4--688

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MINERAL	SURVEY	NO.	4404
TITEL I TATAL TATA	O TO I LI	71O.	

*****************************	ARIZONA	
	ARIZONA	Land District.
	FIELD NOTES	
	Of The Survey Of The Mining (	Claim Of
***************************************	KENNECOTT COPPER CORPORAT	ION
	YF	
Diahasa No. 1 Dia	Known As The	
Diabase No. 8, Di	base No. 2, Diabase No. 4, Dia abase No. 10, Diabase No. 13,	abase No. 5, Diabase No. 7, Diabase No. 14, Diabase No.
	Mineral Creek	Mining District,
Pinal	County,	Arizona
	24 , Township 3 South  order dated June 26	
		ar T. Smith Mineral Surveyor.
iabase No. 8 and 1	base No. 2, Diabase No. 4, Dia Diabase No. 10 lodes, located Diabase No. 15 lodes located ated	May 6, 1948. Diabase No. 13, June 14, 1948.
Claim loca		
Claim loca	mmenced July 10	, 19 <u>56</u>
Survey con	mmenced July 10 mpleted May 30	
Survey con		, 19_57_
Survey con	mpleted May 30	, 19_57_

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#### MINERAL SURVEY NO. 4404

Chains Feet

MCII

30" E.

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This survey was made with a Keuffel and Esser Transit No. 131481, with horizontal limb 5 ins. diam., having two double opposit verniers, and full vertical circle 4 ins. diam., having one double vernier; the verniers read to one minute of arc; the eyepiece is equipped with a colored shade set in the dust shutter for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation:

July 10, 1956, at a point from which cor. No. 1 Diabase No. 1 lode of this survey bears N. 66° 45' 20" W., 599.92 ft. dist. in latitude 33° 10' 10" N. and longitude 110° 58' 45" W., I make a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point about 1,660 ft. SW., clockwise to the sun.

interiods Line 1-3 Mean time of observation, 105th meridian standard time =2h59m30s p.m. Declination of sun at mean time 132 72 of observation . =22° 09' 20" Mean observed vertical angle to sun's center =55° 021 30" Mean horizontal angle from reference point to sun's center =26° 35' 50" SW. True bearing to reference point =\$. 54° 52' 04" W,

The lines were measured with a Keuffel and Esser steel tape 500 ft. in length, graduated every foot for 500 ft., with the first and last foot graduated in tenths and hundredths; the tape was compared with a standard 100 ft. invar tape at the time of beginning of the survey and found correct.

. All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 13° 41' E.

## SURVEY NO. 4404

## DIABASE NO. 1 LODE

At cor. No. 1 of Diabase No. 1 lode, identical with cor. No. 2 of Diabase No. 2 lode, cor. No. 3 of Diabase No. 5 lode, and cor. No. 4 of Diabase No. 4 lode of this survey.

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Set an Tron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground, with brass cap mkd. D1-1-D2-2-D5-3-D4-4-4404; from which

The ½ sec. cor. of secs. 12 and 13, T. 3 S., R. 13 E., G. & S. R. M. bears S. 37° 14' E., 1,159.80 ft. dist., an iron post, 1 in. diam., with brass cap 14 ins. above ground, firmly set, mkd. and witnessed as described in the official records.

No local bearing objects or bearing trees available.

	Chains	ternament of the control of the cont
013	intiov out	ogge a. dach cas (mars) . cas . cas . Sin a cas . Sin a cas .
	300.0 e	Lode line; discovery point bears N. 0° 48' 30" E., 100 ft. dist.
		Intersect line 1-6 Sur. No. 2572a Sleeper lode, at a point from which cor. No. 6 bears N. 29° 08' E., 1,016.38 ft. dist.
	591.95	Cor. No. 2, identical with cor. No. 3 of Diabase No. 4 lode of this survey.
		Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground, with brass cap mkd. D1-2-D4-3-4404; from which
	ni Joi	Cor. No. 6, Sur. No. 2572a, Sleeper lode, bears N. 32° 12' 30" E., 1,048.06 ft. dist.
ß	. occusels	No local bearing objects or bearing trees available.
		a dilog son Thence N. 0. 31 'Es abinosiron ou a mibasa dus
	867.45	Intersect line 2-3 Sur. No. 2465, Queen Lil lode, at a point from which cor. No. 3 bears N. 83° 18' E., 485.69 ft. dist.
	1,132.72	Intersect line 4-5 Sur. No. 2572a, Sleeper lode, at a point from which cor. No. 5 bears N. 28° 42' E., 47.01 ft. dist.
	1,460.12	Intersect line 4-1 Sur. No. 2465, Queen Lil lode, at a point from which cor. No. 4 bears N. 83° 07' 30" E., 298.53 ft. dist.
	1,500.04	Cor. No. 3: unit somereier to militare suit
		Set an iron pipe, 3 ft. long, 12 ins. diam., 18 ins. in the ground, with brass cap mkd. D-1-3-4404; from which
	pertunta	Cor. No. 5, Sur. No. 2572a, Sleeper lode, bears S. 3° 23' E., 326.64 ft. dist.
	1001.6	Cor. No. 3 Sur. No. 2465, Queen Lil lode, bears S. 39 36 50" E., 747.55 ft. dist.
	fo∧sn€ or	Gor. No. 4 Sur. No. 2465, Queen Lil lode, bears S. 89 11 20 E., 296.06 ft. dist.
		No local bearing objects or bearing trees available.
		Thence S. 89 ° 04' E.
	291.42	Intersect line 4-1 Sur. No. 2465, Queen Lil lode, at a point from which cor. No. 4 bears N. 83° 07' 30" E., 4.68 ft. dist.
	296.27	Intersect.line 3-4 Sur. No. 2465, Queen Lil lode, at a point from which cor. No. 3 bears S. 17° 32° E., 598.87 ft. dist.
	299.52	Lode line; discovery point bears S. 0 48' 30" W., 1,400 ft. dist.
	599.52	Cor. No. 4, identical with cor. No. 3 of Diabase No. 2 lode of this
	и и в	survey. L. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
	i. dicm., Linco.sed	
		No local bearing objects or bearing trees available.
	NAME OF THE OWNER.	

