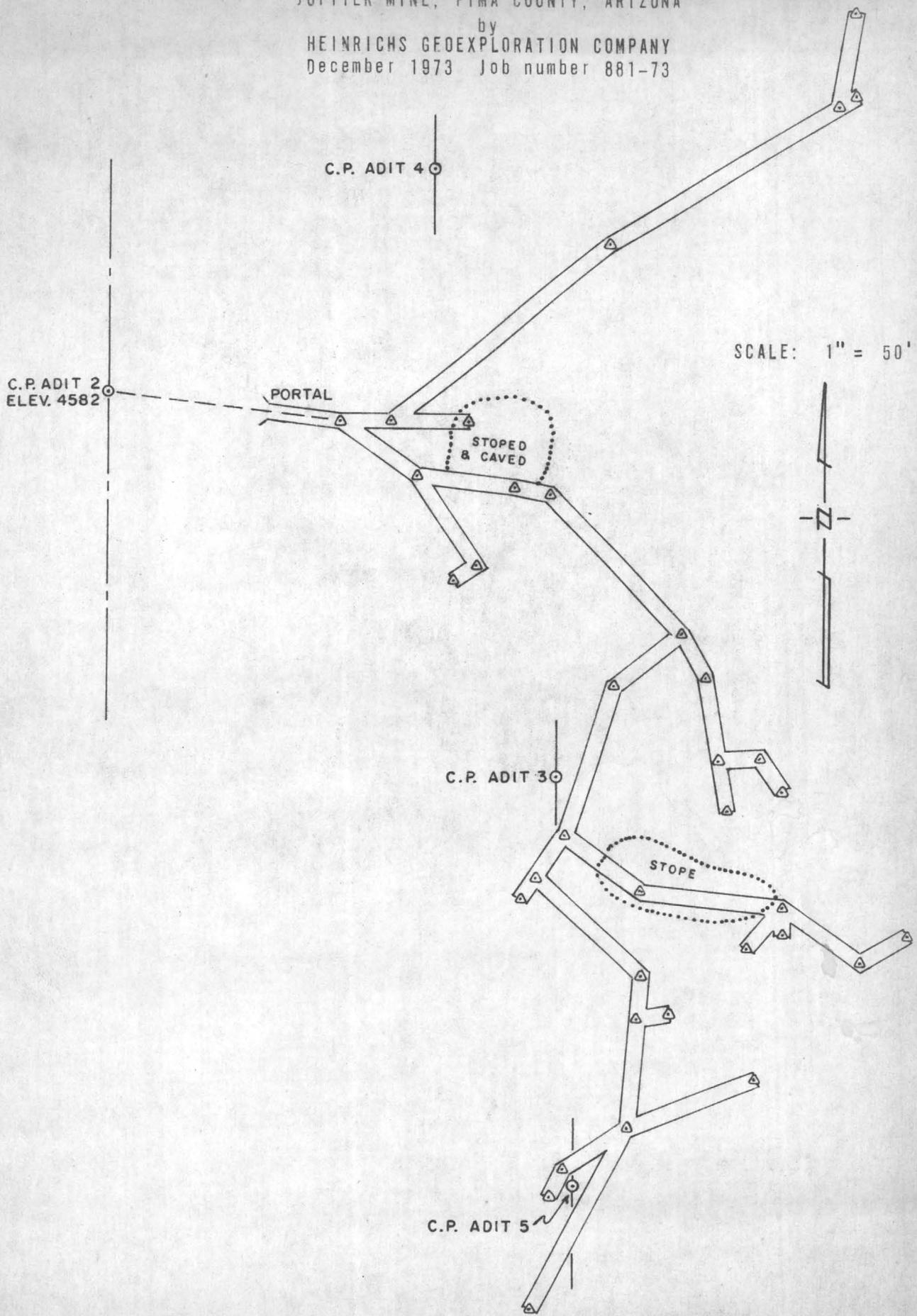


BRUNTON-CHAIN SURVEY OF  
UNDERGROUND WORKINGS, ADIT #2  
JUPITER MINE, PIMA COUNTY, ARIZONA

by  
HEINRICH'S GEODEXPLORATION COMPANY  
December 1973 Job number 881-73



C. P. ADIT 4  
ELEV. 4646

PORTAL

ALSO A CHUTE  
DOWN FROM AN  
UPPER STOPE LEVEL

4'x5' WINZE 12' DEEP

SULFIDE SEAMS  
IN BACK

RAISE & STOPE & UPPER LEVEL  
DRIFT TO CHUTE AT ADIT.

BRUNTON-CHAIN SURVEY OF  
UNDERGROUND WORKINGS, ADITS 3, 4 & 5  
JUPITER MINE, PIMA COUNTY, ARIZONA  
by  
HEINRICHS GEOEXPLORATION COMPANY  
December 1973 Job number 881-73

SCALE: 1" = 50'

C.P. ADIT 3  
ELEV. 4688

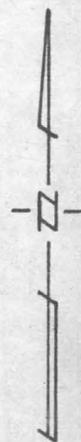
PORTAL

SMALL STOPE  
UP ABOUT 15'

C.P. ADIT 5  
ELEV. 4732

PORTAL

IRREGULAR RAISE  
THROUGH TO SURFACE



March 11, 1975

JUPITER GOLD-SILVER PROPERTY

Location: NW 1/4 of Section 36, T19S, R7E, Pima County, Arizona. It is about 2 1/2 miles SSE of Baboquivari Peak and about 2 miles east of the east boundary of the Papago Indian Reservation.

Access: About 65 miles from Tucson. Paved highway except last 8 miles of good dirt ranch road. Property is in fairly rough terrain at about 4500' elevation but road goes right to workings.

Land Status: State Land. Six type "B" 20 acre State leases covering 120 acres in the N/W 1/4 of Section 36 are in effect until 1990 and are renewable. State rental is \$15.00/year/20 acre lease. State royalty is 5% of the net value of minerals produced ("net" is gross value after processing less transportation and processing cost and less taxes on production.) Annual labor of \$100/20 acre lease/year is required.

History: Discovered in 1879. Stamp mill set up in 1889 which milled about 2000 tons of \$12 gold and silver ore, then burned down. Activity reinitiated in '30s:

Shattuck-Denn did a little work in upper levels in 1935.  
Magma in same year did about 2500 feet of development-exploratory drifting in lower level but failed to find sufficient ore for their purposes.  
Mr. O.C. Lamp and others produced about 400 tons averaging about 0.7 oz Au/T and 12 oz Ag/T between 1935 and 1941.

Property has been essentially dormant since 1941.

Workings: Three levels of drifting developing 300 vertical feet and aggregating about 3000 feet plus several stopes in the two upper levels - all accessible.

Geology and Mineralization: Production has been from mesothermal quartz veins containing auriferous-argentiferous pyrite and galena and minor chalcopyrite. Veins range from several inches to 5 or 6 feet in width, several hundred feet in length, and are generally steeply dipping but involved with complex post mineral faulting. Veins typically assay from 0.2 to 1.0 oz Au/T with a fairly consistent 20:1 silver/gold ratio. Depth possibilities have not been tested below workings. Several strong steeply dipping rhyolite dikes are present in mineralized area. Country rock mainly granodiorite although metasediments involved nearby. Granodiorite has been chloritized, sericitized and pyritized near veins. Area has not been mapped in detail. A brecciated-silicified zone SE of the main workings carries from 0.02 to 0.3 oz Au/T in surface grab samples but has not been otherwise tested.

Terms: 1. \$60,000.00 complete buyout price prior to May 7, 1975. Very short term free period could be arranged.

2. After May 7, 1975, a one year option is available with rental payments, in advance, of \$1200.00 per month plus a buyout price of \$120,000.00. Thirty days notice of termination and turnback of all factual data plus keeping up with State annual work would be required.

For further information contact: Chris S. Ludwig or Walter E. Heinrichs, Jr., Heinrichs GEOEXploration Company, P.O. Box 5964, Tucson, Arizona 85703, Tel: 623-0578

	STA.	TIME	READING	BASE CORR.	$\Delta t$	DRIFT CORR.	VALUE
1	I.O		-0.2				
2	Pots	1235	-0.5				Bearing South
3	0-1	1236	-4.9				
4	0-2	1239	-0.5				
5	0-3	1242	-0.3				
6	0-4	1246	+20.4				
7	0-5	1250	+22.8				
8	0-6	1253	+19.1				
9	Pots	1308	+3.9				
10	6-7	1310	+19.2				
11	6-8	1313	+19.6				
12	6-9	1316	+14.9				
13	6-10	1319	+22.0				
14	6-11	1321	+31.1				
15	6-12	1322	+18.0				
16	Pots	1405	+0.9				
17	12-12	1417	+8.4				Bearing
18	Pots	1429	-4.5				tie
	12-11	1433	+2.9				500'
19	12-10	1436	+7.1				Bearing North
20	12-9	1439	+13.3				
21	12-8	1441	+14.6				
22	12-7	1444	+12.6				
23	12-6	1447	-7.9				
24	Pots	1459	-5.1				
25	6-5	1503	+35.2				
26	6-4	1506	+9.2				
27	6-3	1509	+16.9				
28	6-2	1512	+22.1				
29	6-1	1515	+19.0				
30	6-0	1517	+20.3				



HEINRICH'S  
GEOEXPLORATION COMPANY

Sta 0.0 at Claim post  
NE Corner, NJ-5000

1

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	STA.	TIME	READING	BASE CORR.	Δt	DRIFT CORR.	VALUE
1	POTS	1539	+2.6			Bearing West	
2	0-0	1544	+6.9	Tie		↓ 500'	
3	Pots	1549	+3.3			↓ original	
4	0-0	1554	+15.4	Tie		↓ 0.2, 500'	
5	POTS	1603	+6.2	Tie		↓	
6	0-1	1605	+2.5			Bearing South	
7	0-2	1607	+8.9			↓	
8	0-3	1609	+11.3			↓	
9	0-4	1612	+10.6			↓	
10	0-5	1617	+16.3			↓	
11	0-6	1622	+12.9			↓	
12	POTS	1626	+2.9			↓	
13	6-7	1628	+18.9			↓	
14	6-8	1630	+18.9			↓	
15	6-9	1632	+25.7			↓	
16	6-10	1634	+29.2			↓	
17	6-11	1636	+32.5			↓	
18	6-12	1638	+31.8			↓	
19	POTS	1651	+6.8			↓	
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

STA	Rdng	Time	Pot Corr	DT	drift corr	Val	DT	drift corr	Val
I O,	-0.2	12:30							
Pots	-0.5	12:35		0	0				
0-1	-4.9	12:36		1	-1.1	-4.8	0		0
0-2	-0.5	12:39		4	-1.5	-1.0	3	-1.1	+2.7
0-3	-0.3	12:42		7	-1.9	-1.2	16	-2.1	+1.5
0-4	+20.4	12:46		11	-1.5	+18.9	10	-3.6	+20.1
0-5	+22.8	12:50		15	-2.0	+20.8	14	-5.0	+20.6
0-6	+19.1	12:53		18	-2.4	+16.7	17	-6.1	+15.4
Pots	+3.9	13:08	+4.4	33/0	—				
6-7	+14.2	13:10		2	+0.1	+14.3	34	-12.1	+23.7
6-8	+19.6	13:13		5	+0.3	+19.9	37	-13.2	+28.2
6-9	+14.9	13:16		8	+0.5	+15.4	40	-14.2	+22.7
6-10	+22.0	13:19		11	+0.7	+22.7	43	-15.3	+28.9
6-11	+31.1	13:21		13	+0.8	+31.9	45	-16.0	+37.4
6-12	+18.0	13:22		14	+0.9	+18.9	46	-16.4	+26.0
Pots	+0.9	14:05	-3.0	57/0	—				
Tie	12-12	+8.4	14:17		+2.7	+11.1	101	-36.0	+15.5
Pots	-4.5	14:29	-5.4	24/0	—		113	-40.2	+1.8
12-11	+2.9	14:33		4	+0.1	+3.0	117	-41.7	+12.8
12-10	+7.1	14:36		7	+0.1	+7.2	120	-42.7	+16.0
12-9	+13.3	14:39		10	+0.2	+13.5	123	-43.8	+16.2
12-8	+14.6	14:41		12	+0.2	+14.8	125	-44.5	+21.8
12-7	+12.6	14:44		15	+0.3	+12.9	128	-45.6	+18.8
12-6	-7.9	14:47		18	+0.4	-7.5	131	-46.6	-2.6
Pots	-5.1	14:59	-0.6	30/0	—				
6-5	+35.2	15:03		4	-0.8	+34.4	147	-52.3	+25.1
6-4	+9.2	15:06		7	-1.3	+7.9	150	-53.4	-1.5
6-3	+16.9	15:09		10	-1.9	+15.0	153	-54.5	+5.5
6-2	+22.1	15:12		13	-2.5	+19.6	156	-55.5	+8.1
6-1	+19.0	15:15		16	-3.1	+15.9	159	-56.6	+3.3
6-0	+20.3	15:17		18	-3.5	+16.8	161	-57.3	+3.5

