UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE

688

MINERAL SURVEY NO. 4295

...... Arizona Land District.

11/5/45

1

# FIELD NOTES

Of The Survey Of The Mining Claim Of

and The Eagle - Picher Mining Smelting Co.

Known As The

ARGO, TURK, KEY, MINNESOTA, STAPLE, PASS, AND COLUMBIA Lodes.
Pime Mining District,
Pime County, Arizona

Sections 1,2, 11 and 12 , Township 17 S., Range 12 E.

Surveyed under instructions dated July 23 , 19 45

by <u>T. N. Stevens</u> Mineral Surveyor.

U-S. GOVERNMENT PRINTING OFFICE 6-9090

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE

ALL SURVEY NO. 4295

# FIELD NOTES

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Tor . Mry. Invador, Cartas, Mart. . To Countria Lodge.

Lico, Jamary 11, 1922; Stanle, Enly 1, 1927 Lick October 20, 1900; Fais, April 2, 1902 Galaminostel Mer, MJy ..., 1, 1927; Columbin, Larch 20, 1902 Dimetote, Larch 0, 19 6 Licery composed August 21

THURDON THURDON THE PAULICIT THE PAUL

Adress of slites; a storney; Hen C. Hill

DATES OF ANENDED LOCATION Lock The 21, 1978 Roy The 21, 1978 Fare July 14, 1945 . Columbia July 14, 1945

Feet	MINERAL SURVEY No.4295
357.36	Mineral survey No.4295 was made with a Buff & Buff light mountain transit, with horizontal limb 6 ins diam. having two opposite verniers
	and full vertical circle, 5 ins. diam. having two opposite verniers. The verniers read to one minute of arc. The instrument is also equipped with an auxil/iary telescope.
	The instrument was in good condition at the time of the survey and all adjustments were in good order. An A.M. altitude observation for azimuth and at noon on the meridian
88.042.	for latitude and time were made on a line of the survey. The details of which observations are shown in the calculation sheets, herewith submitted for examination.
	All azimuths in this record are referred to the true meridian by the method of deflection angles and calculated courses. The lines were measured with a lufkin steel tape, .500 feet in
	length, graduated every foot, with the first and last foot graduations to tenths and hundredths. The tape was correct at the time of the survey.
	All lines and connections in this survey were run directly upon the ground. The magnetic variation observed at each corner gave a uniform
, c. bes a .viovijosee	value.of 14°45' E
unot de	"here I :
ijiw bebro	Beginning at Cor. No.1 of the Argo lode, identical with the location mon., Where I -
	Set an iron post 2 ins. diam, with lead cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md of stone, stamped 1 A - 4295 from which the N.W. Cor. Sec. 1 T.17 S. R. 12 E.,
	brs. N. 6° 19' 40" E., 3448.0 ft. dist. consisting of a limestone rock 6 x 8 ins., showing 12 ins. above ground, chiseled with 1 notch on the east face and 5 notches on the west face. No other bearings are available. Thence S. 9° 00' E.
	969.45 To Cor. To. 1 and the place of beginning.
30.0 190.0 300.0	Enters sand wash 80 ft. wide, course northeasterly Leaves sand wash. The set a pine post
Claimant,	4 ins sq by 4 ft. high, firmly in the ground and surrounded with md of stone, scribed E. Cr. A.
, atti AS	Intersect line 2.73 and 4.1 Sur. No.3726 Martha B. Ketz and Eida B. lodes respectively at N. 70°15'W., 100.25 ft. from Cor. Nos. 3 and 4. and S. 70°15 E., 1279:12.ft. from Cor. Nos 1 and 2.
600.0	To Cor.No.2, identical with the Loc. Mon. where I - Set an iron pipe 2 ins. diam with lead cap on top, 24 ins. above
bognate	ground, 18 ins. in the ground and surrounded with md of stone, Stamped 2 A 4295.
1	Ketz No.2, Martha B. Ketz and 4; Sur. No.3726 Eida B. No.2, Martha B. Ketz No.2, Martha B. Ketz and Eida B. lodes respectively, brs. S. 72°05 ' E., 98.57 ft. dist. No other bearings are available . Thence S. 78°51' W.,
· 519.17	Intersect line 3-4 Key lode of this Sur. at S. 9°20'E., 3.19 ft. from Cor. No.3
	Enters sand wash 80 ft. wide, course northeasterly. Leaves sand wash.
969.45	To Cor. No.3, identical with the Loc. Mon. and Cor. No.3, Sur. No.411 Patterson lode, Empire Zinc Co. Claimant, Where I -
M. NO. 145-	Set an iron pipe 2 ins. diam. with lead cap on top, 24 ins. above ground, 18 ins. in the ground and surrounded with md of stone.

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MINERAL SURVEY No.42 95 Feet ARGO Lode, Cont'd. aff - aff 1 gat noundein Cor. No.2, Sur. No. 3726 Eida B. lode brs. N. 84 °51' 10" W., 357.36 stpinger of e vermiere ft. dist. Cor, No.3 Key lode of this Sur. brs. N.78°26'40" E., 450.39 ft. with anes and to and No other bearings are available. MAS VOVIA t no moon to be Thence N. 9º 00' W. eado shutitis . . . naldiren er .VOVISS OLD Intersect line 2-3 Key lode of this Sur. at S. 809 40' W.,449.95 17.46 .noited for examination. ft. from Cor. No. 3 Intersect the lode line at 300.00 /the W. end center, identical with the loc. mon. and Cor. No.4 Sur. No.411 Patterson lode Where I -DOL 17 Set a pine post 4 ins sq by 4 ft. high, st firmly in the ground empidemberry of the and surrounded with md of stone, scribed 4 P, W cr. A. 71.41 Intersect line 4-1 and 2-3, Sur. No.3726 Eida B and Martha B. Ketz lodes at S. 70°15 ' E., 174.13 ft. from Cor. Nos. 1 and 2,& N.70°15'W. 1223.24 ft.from Cor. Nos. 4 & 3. 571.41 To Cor. No.4, identical with the loc. mon. and Cor. Nos. 2 and 5, 600.0 Sur. No.1650 and 411, Iron Mountain and Patterson lodes respectively. Where I ;-Set an iron pipe 2 ins. diam. with lead cap on top, 24 ins, above ground, set 18 ins. in the ground and surrounded with md of stone, stamped 4 A- 4295, 5 P - 411, 2 I M - 1650. erods .ani Cor. Nos. 1 and 2 , Sur. No. 3726, Eida B and Martha B Ketz lodes : 00003a 1 brs. N.79. 08. 1 W.162.33 ft. dist. S.1 .S. Nestoins Inclass No ather bearings are available. no noton east face and i Thence N. 78 .51' E. Silves Tendo of To Cor. No. 1 and the place of beginning. 969.45 inters sand wish 80 ft. Leaves sind vash. TURK Lode 190.0 idmebi .... identi lere I set Beginning at Cor. No. 1 of the Turk lode, identical with the Loc. mon. and Cor. No.4 Sur. No.1454, Ruby.lode, Empire Zinc Co. Claimant, 10 bo Atiw b on line 5-1 Minnesota lode of this Sur., Intereact line A SIGE 3. 8.0 12 louss respectively at H. 70 Where I :-. dt as. Set an iron pipe 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins in the ground and surrounded with md. of stone stamped 1 T - 4295, . 4 R. - 1454, from which the Cor. to Secs. 2, 3, 10 and 11 T.17 S. R. 12 E. Brs. 5.85.23'15" W., 1645.2 ft. dist. vods .ag. consisting of a 2 inch capped pipe in an old md of stone, stamped S.2, S.3, S.10, S.11 T.17 S. R. 12 E. . No other bearings are available. sets (o.8, tarthe 3. Nots and hids 8. louse respectively. 3. 72 05 ' 3., 98.57 ft. dist. . 270 Thence N. 9 20 W. Intersect the lode line at 300.00 (the W. end center, identical with Loc. mon. and E. end center Sur. No,1454, Ruby lode . A pine post 4 ins. sq by 4 ft. high, set firmly in the ground and surrounded with md of stone, scribed W. Cr. T, E Cr. R. 470.0 Gulch 10 ft. wide, course southeasterly. 640 0 597,38 Intersect line 2-3 Sur. No.415 San Xavier lode, Empire Zinc Co. claimant, at N.81°.E., 450 ft. from Cor. No.2, and S.81° W. 1050 ft. from Cor.No.3: + TUP To Cort No. 2, identical with loc. mon., and Cort No.3 Sur. No.1454 600.0.4 Rubyalode - Where liss. Set an iron pipec2 ins diam.withilead capa 50010. bhetoppunctails inscoin the ground and surrounded with md of stone, -2-

