW
8" white calcite
3-1-66
qtz stgr.
2-1-66
open fracture
white dolo.
Blue & gray bedded dolomite
brown oxidized dike
massive white calcite
blue & gray dolomite
dark & light beds
2' thin-bedded unit
EXPLANATION
Calcite veins
Faults
Breccia
Dike material
Mineralization
Bedding planes
AMERICAN EXPLORATION AND MINING COMPANY
GEOLOGICAL PLAN MAP
ARCTIC LEVEL
CORTEZ MINE, NEVADA
40 20 0 40 80 120 Feet
Geology by: AMEX Personnel
Drafted by: Jex, Oct. 1965