	Mineral Survey No. 4404	
Chains	Thence S. 0 48' 30" W.	
1,500.0	Cor. No. 1, and place of beginning.	
Tt. dist.	300 0 Jude the secret paint bear a 0° 33 to 10 to 1, 10 to	
	DIABASE NO. 2 LODE SOURCE O. SABAID	
de of this	Beginning at cor. No. 1 of the diabase No. 2 lode, identical with on the Diabase No. 5 lode of this survey.	or.
ne ground,	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground with brass cap mkd. D2-1-D5-4-4404; from which	,
29• 21	The k sec. cor, of secs. 12 and 13 bears S. 6° 21' 30" E., 919.30 dist, previously described.	Et.
	No local bearing objects or bearing trees available.	
	Thence N. 89 . 04 W. 12 0 . W some T	
300.0	Lode line; discovery point bears N. 0° 48' 30" E., 100 ft. dist.	
600.0	Cor. No. 2, identical with cor. No. 3 of Diabase No. 5 lode, cor. No. 4 of Diabase No. 4 lode, and cor. No. 4 of Diabase No. 1 lode of this survey.	lo.
	Thence N. 0° 48' 30" E.	
	Cor. No. 3, identical with cor. No. 4 of Diabase No. 1 lode of this survey of the Cor. No. 25/22 Cor. No. 25/23 Cor. No. 25/24	3
300.0	Lode line; discovery point bears S. 0 48 30 W., 1,400 ft. dist.	
	1,37/.0 Intersect Anne 6-1 Sur. No. 25.2s, Sleeper Rode, at a policy of the cor. No. 40.00 No. 1,101.11 Et. Od. 100.	
de of this	Set an iron pipe, 3 ft. long, 12 ins. diam., 18 ins. in the ground, with brass cap mkd. D2-4-4404.	
	No local bearing objects or bearing trees available.	
1,500.0	Thence S. 0° 48' 30" W	<i>x</i>
1 3 1 2 3	Beginning at cor. No.lof Diabase No. 4 lode, identical with cor. No. 2 of Diabase No. 5 lode, cor. No. 4 of Diabase No. 8 lode, Cor. No. 1 of Diabase No. 7 lode of this survey.	
	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground, with brass cap mkd. D4-1-D5-2-D8-4-D7-1-4404; from which	
	The k sec. cor. of secs. 12 and 13 bears N. 51° 22° 20° E., 916.77 ft. dist, previously described.	
	No local bearing objects or bearing trees available.	
	Thence N. 89° 04' W. and place of be initial.	1000

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Chains Feet	DIABASE NO. 5 LODE  B 38 SECTIONS SECTION OF THE SE	
сог. Иа. 4	Beginning at cor. No. 1 Diabase No. 5 lode; identical with cor. Diabase No. 8 lode of this survey.	No. 1
	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the growith brass cap mkd. D5-1-D8-1-4404; from which	
371 201 1	The k sec. cor. of secs. 12 and 13 bears N. 11 17 50 E., 593 ft. dist., previously described.	.57
	No local bearing objects or bearing trees available.	
	Thence N. 989 04! W. C. galaned Isself on	
300.0	Lode line; discovery point bears N. 0 33 10" E., 1,395.77 ft.	dist.
690.0	Cor. No. 2, identical with cor. No. 4 of Diabase No. 8 lode, cor. 1 Diabase No. 7 lode, cor. No. 1 Diabase No. 4 lode of this sur	
.Jalb	Thence N. 0 9 33 1 10" E	3
322.0	93.61 Tor. 14. 3, two Michael Wich cor. No. 3 Dichaes No. 10. Wash	
500.0	Road.	
966.0	Set an aria page, 3 ar. lung, it ins. daan, it thus. in the wash. Wash.	
1,096.0	Wash.	
1,495.77	Cor. No. 3, identical with cor. No. 4 Diabase No. 4 lode, cor.	No. 1
1,475.77	Diabase No. 1 lode, cor. No. 2 Diabase No. 2 lode of this surve	у.
1,473.77	Thence S. 89 04 E.	
300.0	Thence S. 89° 04' E	I. I
300.0	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist	Г, Л , Д
	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of this	Г, Л , Д
300.0	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of this  Thence S. 0° 33' 10" W.	.,1 s surve
300.0 600.0	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of this  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.	s surve
300.0	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of this  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.	s surve
300.0 600.0	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of this  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.	s surve
300.0 600.0 520.0 815.0	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of this  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.  Road, bears S. 71° W. and N. 71° E.	s surve
300.0 600.0 520.0 815.0 860.0 1,495.77	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of this  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.  Road, bears S. 71° W. and N. 71° E.  Cor. No. 1, and place of beginning.	s surve
300.0 600.0 520.0 815.0 860.0 1,495.77	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of thi  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.  Road, bears S. 71° W. and N. 71° E.  Cor. No. 1, and place of beginning.  DIABASE NO. 7 LODE  Beginning at cor. No. 1 Diabase No. 7 lode, identical with cor.  Diabase No. 7 lode, identical with cor.	s surve
300.0 600.0 520.0 815.0 860.0 1,495.77	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of this  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.  Road, bears S. 71° W. and N. 71° E.  Cor. No. 1, and place of beginning.  DIABASE NO. 7 LODE  Beginning at cor. No. 1 Diabase No. 7 lode, identical with cor. Diabase No. 4 lode, cor. No. 2 Diabase No. 5 lode, cor. No. 4 Diabase No. 8 lode of this survey.	s surve
300.0 600.0 520.0 815.0 860.0 1,495.77	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of thi  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.  Road, bears S. 71° W. and N. 71° E.  Cor. No. 1, and place of beginning.  DIABASE NO. 7 LODE  Beginning at cor. No. 1 Diabase No. 7 lode, identical with cor.  Diabase No. 4 lode, cor. No. 2 Diabase No. 5 lode, cor. No. 4  Diabase No. 8 lode of this survey.  Thence S. 1° 33' 20" W.	s surve
300.0 600.0 520.0 815.0 860.0 1,495.77	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of thi  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.  Road, bears S. 71° W. and N. 71° E.  Cor. No. 1, and place of beginning.  DIABASE No. 7 LODE  Beginning at cor. No. 1 Diabase No. 7 lode, identical with cor. Diabase No. 4 lode, cor. No. 2 Diabase No. 5 lode, cor. No. 4 Diabase No. 8 lode of this survey.  Thence S. 1° 33' 20" W.  Road, bears N. 30° W. and S. 30° E.  Wash, course N. 89° W.	s surve
300.0 600.0 520.0 815.0 860.0 1,495.77	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of thi  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.  Road, bears S. 71° W. and N. 71° E.  Cor. No. 1, and place of beginning.  DIABASE No. 7 Lode  Beginning at cor. No. 1 Diabase No. 7 lode, identical with cor.  Diabase No. 4 lode, cor. No. 2 Diabase No. 5 lode, cor. No. 4  Diabase No. 8 lode of this survey.  Thence S. 1° 33' 20" W.  Road, bears N. 30° W. and S. 30° E.	s surve
300.0 600.0 520.0 815.0 860.0 1,495.77	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of thi  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.  Road, bears S. 71° W. and N. 71° E.  Cor. No. 1, and place of beginning.  DIABASE No. 7 LODE  Beginning at cor. No. 1 Diabase No. 7 lode, identical with cor.  Diabase No. 4 lode, cor. No. 2 Diabase No. 5 lode, cor. No. 4  Diabase No. 8 lode of this survey.  Thence S. 1° 33' 20" W.  Road, bears N. 30° W. and S. 30° E.  Wash, course N. 89° W.	s surve
300.0 600.0 520.0 815.0 860.0 1,495.77	Thence S. 89° 04' E.  Lode line; discovery point bears S. 0° 33' 10" W., 100 ft. dist  Cor. No. 4, identical with cor. No. 1 Diabase No. 2 lode of thi  Thence S. 0° 33' 10" W.  Wash, course S. 57° W.  Wash, course S. 61° W.  Road, bears S. 71° W. and N. 71° E.  Cor. No. 1, and place of beginning.  DIABASE No. 7 LODE  Beginning at cor. No. 1 Diabase No. 7 lode, identical with cor.  Diabase No. 4 lode, cor. No. 2 Diabase No. 5 lode, cor. No. 4  Diabase No. 8 lode of this survey.  Thence S. 1° 33' 20" W.  Road, bears N. 30° W. and S. 30° E.  Wash, course N. 89° W.	s surve