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	Feet.	TURK Lode, Cont'd.
		Stamped 2 T - 4295, 3 R - 1454 .
	e • 3. 1	Thence N. 80°40'. E. orl. J. 23.741
	1050.0	5 Intersect lines 3-4 and 1-2. Sur. No.415 and 411. San Xavier and
ern a	10 0001	Patterson lodes at N. 9° W., S. 72 ft. from Cor. Nos. 3 and 2, consisting of a pine post 4 ins. sq in old stone monument.
		To Cor. No. 3, identical with the Loc. Mon. and Cor. No.2 Key lode of this Sur. Where I :-
	erone.	ground, set 18 ins. in the ground and surrounded with md. of stone, stamped 3 T. 2 K - 4295 from which Cor. Nos. 2 and 3 Sur Nos 411
		ft. dist.
		No other bearing objects are available.
		Thence S. 9 20'E. and and the state
	,11.34	Intersect line 2-3, Sur. No.411, Patterson lode at N. 81° E.,450.0 f
00	300.0	Intersect the lode line at the loc. Mon. and the W. end center (the E. end center, identical with the Loc. Mon. and the W. end center Key lode of this Sur. Where I :
	- 11 11 11	The second
	5.0 . TO	Set a pine post 4 ins sq by 4 ft. high, firmly in the ground and surrounded with md of stone, scribed E. Cr. T., W. Cr. K.
• 8.	d <b>600.0</b> .0.0	To Cor. No.4, identical with the Loc. Mon. and Cor. No.1 Key lode of this Sur., Where I;-
	.ani 45 to 5m eld	Set an iron pipe 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins in the ground and surrounded with md of stone, stamped 4 T, 1 K - 4295.
		No bearing objects available.
	-	Thence S. 80 °40 'W.
	40.0	Gulch 10 ft. wide brs. easterly. Instandard . and back d. 365
	1275.6	To Cor. Nos. 1 and 5, Staple and Minnesota lodes of this Sur., hereinafter described.
1	1370.0	Gulch 10 ft. wide brs. northeasterly.
	1500.0	To Cor. No.l and the place of beginning.
	ritin the	.ecimning at Cor. Fo.1 of the Linnesota lode, identical
	MOUNDU JU	Beginning at Cor. No.1 of the Key lode, identical with the Loc. mon. and Cor. No.4 Turk lode of this Sur, heretofore described
	, 24 ins	line 4-1 Staple lode of this Sur. from which the Cor. to Secs. 2,3, 10 and 11, T. 17 S. R. 12 E., brs. 3.83°08'W., 3142.5 ft. dist.
beca	2,8,2	eoel of . to and Thence N. 9 20 W- Har active - to begins the
	300.0	Intersect the lode line at The W. end center, identical with the Loc. Mon. and E. end center Turk lode of this Sur., heretofore described.
Be.	Santonia	and stars sent shout a ime an showing of the should be
	568.66	Intersect line 2-3, Sur. No.411 Patterson lode at 5.81° W.,1650.0 ft. from Cor. No.3, and 862.68 from its intersection with lines 2 W
	600.0	To Cor. No.2, identical with the Loc. Mon. and Cor. No.3 Turk Lode

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	Fe <b>et</b>	MINERAL SURVEY No.4295
	R. Mark	Thence N. 80°40' E.
	833.18	Intersect line 2-3, Sur. No.3725 Eida B. lode at S. 70°15 ' E., 147.89 ft. from Cor. No. 2.
	neit	1050.08 Interest lines 3-1 and 1-1, Sur. Ho.415 and 411, San 'ar
	1050.05	Intersect lines 3-4, Sur. No.411 Patterson lode and Argo lode of this Sur. at N. 9 °00 W., 17.46 ft. from Cor. Nos. 3.
		. To Cor. No.3, identical with the Loc. Mon. Where I :- 0.0031
	a noove 1 stone, 10s, 411	Set an iron pipe 2 ins. diam.,with lead cap on top, 24 ins. above ground, is 18 ins. in the ground and surrounded with md of stone, stamped 73 K - 4295. Nor. 1.3
		No ether bearing objects available.
	3,19	Intersect line 2-3 Argo lode of this survey.
		Intersect the lode line at . socoal
	300.0/	the E. end center, identical with the Loc. Mon., where I:-
.5)		Set ampine post 4 ins. sq by 4 ft. high, sat firmly in the ground and surrounded with md of stone, scribed E. Cr. K.
20	370.89	ft. from Cor. No.2 and 729.31 ft. from its intersection.with line 2-3
	425.0	Sur. No.411 Patterson lode, and N.70°15'W.,469.47 ft. from Cor. No.3 Road brs easterly.
	600.0	To Cor. No.4, identical with Loc. Mon. on line 4-1 Pass lode of this Sur.,
ev	ice, abc stope,	Where I :- Set an iron pipe 2 ins. diam with lead cap on top, 24 ins. above ground, 18 ins. in the ground and surrounded with md of stone, stamped 4 K - 4295
		No bearing objects are available.
		Thence S. 80 °40 ' W.
	365.6 575.6	Road brs. northeasterly. Enters sand wash 100 ft. wide, course northeasterly.
	755.6 1275.60	Leaves sand wash. To Cor. Nos. 1 and 4 Pass and Staple lodes of this Sur., hereinafter described.
	1500.00	To Cor. No.1 and the place of beginning.
		MINNESOTA Lode.
	the Loc.	Beginning at Cor. No.1 of the Minnesota lode, identical with the loc. mon. and Cor. No.4 Sur. No.1504 Hoosier lode, claimant unknown, on line 4-1 Sur. No.1454 Ruby lode, Empire Zinc Co., claimant,
	110 . 2841	Where I:- roin mort and to spol algost it Carit
	. dist.	Set an iron pipe 2 ins. diam, with lead cap on top, 24 ins above ground, 18 ins in the ground and surrounded with md of stone, stamped 1 M- 4295, 4 H - 1504, from which the Cor. to Secs. 2,3,10 and 11 T. 17 S. B. 12 E. brs. 5.88°15' 30" W., 1024.65 ft. dist.
	1450.0	U.S.M.M. No.2 brs. N.81°55'W.2337.9 ft. dist. consisting of a very old pine post about 6 ins. sq, showing 8 ft. above ground, surrounded with md of stone 6 ft. base by 4 1/2 ft. high. Scribed USAM No.2.
	C-S soul	No other bearing objects are available.
	ebci stuf	
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Feet	MINERAL SURVEY No. 4295 MINNESOȚA Lode, Cont'd.
	Thence S. 9°20' E.
. Jain 30.	0 Enters Highway to Twin Buttes, course southeasterly,
300	<ul> <li>Leaves highway</li></ul>
. Minnesqta	Set a pine post 4 ins. sq by 4 ft. high, firmly in the ground and surrounded with md of stone, scribed W. Cr. M. E. Cr. H.
600.	O To Cor. No.2, identical with Loc. Mon. and Cor. No.3 Sur. No.1504 Hoosier lode, Where I :-
	Set an iron pipe 2 ins. diam. with lead cap on top, 24 ins. above ground, 18 ins. in the ground and surrounded with md of stone, stamped 2 M - 4295, 3 H - 1504.
atona stona	o ba diw babarorus bas barora edi al sai bi des ,barora No bearing objects are available. Sanatz
	eldslisve on Thence N. 80° 40' E.
195.8	Enters highway to Twin Buttes, course southeasterly.
215.0 335.0 490.0	Leaves highway. Fence brs. northeasterly. Jacourton, and anis the final solution of the
100 20000	
oove stone	stamped 3 M - 4295. Due bourg ent mi . ani 81 Tes . Dusora
	No bearing objects are available .
	.eldelieve ers stoeido gainsed of Thence N. 40 44 'E.,
467.3	lode of this Sur., Where I :- interesting and some of the stable
eas reta	Set an iron pipe 2 ins. diam with lead cap on top, 24 ins. above ground, 18 ins. in the ground and surrounded with md of stone
TTO MILLOID	No bearing objects available.
	405.0 Road bre northeasterly.
ebo (	Junction of roads, brs. easterly and northeasterly.
bove. tone.	Where I:- pennuertus has bauers add at sat 8. The party
	Set an iron pipe with lead cap on top, 24 ins above ground, 18 ins in the ground and surrounded with md of stone, stamped 5 M - 4295, 1 S.
	No bearing objects available.
e . 105	224.4 To Con. Hos. 12and 4 Yey and Turk lodes respectively of the herebolice describ.W. '04° 08 .2 soned
94.4 224.4	and and any war and any and any and any and any and any
	To Cor. No.1 and the place of beginning. O to animized
from .	and Cor. No.4 Staple lode of this Sur., heretofore describe which the Cor. to Secs. 2, ebol EIGATE T. 17 S. R. J. E. Dr.
	Beginning at Cor. No.1 of the Staple lode, identical with the Loc. mon and Cor. No.5 Minnesota lode of this Sur. on line 4-1 Turk lode