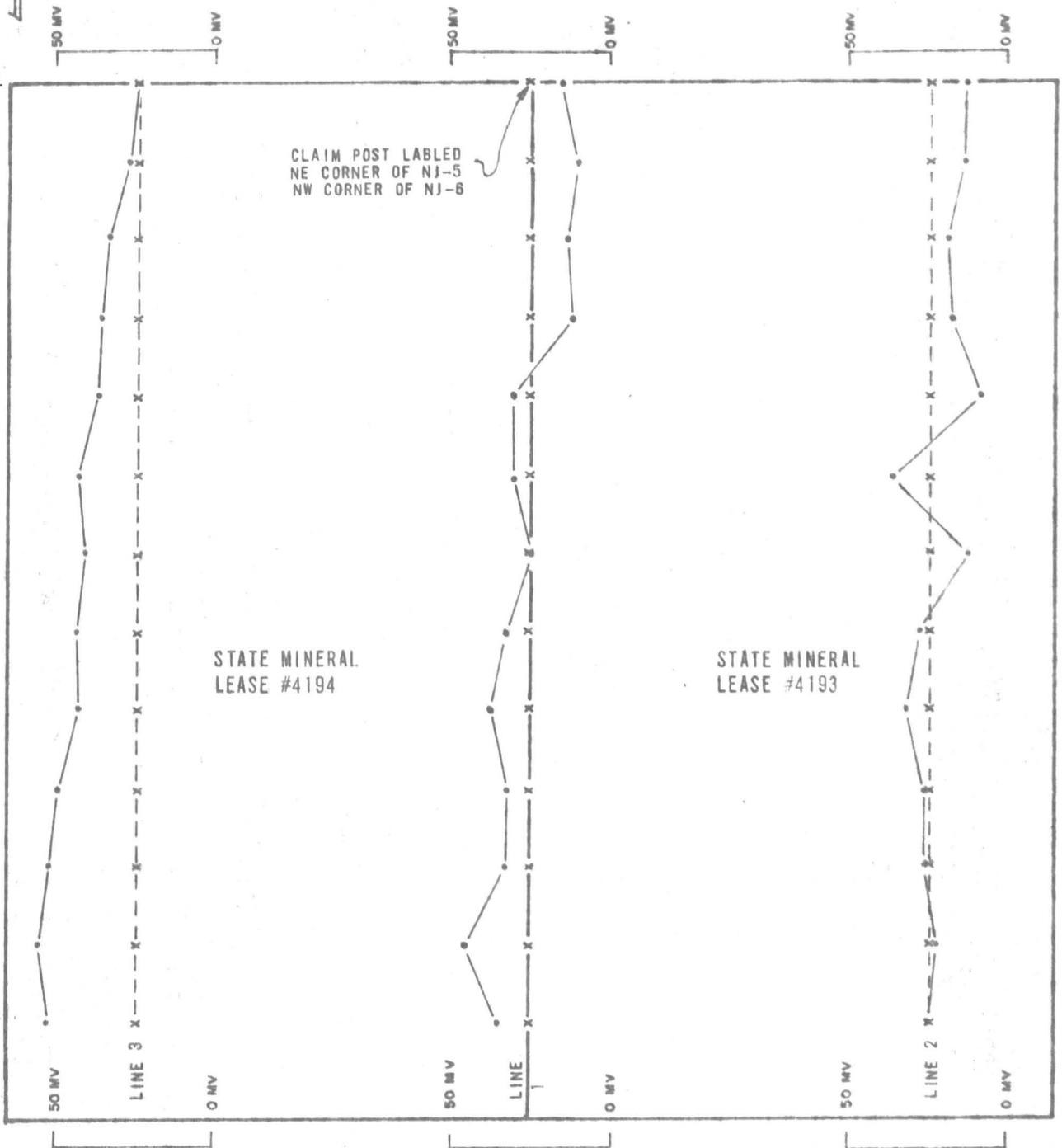
Sta	Rdng	Time	Pot Corr	DT	drift corr	Val	DT	drift corr	Val
Pots	+2.6	1539	+7.7	<del>4</del>	<del>40/s</del>				
tie 0-0	+6.9	1544		5	-0.4	+6.5	+67.3	189	-67.3
Pots	+3.3	1549	+0.7	—	—	—			
0-0	+5.4	1554		5	-1.0	+14.4	+14.4		
Pots	+6.2	1603	+2.9	14	—				
0-1	+2.5	1605		2	+0.3	+2.8	+17.2		
0-2	+8.9	1607		4	+0.6	+9.5	+23.9		
0-3	+11.3	1609		6	+0.9	+12.2	+26.6		
0-4	+10.6	1612		9	+1.3	+11.9	+26.3		
0-5	+6.3	1617		14	+2.0	+18.3	+32.7		
0-6	+12.9	1622		19	+2.7	+15.6	+30.0		
Pots	+2.9	1626	-3.3	23	—				
6-7	+18.9	1628		2	-0.3	+18.6	+33.0		
6-8	+18.9	1630		4	-0.6	+18.3	+32.7		
6-9	+25.7	1632		6	-0.9	+24.8	+39.2		
6-10	+29.2	1634		8	-1.2	+28.0	+42.4		
6-11	+32.5	1636		10	-1.6	+30.9	+45.3		
6-12	+31.8	1638		12	-1.9	+29.9	+44.3		
Pots	+6.8	1651	+3.9	15	<del>2.3</del>				

Note: for all stations, value plotted on profiles is 4.8 mv less than value on computational sheets

PLAN PROFILES FOR  
 SELF POTENTIAL SURVEY  
 of  
 JUPITER MINE AREA  
 PIMA COUNTY, ARIZONA

by  
 HEINRICHS GEODEXPLORATION COMPANY  
 Job number 881-73 February 1974

660' W TO THE  
 NW COR SECT 36



Scale: 1" = 200'  
 SECTION 36, T 19 S, R 7 E

JUPITER

# 881

No 1 MINERALS LOWEST

2 LANDING SHOOT

3 UPPER S. ADIT

4 UPPER N. ADIT.

# 5

1 S 74° E FROM EDGE OF ROAD  
TO PORTAL 49'

58' TO FACE

54' TO PT 2

A2 - S 55° E - 45'

SAME BEARING

' STOP

15' TO ROOF 20' FROM A2

N 10° W FROM A1 TO ADIT # 2

ADIT 4

Δ 1 ON DUMP 38' TO PT 2

S 88° E N 5° E 24 INCHES 24'

N 89° E 33' TO Δ 3

S 62° E 38' TO Δ 4 NO VISIBLE STOP

ING

N 71° E 13.75' TO Δ 5 BETWEEN 4 &

5 OVER HEAD STOP 15' H.G.M

N87E To A 6 <sup>13'</sup> To 20' OR REVERSE  
IN LATERAL OFF TUNNEL

S81°E To A POINT IN LATERAL  
25°

N50E 42' To back of LATERAL  
SMALL SEAMS OF SULFIDES NO Qtz  
VEINS?

N29E 20' ON MAIN TUNNEL  
LARGE STOP.

N33°E 33' To Δ7 FROM A5 IN  
MAIN TUNNEL

From Δ7 S55E 17' To LATERAL  
back

From Δ7 To back N24°E 60'

10' From Δ7 4x5 SHAFT

SUMP - 12' DEEP DEAD JAVOLANAS  
IN BOTTOM.

# 5 H

# 5 AIS 62° E FROM DUMP  
 52' TO PORTAL - 56' TO Δ 2  
 Δ 2 S 62° E TO BACK 36'  
 28' FROM Δ 2 TO GLORY HOLE  
 AT SURFACE

# 2

125  
10  
-9

S 83° E 58' PORTAL 66' TO Δ 1  
 S 85° E 26' TO Δ 2  
 Δ 2 N 83° E TO Δ 3 12' → Δ 4  
 Δ 2 S 55° E 32' TO Δ 4  
 Δ 5 N 51° E - 100' LATERAL

Δ 5 INSIDE

Δ 4

TO Δ 6 N 58° E 100' LATERAL  
 FROM Δ 6 N 7° E 34' TO BACK OF LATERAL  
 12' E FLOW

N 85° E 40' TO IRREG STOP  
 25' UP 110° < 25' OVER  
 UNDERGROUND ~~WEDGE~~ <sup>STOP</sup> 7.5' TO WATER  
 OPEN STOP ~~N 85° E~~

From  $\Delta 4$  S27E 29' To  $\Delta 5$  IN  
INNER LATERAL  
From  $\Delta 5$



$\Delta 4$  - S84°E MAIN TUNNEL 46' To  $\Delta 6$

$\Delta 6$  S45°E 69' To  $\Delta 7$

$\Delta 7$  S27°E To  $\Delta 8$  23'  $\Delta 8$

$\Delta 8$  S11°E 45' To back  
27' To  $\Delta 9$

$\Delta 9$  N90°E 15' To  $\Delta 10$

S50°E 15' To back ~~INNER LATERAL~~

$\Delta 10$  S53°W 31' All lateral

$\Delta 11$  S18°W 56' To  $\Delta 12$

$\Delta 12$  S33°W 22'  $\Delta 13$  32' TO FACE

$\Delta 13$  S51°E 54' To  $\Delta 14$

$\Delta 14$  S5°W 57'  $\Delta 15$

$\Delta 15$  N66°E 55' ON LATERAL TO END

$\Delta 15$  S30°W 72' END OF TUNNEL

$\Delta 15$  S65°W 36' END OF TUNNEL  
S27°W

95  
27  
18

1011 Aliv hosp T Agost

A12 S51°E TO A16 37'

WINKED WOODEN FLOORING

A16 TO END N83°E 89'

A16 TO A17 53' STAIRS UP & DOWN

S35°W 20'



## #1 LOWEST ADIT

$\Delta 1$  ON DUMP S76°E 99' TO  $\Delta 2$   
 IN ADIT 62' TO PARTLY COLLAPSED  
 PORTAL

$\Delta 2$  S65°E 144' TO  $\Delta 3$  ADIT  
 GENTLY CURVED

$\Delta 3$  S60°E 132' TO  $\Delta 4$  AT FORK

$\Delta 4$  S63°E 185' TO  $\Delta 5$  32' TO

DAM

$\Delta 5$  S62°E TO  $\Delta 6$  66' FROM DAM TO  $\Delta 6$   
 BEHIND DAM

$\Delta 6$  S62°E 175' TO  $\Delta 7$  TRO' END

$\Delta 7$  S22°W 90' AS LATERAL

$\Delta 8$  ~~S27°~~ 27°W  $\Delta 9$  74' TO LATERAL

$\Delta 9$  S46°E 110' TO  $\Delta 10$  ✓

$\Delta 10$  S42°<sup>100'</sup>E  $\Delta 11$  <sup>100</sup>

$\Delta 11$  S44°E 57' TO  $\Delta 12$

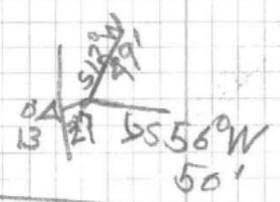
$\Delta 12$  S44°E 69'  $\Delta 13$  ?

$\Delta 13$  N85°E 29' TO  $\Delta 14$  LATERAL S30°E 40'

$\Delta 14$  N80°E 202' TO END OF TUNNEL

76  
21  
29

From  $\Delta 13$  27' To  $\frac{1}{2}$ S36°W



140'

From  $\Delta 12$  S 20°W END OF LATERAL

$\Delta 10$  S30°W 273' END OF LATERAL

$\Delta 9$  60' S15°E ON LATERAL AS

$\Delta 5$  S40°E 63 To  $\Delta 6$

$\Delta 6 \rightarrow$  N85°E 48' END OF LAT  
L S85°W 10'

$\Delta 6 -$  S20°W 39' To  $\Delta 7$

$\Delta 7$  S37°E 60' To  $\Delta 8$

$\Delta 8$  N85°E 44' To  $\Delta 9$

$\Delta 9$  S55°E 66' To END OF LATERAL

$\Delta 9$  S12°E To  $\Delta 10$  IN LATERAL 55'

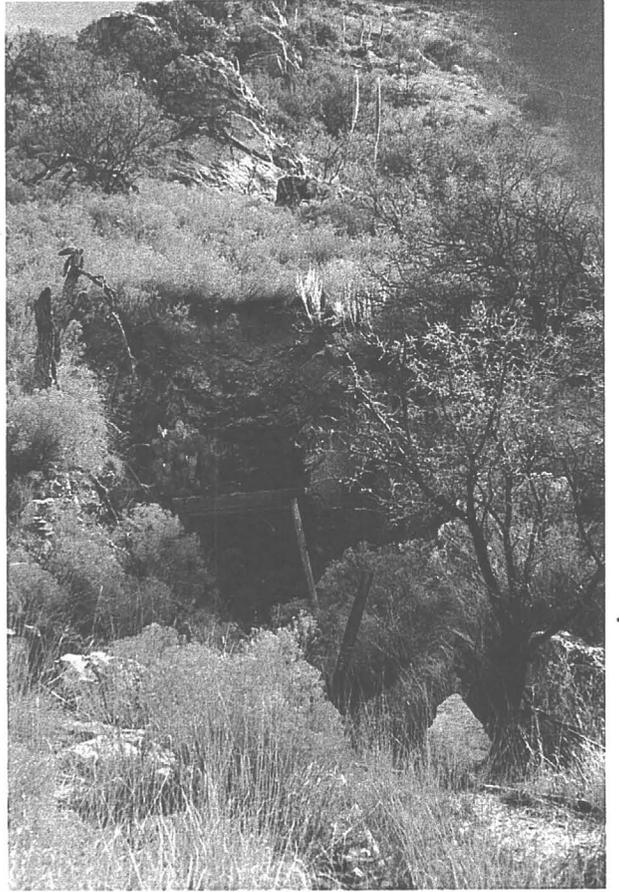
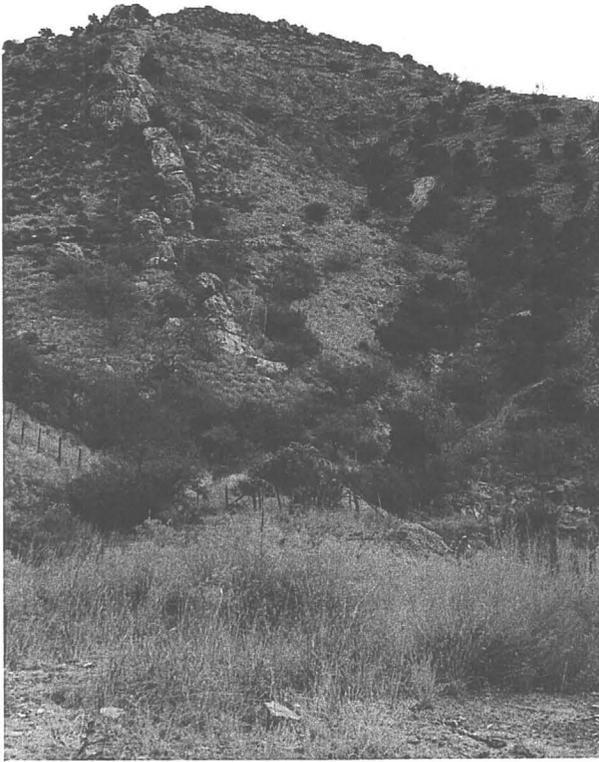
$\Delta 10$  S51°E 72' To  $\Delta 11$  92 END OF LINE

$\Delta 11$  N20°E 97' END OF LATERAL

113  
50  
150  
113  
7

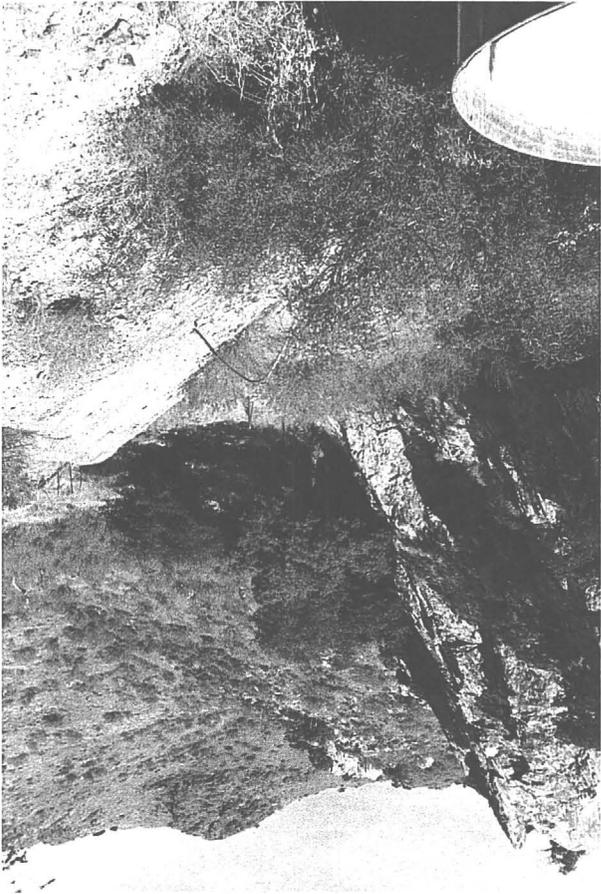
ROSE LEAF NO. 3  
L. DARLING CORP.  
L. DARLING CORP.