Chains Feet		
	ons oc	to etc
1,415.41	Intersect line 2-3 Sur. No. 2569a Black Hussar lode at a point which cor. No. 2 bears N. 88° 20' W., 129.55 ft. dist.	from
1,477.85	Cor. No. 2, identical with cor. No. 3 Diabase No. 8 lode, cor. Diabase No. 10 lode of this survey.	No. 4
ve.eee .	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the gr with brass cap mkd. D7-2-D8-3-D10-4-4404; from which	ound,
	Cor. No. 2 Sur. No. 2569a, Black Hussar lode, bears N. 62° 37' 143.92 ft. dist.	20" W.
	No local bearing objects or bearing trees available.	
s 35 . sa C	Thence N. 89° 04' W. nog gravour a gent about 0.	oge 1
127.65	Intersect line 1-2 Sur. No. 2569a, Black Hussar lode, at a poi which cor. No. 2 bears N. 0° 09' W., 64.10 ft. dist.	
300.0	Lode line; discovery point bears N. 1. 33' 20" E., 100 ft. dis	t.
593.81	Cor. No. 3, identical with cor. No. 3 Diabase No. 10 lode of t	his
	Set an iron pipe, 3 ft. long, 12 ins. diam., 18 ins. in the gr	ound,
	1 mi N 1 0 10 1 12	.,00
480.0	Wash, course S. 70° W	ē(4, 1
690.0	Wash, course S. 45° W.	
1,130.0	Wash, course S. 78° W.	
	Cor. No. 4, identical with cor. No. 2, Diabase No. 4, of this	survey
	Oct. No. 4, identical with cor. No. 1 Massac No. 1 lode Thence S. 89 04 8.	Company of the Compan
253.0	Wash.	
300.0	Lode line; discovery point bears S. 1° 33' 20" W., 1,377.85 ft	dist
	.0 West, course a 61° M.	
520.0	Road. W. M. Dears S. Ji. V. and W. M. R.	088
600.0	Cor. No. 1, and place of beginning.	1,415
	DIABASE NO. 8 LODE	
n cor. No.	Beginning at cor. No. 1, Diabase No. 8 lode, identical with continuous property.	or. No.
	Thence S. 1° 33' 20" W.	
	Road, bears N. 61° W. and S. 61° E.	
360.0		
360.0	Wash, course S. 77° W.	89
360.0 485.0 895.0	Wash, course S. 41° W.	

-		The state of the s
	Chains Feet 1,477.85	Feet Feet 200.00 Lode line; discovery point bears N. 2. 05 R., 1, 300.00
	3620	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground,
		with brass cap mkd. D8-2-4404; from which
	de of thi	Cor. No. 3 Sur. No. 2569a, Black Hussar lode, bears N. 65° 25' 50" W., 140.71 ft. dist.
	punoig e	No local bearing objects or bearing trees available.
		. • Lection Thence N. 89° 04' We do in most facel of
	128.05	Intersect line 3-4 Sur. No. 2569a, Black Hussar lode, at a point from which cor. No. 3 bears N. 0° 04' E., 56.41 ft. dist.
	300.0	Lode line; discovery point bears N. 1° 33' 20" E., 100 ft. dist.
	600.0	Cor. No. 3, identical with cor. No. 4 Diabase No. 10 lode, cor. No. 2 Diabase No. 7 lode of this survey.
102	a point f	Thence N. 1. 33' 20" E T. 2 1-4 salt assessor 60.040, I
0:	62.44 z dnieg s	Intersect line 2-3 Sur. No. 2569a, Black Hussar lode, at a point from which cor. No. 2 bears N. 88° 20' W., 129.55 ft. dist.
	343.0	which car. No. a pears s. 30° 39' E., 224.0- it. dist.
	1,066.0	1,49 .54 Cor. No. 3, Lientical vith cor. No. 3 of Distancing. A lod
100	1,380.0	Cor. is. 1 Sur. Wo. 1466, Copper Contact Lods, bears
		Cor. No. 4, identical with cor. No. 1, Diabase No. 7 lode, cor. No. 1 Diabase No. 4 lode, cor. No. 2 Diabase No. 5 lode.
	. 1	293.91 Fode line; discovery point "E . 89 ° 08 . 8 sond 100 it. dis
inc	300.0	Lode line; discovery point bears S. 1° 33' 20" W., 1,377.85 ft. dist.
	600.0	Cor. No. 1, and place of beginning.
	e and cor	DIABASE NO. 10 LODE
		'America S. '7' US' T
		Beginning at cor. No. 1 of Diabase No. 10 lode, identical with cor. No. 3 of Diabase No. 14 lode and cor. No. 4 of Diabase No. 13 lode of this survey.
		Set an iron pipe, 3 ft. long, 12 ins. diam., 18 ins. in the ground, with brass cap mkd. D10-1-D14-3-D13-4-4404; from which
i i i	er ining	The ½ sec. cor. of secs. 13 and 24, T. 3 S., R. 13 E., G. & S. R. M. bears S. 24° 54' E., 1,900.75 ft. dist., a 1 in. iron pipe with a brass cap, 12 ins. above ground, firmly set, mkd. and witnessed as described in the official record.
		Cor. No. 1 Sur. No. 2569a, Black Hussar lode, bears N. 31° 15' 10" W., 134.29 ft. dist.
		No local bearing objects or bearing trees available.
	tich cor.	Reginning at cor. No. 1 of .W. 200. 8 . N. 200. 6. No. 1 of .W. 200. 1 identical