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Feet.	MINERAL SURVEY No.4295 STAPLE LODE, Cont'd.
	Mance S. 3 20' 5.
	of this Sur. heretofore described, from which the Cor. to Secs. 2,3 10 and 11 T. 17 S. R. 12 E. brs. 5.84 49 20" W., 1868.9 ft. dist.
. 1538 TO	the bas
190.0	Junction of roads , brs. northeasterly and southeasterly.
es bauors	vintersect the lode line at
300.0	tno W end center, identical with the Loc. mon and Cor. No.4, Minnesota
ACEL.6M	lode of this Sur.,, heretofore described.
455.0	
600.0	To Cor. No.2, identical with the Loc. Mon. Where I:10
, all 0.9.8	Set an iron pipe 2 ins. diam. with lead cap on top, 24 ins. above
	ground, set 18 ins. in the ground and surrounded with md of stone stamped 2 S -4295.
	No bearing objects are available.
	Thence N. 80 ° 40' E
	. Swigte several constants
1160.	Gulch 10 ft wide brs. northeasterly. To Cor. No.3, identicad with the Loc. Mon! and Cor. No.2, Pass lode
1900.	of this Sur., where I:-
evods	let is iton pice : in. disa. with lead mp on top. 24 inh
erote	Set an iron pipe 2 ins. Diam with lead cap on top, 24 ins above
	ground, and 18 ins. in the ground and surrounded with md of stone . stamped 3 S - 22PE 4295.
	no bearing objects are rivellable .
	No bearing objects are available.
	Thence N.9 °20 'W.
	110.0 Tance bra notheasterly
J. 160.	0 Gulch 10 ft. wide brs northeasterly.
285.	O Fine bra. southeasterly. <i>Intersecting of the transformer of the sector of the sect</i>
300.	lode of this Sur., where I;-
stone	to be divide of survey and and sit of the proved and surrounded with ad of
	Set a pine post 4 ins. sq by 4 ft. high, set firmly in the ground an
	surrounded with md of stone, Scribed E. Cr. S, W. Cr. P.
405	
550.0	
600.0	To Cor. No.4, identical with the Loc. Mon. and Cor. No.1 Pass lode
efe	of this sur. On line 4-1 Key lode of this Sur., where I:-
	Set an iron pipe 2 ins diam with lead cap on top, 24 ins. above
	ground. 54 18 ins in the ground and surrounded with md. of stone.
. bnoor_	stamped 4 S, 1 P - 4295 . I die offer and the standard an
Deguis	No bearing objects are available.
	Thence S. 80°40' W.
224.4	
264.4	Culah 10 ft wide has southeasterly
1500.0	
145%	224. To Cor. Wo. 4 Tark lode of this Cur. and Cor. No. 4 Fur. No.
	Augy lode, meretorore describeed and gour
	Beginning at Cor. No.1 of the Pass lode, identical with the loc. mo
	and Cor. No.4 Staple lode of this Sur., heretofore described, from
	which the Cor. to Secs. 2;3 10 and 11,T. 17 S. R. 12 E., brs. 5.82 058 2
ant of	3366.8 ft. dist.
ebcl Si	mon and for . No. C Linussets 160 of this Cur. on line 4-1 un

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Feet. MINERAL SURVEY No.4295 PASS Lode Cont'd. Thence S. 9°20'E. Gulch 10 ft. wide brs. northeasterly. 50.0 Boad brs. hortheasterly.
 Boad brs. hortheast Fence brs. southeasterly. 315.0 Gulch 10 ft. wide brs. northeasterly. 经 440.0 To Cor. No.2, identical with the loc. mon. and Cor. No.3 Staple 600.0 lode of this Sur., heretofore described. Gulch 10 ft. wide brs northeasterly. 140.0 490.0 Fence brs. southeasterly. 1212.97 Intersect line 4-1 Columbia lode of this Sur. at S. 51°57'E., 221.24 ft. from Cor. No.1 1500.0 To Cor. No.3, identical with the loc mon where I:-Set an iron pipe 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins in the ground and surrounded with md of stone, stamped 3 P - 4295. Cor. No.l Columbia lode of this Sur. brs. N.78°53'33"W., 466.18 ft. dist. woods .ari ba .not no cas No other bearing objects available. anote to be stir beservine but Thence N. 9.20' W. eroum, neo stampte Intersect the lode line at The E. end center, identical with the loc. mon. 300.0 Where T .--Set a pine post 4 ins. sq by 4 ft. high, set firmly in the ground and surrounded with md of stone, scribed E. Cr. P. Intersect line 1-2 Columbia lode of this Sur. at S. 38 03' W., 6.41 564.72 ft. from Cor. No.2 . JI A TO BE . BTE A THOC BEI To Cor. No.4, identical with the loc mon. Where I:-600.00 Set an iron pipe 2 ins. diam with lead cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md of stone, vods .an stamped 4 P - 4295. ins in the cround on No bearing objects are available. To Cor No.4 Key lode of this Sur., heretofore described. 15.0 224.4 S. CT. MOT MOTI . J1 590.0 Road brs. northeasterly. Enters sand wash 100 ft. wide. 800.0 100.0081 980.0 Leaves sand wash . 1500.0 To Cor. No.1 and the place of beginning. The presuces course of the Add Valence of the several loce loce to be several loce loce to be several loce to be been added t Beginning at Cor. No.1 of the Columbia lode, identical with the Loc. Set an iron pipe 2 ins. diam.with lead cap on top, 24 ins. above ground, ... 18 ins: in the ground and surrounded with md of stone, stamped 1 C - 4295 from which the Cor, to Secs. 2, 3, 10 and 11 T.17 S.,R: 12 E., brs. S.88 02' 10" W., 4464.0 ft. dist. pals M. dist. No other bearing objects are available. -7-

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	MINERAL SURVEY No.4295 COLUMBIA Lode Cont'd.
	Thence N. 38 °03 ' E.
300.0	Intersect the lode line at The W. end center, identical with the loc. mon. Where I:-
lgi 18 retres	Set a pine post 4 ins sq by 4 ft. high, firmly in the ground and surrounded with md of stone Scribed W. Cr. C
<b>593.59</b>	Intersect line 3-4 Pass lode of this Sur. at S. 9 ° 20' E., 35.28 ft. from Cor. No.4
600.00	To Cor. No.2, identical with the loc mon. here I:-
	Set an iron pipe 2 ins. diam with lead cap on top, 24 ins. above ground, 18 ins in the ground and surrounded with md of stone stamped 2 C - 4295.
	Cor No 4 Page lode of this gur has a lead to a log a ft dist
·R., 221.24	
	No other bearing objects are available.
1280.0	Thence S.51°57' E. and S. origination for the second secon
1500.0	To Cor. No.3, identical with the loc. mon. Where I:-
	Set an iron pipe 2 ins. diam. with lead cap on top, 24 ins. above
	ground, 18 ins in the ground and surrounded with md of stone
-	No bearing objects are available.
j: 0'1 IId	Thence S. 38 °03' W. tim bebracing bas
300.0	Intersect the lode line at the E. end center, identical with the Loc. Mon. Where I :-
	Set a pine post 4 ins. sq by 4 ft. high, firmly in the ground and surrounded with md of stone Scribed E. Cr. C.
600.0	To Cor. No.4, identical with the Loc. mon. Where I:-
stone,	Set an iron pipe 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins in the ground and surrounded with md of stone, stamped 4 C - 4295.
	No bearing objects are available. Thence N. 51°57' W.
975.0 1278.76	Fence brs northeasterly. Intersect line 2-3 Pass lode of this Sur. at 5. 80°40'W., 287.03
1500.00	800.0 Inters aand varn 100 ft wine
	The presumed course of the vein of each of the several lode
the not	locations embraced in this survey, counted from the respective points of discovery, is as follows:
	Argo lode, 3. 78°51'W., 100.0 ft. and N. 78°51' E., 869.45 ft.
orges	Turk lode, S. 80°40' W., 5 0.0 ft. and N.80°40' E., 950.0 ft.
	Key lode, S. 80 40' W., 650.0 ft. and N.80 40' E., 850.0 ft.
. nin na	Minnesota lode, S.80°40' W.,225.0 ft. and N. 80°40'E., 623.4 ft.
15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0thei 502118 05 6016005 are available.