• DEC • 73

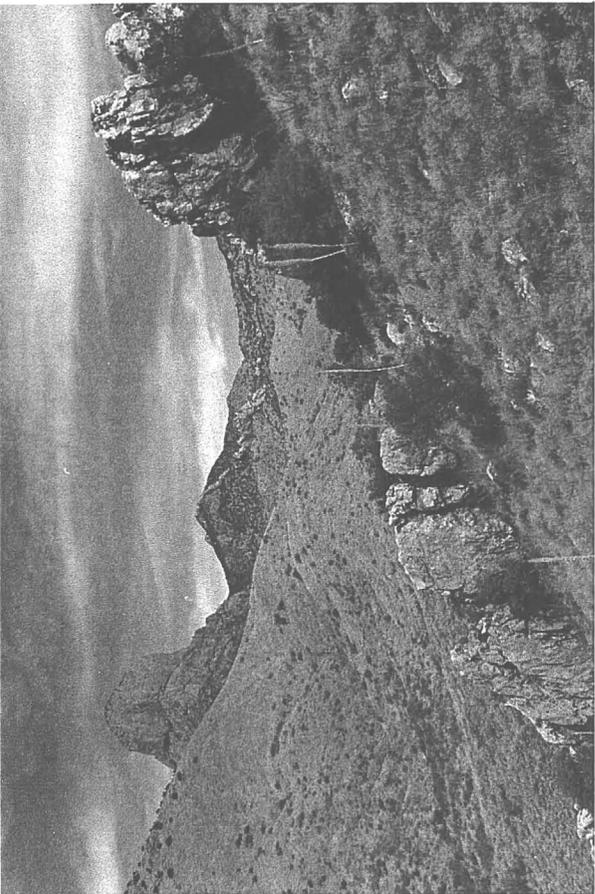


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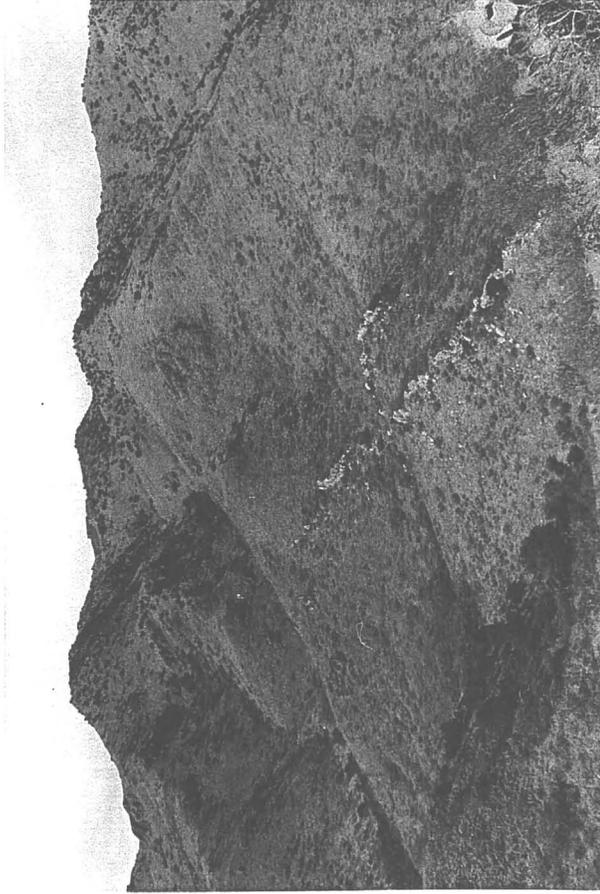
• DEC • 73



• DEC • 73



• DEC • 73



• DEC • 73

*820 to 167*  
*Heinrichs*  
*1 - New York*

# HOLLAND & HART

ATTORNEYS AT LAW

500 EQUITABLE BUILDING  
730 SEVENTEENTH STREET  
DENVER, COLORADO 80202

TELEPHONE AREA CODE 303 292-9200

CABLE ADDRESS HOLHART, DENVER

April 25, 1974

*Mr. J.W. MarkH*

JOSIAH G. HOLLAND  
SILPHEN H. HART  
JOHN L. J. HART  
WILLIAM D. EMBREE, JR.  
JAMES L. WHITE  
PATRICK M. WESTFELDT  
CLAUDE M. MAER, JR.  
ROBERT P. DAVISON  
JOHN FLEMING KELLY  
FRANK H. MORISON  
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JOHN ALLEN MOORE  
EEN E. CHIDLAW  
JAMES E. HEGARTY  
FIELD C. BENTON  
DAVID BUTLER  
J. MICHAEL FARLEY  
WARREN L. TOMLINSON  
BRUCE T. BUELL  
DON D. ETTER  
JAMES T. MORAN

HARRY L. HOBSON  
KENNETH D. HUBBARD  
ROBERT L. VER SCHURE  
GORDON G. GREINER  
ROBERT H. DURHAM, JR.  
WILLIAM E. MURANE  
L. WILLIAM SCHMIDT, JR.  
JAMES P. LINDSAY  
EDWIN S. KAHN  
SAMUEL P. GUYTON  
JOHN S. CASTELLANO  
DENNIS M. JACKSON  
ROBERT E. BENSON  
DONALD O. KINGEN  
RICHARD M. KOON  
CHARLES T. BRANDT  
ROBERT T. CONNERY  
HARADON BEATTY  
ARTHUR C. DAILY  
JEFFREY C. POND  
JOHN UNDEM CARLSON

RANDY L. PARCEL  
DAVID G. PALMER  
JUDITH BONNIE KOZLOFF  
MICHAEL D. MARTIN  
BRUCE W. SATTLER  
RAUL N. RODRIGUEZ  
JACK L. SMITH  
JOHN D. COOMBE  
EUGENE F. MCGUIRE  
LINDELL L. GUMPER  
SOLOMON N. BARON  
THOMAS A. FAULKNER  
ROBERT J. MOIR

MARK R. LEVY  
R. BROOKE JACKSON  
PAUL T. RUTTUM  
BRITTON WHITE, JR.  
WILEY E. MAYNE, JR.  
RICHARD T. CASSON  
GREGORY A. EURICH  
CHRISTOPHER N. SOMMER  
EDWARD M. GILES  
ALAN E. BOLES, JR.  
GERALD W. GRANDEY  
STEPHEN L. PEPPER  
THERESA W. DORSEY

RECEIVED  
KALIUM CHEMICALS Ltd.  
DENVER, COLORADO

MESSENGER DELIVERY

Mr. B. P. Edmonds, Mining Manager  
Kalium Chemicals Limited  
Suite 210, 105 Fillmore Street  
Denver, Colorado 80206

Re: Heinrichs Geoexploration Option

Dear Barney:

I have enclosed the following:

1. Three copies of the referenced Agreement, executed by the Optionors and Combs;
2. Copy of Mr. Marlatt's transmittal letter;
3. Copy of my letter of April 15, executed by the Optionors and Combs; and
4. Copy of my letter of even date acknowledging receipt of the documents and transmitting Kalium's check to Heinrichs.

After the Option Agreement has been signed on behalf of Kalium, could you send one fully executed copy to Heinrichs.

Very truly yours,

*Brit White*

Britton White, Jr.  
for HOLLAND & HART

BW:jb

Encs.

APR 25 1974

GEORX

Cable: GEORX



REC'D MAY 16 1974 REC'D

BOX 5964 TUCSON, ARIZONA 85703

Phone: (AREA 602) 623-0578

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FIELD C. BENTON  
DAVID BUTLER  
J. MICHAEL FARLEY  
WARREN L. TOMLINSON  
BRUCE T. BUELL  
DON D. ETTER  
JAMES T. MORAN

HARRY L. HOBSON  
KENNETH D. HUBBARD  
ROBERT L. VER SCHURE  
GORDON G. GREINER  
ROBERT H. DURHAM, JR.  
WILLIAM E. MURANE  
L. WILLIAM SCHMIDT, JR.  
JAMES P. LINDSAY  
EDWIN S. KAHN  
SAMUEL P. GUYTON  
JOHN S. CASTELLANO  
DENNIS M. JACKSON  
ROBERT E. BENSON  
DONALD O. KINONEN  
RICHARD M. KOON  
CHARLES T. BRANDT  
ROBERT T. CONNERY  
HARADON BEATTY  
ARTHUR C. DAILY  
JEFFREY C. POND  
JOHN UNDEM CARLSON

RANDY L. PARCEL  
DAVID G. PALMER  
JUDITH BONNIE KOZLOFF  
MICHAEL D. MARTIN  
BRUCE W. SATTLER  
RAUL N. RODRIGUEZ  
JACK L. SMITH  
JOHN D. COOMBE  
EUGENE F. MCGUIRE  
LINDELL L. GUMPER  
SOLOMON N. BARON  
THOMAS A. FAULKNER  
ROBERT J. MOIR

MARK R. LEVY  
R. BROOKE JACKSON  
PAUL T. RUTTUM  
BRITTON WHITE, JR.  
WILEY E. MAYNE, JR.  
RICHARD T. CASSON  
GREGORY A. EURICH  
CHRISTOPHER N. SOMMER  
EDWARD M. GILES  
ALAN E. BOLES, JR.  
GERALD W. GRANDEY  
STEPHEN C. PEPPER  
THERESA W. DORSEY

**CERTIFIED MAIL/  
RETURN RECEIPT REQUESTED**

Mr. J. W. Marlatt  
Heinrichs Geoexploration Company  
606 West Grant Road  
P. O. Box 5964  
Tuscon, Arizona 85703

Re: Option Agreement with Kalium Chemicals Limited

Dear Mr. Marlatt:

I have today received the three copies of the referenced Agreement, signed by the Optionors, and have transmitted them to Kalium for execution with instructions to send one fully executed copy to you.

Enclosed please find Kalium's check in the amount of \$2,400.00, payable to Heinrichs Geoexploration Company. This check represents payment under paragraph 3.1 of the subject Agreement and shall keep it in full force and effect through July 19, 1974.

Very truly yours,

Britton White, Jr.  
for HOLLAND & HART

BW:jc

Enc.

cc: Mr. B. P. Edmonds



HEINRICHS GEOEXPLORATION COMPANY

806 WEST GRANT ROAD, TUCSON, ARIZONA 85703. P.O. BOX 5964. PHONE: (602) 623-0578

April 23, 1974

Mr. Britton White, Jr.  
Holland & Hart  
Attorneys at Law  
500 Equitable Building  
730 Seventeenth Street  
Denver, Colorado 80202

Dear Mr. White:

Re: Option Agreement with  
Kalium Chemicals Limited

Thank you for your letter of April 22, 1974, enclosing three copies of the latest draft of the referenced Agreement.

Enclosed are three signed copies of the Agreement as requested, which we understand you will pass on to Kalium for execution.

Also enclosed is the signed carbon copy of your letter of April 15th.

Sincerely yours,

*J. W. Marlatt*  
J. W. Marlatt

JWM:mt

Enclosures

# HOLLAND & HART

ATTORNEYS AT LAW

500 EQUITABLE BUILDING

730 SEVENTEENTH STREET

DENVER, COLORADO 80202

TELEPHONE AREA CODE 303 292-9200

CABLE ADDRESS HOLHART, DENVER

April 15, 1974

JOSIAH G. HOLLAND  
STEPHEN H. HART  
JOHN L. J. HART  
WILLIAM D. EMBREE, JR.  
JAMES L. WHITE  
PATRICK M. WESTFELDT  
CLAUDE M. MAER, JR.  
ROBERT P. DAVISON  
JOHN FLEMING KELLY  
FRANK H. MORISON  
WILLIAM C. McCLEARN  
JAY W. TRACEY, JR.  
JOHN ALLEN MOORE  
BEN E. CHIDLAW  
JAMES E. HEGARTY  
FIELD C. BENTON  
DAVID BUTLER  
J. MICHAEL FARLEY  
WARREN L. TOMLINSON  
BRUCE T. BUELL  
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ROBERT L. VER SCHURE  
GORDON G. GREINER  
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EDWIN S. KAHN  
SAMUEL P. GUYTON  
JOHN S. CASTELLANO  
DENNIS M. JACKSON  
ROBERT E. BENSON  
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RICHARD M. KOON  
CHARLES T. BRANDT  
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RAUL N. RODRIGUEZ  
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THOMAS A. FAULKNER  
ROBERT J. MOIR

MARK R. LEVY  
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PAUL T. RUTTUM  
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GREGORY A. EURICH  
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EDWARD M. GILES  
ALAN E. BOLES, JR.  
GERALD W. GRANDEY  
STEPHEN L. PEPPER  
THERESA W. DORSEY

RECEIVED  
APR 17 1974  
MAIL ROOM

BOX 5964 TUCSON, ARIZONA 85708  
Phone: (AREA 602) 623-0578

Mr. Chris S. Ludwig  
Mr. Walter E. Heinrichs, Jr.  
Mr. J. W. Marlatt  
Heinrichs Geoexploration Company  
606 West Grant Road  
P. O. Box 5964  
Tuscon, Arizona 85703

Re: Option Agreement with  
Kalium Chemicals Limited

Gentlemen:

I have drafted the referenced Agreement, and it has been reviewed by Kalium. I spoke with them by telephone today, and they informed me that it has been executed and forwarded to you. I also have Kalium's check in the amount of \$2,400.00, representing the first three months' payment. As soon as I am informed that the Agreement has been signed by all other parties, I will forward the check to you.

I wished also to call your attention to an ambiguity in paragraph 2 of the "Combs Option," which is Exhibit "A" to the referenced Agreement. This clause grants to Optionees: "all the rights to the extent of the law to which the Optionor is entitled except to mine ore or rock for commercial sale." It seems clear that this limitation is only intended to apply during the option period and not after an exercise of the option to acquire the leases. Accordingly, I have drafted paragraph 2.101 of the referenced

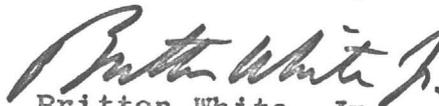
HOLLAND & HART

Mr. Chris S. Ludwig  
Mr. Walter E. Heinrichs, Jr.  
Mr. J. W. Marlatt  
April 15, 1974

Page Two

Agreement to clarify this point, stating that ore and rock may not be removed for commercial sale prior to the exercise of the option. If you and Mr. Combs concur with this interpretation, could you please so indicate by signing the enclosed copy of this letter and returning it to me.

Very truly yours,

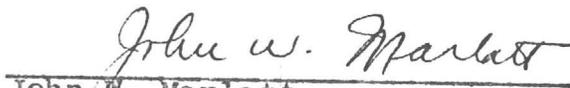
  
Britton White, Jr.  
for HOLLAND & HART

BW:jb

Enc.

  
Marvin W. Combs

  
Chris S. Ludwig

  
John W. Marlatt

  
Walter E. Heinrichs, Jr.

## OPTION AGREEMENT

THIS OPTION AGREEMENT is made and entered into this 23rd day of April, 1974, by and between CHRIS S. LUDWIG, JOHN W. MARLATT, and WALTER E. HEINRICHS, JR., hereinafter referred to collectively as "OPTIONORS," and KALIUM CHEMICALS LIMITED, a Saskatchewan corporation, hereinafter referred to as "KALIUM," for the purpose of setting forth the terms and conditions upon which OPTIONORS grant to KALIUM an option to acquire all of their right, title and interest in and to six mining leases issued by the State of Arizona to Marvin W. Combs (hereinafter referred to as "COMBS") and the subject of a certain Option Agreement dated November 7, 1973, between COMBS and OPTIONORS (a copy of which has been attached hereto and incorporated herein as Exhibit "A"), and during the period this Option Agreement is in effect and prior to its exercise, the terms and conditions under which OPTIONORS grant to KALIUM the exclusive right to enter upon the land covered by said mining leases and to explore and test the same for mineral deposits.