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Chains Feet	
300.0	Lode line; discovery point bears N. 2° 05' E., 1,398.61 ft. dist.
325.0	Wash, course S: 48. Wann in , and . Id & , ool , well no de witt bries dan dand. D8-2-440.
556,56	Cor. No. 2, identical with cor. No. 3 of Diabase No. 13 lode of this survey.
00 00	survey. ash .sail .sail .v. 041V
	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground with brass cap mkd. D10-2°D13°3-4404.
	No local bearing objects or bearing trees available.
podut from	125.05 Intersect line 1-4. 311106 196 . A Shert wast lode, at a which cor. No. 3 nears N. 0 00 35.41 ft. dist.
265.0	Road, bears N. 56° E. and S. 56° W.
465.0	Wash, course S. 46° W.  One of salada A . olf . roo salada a control of . olf . roo old .
960.0	Road, bears N. 71° W. and S. 71° E. 10 Shot Sasda II
1,045.09	Intersect line 4-1 Sur. No. 2466, Copper Contact lode, at a point from
point from	which cor. No. 4 bears N. 55° 21' E., 158.68 ft. dist.
1,319.63	Intersect line 3-4 Sur. No. 2466, Copper Contact lode, at a point from which cor. No. 4 bears S. 34° 39' E., 224.04 ft. dist.
1,498.34	Cor. No. 3, identical with cor. No. 3 of Diabase No. 7 lode of this survey; from which
cor. No. 1	Cor. No. 4 Sur. No. 2466, Copper Contact lode, bears S. 19 ° 02 ° 50 ° E. 384.06 ft. dist.  Thence S. 89 ° 04 ° E.
293.81	Lode line; discovery point bears S. 2° 05° W., 100 ft. dist.
466.16	Intersect line 1-2 Sur. No. 2569a, Black Hussar lode, at a point from which cor. No. 2 bears N. 0 09 W., 64.10 ft. dist.
593.81	Cor. No. 4, identical with cor. No. 2 of Diabase No. 7 lode and cor. No. 3 of Diabase No. 8 lode of this survey.
was at it	Thence S. 2° 05' W.
440.0	Road, bears N. 84 W. and S. 84 E. 1 . Of suscessed to c. cli
690.0	Road, bears N. 83° W. and S. 83° E.
750.0	Road, bears N. 31° E. and S. 31° W.
1,270.0	Wash, course S. 32. W. 32 and 24, 3 and 24 and 3
1,383.88	Intersect line 4-1 Sur. No. 2569a, Black Hussar lode, at a point from which cor. No. 1 bears N. 89 53' W., 73.84 ft. dist.
1,498.61	Cor. No. 19 and place of beginning. Co
	eduliare apering bearing trees available.
	Beginning at cor. No. 1 of Diabase No. 13 lode, identical with cor. No. 2 of Diabase No. 14 lode of this survey.

Chains Feet	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground, with brass cap mkd. D13-1-D14-2-4404; from which
	The 1 sec. cor. of secs. 13 and 24 bears S. 67° 01' E., 845.42 ft. dist., previously described.
	No local bearing objects or bearing trees available.
ith cor	Le ununt de cor. No. 89 04 04 04 04 06 00 00 00 00 00 00 00 00 00 00 00 00
300.0	Lode line, discovery point bears N. 0° 54' W., 100 ft. dist.
370.0	
- 555.25	Intersect line 2-3 Sur. No. 1244, Vermont lode, at a point from which cor. No. 3 bears S. 10° 22' E., 454.19 ft. dist.
600.0	Cor. No. 2.9511 unitsed to accepte guitaed labor on
	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground with a brass cap mkd. D13-2-4404.
	No local bearing objects or bearing trees available.
.10	100.0   Lade Line; discovery point bears H. O° 56' W., Als. O Mt. di
224.73	Thence N. 0° 53' EW °68 .8 5ms .3 °68 .4 sused , bacd 0.068
	Intersect line 2-3 Sur. No. 1244, Vermont lode, at a point from which cor. No. 3 bears S. 10. 22. E., 683.37 ft. dist.
250.0	Road, bears N. 43° W. and S. 43° E.
450.0	Road, bears N. 27° W. and S. 27° E.
520.0	Road, bears N. 40° W. and S. 40° E.
600.0	Road, bears N. 31° W. and S. 31° E.
850.0	Road, bears N. 40° E. and S. 40° W
990.0	Wash, course S. 88° W. 5 '80 ° CU . 3 some M'
1,150.0	Wash, course S. 42° W. G wrand into trace the course of 42° W. G wrand into trace the course of the
1,300.0	Road, bears N. 56° E. and S. 56° W.
1,393.40	Cor. No. 3, identical with cor. No. 2 of Diabase No. 10 lode of this survey.
50" 1.	El ° 1
230.0	Wash.
256.56	Lode line, discovery point bears S. 0° 54' E., 1,294.13 ft. dist.
556.56	Cor. No. 4, identical with cor. No. 1 of Diabase No. 10 lode and cor. No. 3 of Diabase No. 14 lode of this survey.
	Thence S. 0° 54' E.
790.0	Road, bears N. 63° E. and S. 63° W.
	which ser. Mo. 1 Jeans 5. 30° 03' W., 145.30 At., ulbi.
	2,387.35 Joyn. 15.
The state of the s	