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4-678b

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		MINERAL SURVEY No.4295 LODE LINES, Cont'd.
		.abo IHU
	being the pail of line	Staple lode, N.80°40'E., 100.0 ft. and S. 80°40' W., 1400.0 ft. Pass lode, N.80°40'E., 580.0 ft., and S.80°40'W., 920.0 ft Columbia lode, S.51°57' E., 730.ft., and N.51°57' W., 770:0 ft.
		AREAS .
	.2 02.72.9	
		Area in conflict with -
	017 3057 .7-Setd of	Sur. No.3726 Martha B. Ketz lode       6.955         Sur. No.3726 Eida B. lode       6.394         Key lode of this Eur.       0.107
		Total area Turk lode 20.661
		Area in conflict with
		Sur No. 415 San Yavier lode
	1 3.49 580 F	Sur. No. 411 Patterson lode 0.104
		-520 fo. 4 x 5 ft. 50 ft. desp. Value 2000
		Total area Key lode 20.661
	TIEP188.2 ebc	No. 64. A sales, the senier of which ive. from or, to 8 minut
		Area in conflict with -
		Sur. No.411 Patterson lode 0.545
	ains to s	Sur. No.3726 Eida B. lode 2.839 Sur. No.3726 Eida B. lode, exclusive of its conflict
	•	with SuriNo.414 Pattersont Lode ar- 2.743
		Total area Minnesota lode 10.452
		Total Area Staple lode 20.661
		Total area Pass lode 20.661
		Area in conflict with - Columbia lode of this Sur 3.368
	10 ft. fr.	Total area Columbia lode 20.661
		Value 100.0
	. 81 CV 63.4	ebel vol LOCATION. are sain 10 adaca eds
	we aidd to a	This survey is located in the S.1/2 Sec. 2, ,N.1/2 Sec. 11, N.W. 1/4 Sec. 12 and the S.W. 1/4 Sec. 1 T. 17 S. R. 12 E., G. & S. R. M.
		2. 340 20' 3. 476 ft. 4 1 6 ft. 100 ft. 100 ft.
	week a list the	EXPENDITURE OF \$500.
		I certify that the value of the labor and she improvements made upon or for the benefit of each of the lode locations embraced in
	sind 2.	said mining claim by the claimant or its grantors is not less than \$500., and that said improvements consist of :
		The discovery shaft of the Argo lode, the center of which being the
	of this for.	discovery point is on the lode line, 100 ft. from the center of lin 3-4. 4 x 6 ft. 10 ft. deep.
		Value \$100.0
•••	No.2	A cut, the mouth of which bears from Cor. No.3 Argo lode N.27° E. 150 ft. 5 ft. wide, 8 ft. face, running S. 80° W., 20 ft. to face. Value \$100.0
	r tals or.	An undivided 1/7 interest in improvement No.2 Staple lode of this Sur. hereinafter described, credited to this lode.
		Value \$3702.85

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	MINERAL SURVEY No.4295 EXPENDITURE OF \$500 Cont 'd
	TURK Lode.
No.13	The discovery shaft of the Turk lode, the center of which being the discovery point is on the lode line 550 ft. from the center of line 1-2, $4 \ge 6$ ft. 25 ft. deep.
	<b>Value</b> \$250.
No.2	A shaft, the center of which brs. from Cor. No.2 Turk lode S.27°20' E. 265 ft. 5 x 10 ft. 100 ft. deep. 
No.3	Value \$800.0 in to bod years
No.4	A snaft., the center of which brs. from Cor. No.3 Turk lode S.43°30'W., 570 ft., 4 x 6 ft. 100 ft. deep. Value \$ 4000.
No.5	520 ft. 4 x 6 ft. 50 ft. deep. Value \$2000.
No.6	A shaft, the center of which brs. from Cor. No.3 Turk lode S.56°45'W. 460. ft. 4 x 6 ft. 10 ft. deep. Value \$100.
	An undivided 1/7 interest in improvement No.2 Staple lode of this Sur, hereinafter described, credited to this lode. Value \$3702.85
0.482	KEY Lode.
No.1	An inclined shaft, the center of which being the discovery point is on the lode line, 650 ft. from the center of line 1-2, 4 x 6 ft. 15 ft. deep.
805.5	Value \$150.0
No.2	A shaft, the N.W. Cor. of which is on the center line, 570 ft, from the center of line 1-2, 4 x 6 ft. 10 ft. deep. Value 100.0
No.3	A cut, the mouth of which brs. from Cor. No.2, Key lode S.54°30'E., 335 ft. 5 ft. wide, 8 ft. face, running N.20° E., 35 ft. to face. Value \$125.
No.4	A shaft, the center of which brs. from Cor. No.2 Key lode of this Sur. S. 54° 30' E., 375 ft. 4 x 6 ft. 100 ft. deep. Value \$4000.
No.5	A shaft, the center of which brs from Cor. No.2, key lode of this Sur. S.76° E., 705 ft. 4 x 6 ft. 8 ft. deep. Value \$100.0
No.6	A cut, the mouth of which brs. from Cor. No.2, Key lode of this Sur. S.77°30'E., 740 ft. 5 ft. wide, 8 ft. face, running east 20 ft. to face. Value \$100.1
No.7	A shaft, the center of which brs from Cor. No.2 Key lode of this Sur. S.80° E. 880 ft. 4 x 6 ft. 100 ft. deep. Value \$4000.
No.8	A shaft, the center of which brs from Cor. No.2 Key lode of this Sur
No.9	S.81°30' E., 940 ft. 5 x 8 ft. (timbered) about 200 ft. deep.
. 65	-IO- Value #20000.