### 1.0 The Property and Representations.

1.1 Reference in this Option Agreement to the "mining leases" means six (6) contiguous type B twenty (20) year Mineral Leases issued by the State of Arizona, covering lands located in Section 36, Township 19 South, Range 7 East, Pima County, Arizona, more particularly described as follows:

Lease No. 4154	S $\frac{1}{2}$ , SW $\frac{1}{4}$ , NW $\frac{1}{4}$	Issued Nov. 30, 1970
Lease No. 4155	N $\frac{1}{2}$ , SW $\frac{1}{4}$ , NW $\frac{1}{4}$	Issued Nov. 30, 1970
Lease No. 4156	N $\frac{1}{2}$ , SE $\frac{1}{4}$ , NW $\frac{1}{4}$	Issued Nov. 30, 1970
Lease No. 4157	S $\frac{1}{2}$ , SE $\frac{1}{4}$ , NW $\frac{1}{4}$	Issued Nov. 30, 1970
Lease No. 4193	W $\frac{1}{2}$ , NE $\frac{1}{4}$ , NW $\frac{1}{4}$	Issued March 31, 1971
Lease No. 4194	E $\frac{1}{2}$ , NW $\frac{1}{4}$ , NW $\frac{1}{4}$	Issued March 31, 1971

1.2 OPTIONORS represent and warrant:

1.201 That they are the sole optionees under Exhibit "A";

1.202 That COMBS, the optionor under said Exhibit "A", is the sole and exclusive owner of the mining leases, and that the title to such mining leases is merchantable, free and clear of all liens, claims or encumbrances;

1.203 That the mining leases consist of the properties described in 1.1 above;

1.204 That all acts of location, annual work requirements, rental payments, notice and filing requirements, and any and all other requirements of the State of Arizona and of the United States have been complied with to the date of the signing of this Option Agreement;

1.205 That all the terms, conditions and requirements of said Exhibit "A" have been complied with to the date of the signing of this Option Agreement and will be complied with throughout the term hereof;

1.206 That pursuant to the terms of Exhibit "A" they are authorized and empowered to assign and transfer all of their rights, title and interest under said Exhibit "A" to KALIUM.

1.207 That, by the terms of said mining leases COMBS is entitled, and OPTIONORS do hereby authorize and direct him, to assign and transfer all of his right, title and interest in said mining leases directly to KALIUM in the event that KALIUM exercises its option under 2.2.

## 2.0 The License and Option.

2.1 OPTIONORS hereby grant unto KALIUM an exclusive license, right and privilege to enter upon the lands covered by the mining leases described in 1.1 for the purpose of exploring and testing

for ores, minerals and materials located on, in or under these lands, and OPTIONORS do hereby grant unto KALIUM full and exclusive right of possession of said mining leases while this Option Agreement is in effect.

2.101 In the conduct of its exploratory and testing activities under 2.1 above, and prior to the exercise of the option granted in 2.2 below, KALIUM is granted all rights and licenses necessary, convenient or desirable to the extent of the law to which OPTIONORS are entitled in conducting such activities, including, but not by way of limitation, the right to drill; trench; dig test pits; take samples for assaying, testing and analyzing; or do any other acts deemed necessary by KALIUM in order that it may determine to its satisfaction the mineral or material values in, on or under said mining leases; provided, however, that prior to the exercise of the option herein granted, ore or rock may not be removed in commercial quantities for the purpose of commercial sale.

2.102 Any machinery, structures, equipment or appliances used by KALIUM in, on or under the lands covered by the mining leases shall not be deemed to be affixed to or become a part of the mining leases, and KALIUM shall have a period of six (6) months following the expiration of the option period or prior termination to recover and remove the same from the mining leases.

2.2 OPTIONORS do hereby grant, bargain and sell unto KALIUM the exclusive right, privilege and option for a period ending at midnight on April 19, 1975, to purchase from OPTIONORS all right, title and interest in and to the mining leases. to be acquired by the OPTIONORS from COMBS pursuant to paragraphs 2 and 3 of Exhibit "A".

2.201 In the event that KALIUM notifies OPTIONORS of its election to exercise the option granted under 2.2, KALIUM shall

pay to OPTIONORS a purchase price in the amount of Sixty Thousand Dollars (\$60,000.00) and OPTIONORS shall immediately exercise their option to acquire said mining leases from COMBS, pursuant to paragraphs 2 and 3 of Exhibit "A", and OPTIONORS shall pay to COMBS the purchase price of Thirty Thousand Dollars (\$30,000.00); OPTIONORS will then take all steps necessary to insure that title to the mining leases is assigned and transferred to KALIUM.

2.202 In the event that KALIUM elects to exercise its option granted under 2.2, the purchase money (\$60,000.00) shall be paid in the form of two (2) checks, each in the amount of Thirty Thousand Dollars (\$30,000.00). One such check shall be payable to COMBS and shall be placed in escrow pursuant to paragraphs 3 and 7 of Exhibit "A". The other check shall be payable to OPTIONORS and shall be placed in escrow pending the assignment of the mining leases to KALIUM by the State of Arizona. If, within a reasonable time of the exercise of said option and for any reason said mining leases are not assigned to KALIUM, then the full purchase price (\$60,000.00) shall be refunded to KALIUM.

2.203 KALIUM shall have a period of fifteen (15) days after exercise of its option under 2.2 to examine title to the lands covered by said mining leases. If said title is not merchantable, the full purchase price of Sixty Thousand Dollars (\$60,000.00) shall be refunded to KALIUM.

### 3.0 Considerations.

3.1 Upon execution of this Option Agreement, KALIUM shall pay to OPTIONORS the sum of Two Thousand Four Hundred Dollars (\$2,400.00), which shall keep this Option Agreement in full force and effect through July 19, 1974.

3.2 Commencing on July 19, 1974, and upon the 19th day of each succeeding month during which this Option Agreement is in effect and until its expiration, prior termination or the exercise

of the option granted hereunder, KALIUM shall pay to OPTIONORS the sum of Eight Hundred Dollars (\$800.00) per month.

3.3 In the event that KALIUM elects to exercise its option under 2.2, said purchase price of Sixty Thousand Dollars (\$60,000.00) shall be separate from and in addition to payments under 3.1 and 3.2 above.

3.4 Pursuant to paragraph 2(b) of Exhibit "A", OPTIONORS shall forthwith notify COMBS of their intention to extend the term of said Exhibit "A"; and, commencing upon May 7, 1974, and upon the 7th day of each succeeding month during which this Option Agreement is in effect and until its expiration, prior termination or the exercise of the option granted hereunder, OPTIONORS shall pay to COMBS the sum of Five Hundred Dollars (\$500.00) per month, as required by paragraph 2(b) of Exhibit "A".

3.5 During the period this Option Agreement is in effect and until its expiration, prior termination or the exercise of the option granted hereunder, KALIUM shall perform all assessment work requirements on the mining leases, and shall record or furnish to OPTIONORS for recording affidavits of such performance.

#### 4.0 Default and Termination.

4.1 KALIUM shall hold OPTIONORS harmless from any liability to third persons for property damage or personal injury to such third persons ensuing out of its operations hereunder and not caused or contributed to by the acts or omissions of OPTIONORS.

4.2 Failure by KALIUM to perform or comply with any of the terms, obligations or conditions of this Option Agreement shall not automatically terminate this Option Agreement nor render it null and void; but in such case, OPTIONORS shall notify KALIUM in writing of such breach and KALIUM shall have a period of thirty (30) days after receipt of such notice within which to cure the default; and if said default shall not have been cured within such thirty (30) day period, OPTIONORS may terminate this Option

Agreement by giving KALIUM written notice of such termination. In the event that this Option Agreement is terminated by reason of such default by KALIUM, OPTIONORS shall not be entitled to recover any damages therefor or to pursue any remedies whatsoever other than payments due and owing up to and including the date of termination pursuant to 3.2 above.

4.3 In the event that OPTIONORS fail to perform or comply with any of the terms, obligations or conditions of Exhibit "A" or are otherwise in default thereunder, COMBS shall notify KALIUM of such default; and if such default is not cured, COMBS shall permit all right, title and interest of OPTIONORS under Exhibit "A" to be assigned to KALIUM.

4.4 Upon the giving of thirty (30) days notice in writing to OPTIONORS, KALIUM may terminate this Option Agreement and thereafter be relieved of all obligations hereunder after the effective date of said termination.

#### 5.0 Notices and Payment.

5.1 Any notice or payment which must or may be given under the terms of this Option Agreement shall be properly given or made if sent registered or certified mail, cost of delivery prepaid, to the party for whom it is intended at the following address:

As to OPTIONORS: Chris S. Ludwig  
P. O. Box 5964  
Tuscon, Arizona 85703

As to KALIUM: Kalium Chemicals Limited  
400 Bank of Canada Building  
Regina, Saskatchewan, Canada

#### 6.0 Intent of Parties.

6.1 The parties hereto agree that they and each of them will execute such further agreements, instruments and documents as may be reasonably required to give full effect to this

Option Agreement and in particular to set forth more fully such details as may be required to effectuate this Option Agreement, and the parties hereto declare that in entering into this Option Agreement they are each acting in the greatest good faith and with the intention of carrying out the full purpose and intent hereof.

6.2 This Option Agreement is made expressly and unconditionally subject to the terms and conditions of Exhibit "A".

7.0 Heirs, Successors and Assigns.

7.1 All the provisions, terms and conditions of this Option Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective heirs, successors and assigns.

7.2 Any sale, assignment, transfer or disposition of this Option Agreement shall expressly and unconditionally be subject to the terms and conditions hereof and to the terms and conditions of Exhibit "A".

IN WITNESS WHEREOF, this Option Agreement has been executed as of the day and year first above written.

KALIUM CHEMICALS LIMITED:

By

B. R. Willett  
B. R. Willett, President

OPTIONORS:

Chris S. Ludwig  
Chris S. Ludwig

John W. Marlatt  
John W. Marlatt

Walter E. Heinrichs, Jr.  
Walter E. Heinrichs, Jr.

Daquar J. Culpepper  
My Commission expires March 28, 1977.



March 26, 1977

James O. Ralston

copy

10/11/77

10/11/77

STATE OF ARIZONA

)

COUNTY OF

Pima

)

ss.

)

On the 23rd day of April, 1974, Marvin W. Combs, known to me to be the person whose name is subscribed to the foregoing instrument, appeared before me and acknowledged that he executed the same for the purposes contained therein.

Witness my hand and official seal.

My commission expires 11.16.76.

[S E A L]

Mary A. Turner  
Notary Public

OPTION AGREEMENT

THIS AGREEMENT is made and entered into effective November 7, 1973 by and between Marvin W. Combs, a widower, hereinafter referred to as "OPTIONOR", and Chris S. Ludwig, a married man, John W. Marlatt, a married man, and Walter E. Heinrichs, Jr., a married man, hereinafter referred to as "OPTIONEES".

WHEREAS the Optionor owns certain mining leases situate in the Baboquivari Mining District, Pima County, Arizona, and more particularly described in Section 1. herein, together with any and all rights appurtenant thereto, and hereinafter referred to as the "Property", and

WHEREAS the Optionees desire to obtain exclusive exploration rights, together with an exclusive option to purchase the Property;

NOW, THEREFORE, in consideration of the payment of Five Dollars (\$5.00), the receipt of which is hereby acknowledged, and the mutual promises and obligations herein made and assumed by each of the parties hereto, the parties agree as follows:

1. Optionor's Representations

Optionor represents that he is the sole owner and has the exclusive possession of the Property, free and clear of all claims, liens or encumbrances; that the Property consists of the following described six (6) Type B State Leases, all located in Section 36, Township 19 South, Range 7 East, Pima County, Arizona.

EXHIBIT "A"

<u>Lease No.</u>	<u>Date Issued</u>	<u>Description</u>
4154 ✓	30 November 1970	S 2 S W N W
4155 ✓	30 November 1970	N 2 S W N W
4156 ✓	30 November 1970	N 2 S E N W
4157 ✓	30 November 1970	S 2 S E N W
4193 ✓	31 March 1971	W 2 N E N W
4194 ✓	31 March 1971	E 2 N W N W;

that the acts of location, annual work requirements, rental payments and other requirements by the laws of the State of Arizona and of The United States have been complied with to the date of signing of this Agreement; the Optionor covenants that such status will not be adversely affected because of any act or omission on the part of the Optionor during the continuance of the Option Agreement.

2. Grant

The Optionor hereby grants to the Optionees the sole and exclusive option to purchase the Property free and clear of all claims, liens and encumbrances, along with the sole and exclusive possession of the mineral estate of the Property, and the sole and exclusive right to conduct exploration thereon in such a manner and to the extent as the Optionees in their sole judgement and discretion may deem advisable, including, but not limited to the right to drill and excavate such holes, pits, shafts and other excavations as may be required to explore, sample and investigate the ground, and to have all the rights to the extent of the law to which the Optionor is entitled except to mine ore or rock for commercial sale. The periods of time for which this Option Agreement will be valid and

in force and considerations therefore will be

- a. For the first six (6) months period, from the date of signing of this agreement until May 7, 1974, the Optionees will have a free Exploration Period, and the option to purchase the Property according to the terms of the Agreement.
- b. If the Optionees elect to continue their option to purchase beyond the expiration of the free Exploration Period, the Optionor agrees to a further extension of Exploration Periods between May 7, 1974 and May 7, 1975 (twelve months) PROVIDED THAT the Optionees pay the sum of Five Hundred Dollars (\$500.00) each and every month of that period during which the Agreement remains in force prior to either the exercise of option to purchase according to Section 3 herein, or termination of the Agreement according to Section 5 herein.

3. Purchase Price

In the event that the Optionees shall elect to exercise their option to purchase, the purchase price shall be Thirty Thousand Dollars (\$30,000.00) payable in full at the time of exercise. Monthly payments if made as a result of Section 2 (b) of Five Hundred Dollars (\$500.00) for each and every month that the Option is not exercised, commencing with the 7th day of May, 1974, will be paid by the Optionees to the Optionor and will be separate and not included in the purchase price.

4. Obligations of the Optionees

The Optionees shall insure that the future assessment work requirements for the periods during which this option is in force

will be performed, taking into account that the Optionor has performed certain assessment work requirements to date prior to the execution of this Agreement, and shall record or furnish to the Optionor for recording affidavits of such performance.

5. Termination of Agreement Before Exercise of Option

The Optionees may terminate this Agreement at any time during its continuance by giving the Optionor thirty (30) days prior notice of such action on its part.

6. Assignment and Transfer

The Optionees shall have the right to sell, assign, transfer or dispose any or all of their interests in this Agreement, provided, however, that no such action by Optionees would in any way operate to hinder or defeat the Optionor's rights to the Property or in this Agreement. Any such sale, assignment, transfer or disposition shall, by its express terms to that effect, be made unconditionally subject to the terms of this Agreement.