	Mineral Survey No. 4404
Chains Feet 900.0	Week Set an Aron pape, 3 ft. Lone, 1 ins. C. a., 18 and the Road, bears N. 43° W. and S. 43° Road, bears N. 43° W. and S. 43° Road, bears N. 43° W. and S. 43° Road, bears of the Road, bears of the Road, bears of the Road o
1,394.13	Cor. No. 1, and place of beginning 200
	. elds Leva seer and DIABASE NO. 14 LODE
	Beginning at cor. No. 1 of Diabase No. 14 lode, identical with cor. No. 1 of Diabase No. 15 lode of this survey.
. :)	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground, with brass cap mkd. D14-1-D15-1-4404; from which
tow most .	The k sec. cor. of secs. 13 and 24 hears S. 29 07 E., 366.64 ft. dist., previously described.
	No local bearing objects or bearing trees available.
punois o	Thence N. 89 . W
225.0	Road, bears N. 58° W. and S. 58° E.
300.0	Lode line; discovery point bears N. 0° 54' W., 113.0 ft. dist.
550.0	Road, bears N. 35° E. and S. 35° W.
600.0	Cor. No. 2, identical with cor. No.01 of Diabase No. 13 lode of this survey.
	Thence N. 0° 54' W.
495.0	Road, bears N. 43° W. and S. 43° E.
605.0	Road, bears N. 63° E. and S. 63° W.
1,394.13	Cor. No. 3, identical with cor. No. 1 of Diabase No. 10 lode and cor No. 4 of Diabase No. 13 lode of this survey.
	Thence S. 89° 04' E STEED (APRIL 0.088
300.0	Lode line; discovery point bears S. 0° 54' E. 1,281.13 ft. dist.
600.0	1,300.0 Road, bears N. 50° E. and S. 56° W
de of this	Set an iron pipe, 3 ft. long, 1½ instadiam., 18 instantaground, with brass cap mkd. D14-4-4404; from which.
	Cor. No. 1 Sur. No. 3958, Genevieve lode, bears S. 11° 13' 50" W., 709.06 ft. dist.
	No local bearing objects or bearing trees available.
	Libb. 30 Louis Mine, discovery point bears. 0 ° Jah M., I, 194.13 ft.  Thence S. 0 ° J4 ' E.
339.06	Intersect line 1-2 Sur. No. 3958, Genevieve lode, at a point from which cor. No. 1 bears S. 21° 55' W., 384.20 ft. dist.
370.06	Road, NbearsbNar58. Ellands . W58.3W4.
683.52	Intersect line 4-1 Sur. No. 3958, Genevieve lode, at a point from which cor. No. 1 bears S. 85° 23' W., 149.30 ft. dist.
1,394.13	Cor. No.

Chains Feet 1,394.13	Cor. No. 1, and place of beginning. 983 38 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Diabase No. 15 Lode sraed 0.640
	Beginning at Cor. No. 1 of Diabase No. 15 lode, identical with cor. No. 1 of Diabase No. 14 lode of this survey.
	Thence S. 0° 48' W.
130.0	Road, bears N. 48° W. and S. 48° E.
300.0	Lode line; discovery point bears N. 89° 04' W., 115 ft. dist.
0.000	Cor. No. 2.
8.136 5.297	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground, with brass cap mkd. D15-2-4404.
3.548	ebol regest (BACC . A . 110 A
166.02	Thence N. 87° 47' W.
843.93	Intersect line 3-4 Sur. No. 2881A, Copper King lode, at a point from which cor. No. 4 bears N. 1° 59. E., 184.57 ft. dist.
1,500-45	Cor. No. 3.
20.602	Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground with brass cap mkd. D15-3-4404; from which
20.230	Cor. No. 3 Sur. No. 1244, Vermont lode, bears N. 75. 17' 10" E., 449.04 ft. dist.
1787	our. Ms. 256Pa; Missar lode
26.355	Cor. No. 4 Sur. No. 2881A, Copper King lode, bears N. 76° 29' 50" E., 681.25 ft. dist.  obol 8.ch seadald assa later  dist. obol 8.ch seadald assa later
643	No local bearing objects or bearing trees available.
19.72	Thence No. 10 481: E. essació sesació Area in conflict with
128,39 804.0	line 3-4 Sur. No. 1244, Verment lode, at a point from which cor. No. 4 bears N. 78° 50' E., 674.80 ft. dist. and cor. No. 3 bears
	N. 78° 50' E., 442.29 ft. dist. on seadale , seas sea
266.50	
566.50	Cor. No. 4. soul Af . OA seadait , asau late
1986	Set an iron pipe, 3 ft. long 1½ ins. diam., 18 ins. in the ground, with brass cap mkd. D15-4-4404.
20:082	No local bearing objects of beafing trees available.
4.435	of the duration and a very very ont loce
2.606	Thence S. 89° 04! E. 190100 (A. 100)
300.0	Cor. No. 2 of Diabase No. 13 of this survey.
344.71	Intersect line 2-3 Sur. No. 1244, Vermont lode, at a point from which cor. No. 3 bears S. 10° 22! E., 454.19 ft. dist.
525.0	Road, bears N. 7° W. and S. 7° E.