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11

4-678b

S. 85° E. 1110 ft., 4 x 6 ft. 10 ft. deep. Value \$100.0 An undivided 1/7 interest in improvement No.2, Staple lode of this Sur. hereinafter described, credited to this lode. Value \$3702.85 MINNESOTA Lode. No.1 The Discovery shaft of the Minnesota lode, the center of which being the discovery point is on the center line 225 ft from the			
<ul> <li>Walke \$1000</li> <li>Walke \$1000</li> <li>No.11 <ul> <li>A shaft, the center of which brs from Cor. No.2 Key lode of this Sur 5,85° E.,1005 Tt., 4 x 6 ft. 15 ft. deep. at 10 ft. below collar is a tunnel 4 x 6 ft. running S. 60° S. 20 ft. to mouth. at mouth of funnel is a cut 4 1/2 ft. while 8 ft. face running S. 60° E. 40</li> <li>Tt. to moth. <ul> <li>Total value shaft, tunnel and cut \$550.0</li> </ul> </li> <li>No.12 <ul> <li>A shaft, the center of which brs. from Cor. No.2 Key lode of this Sur 5, 87° E., 1080 ft. 4 6 ft. 10 ft. 4 sep.</li> <li>S. 67° E., 1080 ft. 4 6 ft. 10 ft. 4 sep.</li> <li>S. 68° Z. 110 ft., 4 x 6 ft. 10 ft. 4 sep.</li> <li>S. 68° Z. 110 ft., 4 x 6 ft. 10 ft. 4 sep.</li> <li>S. 68° Z. 110 ft., 4 x 6 ft. 10 ft. 4 sep.</li> <li>S. 68° Z. 110 ft. 4 x 6 ft. 10 ft. 4 sep.</li> <li>S. 68° Z. 110 ft. 4 x 6 ft. 10 ft. 4 sep.</li> <li>Yalke \$100.0</li> </ul> </li> <li>A there is conter of which brs. from Cor. No.2 Key lode of this Sur bereinster described, oredited to this lode. <ul> <li>Yalke \$2702.85</li> </ul> </li> <li>WINNESOTA Lode.</li> <li>The Discovery shaft of the Minheevise lode, the center of which being the discovery point is on the center line, 225 ft. from the center of line 1-2 , 4 x 6 ft. 9 ft. deep.</li> <li>Walke \$2702.45</li> <li>Winke \$200.0</li> </ul> </li> <li>No.2 <ul> <li>A shaft, the center of which brs. from Cor. No.2.</li> <li>W.26 E., 450 ft. 4 x 6 ft. 9 ft. deep.</li> <li>Walke \$200.0</li> </ul> </li> <li>No.4 <ul> <li>A shaft, the center of which brs. from Cor. No.2.</li> <li>W.26 E., 450 ft. 4 x 6 ft. 9 ft. deep.</li> <li>Walke \$200.0</li> </ul> </li> <li>No.5 <ul> <li>A shaft, the center of which brs. from Cor. No.2.</li> <li>W.26 E., 450 ft. 4 x 6 ft. 9 ft. deep.</li> <li>Walke \$200.0</li> </ul> </li> <li>No.5 <ul> <li>A shaft, the center of which brs. from Cor. No.1.</li> <li>S. 52° E., 220 ft. 4 x 6 ft. 9 ft. deep.</li> <li>Walke \$270.0</li> </ul> </li> <li>No.5 <ul> <li>A shaft, the center of which brs. from Cor. No.2.</li> <li>Walke \$270.0</li> </ul></li></ul>		EXPENDITURE OF \$ 500. Cont'd KEY Lode, cont'd.	
<ul> <li>No.11 A shaft, the center of which bra from Cor. No.2 Key lode of this Sur 5.85° E.1005 ft., 4 x 6 ft. 15 ft. deep. at 10 ft. below collar is a tunnel 4 x 6 ft. running 5. 60° E. 20 ft. to mouth, at mouth of funnel 1 is a cut 4 1/2 ft. while 8 ft. face running 5. 60° E.; 40 ft. to mouth.</li> <li>No.12 A shaft, the center of which bra. from Cor. No.2 Key lode of this Sur 5.97° E. 1090 ft., 4 x 6 ft. 10 ft. deep.</li> <li>No.13 A shaft, the center of which bra. from Cor. No.2 Key lode of this Sur 5.66° E. 1110 ft., 4 x 6 ft. 10 ft. deep.</li> <li>No.13 A shaft, the center of which bra. from Cor. No.2 Key lode of this Sur 5.66° E. 1110 ft., 4 x 6 ft. 10 ft. deep.</li> <li>No.14 A shaft, the center of which bra. from Cor. No.2 Key lode of this Sur. hereinafter described, credited to this lode.</li> <li>No.1 The Discovery shaft of the Minnesots lode, the center of which being the discovery point is on the center ling, 225 ft. from the center of which bra. from Cor. No.2 Minnesots lode of this Sur. hereinafter, 420 ft. 4 x 5 ft. deep.</li> <li>No.2 A shaft, the center of which bra. from Cor. No.2 Minnesots lode of this Sur. No.2 No.4 &amp; 5 ft. 20 ft. deep.</li> <li>No.3 A shaft, the center of which bra. from Cor. No.2. Minnesots lode of this Sur. No.2 No.4 &amp; that, the center of which bra. from Cor. No.2. No.5 No.4 &amp; shaft, the center of which bra. from Cor. No.2. No.5 A shaft, the center of which bra. from Cor. No.2. No.5 A shaft, the center of which bra. from Cor. No.4 &amp; shaft, the center of which bra. from Cor. No.4. S. 51° E. 220 ft. 4 x 6 ft. 2 ft. deep.</li> <li>No.5 A shaft, the center of which bra. from Cor. No.4. S. 51° E. 140 ft. 4 1/2 ft. wide \$100.0</li> <li>No.6 An open cut, the north end of shich bra. from Cor. No.4. S. 51° E. 140 ft. 4 1/2 ft. wide \$100.0</li> <li>No.6 An open cut, the north end of fulch bra. from Cor. No.4. S. 51° E. 140 ft. 4 1/2 ft. wide \$100.0</li> <li>No.6 An open cut, the north end of fulch bra. from Cor. No.5. N.72°20° W. 125 ft. 4 x 6 ft. 6 ft. 10 ft. deep. Yaime \$100.0&lt;</li></ul>	No.10		ine 3-4
<ul> <li>S.65° E.1005 ft., 4 x 6 ft. 15 ft. deep, at 10 ft. below collar is a tunnel 4 x 6 ft. running S. 60° E. 20 ft. to mouth af of tunnel is a cut 4 1/2 ft. wise 8 ft. face running S. 60° E. 40 ft. to mouth.</li> <li>No.12 A shaft, the center of which hrs. from Cor. Mp 2 fey lode of this Su S. 60° E. 100 ft. , 4 x 6 ft. 100 ft. deep.</li> <li>No.13 A shaft, the center of which brs. from Cor. No.2 Key lode of this Su S. 60° E. 1110 ft., 4 x 6 ft. 10 ft. deep.</li> <li>No.13 A shaft the center of which brs. from Cor. No.2 Key lode of this Su S. 60° E. 1110 ft., 4 x 6 ft. 10 ft. deep.</li> <li>No.14 A shaft the center of which brs. from Cor. No.2 Key lode of this Su S. 60° E. 1110 ft., 4 x 6 ft. 10 ft. deep.</li> <li>No.15 A shaft, the center of which brs. from Cor. No.2 Key lode of this Su S. 60° E. 1110 ft., 4 x 6 ft. 9 ft. deep.</li> <li>NUMMESOTA Lode.</li> <li>No.1 The Discovery point is on the center line, 225 ft. from the center of which being the discovery point is on the center line, 225 ft. from the center of line 1.2, 4 x 6 ft. 9 ft. deep.</li> <li>No.5 A shaft, the center of which brs. from Cor. No.2 Minnessota lode of this Su N.22° E. 420 ft. 4 x 6 ft. 2 ft. deep.</li> <li>No.5 A shaft, the center of which brs. from Cor. No.2.</li> <li>N.26° E. 420 ft. 4 x 6 ft. 2 ft. deep.</li> <li>No.4 A shaft, the center of which brs. from Cor. No.2.</li> <li>N.26° E. 420 ft. 4 x 6 ft. 2 ft. deep.</li> <li>No.5 A shaft, the center of which brs. from Cor. No.1, S. 23° E. 220 ft. 4 x 6 ft. 9 ft. deep.</li> <li>No.5 A shaft, the center of which brs. from Cor. No.1, S. 51° E. 420 ft. 4 x 6 ft. 4 ft. deep.</li> <li>Nales \$100.0</li> <li>No.6 An open out, the north end of which brs. from Cor. No.1, S. 51° E. 20 ft. 4 x 6 ft. 6 ft. deep.</li> <li>Nulwe \$100.0</li> <li>No.6 An open out, the north end of which brs. from Cor. No.3.</li> <li>N.72*200 w. 125 ft. 4 x 6 ft. 4 ft. deep.</li> <li>Nulwe \$100.0</li> <li>No.6 An open out, the north end of which brs. from Cor. No.3.</li> <li>N.72*200 w. 125 ft. 4 x 6 ft. 4 ft. dee</li></ul>		Value \$1000	
<ul> <li>No.12 A shaft, the center of which brs. from Cor. No.2 Key lode of this Su S. 87° E., 1090 ft., 4 x 6 ft. 180 ft. deep.</li> <li>No.13 A shaft, the center of which brs. from Cor. No.2 Key lode of this Su S.86° E. 1110 ft., 4 x 6 ft. 10 ff. deep.</li> <li>No.13 A undivided 1/7 interest in improvement No.2, Steple lode of this Su NumESOTA Lode.</li> <li>No.1 The Discovery point is on the center line, 225 ft. from the center of line 1.2, 4 x 6 ft. 9 ft. deep.</li> <li>No.2 A shaft, the center of which brs. from Cor. No.2 Kinnes ots lode of this Sur. N.20 State, 450 ft., 4 x 6 ft. 9 ft. deep.</li> <li>No.2 A shaft, the center of which brs. from Cor. No.2 Kinnes ots lode of this Sur. N.29 SO'E., 450 ft., 4 x 6 ft. 6 ft. deep.</li> <li>No.3 A shaft, the center of which brs. from Cor. No.2 Kinnes ots lode of this Sur. N.29 SO'E., 450 ft., 4 x 6 ft. 6 ft. deep.</li> <li>No.5 A shaft, the center of which brs. from Cor. No.2, N.26° E., 450° ft. 4 x 6 ft. 9 ft. deep.</li> <li>No.4 A shaft, the center of which brs. from Cor. No.2, N.22°16 ° E., 420 ft. 4 x 6 ft. 9 ft. deep.</li> <li>No.4 A shaft, the center of which brs. from Cor. No.2, N.22°16 ° E., 420 ft. 4 x 6 ft. 9 ft. deep.</li> <li>No.4 A shaft, the center of which brs. from Cor. No.1, S. 32° E., 220 ft. 4 x 6 ft. 8 ft. deep.</li> <li>No.4 A shaft, the center of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, sterage 5 ft. deep, running south 80 ft. to S. end.</li> <li>No.7 A shaft, the center of which brs. from Cor. No.3, N.72°20' W., 125 ft. , 4 x 6 ft. 6 ft. deep.</li> <li>No.7 A shaft, the center of which brs. from Cor. No.3, N.72°20' W., 125 ft. , 4 x 6 ft. 9 ft. deep.</li> <li>No.7 A shaft, the center of which brs. from Cor. No.3, N.72°20' W., 125 ft. , 4 x 6 ft. 10 ft. deep.</li> <li>No.6 An open cut, the north end of which brs. from Cor. No.3, N.72°20' W., 125 ft. , 4 x 6 ft. 10 ft. deep.</li> <li>No.6 A shaft, the center of which brs. from Cor. No.3, N.72°20' W., 125 ft. , 4 x 6 ft. 10 ft. deep.</li> <li>No.6 A shaft, the center of whi</li></ul>	.ebc	S.85° E.,1005 ft., $4 \ge 6$ ft. 15 ft. deep. at 10 ft. below a tunnel $4 \ge 6$ ft. running S. 60° E. 20 ft. to mouth, at m of tunnel is a cut $4 \frac{1}{2}$ ft. wide 8 ft. force munine S. 60°	collar is outh of