7. Notices and Payments

Any and all notices and payments provided for herein shall be properly given or made if sent by registered or certified mail and addressed as follows:

If to Optionor:

Marvin W. Combs  
918 West Santa Maria  
Tucson, Arizona 85706

If to Optionees:

Chris S. Ludwig  
P. O. Box 5964  
Tucson, Arizona 85703

Any notice or payment so given or made shall be deemed to have been

given or made on the date of such deposit of such notice or payment in the United States Mail, as evidenced by the postmark on the envelope.

Payments will be made to the Optionor or his heirs or assigns. In the event of election by the Optionees to exercise the option to purchase, the purchase money will be placed in escrow pending the proper authority and agreement by the State of Arizona for the assignment of the Property to the Optionees or their assigns.

8. Intent of Parties

The parties hereto agree that they and each of them will execute such further agreements, instruments and documents as may be reasonably required to give full effect to this Agreement reached hereunder and in particular to set forth more fully such details as may be required to effectuate this Agreement and the parties hereto declare that in entering into this Agreement they are each acting in the greatest good faith and with the intention of carrying out the full purpose and intent of this Agreement.

IN WITNESS WHEREOF, this Option Agreement has been executed as of the day and year first above written.

OPTIONOR

Marvin W. Combs  
Marvin W. Combs

OPTIONEES

Chris S. Ludwig  
Chris S. Ludwig

John W. Marlatt  
John W. Marlatt

Walter E. Heinrichs, Jr.  
Walter E. Heinrichs, Jr.



## OPTION AGREEMENT

THIS AGREEMENT is made and entered into effective November 7, 1973 by and between Marvin W. Combs, a widower, hereinafter referred to as "OPTIONOR", and Chris S. Ludwig, a married man, John W. Marlatt, a married man, and Walter E. Heinrichs, Jr., a married man, hereinafter referred to as "OPTIONEES".

WHEREAS the Optionor owns certain mining leases situate in the Baboquivari Mining District, Pima County, Arizona, and more particularly described in Section 1. herein, together with any and all rights appurtenant thereto, and hereinafter referred to as the "Property", and

WHEREAS the Optionees desire to obtain exclusive exploration rights, together with an exclusive option to purchase the Property;

NOW, THEREFORE, in consideration of the payment of Five Dollars (\$5.00), the receipt of which is hereby acknowledged, and the mutual promises and obligations herein made and assumed by each of the parties hereto, the parties agree as follows:

1. Optionor's Representations

Optionor represents that he is the sole owner and has the exclusive possession of the Property, free and clear of all claims, liens or encumbrances; that the Property consists of the following described six (6) Type B State Leases, all located in Section 36, Township 19 South, Range 7 East, Pima County, Arizona.

<u>Lease No.</u>	<u>Date Issued</u>	<u>Description</u>
4154	30 November 1970	S 2 S W N W
4155	30 November 1970	N 2 S W N W
4156	30 November 1970	N 2 S E N W
4157	30 November 1970	S 2 S E N W
4193	31 March 1971	W 2 N E N W
4194	31 March 1971	E 2 N W N W;

that the acts of location, annual work requirements, rental payments and other requirements by the laws of the State of Arizona and of The United States have been complied with to the date of signing of this Agreement; the Optionor covenants that such status will not be adversely affected because of any act or omission on the part of the Optionor during the continuance of the Option Agreement.

## 2. Grant

The Optionor hereby grants to the Optionees the sole and exclusive option to purchase the Property free and clear of all claims, liens and encumbrances, along with the sole and exclusive possession of the mineral estate of the Property, and the sole and exclusive right to conduct exploration thereon in such a manner and to the extent as the Optionees in their sole judgement and discretion may deem advisable, including, but not limited to the right to drill and excavate such holes, pits, shafts and other excavations as may be required to explore, sample and investigate the ground, and to have all the rights to the extent of the law to which the Optionor is entitled except to mine ore or rock for commercial sale. The periods of time for which this Option Agreement will be valid and

in force and considerations therefore will be

- a. For the first six (6) months period, from the date of signing of this agreement until May 7, 1974, the Optionees will have a free Exploration Period, and the option to purchase the Property according to the terms of the Agreement.
- b. If the Optionees elect to continue their option to purchase beyond the expiration of the free Exploration Period, the Optionor agrees to a further extension of Exploration Periods between May 7, 1974 and May 7, 1975 (twelve months) PROVIDED THAT the Optionees pay the sum of Five Hundred Dollars (\$500.00) each and every month of that period during which the Agreement remains in force prior to either the exercise of option to purchase according to Section 3 herein, or termination of the Agreement according to Section 5 herein.

3. Purchase Price

In the event that the Optionees shall elect to exercise their option to purchase, the purchase price shall be Thirty Thousand Dollars (\$30,000.00) payable in full at the time of exercise. Monthly payments if made as a result of Section 2 (b) of Five Hundred Dollars (\$500.00) for each and every month that the Option is not exercised, commencing with the 7th day of May, 1974, will be paid by the Optionees to the Optionor and will be separate and not included in the purchase price.

4. Obligations of the Optionees

The Optionees shall insure that the future assessment work requirements for the periods during which this option is in force

will be performed, taking into account that the Optionor has performed certain assessment work requirements to date prior to the execution of this Agreement, and shall record or furnish to the Optionor for recording affidavits of such performance.

5. Termination of Agreement Before Exercise of Option

The Optionees may terminate this Agreement at any time during its continuance by giving the Optionor thirty (30) days prior notice of such action on its part.

6. Assignment and Transfer

The Optionees shall have the right to sell, assign, transfer or dispose any or all of their interests in this Agreement, provided, however, that no such action by Optionees would in any way operate to hinder or defeat the Optionor's rights to the Property or in this Agreement. Any such sale, assignment, transfer or disposition shall, by its express terms to that effect, be made unconditionally subject to the terms of this Agreement.

7. Notices and Payments

Any and all notices and payments provided for herein shall be properly given or made if sent by registered or certified mail and addressed as follows:

If to Optionor:

Marvin W. Combs  
918 West Santa Maria  
Tucson, Arizona 85706

If to Optionees:

Chris S. Ludwig  
P. O. Box 5964  
Tucson, Arizona 85703

Any notice or payment so given or made shall be deemed to have been

given or made on the date of such deposit of such notice or payment in the United States Mail, as evidenced by the postmark on the envelope.

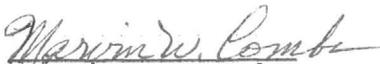
Payments will be made to the Optionor or his heirs or assigns. In the event of election by the Optionees to exercise the option to purchase, the purchase money will be placed in escrow pending the proper authority and agreement by the State of Arizona for the assignment of the Property to the Optionees or their assigns.

8. Intent of Parties

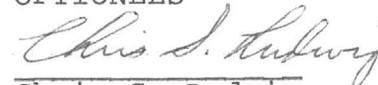
The parties hereto agree that they and each of them will execute such further agreements, instruments and documents as may be reasonably required to give full effect to this Agreement reached hereunder and in particular to set forth more fully such details as may be required to effectuate this Agreement and the parties hereto declare that in entering into this Agreement they are each acting in the greatest good faith and with the intention of carrying out the full purpose and intent of this Agreement.

IN WITNESS WHEREOF, this Option Agreement has been executed as of the day and year first above written.

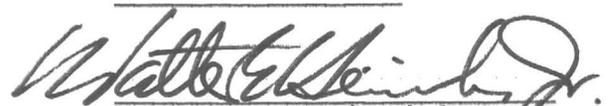
OPTIONOR

  
Marvin W. Combs

OPTIONEES

  
Chris S. Ludwig

  
John W. Marlatt

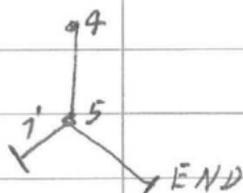
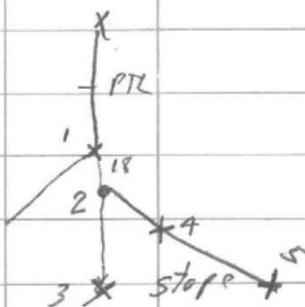
  
Walter E. Heinrichs, Jr.



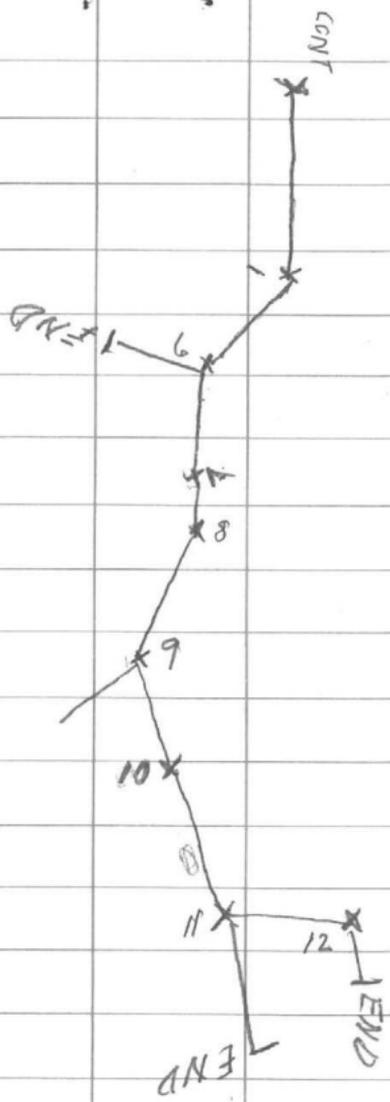
# Adit #2

1

Cont. Pt.		S 82 1/2° E
Pt L.	59	
T.P. 1	86'	
to		
stc		
TP 2	(18)	
TP 3	46	S 90° E
TP 4	103	N 51° E
TP 5	98	N 58 1/2° E
END	35	N 10° E



Jupiter Mine  
 Survey notes for  
 #2 levels  
 by Paul Head  
 12-17-73



T.P. 1

35' S56°E

TP 6

40' S33 1/2°E

End

↘ from

S60W 10ft drift

T.P. 6

37' S84°E

TP 7

at back of slope

13 S82E

TP 8

70 S44E

TP 9

20 S29E

TP 10

22ft small pocket Down Right

31 S9E

TP 11

19 S9E

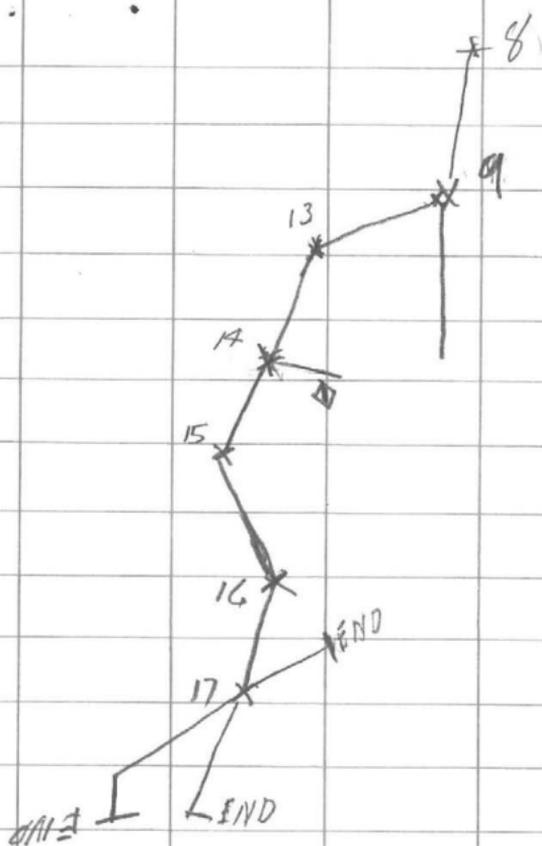
END

TP 11

15 N87E

TP 12  
END

15 S55E



T.P. 9

32' S51W

TP 13

58 S18W

TP 19

Major

introduction

18 S35W

+10ft End

TP 15

53 S47E

TP 16

14 (N80E 12' Lateral)

41 S5W

TP 17

50 N69E

END

TP 17

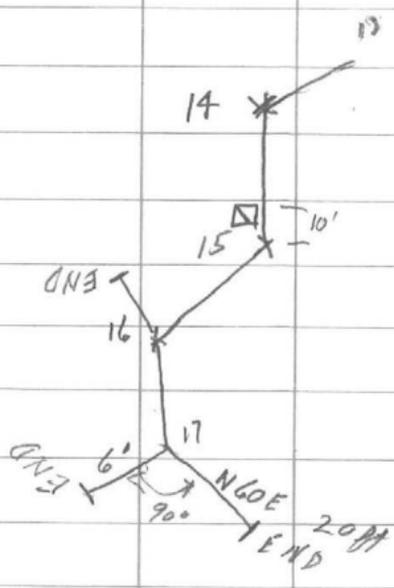
75 S28W

END

TP 17

28 S59W

+12 S25W



TP 14

+

34

S55E

TP 15

on wood platform

17' entrance to Lower Level  
stage

32 wood Loading chute for  
overhead stage

53 End overhead stage  
timbering + stuff

~~TP 14~~

53

S83 1/2 E

TP 16

20

S40W 5'

END

TP 16

10

South  
R

12 ft

END

TP 16

35

S55E

TP 17

JOB #

881

40088

4/22/75

HEINRICH'S GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 7/10/73

Description:

HIGH GRADE, SELECTED  
SAMPLES FROM DUMP AT  
GOLD KING MINE.

ASSAY FOR:

GOLD	0.02
SILVER	3.9
COPPER	1.45
MOLY	0.104

No 5658

HEINRICH'S GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 7/10/73

Description:

HIGH GRADE, SELECTED  
SAMPLES FROM DUMP  
AT IOWANA MINE.  
Gold Bullion?  
ASSAY FOR:

GOLD	0.11
SILVER	1.9
COPPER	0.16
MOLY	0.285

No 5659

HEINRICH'S GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 7/10/73

Description:

SELECTED SAMPLES  
FROM DUMPS AT  
JUPITER MINE.

ASSAY FOR:

GOLD	0.68
SILVER	11.5
COPPER	0.02
MOLY	0.007

#103

148

No 5660

HEINRICH'S GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Bag ①

Date ~~10/30/73~~ 10/30/73

Description: Jupiter Mine

Qtz vein over hill just east of mine -  
small prospect pit. Vein ~ 6' wide  
& shows 1-2% PbS, minor FeS<sub>2</sub>,  
minor iron staining.

Assay for Au & Ag

Au 0.19

Ag 6.4

N<sup>o</sup> 5661

Heinrichs GEOEXploration Co.,  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

138

54

N<sup>o</sup> 5661

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Bag ②

Date 10/30/73

Description: Jupiter Mine

Qtz float & in-place veins  
just east of rhyolite dike on  
hill crest east of mine. No  
diggings. Qtz is heavily Fe stained,  
some is gossanous & some cavernous.  
several grains of PbS & FeS<sub>2</sub> seen.