	Mineral Survey No. 4404	
Feet 900.0	Cor. No. 1 of Diabase No. 13 and cor. No. 2 of Diabase No. survey.	14 of this
940.0	Road, bears N. 35° E. and S. 35° W.	
1,370.0	Road, bears N. 58° W. and S. 58° E.	
1,500.0	Cor. No. 1, and place of beginning.	
	. SURVEY NO. 4404	0.02.0
.38.	Lode Line; discovery point beers H. 89° Oct N., LLS 10. d	0.000
e ground.	Total area, Diabase No. 1 lode  Area in conflict with the conflict	Acres 20.514
	Sur. No. 2572a, Sleeper lode	8.138 5.297
	Sur. No. 2465, Queen Lal lode, exclusive of its conflict with Sur. No. 2572a, Sleeper lode	3.548
	Total area, Diabase No. 2 lode	20.661
mort drieg	Total area, Diabase No. 4 dode Gara . A	20.465
	Sur. No. 2572a, Sleeper lode Sur. No. 2572a, Copper Carbonate lode	2.167
pimor" ə	Sec en from the dece of the ton, ly ins. dece., lo ins. in the brass can and. D15-sholot; oN seedaid, area lator	20.602
3 10	Total area, Diabase No. 7, lode ACT . A . The E . C TOO Area in conflict with	20.250
	Sur. No. 2569a, Black Hussar lode	.187
. M 'Oc 'es	Total area, Diabase No. 8 lode Area in conflict with	20.355
	Sur. No. 2569a, Black Hussar lode	.643
	Total area, Diabase No. 10 lode some T	19.784
. 100 10	Sur. No. 2466, Copper Contact Lode And Land Sur. No. 2466, Copper Contact Lode	3.201 0.408
arsed	Total area, Diabase No. 13 lode: CA.SAA 102 •87 .4.  Area in conflict with	18,498
.uelb	Sur. No. 1244, Vermont lodesed into gravoscit; and stoll	02.115
-	Total area, Diabase No. 14 lode Area in conflict with	19,193
c ground,	Sur. No. 3958, Genevieve lode not the sylvand of the with the state of the sylvant of the sylvan	.589
	Total area, Diabase No. 15 lode	20.082
	Sur. No. 1244, Vermont lode Sur. No. 2881A, Copper King lode	4.435 1.606
	Cor. No. 2 of piacese MOITADOL this survey.	6.008
rojiny mora	This survey is located in lots 7 and 10, sec. 12; lots 1, sec. 13; and lot 1, sec. 24, T. 3 S., R. 13 E.	9,66 and 7,
	Load, Dears H. J. V. and S. J. R.	525.0

		Mineral Bulvey No. 4404.
	Chains	Chica decimal drivers of the contract of which beers in 00°10°10°10°10°10°10°10°10°10°10°10°10°1
1	20' E., F	The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its grantors are as follows:
	No. 1	The discovery cut of the Diabase No. 1 lode, the face of which being the discovery point, is on the lode line 100 ft. from a point on line 1-2, 300 ft. from cor. No. 1; 15 ft. wide, 5 ft. face, runs S. 89° W., 50 ft. and N. 89° E. 50 ft.  Value, \$740
10	OT TON	fiere inprovenents are nor the development of shake
211	i lole, will the range	The discovery cut of the Diabase No. 2 lode, the face of which being the discovery point, is on the lode line 100 ft. from a point on line 1-2, 300 ft. from cor. No. 1; 6 ft. wide, 10 ft. face, runs west 15 ft.  Value, \$225
- 5	of late of the original of the original	The discovery shaft of the Diabase No. 4 lode, the center of which being the discovery point, is on the lode line 100 ft. from a point on line 3-4, 291.95 ft. from cor. No. 3; 7 x 8 ft., 5 ft. deep.  Value, \$140.
	s. î. 579.	The discovery cut of the Diabase No. 5 lode, the face of which being the discovery point, is on the lode line 100 ft. from a point on line 3-4, 300 ft. from cor. No. 3; 25 ft. wide, 9 ft. face, runs S. 42° W., 60 ft. and N. 42° E., 60 ft.
1:	No. 1	The discovery shaft of the Diabase No. 7 lode, the center of which being the discovery point, is on the lode line 100 ft. from a point on line 2-3, 300 ft. from cor. No. 2; 9 x 7 ft., 5 ft. deep. Value, \$157.50
	No. 1 .01 .01 c01 s .on .uud	The discovery shaft of the Diabase No. 8 lode, the center of which being the discovery point, is on the lode line 100 ft. from a point on line 2.3, 300 ft. from cor. No. 2; 6 x 7 ft., 5 ft. deep.  Value, \$105.
10	No. 1	The discovery shaft of the Diabase No. 10 lode, the center of which being the discovery point, is on the lode line 100 ft. from a point on line 3-4, 293.81 ft. from cor. No. 3; 10 x 7 ft., 4 ft. deep.  Value, \$140
	lone on of second or or or said	The discovery shaft of the Diabase No. 13 lode, the center of which being the discovery point, is on the lode line 100 ft. from a point on line 1.2, 300 ft. from cor. No. 1; 4 x 9 ft., 6 ft. deep.  Value, \$108
	No. 1	The discovery shaft of the Diabase No. 14 lode, the center of which being the discovery point, is on the lode line 113 ft. from a point on line 1-2, 300 ft. from cor. No. 1; 8 x 6 ft., 6 ft. deep.  Value, \$144
113	eil .da- c mcc c con- c rot c c by fur:	The discovery shaft of the Dia ase No. 15 lode, the center of which being the discovery point, is on the lode line 115 ft. from a point on line 1-2, 300 ft. from cor. No. 1; 6 x 8 ft., 5 ft. deep.  Value, \$120
	iqe has a extracti	An interest in common improvements described as follows:
		A rotary drill hole, the center of which bears N. 32° 29' E., 271.28 ft. from cor. No. 2 Diabase No. 4 lode, 202 ft. deep.

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- A diamond drill hole, the center of which bears N. 30° 12' E., 293.27 ft. from cor. No. 2 Diabase No. 4 lode, 485 ft. deep.
- A diamond drill hole, the center of which bears N. 6° 31' 20" E., 881 ft. from cor. No. 2 Diabase No. 4 lode, 178 ft. deep.

  A rotary drill hole, the center of which bears S. 29° 54' E., 215.90 ft. from cor. No. 4 Diabase No. 7 lode, 80 ft. deep.

  Value of diamond and rotary drill holes, \$4,927 Value of one-ninth interest, \$549-33 547.44.

These improvements are for the development of Diabase No. 1 lode, Diabase No. 2 lode, Diabase No. 4 lode, Diabase No. 5 lode, Diabase No. 7 lode, and Diabase No. 8 lode of this survey and Sur. No. 2572a Copper Carbonate and Sleeper lodes, Sur. No. 2465 Queen Lil lode, which are all the contiguous lode claims owned in common within the range of benefit of said drill holes.

Five hundred dollars or over has been expended in these improvements in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed, therefore an undivided one-ninth interest in its value is hereby credited to each of said lodes and a like interest apportioned to each of the other stated lodes of the common group.