<ul> <li>No.12 A shaft, the center of which brs. from Cor. No.2 Key lode of this Su Value \$5000.0</li> <li>No.13 A shaft, the center of which brs. from Cor. No.2 Key lode of this Su S.86° E. 1110 ft. 4 × 6 ft. 10 ft. deep. Value \$100.0</li> <li>An undivided 1/7 interest in improvement No.2, Steple lode of this Su Value \$100.0</li> <li>An undivided 1/7 interest in improvement No.2, Steple lode of this Su Value \$100.0</li> <li>An undivided 1/7 interest in improvement No.2, Steple lode of this Sur. hereinafter described, credited to this lode. Value \$100.0</li> <li>Mo.1 The Discovery point is on the center line, 225 ft. from the center of line 1.2 , 4 × 6 ft. 9 ft. deep. Value \$100.0</li> <li>No.2 A shaft, the center of which brs. from Cor. No.2 Minnes ota lode of this Sur. N.29°50'E., 450 ft 4 × 6 ft. 6 ft. deep. Value \$100.0</li> <li>No.3 A shaft, the center of which brs. from Cor. No.2, N.26° E., 450'ft. 4 × 6 ft. 2 ft. deep. Value \$100.0</li> <li>No.4 A shaft, the center of which brs. from Cor. No.2, N.26° E., 450'ft. 4 × 6 ft. 2 ft. deep. Value \$100.0</li> <li>No.4 A shaft, the center of which brs. from Cor. No.2, N.26° E., 420'ft. 4 × 6 ft. 6 ft. deep. Value \$100.0</li> <li>No.4 A shaft, the center of which brs. from Cor. No.1, S. 32° E., 220 ft. 4 × 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.5 A shaft, the center of which brs. from Cor. No.1, S. 52° E. 140 ft. 4 1/2 ft. wide, sverage 5 ft. deep, running south 80 ft. to S. end. Value \$700.</li> <li>No.6 A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 125 ft., 4 × 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.6 A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 125 ft., 4 × 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.6 A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 125 ft. , 4 × 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.6 A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 125 ft. , 4 × 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.6 A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 100 ft. 4 × 6</li></ul>	.6 ft.	Total value shaft, tunnel and cut \$550.0	
<ul> <li>No.13 A shaft, the center of which brs. from Cor. No.2 Key lode of this Su State &amp; Lilo ft., 4 x 6 ft. 10 ft. deep. Yelue \$100.0</li> <li>An undivided 1/7 interest in improvement No.2, Steple lode of this Su. hereinsfter described, orddited to this lode. Yelue \$200.0</li> <li>An undivided 1/7 interest in improvement No.2, Steple lode of this Su. hereinsfter described, orddited to this lode. Yelue \$2702.65</li> <li>No.1 The Discovery platt of the Minhesota lode, the center of which being the discovery point is on the center line, 225 ft. from the denter of line 1-2, 4 x 6 ft. 9 ft. deep. Yelue \$100.0</li> <li>No.2 A shaft, the center of which brs/ from Cor. No.2 Minnes ota lode of this Sur. N.29°30°E., 450 ft. 4 x 6 ft. 6 ft. deep. Yelue \$100.0</li> <li>No.3 A shaft, the center of which brs. from Cor. No.2, N.26° E., 450° ft. 4 x 6 ft. 25 ft. deep. Yelue \$200.0</li> <li>No.4 a shaft, the center of which brs. from Cor. No.2, N.26° E., 450° ft. 4 x 6 ft. 3 ft. deep. Yelue \$200.0</li> <li>No.4 a shaft, the center of which brs. from Cor. No.2, N.26° E., 220 ft. 4 x 6 ft. 6 ft. deep. Yelue \$200.0</li> <li>No.4 a bhaft, the center of which brs. from Cor. No.1, S. 32° E., 220 ft. 4 x 6 ft. 6 ft. deep. Yelue \$100.0</li> <li>No.6 An open cut, the north end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, severage 5 ft. deep, running south 60 ft. to S. end. Yelue \$700.</li> <li>No.6 A shaft, the center of which brs. from Cor. No. 3, N.72°20° W., 125 ft., 4 x 6 ft. 6 ft. deep. Yelue \$100.0</li> <li>No.6 A shaft, the center of which brs. from Cor. No. 3, N.72°20° W., 125 ft., 4 x 6 ft. 6 ft. deep. Yelue \$100.0</li> <li>No.6 A shaft, the center of which brs. from Cor. No.3, N.72°20° W., 125 ft., 4 x 6 ft. 6 ft. deep. Yelue \$100.0</li> <li>No.6 A shaft, the center of which brs. from Cor. No.3, N.72°20° W., 125 ft., 4 x 6 ft. 6 ft. deep. Yelue \$200.0</li> <li>No.6 A shaft, the center of which brs. from Cor. No.3; N.72°20° W., 125 ft., 4 x 6 ft. 6 ft. deep. Yelue \$200.0</li> </ul>	No.12	A shaft, the center of which brs. from Cor. mp 2 key lod S. 87° E., 1090 ft., 4 x 6 ft. 150 ft. deep.	e of this Su
<ul> <li>S.85° E. 110 Ft., 4°x6 ft. 10 ft. deep. Yalue \$100.0</li> <li>An undivided 1/7 interest in improvement No.2. Steple lode of this Sur. hereinsfter described, oredited to this lode. Yalue \$3702.85</li> <li>No.1 The Discovery shaft of the Minnesota lode, the center of which being the discovery point is on the center line, 225 ft. from the center of line 1.2, 4 x 6 ft. 9 ft. deep. Value \$100.0</li> <li>No.2 A shaft, the center of which brs. from Cor. No.2 Minnes ota lode of this Sur. N.29*50'E., 450 ft. 4 x 6 ft. 6 ft. 6 ft. 6 deep. Value \$100.0</li> <li>No.3 A shaft, the center of which brs. from Cor. No.2. No.6° E., 450 ft. 4 x 6 ft. 8 ft. deep. Value \$200.0</li> <li>No.4 A shaft, the center of which brs. from Cor. No.2. N.22*15 ' E., 420 ft. 4 x 6 ft. 8 ft. deep. Value \$200.0</li> <li>No.5 A shaft, the center of which brs. from Cor. No.1. S. 32° E., 220 ft. 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.6 A shaft, the center of which brs. from Cor. No.1. S. 52° E., 420 ft. 4 x 6 ft. 9 ft. deep. Value \$100.0</li> <li>No.6 An open cut, the north end of which brs. from Cor. No.1. S. 50° E., 120 ft. 4 x 6 ft. 10 ft. deep. Value \$700.</li> <li>No.7 A shaft, the center of which brs. from Cor. No. 3. N.72*20' W., 125 ft. 4 x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No. 3. N.72*20' W., 125 ft. 4 x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No. 3. N.72*20' W., 125 ft. 4 x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No. 3. N.72*20' W., 125 ft. 4 x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>A shaft, the center of which brs. from Cor. No.3. N.72*20' W., 126 ft. 4 x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>A shaft, the center of which brs. from Cor. No.3. N.72*20' W., 126 ft. 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>A shaft, the center of which brs. from Cor. No.3. N.72*20' W., 126 ft. 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> </ul>	6J . 59. 1	Value \$6000.0 a inter . 31 V x Value \$6000.0 a eot . 138 34	
An undivided 1/7 interest in improvement No.2, Staple lode of this Sur. hereinafter described, credited to this lode. Value \$3702.85 NUNNESOTA Lode. No.1 The Discovery spart of the Minnesota lode, the center of which being the discovery point is on the center line, 225 ft. from the center of line 1-2, 4 x 6 ft. 9 ft. deep. Value \$100.0 No.2 A shaft, the center of which brs/ from Cor. No.2 Minnes ota lode of this Sur. N.29°30'E., 450 ft., 4 x 6 ft. 8 ft. deep. Value \$100.0 No.3 A shaft, the center of which brs. from Cor. No.2. N.26° E., 450' ft. 4 x 6 ft. 25 ft. deep. Value \$200.0 No.4 A shaft, the center of which brs. from Cor. No. 2, N.26° E., 450' ft. 4 x 6 ft. 8 ft. deep. Value \$200.0 No.5 A shaft, the center of which brs. from Cor. No. 2, N.26° E., 220 ft. 4 x 6 ft. 8 ft. deep. Value \$200.0 No.5 A shaft, the center of which brs. from Cor. No. 1, S. 52° E., 220 ft. 4 x 6 ft. 8 ft. deep. Value \$200.0 No.6 An open cut, the north'end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, average 5 ft. deep. running south 60 ft. to S. end. Value \$700. No.7 A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 125 ft., 4 x 6 ft. 10 ft. deep. Value \$100.0 No.8 A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 125 ft., 4 x 6 ft. 10 ft. deep. Value \$100.0 No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20' W., 100 ft. 4 x 6 ft. 6 ft. deep. Value \$100.0 No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20' W., 100 ft. 4 x 6 ft. 6 ft. deep. Value \$100. An undivided 1/7 interest 11 improvement No.2 Staple lode of this Sur. hereinafter described, oredited to this lode. Value \$3702.85	oos of	S.86° E. 1110 ft., 4 x 6 ft. 10 ft. deep.	e of this Su
<ul> <li>MINNESOTA Lode.</li> <li>No.1 The Discovery shaft of the Minnesota lode, the center of which being the discovery point is on the center line, 225 ft. from the center of line 1-2, 4 x 6 ft. deep. Value \$100.0</li> <li>No.2 A shaft, the center of which brs/ from Cor. No.2 Minnes ota lode of this Sur. N.29°SO'E., 450 ft., 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.3 A shaft, the center of which brs. from Cor. No.2, Minnes ota lode of this Sur. N.29°SO'E., 450 ft. a cep. Value \$200.0</li> <li>No.4 A shaft, the center of which brs. from Cor. No.2, N.26° E., 450 ft. 4 x 6 ft. 25 ft. deep. Value \$300.0</li> <li>No.4 A shaft, the center of which brs. from Cor. No.1, N.22°15 ' E., 420 ft. 4 x 6 ft. 6 ft. deep. Value \$100.0</li> <li>No.5 A shaft, the center of which brs. from Cor. No.1, S. 52° E., 220 ft. 4 x 6 ft. 6 ft. deep. Value \$100.0</li> <li>No.6 An open cut, the north end of which brs. from Cor. No.1, S. 51° E., 140 ft. 4 1/2 ft. wide, average 5 ft. deep, running south 60 ft. to S. end. Value \$700.</li> <li>No.7 A shaft, the center of which brs. from Cor. No.3, N.72°20' W., 125 ft., 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.2, N.72°20' W., 125 ft., 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3, N.72°20' W., 125 ft., 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3, N.72°20' W., 125 ft., 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20' W., 125 ft., 6 ft. 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20' W., 125 ft., 6 ft. 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20' W., 125 ft. 6 ft. 6</li></ul>		An undivided $1/7$ interest in improvement No.2, Staple lo	de of this