Assay for Au 0.15  
Ag 3.0

N<sup>o</sup> 5662

Heinrichs GEOEXploration Co.,  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

\$27

39

N<sup>o</sup> 5662

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Bag ③

Date 10/30/73

Description: Jupiter Mine

Upper "Combs" working - shallow  
diggings on highly siliceous  
rhyolite? some qtz veining. Just  
west of hill crest east of mine &  
adjacent to rhyolite dike capping hill.  
Rock is iron stained & in places  
porous & cavernous. Fresh rock  
shows pyrite & galena (minor)

Assay for Au 0.32

Ag 6.8

Nº 5663

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

#52

75

Nº 5663

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Bag ④

Date 10/30/73

Description: Jupiter Mine

Heavy sulfide material from stope  
(select high grade) upper mine  
workings, north adit.

Pyrite, tetrahedrite(?) & galena

Assay for Au 2.10

Ag 42.3

N<sup>o</sup> 5664

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

# 337  
282

N<sup>o</sup> 5664

HEINRICH'S GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Bag (5)

Date 10/30/73

Description: *Jupiter Mine*

*Mineralized wall rock from middle (main) workings. Shows minor pyrite & specks of (?) dark sulfides.*

Assay for Au 0.01  
Ag 0.6

No 5665

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

3

No 5665

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Bag (6)

Date 10/30/73

Description: Jupiter Mine

Qtz vein ore from middle  
(main) workings. Shows  
pyrite, galena, tetrahedrite(?) &  
chalcocite in a white qtz. matrix

Assay for Au 0.96

Ag 13.9

Nº 5666

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

#138  
209

Nº 5666

HEINRICH'S GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Bag (7)

Date 10/30/73

Description: *Jupiter Mine*

Qtz vein complex near hilltop  
in small adit (prospect) by  
compressor. Shows very minor  
pyrite & tetrahedrite(?)

Assay for Au 0.20  
Ag 3.7

No 5667

Heinrich's GEOEXploration Co.,  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

A 31  
45

No 5667

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Bag (8)

Date 10/30/73

Description: Jupiter Mine

Grab sample of ore(?)

from loading chute base. Qtz &

<sup>calcite</sup> vein material with galena,  
pyrite, tetrahedrite(?),  
molybdenite(?).

	Mo	0.022
Assay for	Au	0.55
	Ag	11.4

No 5668

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

# 89

No 5668

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Bag ⑨

Date 10/30/73

Description: *Hermosa - Pelican*

*High grade galena from  
ore pile - south side of  
creek.*

*Assay for*

*Ag 4.4*

**Nº 5669**

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

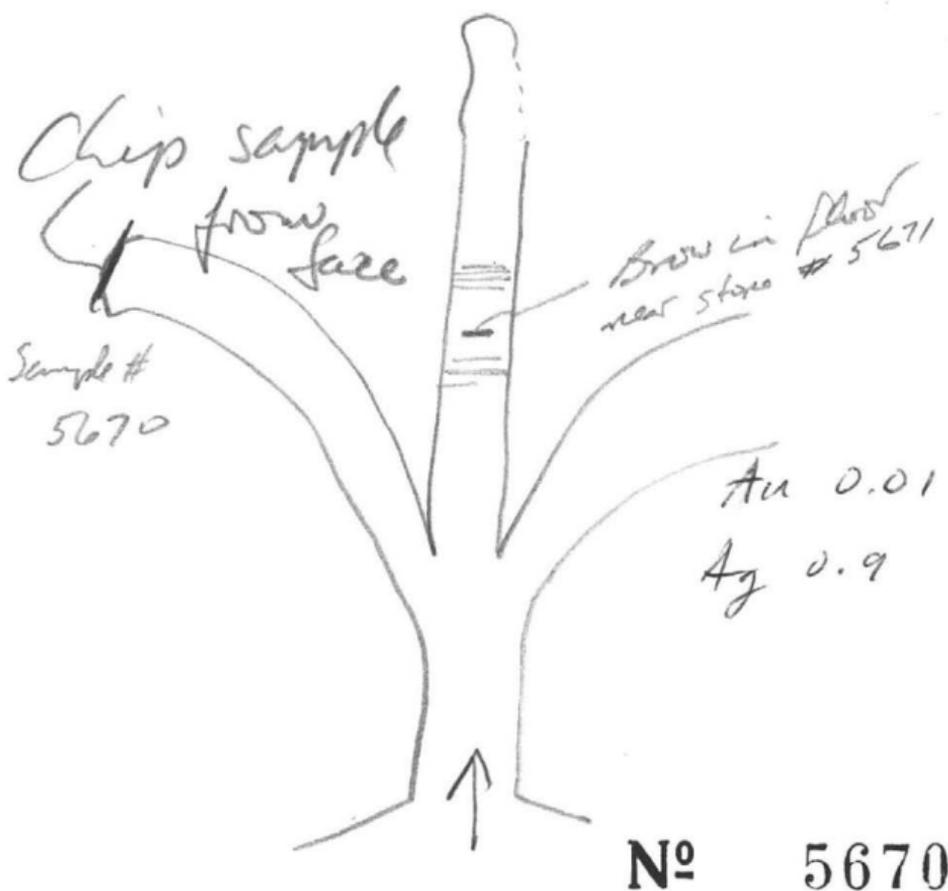
*# 13*

**Nº 5669**

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 11/13/73

Description:



Heinrichs GEOEXploration Co. \$4  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

Fractured - Altered granitic  
rock w/ heavy chloritization,  
pyritization w/ qtz blebs and  
silicification. **No 5670**

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 11/13/73

Description:

For location, see sketch  
on 5670

Vein sample beyond Au 0.02  
shaft timber and Ag. 2.08  
near underhand stop.

Stopped for about 15' above

Sample width 20". On each  
above vein appears richer  
and 8' wide

No 5671

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

\$ 8

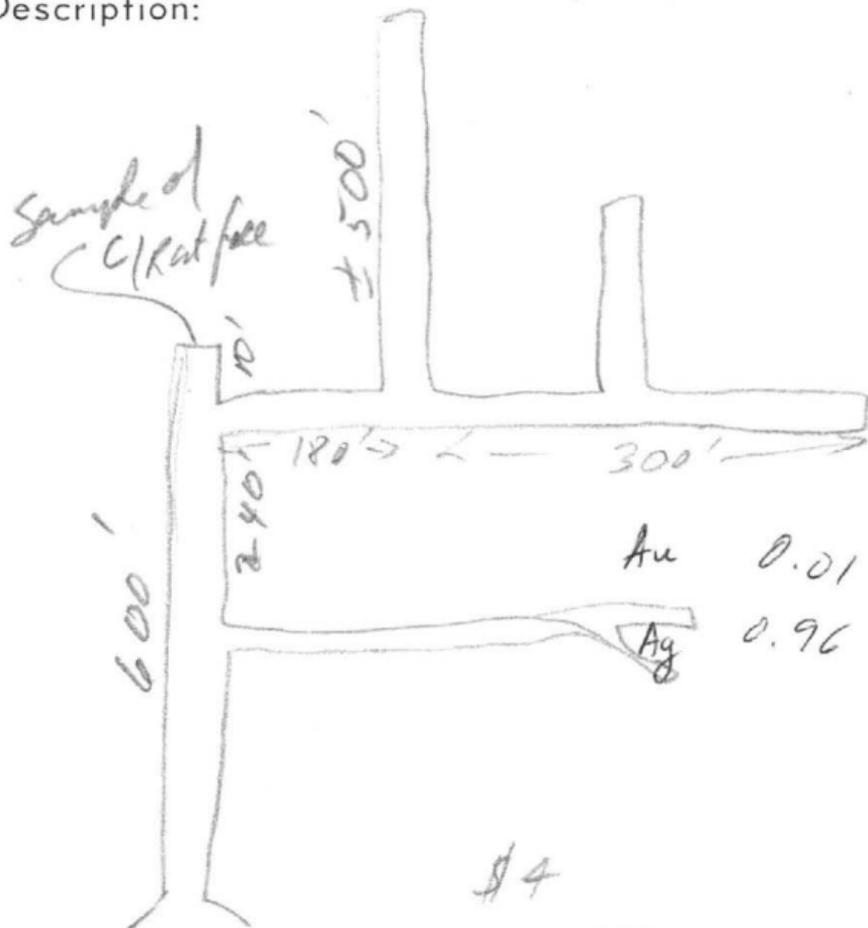
11

No 5671

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 11/13/73

Description:



No 5672

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 1-14-74

Description:

Sample #1 30"  
west wall - some  
sulfides south vein

an	0.04
ag	0.94

Nº 5673

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

\$ 7

Nº 5673

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date \_\_\_\_\_

Description:

Sample # 2 South vein  
12" East wall.

an	0.12
ag	2.48

N<sup>o</sup> 5674

Heinrichs GEOEXploration Co.,  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

# 19  
28

N<sup>o</sup> 5674

HEINRICH'S GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date \_\_\_\_\_

Description:

Sample # 3

60" core at  
bottom of slope.  
considerable sulphide

an 0.38

aq 6.76

N<sup>o</sup> 5675

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

\$ 58  
84

N<sup>o</sup> 5675

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date \_\_\_\_\_

Description:

Sample # 4  
picked sample of grey  
material several, same as  
as sample # 3

an	0.54
ag	11.38

No 5676

Heinrichs GEOEXploration Co.,  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

# 88  
127

No 5676

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date \_\_\_\_\_

Description:

Sample # 5

6" Jpg vein  
near portal adit # 2  
on southerly dip.

cu	0.20
ag	3.82

No 5677

Heinrichs GEOEXploration Co.,  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

# 31  
45

No 5677

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date \_\_\_\_\_

Description:

#2 adit

Sample # 6

gauge + breccia  
from interval, same as  
as # 5. No  
mineralization evident.

an	0.04
ay	0.54

Nº 5678

Heinrichs GEOEXploration Co.,  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

\$ 6

Nº 5678

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 1-14-74

Description:

Sample # 7      adit # 4  
chip sample from ore

ag      0.02  
ag      0.34

N<sup>o</sup> 5679

Heinrichs GEOEXploration Co,  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

\$ 3

N<sup>o</sup> 5679

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 1-14-74

Description:

adit # 4

Sample # 8

West side) vein  
below stop 8"

Ag 0.98  
Ag 12.20

N<sup>o</sup> 5680

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

#135  
196

N<sup>o</sup> 5680

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 1-14-74

Description:

adit #1  
Sample #9  
~~steps~~ identified  
when material 4"  
wide in drift north  
west of rock fall

Ag au 0.04  
Ag 0.52

No 5681

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

86

No 5681

HEINRICH'S GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date \_\_\_\_\_

Description:

Sample # 10

6" of fly vein in  
dip north of Adit  
1 position ~~mark~~ station  
C P Adit 2

~~Ag~~

Ag

Ag

0.34

3.65

No 5682

Heinrichs GEOEXploration Co,  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

# 45  
66

No 5682

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date \_\_\_\_\_

Description:

Sample # 11

4" qty with sample

100' NW of Sample # 10

Ay

0.04

Aq

0.48

No 5683

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

45  
8

No 5683

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date \_\_\_\_\_

Description:

Sample # 12

In main tunnel  
100' east of first  
cross cut

44 g/g with  
sulfides

Aq	0.60
Sg	7.90

No 5684

Heinrichs GEOEXploration Co,  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

\$ 84

122

No 5684

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date \_\_\_\_\_

Description:

Sample # 13

In gty with 18"

some sulfides

50' northwest }  
Sample # 12 }

Ag 0.42

Ag 7.04

No 5685

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

\$63  
91

No 5685

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 2/15/74

Description:

Jupiter Mine

select

Sulfide rich samples of

~ 3' quartz vein E-W strike

70° S dip about 1000' N of main

peak (# on 15 minute quad)

galena, pyrite & tetrahedrite?

Au

swab in  
North shed

Ag

No 5686

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

No 5686

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 2/15/74

Description:

Jupiter Mine

Dump grab from  
small adit just south of  
road 10 ton "stockpile"  
of quartz vein - minor  
sulfides

Adit #5

Saved in North  
Shed

Au

Ag

No 5687

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

No 5687

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 2/15/74

Description:

*Jupiter Mine*

*on dozer cut 50' below Combs  
new cut. 20' chip ~~cut~~ cut  
from end trending N20°W along cut  
silicified & Fe Ox*

*Au*

*Ag*

*Composited  
not ass'd*

**Nº 5688**

Heinrichs GEOEXploration Co.,  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

**Nº 5688**

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 2/15/74

Description:

*Jupiter Mine*

*Same as 5688 except  
next 20' N 20° W*

*Au*

*Ag*

*Compressed -  
not caved*

No 5689

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

No 5689

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 2/15/74

Description:

*Jupiter Mine*

*Same as 5689 except  
next 20' along doper cut  
N20°W (60' total cut)*

*Au*

*Ag*

*Composited -  
not saved*

N<sup>o</sup> 5690

Heinrichs GEOEXploration Co.,  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

N<sup>o</sup> 5690

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 2/15/74

Description:

Jupiter Mine

50' N-S crude chip

(some missing due to talus)

across silicified Combs Cut

Au 0.05

Ag 1.6

Nº 5691

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 Date \_\_\_\_\_

Nº 5691

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 2/15/74

Description: *Jupiter Mine*

*Dump grab lower Combs  
cut - perhaps representative  
of 10'-20' silicified material*

*Au 0.10*

*Ag 1.8*

**Nº 5692**

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

**Nº 5692**

HEINRICH'S GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 2/15/74

Description:

*Jupiter Mine*

*Grabs on major  
silicified zone east of south  
of Combs pit of <sup>dyolite</sup> dike (N10°W, 60°W dip)  
seems to have ~ N50°W trend  
(silicified zone)*

*Ag 0.02*

*Ag 0.6*

**Nº 5693**

Heinrichs GEOEXploration Co.  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

**Nº 5693**

HEINRICHS GEOEXPLORATION CO.  
P.O. BOX 5964 • TUCSON, ARIZONA 85703

Date 3/19/74

Description:

*Jupiter Mine*

*Composite of*

*Samples 5688 } not individually*  
*5689 } assayed*  
*5690 }*

*for whole 60' cut on*  
*end of Combs bozer cut*

*Au 0.01*

*Ag 0.5*

**N<sup>o</sup> 5694**

Heinrichs GEOEXploration Co,  
Box 5964, Tucson, Ariz. 85703 \_Date\_\_\_\_\_

**N<sup>o</sup> 5694**

MADE IN U.S.A. NOV 73



MADE IN U.S.A. V 73





MADE IN U.S.A. 8  
NOV 73

MADE IN U.S.A. NOV 73





MADE IN U.S.A. NOV 73



12 MADE IN U.S.A. NOV 73



NOV 73  
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MADE IN U.S.A. NOV 73