- A diamond drill hole, the center of which bears S. 23 51 E., 579.67 ft. from cor. No. 3 Diabase No. 10 lode, 134 ft. deep.

  A diamond drill hole, the center of which bears S. 9°07' E., 514.81 ft. from cor. No. 3 Diabase No. 13 lode, 465 ft. deep.
- A diamond drill hole, the center of which bears N. 54 18' E., 169 ft. from cor. No. 2 Diabase No. 13 lode, 476 ft. deep.

Value of diamond and rotary drill holes, \$5,786 Value of one-ninth interest, \$642.89

These improvements are for the development of Diabase No. 10 lode, Diabase No. 13 lode, Diabase No. 14 lode, and Diabase No. 15 lode of this survey and Sur. No. 2466 Copper Contact lode, Sur. No. 2569a Black Hussar lode, Sur. No. 3958 Genevieve lode, Sur. No. 1244 Vermont lode, Sur. No. 2615A Copper King lode, which are all the contiguous lode claims owned in common within the range of benefit of said drill holes. . vd . tos meri

Five hundred dollars or over has been expended in these improvements in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed, therefore an undivided one-ninth interest in its value is hereby credited to each of said lodes and a like interest apportioned to each of the other stated lodes of the common group.

The original plan for development and extraction of ore is to open pit mine.

The portion of the known ore body which is presently being developed is widely disseminated low-grade copper-bearing ore which lies below the surface of the ground and extends downward to a considerable depth; the lateral boundaries of the ore body have not been defined and it is not necessary to prove its lateral extent by further diamond drilling, as an ore body of sufficient size and value has already been proved to warrant mining development leading to extraction of the ore ears of the center of which ears to the

It. from cor. No. 2 Disbase No. 4 Lode, .U. It. deep.

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#### OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 2465 Queen Lil lode: Cor. No. 1 destroyed, reset by owners with a 4 x 4 ins. post, 3 ft. above ground, firmly set and properly mkd. Cors. Nos. 3 and 4 are rocks firmly set and properly mkd. Cor. No. 4 Sur. No. 2572a Sleeper lode is on line 2-3, Queen Lil lode which was destroyed and reset by owners with 1 in. steel pin 12 ins. above ground, no markings. Line 4-1 was found to be S. 83° 07' 30" W., 1,476.08 ft. instead of S. 83° 04' W., 1,500 ft. as approved; line 3-4 was found to be N. 17° 32' W., 599.54 ft. instead of N. 17° 40' W., 600 ft. as approved; the portion of line 2-3 Sur. No. 2465, Queen Lil lode between cor. No. 3 of said lode and cor. No. 4 of Sur. No. 2572A, Sleeper lode on said line, was found to be S. 83° 18' W., 639.39 ft. instead of S. 83° 04' W., 640.81 ft. as approved.

Sur. No. 2572a Sleeper lode: Cor. No. 1 destroyed, reset by owners with a 4 x 4 ins. post, 3 ft. above ground, no markings. Cor. No. 4 destroyed, reset by owners with 1 in. iron pin 12 ins. above ground, no markings. Cor. No. 5 destroyed, reset by owners with 1 in. iron pin 12 ins. above ground, no markings. Cor. No. 6, rock, firmly set and properly mkd. Line 1-6 was found to be N. 29° 08' E., 1,484.23 ft. instead of N. 28° 43' E., 1,480.75 ft. as approved; line 6°5 was found to be N. 61° 21' W., 599.07 ft. instead of N. 61° 38' W. 593 ft. as approved; line 5-4 was found to be S. 28° 42' W., 369.86 ft. instead of S. 28° 22' W., 370.30 ft. as approved.

Sur. No. 2572a Copper Carbonate lode: Cor. No. 2, 4 x 4 ins. post, 2 ft. above ground and properly mkd. Cor. No. 3 and cor. No. 4 are destroyed, bearing rocks are in place. Cor. No. 5, a rock firmly set and properly mkd. Line 2-3 was found to be N. 39° 26' E., 1,472.29 ft. instead of N. 39° 23' E., 1,470 ft. as approved; line 3-4 was found to be S. 50° 54' E., 597 ft. instead of S. 51° 06' E., 600 ft. as approved; line 4-5 is correct as approved.

Sur. No. 2466 Copper Contact lode: Cors. Nos. 1, 3, and 4 are rocks, firmly set and properly mkd. Bearing on line 1-4 was found to be S. 55° 21' W., instead of S. 55° 27' W. as approved; distance correct as approved. Bearing on line 4-3 was found to be N. 34° 39' W., instead of N. 34° 33' W. as approved; distance correct as approved.

Sur. No. 2569a Black Hussar lode: Cors. Nos. 2, 3, and 4 are 4 x 4 ins. posts, firmly set and properly mkd.; cor. No. 1 destroyed. Line 1-2 was found to be N. 0° 09' W., 1,449.01 ft., instead of N. 0° 38' E., 1,450.6 ft. as approved; bearing on line 2-3 was found to be S. 88° 20' E., instead of S. 89° 45' E. as approved; distance correct as approved. Line 3-4 was found to be S. 0° 04' W., 1,432.77 ft., instead of S. 0° 38' W., 1,450.6 ft. as approved; line 4-1 was found to be N. 89° 53' W., 594.41 ft., instead of N. 89° 45' W., 600 ft., as approved.

Sur. No. 3958, Genevieve lode: Cors. Nos. 1, 2, and 4 are 1 inm. iron pipes with brass caps, firmly set and properly mkd. Line 1-2 was found to be correct as approved; line 1-4 was found to be correct as approved.

Sur. No. 1244 Vermont: lode: Grs. Nos. 2 and 3 are rocks, firmly set and properly mkd. Line 3-2 was found to be N. 10° 22' W., 1,485.39 ft., instead of N. 11° 10' W., 1,500 ft. as approved.