<ul> <li>being the discovery point is on the center line, 225 ft. from the center of line 1.2, 4 x 6 ft. 9 ft. deep. Value \$100.0</li> <li>No.2</li> <li>A shaft, the center of which brs/ from Cor. No.2 Minnes ota lode of this Sur. N.29°30'E., 450 ft., 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.3</li> <li>A shaft, the center of which brs. from Cor. No.2, N.26° E., 450 ft. 4 x 6 ft. 2 ft. deep. Value \$100.0</li> <li>No.4</li> <li>A shaft, the center of which brs. from Cor. No. 2, N.22°15' E., 420 ft. 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.5</li> <li>A shaft, the center of which brs. from Cor. No. 1, S. 32° E., 220 ft. 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.6</li> <li>An open cut, the north end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, average 5 ft. deep, running south 60 ft. to S. end. Value \$700.</li> <li>No.6</li> <li>A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 125 ft., 4'x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.8</li> <li>A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 100 ft. 4 x'6 ft. 8 ft. deep. Value \$100.0</li> <li>No.6</li> <li>A nudivided 1/7 interest in improvement No.2 Staple lode of this Surhering the source of this lode. Value \$3702.85</li> </ul>		MINNESOTA Lode.	
<ul> <li>No.2 A shaft, the center of which brs/ from Cor. No.2 Minnes ota lode of this Sur. N.29°50'E., 450 ft., 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.3 A shaft, the center of which brs. from Cor. No.2, N.26° E., 450'ft. 4 x 6 ft. 25 ft. deep. Value \$300.0</li> <li>No.4 A shaft, the center of which brs from Cor. No. 2 . N.22°15 'E., 420 ft. 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.5 A shaft, the center of which brs. from Cor. No. 1, S. 32° E., 220 ft. 4 x 6 ft. 8 ft. deep. (cared) Value \$100.0</li> <li>No.6 An open cut, the north end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, average 5 ft. deep. running south 80 ft. to S. end. Value \$700.</li> <li>No.7 A shaft, the center of which brs. from Cor. No. 3, N.72°20'W., 125 ft., 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 100 ft. 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 100 ft. 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 100 ft. 4 x 6 ft. 6 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3, N.72°20'W., 100 ft. 4 x 6 ft. 6 ft. deep. Yalue \$100.</li> </ul>	duergoloveb s	being the discovery point is on the center line, 225 ft. f center of line 1-2, 4 x 6 ft. 9 ft. deep.	which rom the
<ul> <li>This Sur. M.29°30'E., 450 ft., 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.3 A shaft, the center of which brs. from Cor. No.2, N.26° E., 450' ft. 4 x 6 ft. 25 ft. deep. Value \$300.0</li> <li>No.4 A shaft, the center of which brs from Cor. No. 2 . N.22°15 ' E., 420 ft. 4 x 6 ft. 8 ft. deep. value \$100.0</li> <li>No.5 A shaft, the center of which brs. from Cor. No.1, S. 32° E., 220 ft. 4 x 6 ft. 8 ft. deep. (caved) Value \$100.0</li> <li>No.6 An open cut, the north end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, average 5 ft. deep, running south 80 ft. to S. end. Value \$700.</li> <li>No.7 A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 125 ft. , 4'x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20' W., 100 ft. 4 x'6 ft. 8 ft. deep. Yalue \$100.0</li> <li>A shaft, the center of which brs. from Cor. No.3; N.72°20' W., 100 ft. 4 x'6 ft. 8 ft. deep. Yalue \$100.0</li> <li>A undivided 1/7 interest in improvement No.2 Staple lode of this Sur. Nalue \$3702.85</li> </ul>			
<ul> <li>No.3 A shaft, the center of which brs. from Cor. No.2, N.26° E., 450' ft. 4 x 6 ft. 25 ft. deep. Value \$300.0</li> <li>No.4 A shaft, the center of which brs from Cor. No. 2 . N.22°15 ' E., 420 ft. 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.5 A shaft, the center of which brs. from Cor. No.1, S. 32° E., 220 ft. 4 x 6 ft. 8 ft. deep (caved) Value \$100.0</li> <li>No.6 An open cut, the north end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, average 5 ft. deep, running south 80 ft. to S. end. Value \$700.</li> <li>No.7 A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 125 ft., 4 x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 100 ft. 4 x 6 ft. 8 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20'W., 100 ft. 4 x 6 ft. 8 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.2; N.72°20'W., 100 ft. 4 x 6 ft. 8 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.2; N.72°20'W., 100 ft. 4 x 6 ft. 8 ft. deep. Yalue \$100.</li> </ul>	To astion	this Sur. N.29°30'E., 450 ft., 4 x 6 ft. 8 ft. deep. Value \$100.0	ta lode of
<ul> <li>No.5 A shaft, the center of which brs. from Cor. No.1, S. 32° E., 220 ft. 4 x 6 ft. 8 ft. deep. (caved) Value \$100.0</li> <li>No.6 An open cut, the north end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, average 5 ft. deep, running south 80 ft. to S. end. Value \$700.</li> <li>No.7 A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 125 ft., 4'x 6 ft. 10 ft. deep. Value \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20'W., 100 ft. 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.2 Staple lode of this Sur. hereinafter described, credited to this lode. Value \$3702.85</li> </ul>	NO.3	A shaft, the center of which brs. from Cor. No.2, N.26° E., 450 <sup>f</sup> ft. 4 x 6 ft. 25 ft. deep.	
<ul> <li>No.5 A shaft, the center of which brs. from Cor. No.1, S. 32° E., 220 ft. 4 x 6 ft. 8 ft. deep. (caved) Value \$100.0</li> <li>No.6 An open cut, the north end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, average 5 ft. deep, running south 80 ft. to S. end. Value \$700.</li> <li>No.7 A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 125 ft., 4'x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20'W., 100 ft. 4 x 6 ft. 8 ft. deep. Value \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20'W., 100 ft. 4 x 6 ft. 8 ft. deep. Value \$100.</li> <li>An undivided 1/7 interest in improvement No.2 Staple lode of this Sur. hereinafter described, credited to this lode. Value \$3702.85</li> </ul>		N. ZZ ID L., 4ZU IC. 4 X D IC. 8 IC. deep.	
<ul> <li>No.6 An open cut, the north end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, average 5 ft. deep, running south 80 ft. to S. end.</li> <li>Value \$700.</li> <li>No.7 A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 125 ft., 4'x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20'W., 100 ft. 4 x'6 ft. 8 ft. deep. Yalue \$100.</li> <li>An undivided 1/7 interest in improvement No.2 Staple lode of this Sur. hereinafter described, credited to this lode. Yalue \$3702.85</li> </ul>	No.5	A shaft, the center of which brs. from Cor. No.1, S. 32° E., 220 ft. 4 x 6 ft. 8 ft. deep (caved) Value \$100.0	
Value \$700. No.7 A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 125 ft., 4'x 6 ft. 10 ft. deep. Value \$100.0 No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20'W., 100 ft. 4 x 6 ft. 8 ft. deep. Value \$100. An undivided 1/7 interest in improvement No.2 Staple lode of this Sur. hereinafter described, credited to this lode. Value \$3702.85	No.6	An open cut, the north end of which brs. from Cor. No.1, S. 51° E. 140 ft. 4 1/2 ft. wide, average 5 ft. deep. runn:	ing
<ul> <li>No.7</li> <li>A shaft, the center of which brs. from Cor. No. 3, N.72°20' W., 125 ft., 4'x 6 ft. 10 ft. deep. Yalue \$100.0</li> <li>No.8</li> <li>A shaft, the center of which brs. from Cor. No.3; N.72°20'W., 100 ft. 4 x'6 ft. 8 ft. deep. Yalue \$100.</li> <li>An undivided 1/7 interest in improvement No.2 Staple lode of this Sur. hereinafter described, credited to this lode. Value \$3702.85</li> </ul>			
No.8 No.8 No.8 No.8 No.8 No.8 No.8 No.8	goi Jue No 7 ac	A shaft, the center of which brs. from Cor. No. 3.	1.0%
No.8 A shaft, the center of which brs. from Cor. No.3; N.72°20'W., 100 ft. 4 x 6 ft. 8 ft. deep. Value \$100. An undivided 1/7 interest in improvement No.2 Staple lode of this Sur. hereinafter described, credited to this lode. Value \$3702.85		N. 72°20' W., 125 ft., 4'x 6 ft. 10 ft. deep.	
N.72°20'W., 100 ft. 4 x 6 ft. 8 ft. deep. Value \$100. An undivided 1/7 interest in improvement No.2 Staple lode of this Sur hereinafter described, credited to this lode. Value \$3702.85	etes is to abo		1. CM
An undivided 1/7 interest in improvement No.2 Staple lode of this Sur. hereinafter described, credited to this lode. Value \$3702.85		N. 72 °20 'W., 100 ft. 4 x 6 ft. 8 ft. deep.	
An undivided 1/7 interest in improvement No.2 Staple lode of this Sur. hereinafter described, credited to this lode. Value \$3702.85	6.0	I case	5.0
Value \$3702.85 d dia a 2.00 boi seat 1.0 mor er noine 10 \$3702.85 d dia a 2.00 .0000 th. 10 x 2 .11		An undivided 1/7 interest in improvement No.2 Staple lode	of this Sur
565'40' 5., Au 15. 4 x 6 15. 150 15. 6965. Vilae ,6000.		Value \$3702.85	2.07
		addrage s. And It. 4 x 6 ft 150 ft deen	