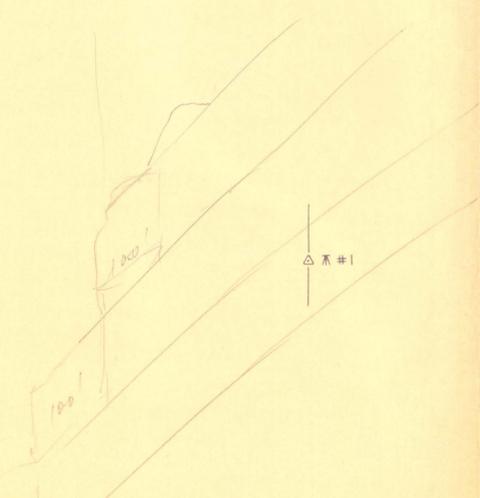
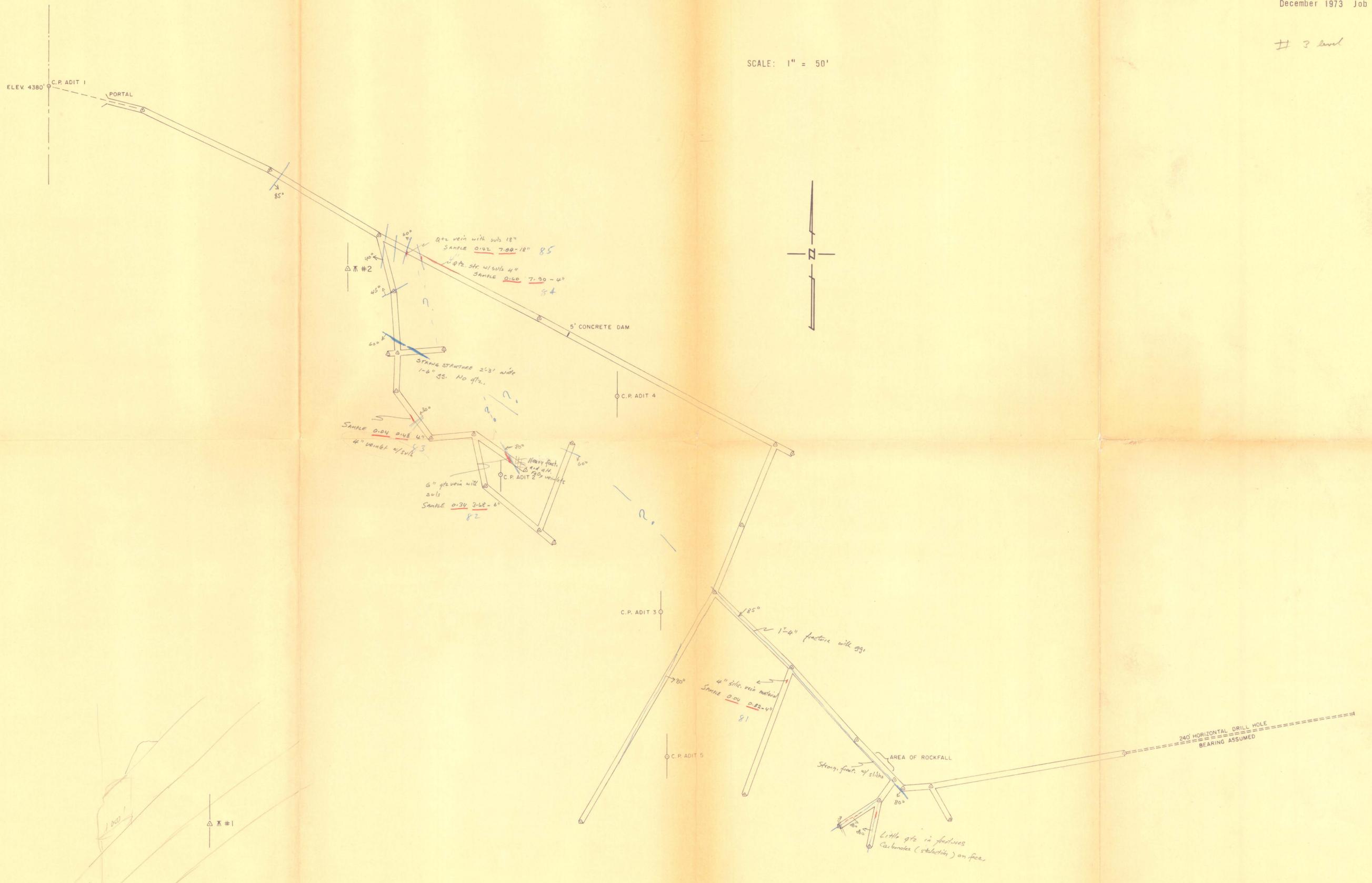


MADE IN U.S.A. NOV 73

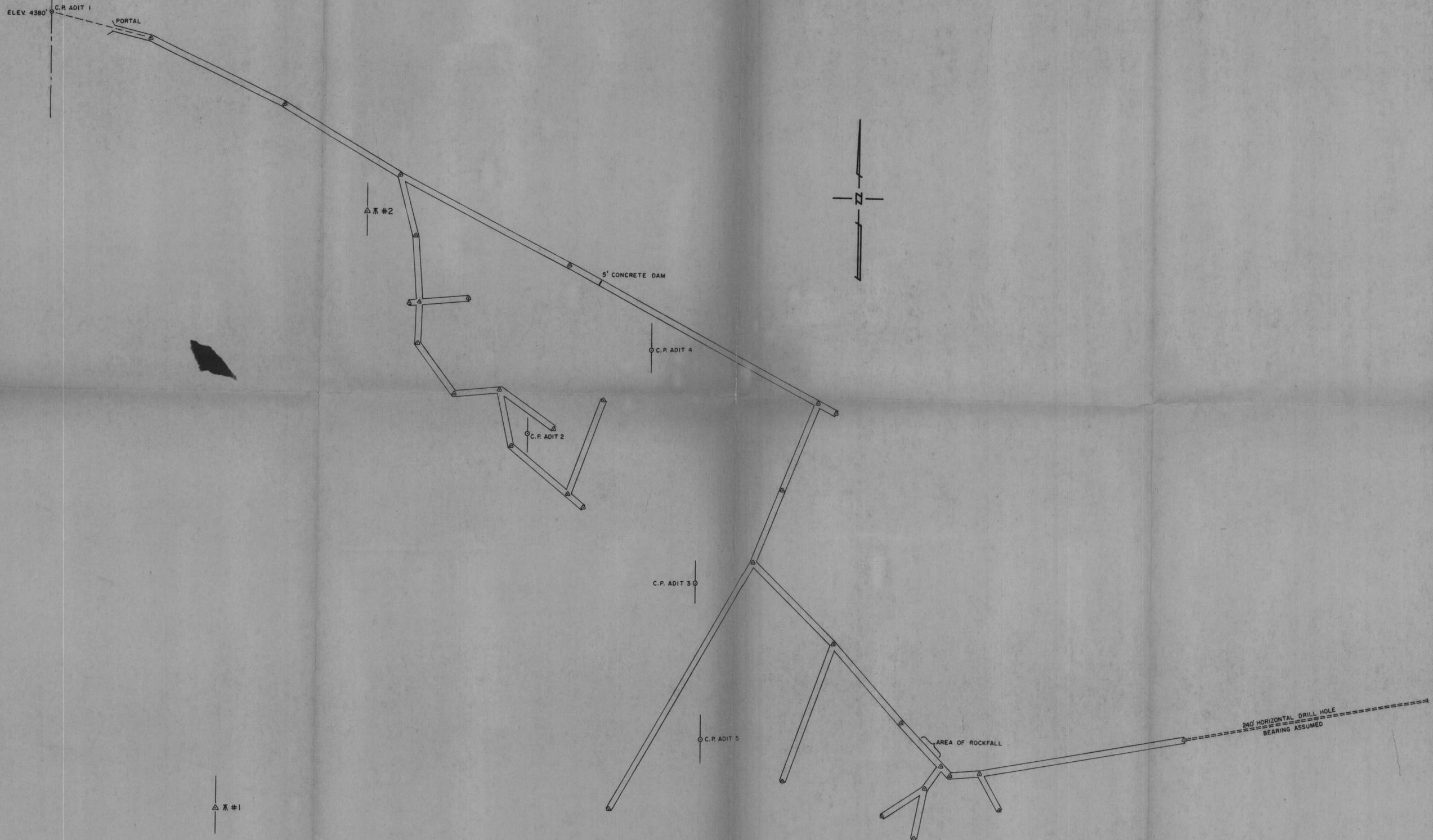


# 3 level

SCALE: 1" = 50'

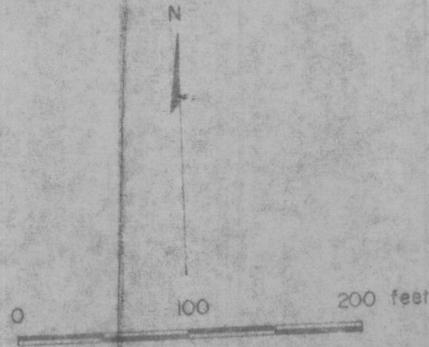


SCALE: 1" = 50'



JUPITER MINE  
 PIMA COUNTY, ARIZONA  
 WORKINGS & SAMPLE LOCATIONS

Kalium Chemicals Ltd  
 Prescott Office, March 1974



LEGEND

- 1st LEVEL 0'
- 2nd LEVEL -100'
- 3rd LEVEL -300'
- CHANNEL SAMPLE, KALIAM
- CHANNEL SAMPLE, HEINRICHS
- $\frac{Au}{Ag}$  INTERVAL
- SURVEY CONTROL POINT
- RHYOLITE DIKE
- ROAD

base map by Heinrichs GEOEX



Silicified zone

LOCATION OF ROAD IN  
THIS AREA IS SCHEMATIC

Scale: 1" = 50'

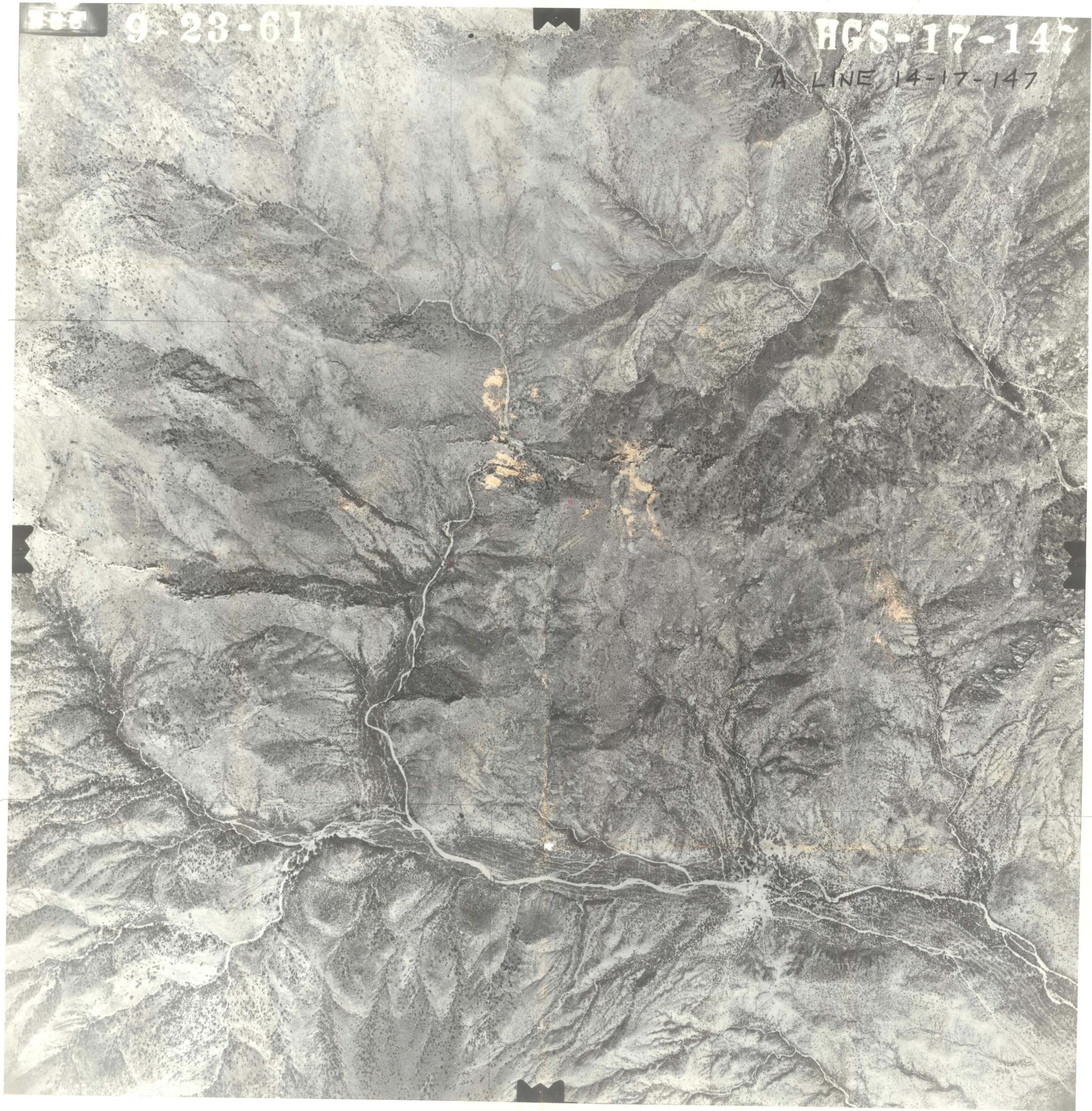


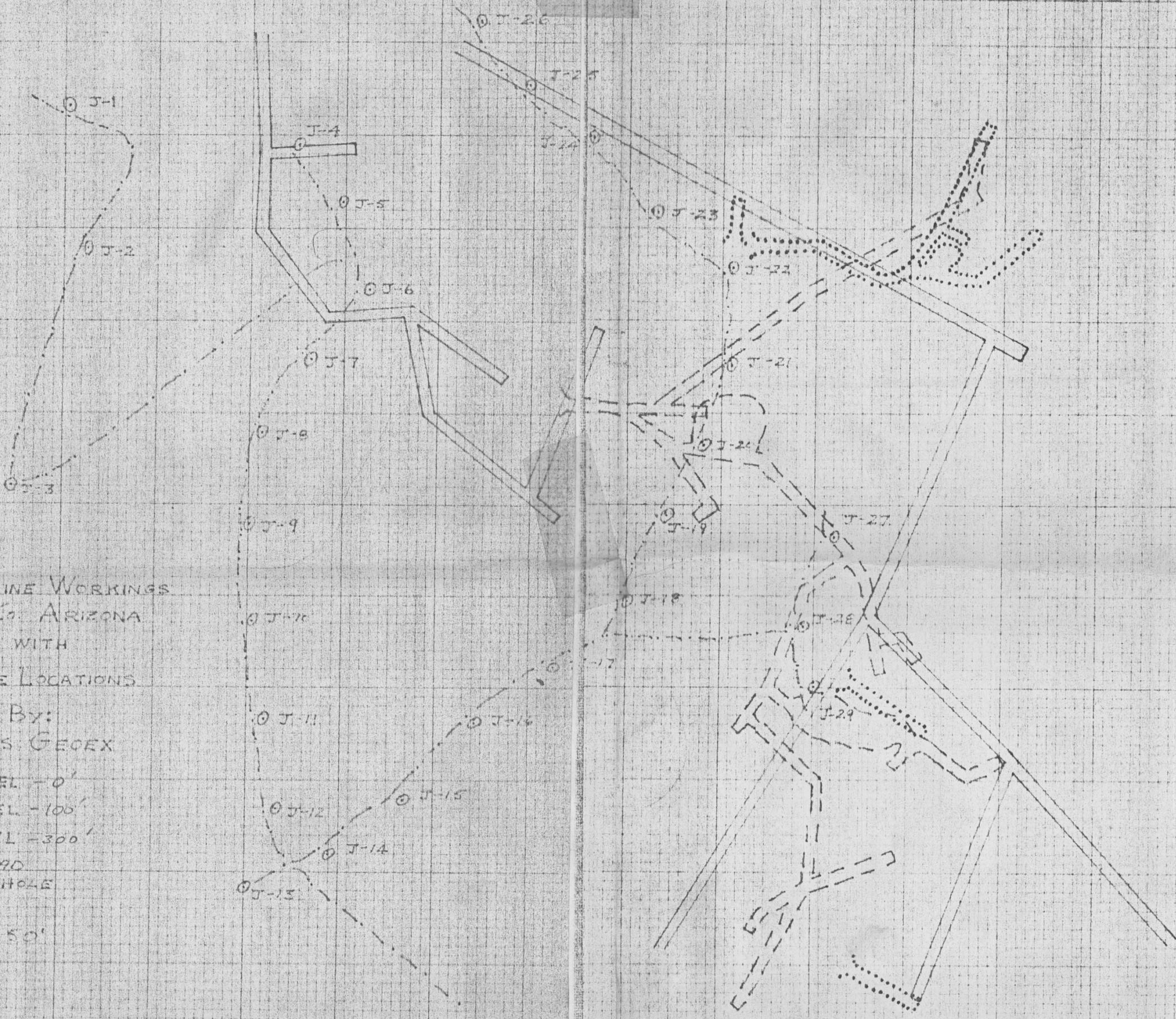
888

9-23-61

HGS-17-147

A LINE 14-17-147





JUPITER MINE WORKINGS  
 PIMA CO. ARIZONA  
 WITH  
 DRILL HOLE LOCATIONS

BASE MAP BY:  
 HEINRICHS GECEX

- 1ST LEVEL - 0'
- 2ND LEVEL - 100'
- 3RD LEVEL - 300'
- - - ROAD
- DRILL HOLE

SCALE: 1" = 50'