Sur. No. 2881A Copper King lode: Cors. Nos. 1 and 3 are  $4 \times 4$  in. posts, firmly set and properly mkd. Cor. No. 4 was destroyed, reset by owners with a 1 in. iron pin, with a  $1 \times 2$  in. guard stake

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Chains	ATAO AMIN' COMMININA DESCRIPTI NA AND SELECTION DATA	(Sunnul)
epet b; set and tyrojerly	properly mkd. Line 1-4 correct as approved; line 4-3 corrapproved. Cor. No. 4 Sur. No. 2881A Copper King lode and Sur. No. 1244 Vermont lode, the bearing was found correct distance was found to be 232.51 ft., instead of 233.24 ft.	Cor. No. 3 as approved:
	whet. Cor. 'te. 4 Sur. Mo. 1572a Sleeper Acts is on Mine 2	
be 8.783°	12 fus. above round, no marxin s. dine &-1 was re mid to	
	approved; hare 3-4 was found to be M. 17 32' ., 191.54	
	of wispersons with the between cor. W. S or said leter	
ed of	Milton Pearce Little no abol leepel Act Transitman	
	A. O. O. O. 1870 . S. O. S. Daedeni Art CE. CED W. 1871 . Chainman	
	Sur. No. 1.5/22 Sleeper Lode: Cor. No. I. destroyed, r	
	owners with a hand pose, into according to the country and the hand of the country and the country with him from the hand the country with him the country with the country wi	
as with 1	ground, no mar lings. Cor. No. 5 destroyed, reset by o me	
	in aren pin is ins. shove ground, no maritan s. Cor. No. firmly set and properly and. Line 1-6 was found to be b.	
roved; iinc	1,450.13 fc. instead of h. 28° 43' d., i, 40.75 fc. ap ap	
1 20 .1	0.3 res fecul to be M. el. Cl' W:, 559.07.11. instead of 559.3 fe. as up rowed; line 5-4 was found to be s. At. 421	
	fr. inproced of 5. 20 22 4., 370.30 fr. da approved.	
on siiis, pos	Sur. No. 1572s Copper Cerbonace Toda: 2 Cor. No. 1, 4	
925 \$ .0E	2 ft. above round and properly mkd. Cor. 10. 5 and cor.	
	desirated, letring rocks are in place. Cor. No. 5, a rock set and property mid. Line 2-5 was found to be N. 30° %	
vod; time	1,4,2,29 ft. inviced of N. 39° 23' B., 1,20 ft. ts appro	
11 OF E.	3-a was so no co oc 5. 30° 54' 8., 597 ft. instead of 5. 600 ft. as approved.	contraction of the second
as forma distance	Sur. No. 1466 copper Jonitett Lude: 6 rs. 800. 1, 3, r eks, firally set and properly mid. 10aring on line 1-4 t. 66 2.55° 1.7' %, instead of %. 55° 1.7' % as approved correct as approved.	
	W., instead of M. 34° 53' W. as approved; unstance correctly forest.	
l descroyed. cad of M. so found to lstance ., 1,432.77	Gir. No. 1500a Black Russer lode: Soro, goz. 2, 3, a 4 . 4 ins. posts, firmly set and projectly mid.; cor. No. Jaine 1-2 was round to be N. 0° 00' W., 1,403.0E., insteed 0. 50' W., 1,403.0E. as approved; becaring on line 2-3 was 5. 20° 20' Z., instead of S. 69° 45' E. as approved; derived as approved; defined as approved. Line 3-4 was found to be 3. 0° 04' ft., instead of S. 0° 34', 1,430.0 ft. as approved; lain, instead of S. 0° 39', 1,430.0 ft. as approved; lain, 1,430.0 ft. All ft., 1,430.0 ft.	
	ft., a. a. roved.	
Line 1-2	Sur. No. 3958, Senevieve lode: Cors. hos. 1, 2, and aren papes vist breas caps, firmly set and properly; mad. as found to be correct as approved; line 1-4 has mound that approved.	
	Sur. 10. 124 Fermone: LeGestra, Nos. 2 sud, 3 are rocso, and project, mid. who s-2 was found to be 2. 10° 22° W. fr., matect of a. 11° 10° W., 1,500 it. 28 approved.	
lestroyed,	ir. Mo. 2871A Copper Kgus lode: Core. tos. 1 and 3 gir. publs, firmly set and properly wid. Gir. h. 7 das dreet by wers with a L & La. iron pin, with a L & La.	

U. S. GOVERNMENT PRINTING OFFICE 16-61973-1

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

## CERTIFICATE OF SURVEYOR

		-	June 18	, 19_57_
I, OSCAR T. SMITH				
Mineral Surveyor, hereby certify upon honor that in	n pursuance	of an order rece	ived from the _Of	fice
Cadastral Engineer	, atPho	enix, Arizona	ı —	
datedJune 26, 1956				he survey of
the mining claim ofKennecott Copper Corpo Diabase No. 1, Diabase No. 2, Diabase No. known as the Diabase No. 10, Diabase No. 13	ration			
situate in Mineral Creek Mining District, Pi				
T. 3 S. , R. 13 E. , G. & S			(State)	
designated as Survey No, which executed by me and under my direction, and that sai the Manual of Instructions for the Survey of the Published in the foregoing field notes, and I do further	d survey has lic Lands of	been made in str the United Stat	rict conformity wit es. and in the spe	h said order, cific manner
upon or for the benefit of the Lode (Lode or placer)	loca	tion(s) embrace	d in the said min	ing claim by
claimant(s) or <u>its</u> grantors are extent, location, and itemized value thereof are speciportion of, or interest in, said labor and improvement of expenditures upon any other claim.	ified therein	with particular	ty and full detail.	and that no
Globe, Arizona (Place)	_	Oscar	Mineral Surveyor)	
CERTIFICATE	OF APPR	OVAL		
	Survey Office (Office)			
	Phoenix		August 7	, 19_58
The foregoing field notes of mineral survey No.	4404	in Secs. 12,	13 and 24	
, T. <u>3 S.</u> ,	R. 13 E.	<u> </u>	& S. R.	Meridian,
Arizona , executed by Oscar T. (State)	Smith		, Miner	al Surveyor,
under order dated <u>June 26, 1956 (Amended)</u> corrections made prior to their certification by the sare hereby approved.	havii	ng been critically	v examined and th	e necessory
		Lester	S. Mann	
			Cadastral Engin	eer
			(Title)	
CERTIFICATE	OF TRAN	SCRIPT		
I CERTIFY that the foregoing transcript of field n s a true copy of the original field notes.	otes of the a	bove described n	nineral survey No.	

(Title)

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#### CERTIFICATE OF SURVEYOR

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