C. Howard Feb '75

CONTROL POINT  
FA LEVEL #1

PORTAL

S 76 E 92'  
S 65 E 144'

S 60 E 132'

S 15 E 66'  
S 63 E 185'

S 14 E 43'  
48'  
N 85 E 10'

S 3 E 60'  
S 37 E 44'

N 85 E 44'

S 51 E 72'  
S 51 E 72'  
S 51 E 72'  
S 51 E 72'

CONCRETE DAM  
20' HIGH

S 62 E 100'

S 62 W 74'

S 22 W 90'

S 14 E 100'

S 20 W 110'

S 14 W 118'

S 29 W 40'

N 80 E 202'

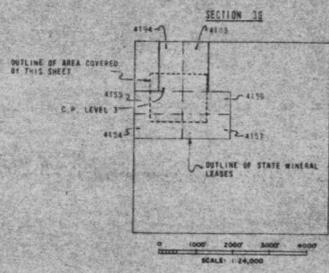
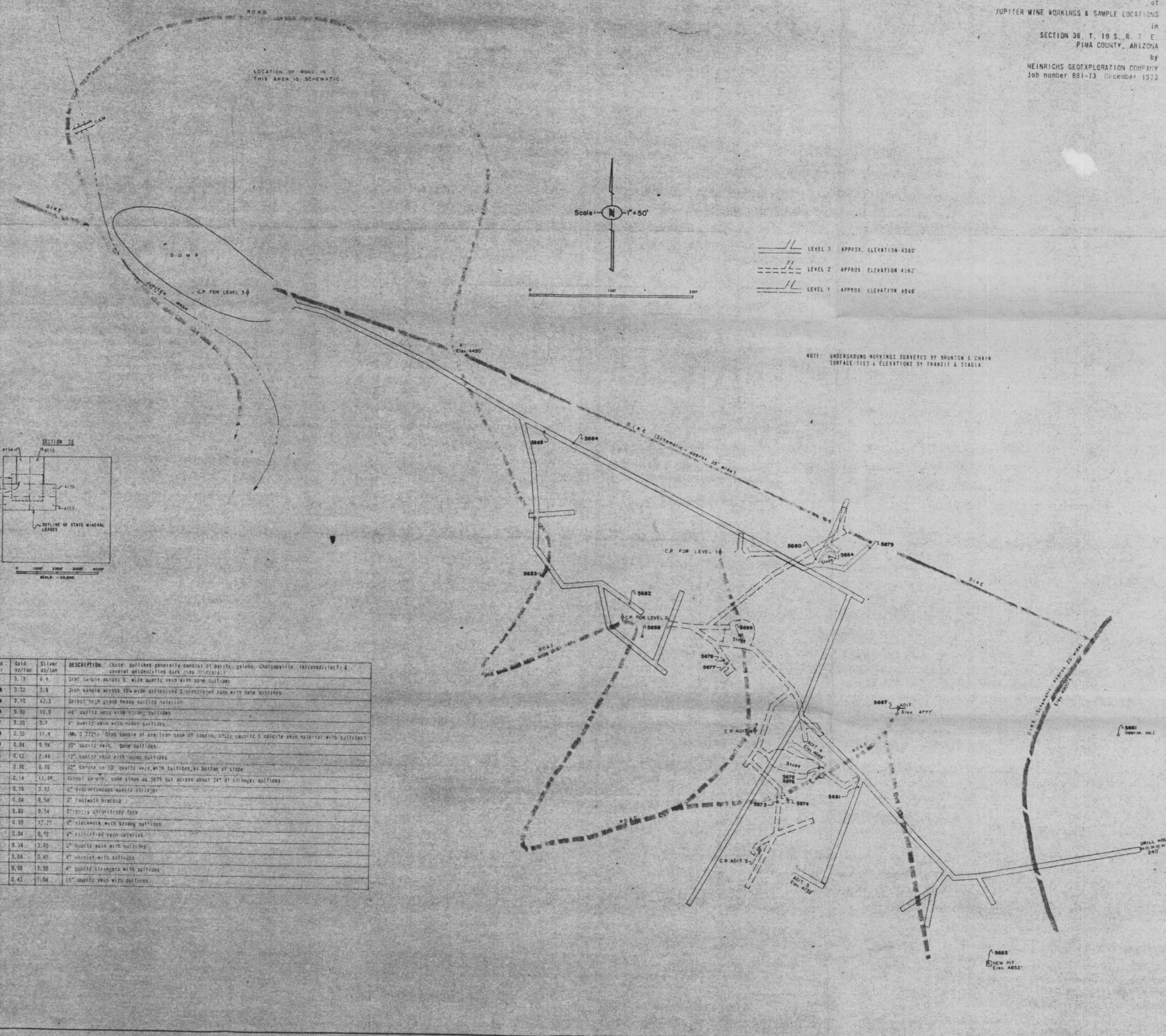
50'  
20'  
POSSIBLE DIAMOND  
DRILL HOLE  
AT FACE



JUPITER MINE  
SEC. 36 T19S R 7E  
PIMA COUNTY, ARIZONA  
PLAN OF #1 LEVEL  
DEC. 1973 SCALE 1"=50'

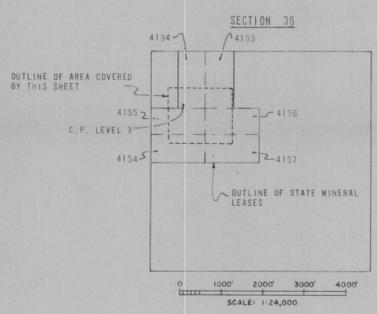
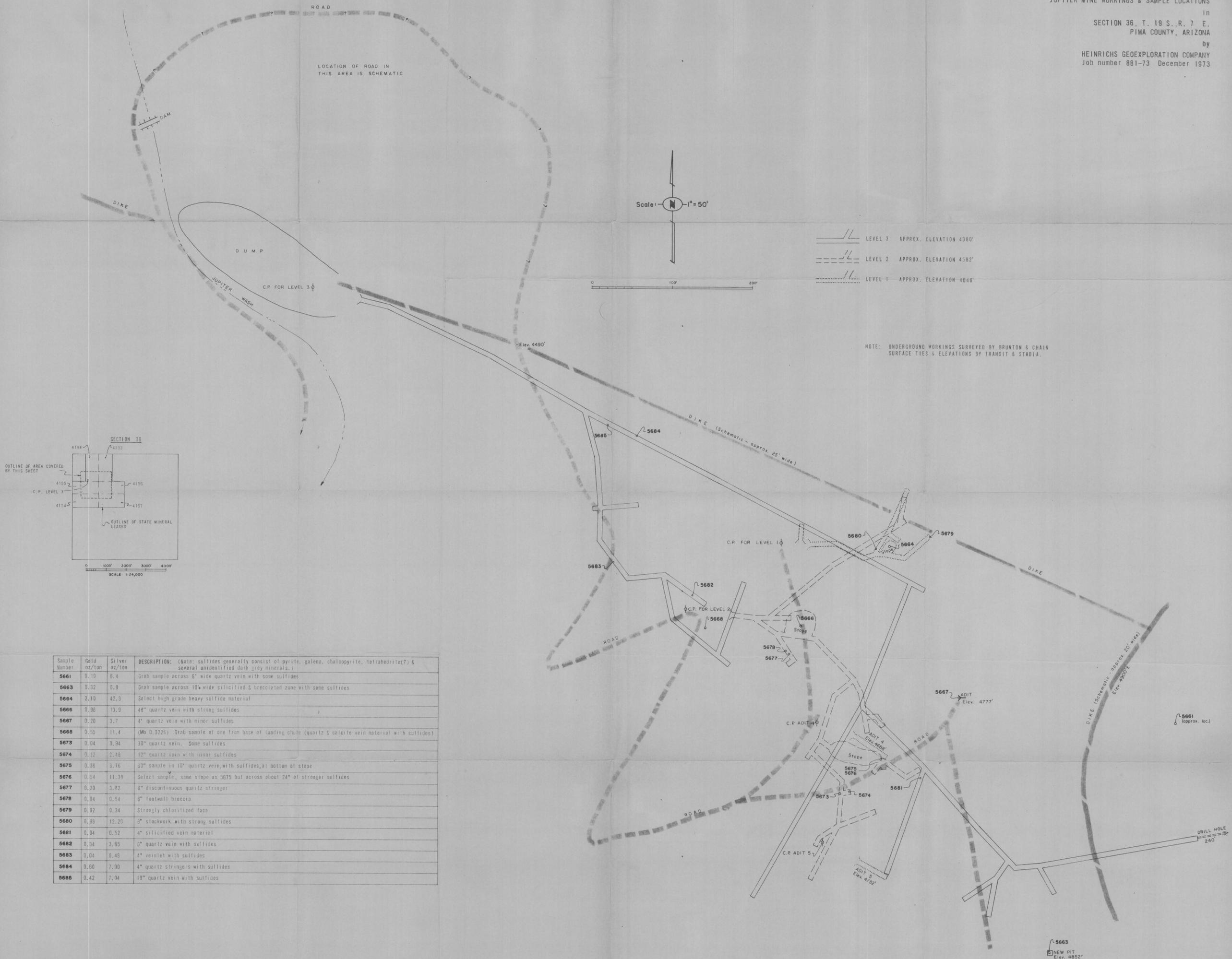
SURVEY BY BRANTON & CHAIN  
HEINRICHS GEOEXPLORATION CO.  
TUCSON, ARIZONA

COMPOSITE SKETCH PLAN  
 of  
 JUPITER MINE WORKINGS & SAMPLE LOCATIONS  
 IN  
 SECTION 36, T. 19 S., R. 7 E.  
 PIMA COUNTY, ARIZONA  
 by  
 HEINRICHS GEOEXPLORATION COMPANY  
 Job number 881-73 December 1973



Sample Number	Gold oz/ton	Silver oz/ton	DESCRIPTION: (Note: sulfides generally consist of pyrite, galena, chalcocite, tetrahedrite, & several unidentified dark grey minerals.)
5660	0.19	0.4	2 1/2" sample across 8" wide quartz vein with some sulfides
5663	0.32	0.8	2 1/2" sample across 10" wide sulfidized & fractured zone with some sulfides
5664	7.10	42.3	Sample from grade heavy sulfide material
5666	0.90	12.2	4 1/2" quartz vein with stringer sulfides
5667	0.20	3.7	4" quartz vein with minor sulfides
5668	3.55	11.4	(M. 2 2 1/2") 2 1/2" sample of ore from base of leading 4" wide quartz & calcite vein material with sulfides
5670	0.04	9.94	3 1/2" quartz vein, some sulfides
5674	0.12	2.49	1 1/2" quartz vein with minor sulfides
5675	3.35	0.75	2 1/2" sample in 10" quartz vein with sulfides at bottom of stope
5676	0.54	11.19	Sample similar, same stope as 5675 but across about 2 1/2" of stringer sulfides
5677	0.20	3.32	2" disseminated quartz stringer
5678	0.04	0.56	2" footwall breccia
5679	0.02	0.34	Strongly chloritized zone
5680	0.35	12.25	4" stockwork with strong sulfides
5681	0.04	0.92	4" sulfidized vein material
5682	0.24	3.05	2" quartz vein with sulfides
5683	0.04	0.45	4" veinlet with sulfides
5684	9.00	9.30	4" quartz stringers with sulfides
5685	0.42	1.84	1 1/2" quartz vein with sulfides

COMPOSITE SKETCH PLAN  
of  
JUPITER MINE WORKINGS & SAMPLE LOCATIONS  
in  
SECTION 36, T. 19 S., R. 7 E.  
PIMA COUNTY, ARIZONA  
by  
HEINRICHS GEOEXPLORATION COMPANY  
Job number 881-73 December 1973



Sample Number	Gold oz/ton	Silver oz/ton	DESCRIPTION: (Note: sulfides generally consist of pyrite, galena, chalcopyrite, tetrahedrite(?) & several unidentified dark grey minerals.)
5661	0.19	6.4	Grab sample across 6" wide quartz vein with some sulfides
5663	0.32	6.8	Grab sample across 10 1/4" wide silicified & brecciated zone with some sulfides
5664	2.10	42.3	Select high grade heavy sulfide material
5666	0.96	13.9	48" quartz vein with strong sulfides
5667	0.20	3.7	4" quartz vein with minor sulfides
5668	0.55	11.4	(Mo 0.022%) Grab sample of ore from base of loading chute (quartz & calcite vein material with sulfides)
5673	0.04	0.94	30" quartz vein. Some sulfides
5674	0.12	2.43	12" quartz vein with minor sulfides
5675	0.36	6.76	30" sample in 10" quartz vein, with sulfides, at bottom of stope
5676	0.54	11.38	Select sample, same stope as 5675 but across about 24" of stronger sulfides
5677	0.20	3.82	8" discontinuous quartz stringer
5678	0.04	0.54	8" footwall breccia
5679	0.02	0.34	Strongly chloritized face
5680	0.98	12.20	8" stockwork with strong sulfides
5681	0.04	0.52	4" silicified vein material
5682	0.34	3.65	8" quartz vein with sulfides
5683	0.04	0.46	4" veinlet with sulfides
5684	0.60	7.90	4" quartz stringers with sulfides
5685	0.42	7.04	18" quartz vein with sulfides