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		MINERAL Survey No. 4295 EXPENDITERE OF \$500. Cont'd. STAPLE Lode.	
	No.l	The discovery shaft of the Staple lode, the center of which being the discovery point, is on the center line, 100 ft. from the center of line 3-4, 4 x 6 ft. 8 ft. deep. Value \$100.	
T. C	of this. coller t	An interest in a common improvement described as follows:	
	No.2	A shaft, the center of which brs. from Cor. No.l Staple lode, S.70°15' E., 350 ft. 5 x 12 ft. timbered 200 ft. deep At the loo ft. level is a drift 5 x 7 ft. running north 16 ft. to Sta. 101, thence N.55° E., 19 ft. to Sta. 102, thence S. 81° E., 34 ft. to Sta. 103, thence S. 61°15 'E., 48.5 ft. to Sta. 104, thence	
s jur.	1ng 10-9	S. 61°15 ' E:, 66 ft. to Sta. 105, thence S. 61°15 ' E., 18. 5 ft. to Sta. 106, thence S 61°15 E. 69 ft. to face. At Sta. 104 is a cross-cut 5 x 7 ft. running S.56° W., 28 ft. to	
	e of thi	<pre>face. At face is a winze 4 x 6 ft. 30 ft. deep. At Sta. 105 is a cross-cut 5 x 7 ft. running S. 50° W. 40 ft. to face. At Sta. 105 is a cross-cut 5 x 7 ft. running N.50° E., 21 ft. to face. At Sta. 106 is a raise to surface, running N.50°30'E., 100 ft. high Value 200 ft. shaft - \$20,000</pre>	
	ni iq eb	Value 30 ft. winze - 600. Value 100 ft. raise - 1,000. Value 360 ft. 10f drifte and crossculer#, 320.	
a la		Total Value \$25,920. Value 1/7 interest- \$3,702.85	
	Which row the	o reals, eva 'coor somesting and real trader we trader	
		The surface rises rapidly to the North and south from the collar of this shaft, and all the discoveries of the above mentioned claims are above the collar of this shaft, as drifting and cross-cutting, with necessary laterals, affords the most practical and economical means of developing each of the stated lodes at depth.	
		Five hundred dollars or over has been expended in this improvement in such a manner as tends to the development of each lode of this Sum. subsequent to its location and to the time since which common owner- ship and contiguity have prevailed: therefore an undivided one seventh interest in its value is hereby credited to each of the said lodes.	
		An undivided 1/7 interest in the above improvement, credited to this lode.	
	ani	Value \$3,702.85 PASS Lode.	
	No.1	The discovery point of the Pass lode is on the center line 580 ft. from the center of line 3-4, consisting of a mound of stone on outcrop. No Value.	
	No .2	A shaft, the center of which brs. from Cor. No. 4 Pass lode of this Sur. S.56° W., 635 ft. 4 x 6 ft. 8 ft. deep. Value \$100.	
	No.3	A shaft, the center of which brs. from Cor. No. 4 Pass lode, S.52 °45'W., 575 ft. 4 x 6 ft. 4 ft. deep (caved) i	
102	etgs 10	Value \$100.0	
	No.4	A shaft, the center of which brs from Cor. No.l Pass lode, N85°40' E.,740 ft. 4 x 6 ft. 150 ft. deep. Value \$6000.	••
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		MINERAL SURVEY No.4295 EXPENDITURE OF \$500. Cont'd. PASS LODE Cont'd.
.15	No.5	A shaft, the center of which brs from Cor. No.l Pass lode N.87 °40'E., 670 ft. 4 x 6 ft. 50 ft. deep. Value \$2000.
21	the centre of line	Value \$3702 85
		COLUMBIA Lode.
	No.1	The discovery shaft of the Columbia, the center of which being the discovery point is on the center line, 730 ft. from the center of line $3-4$ , $4 \ge 6$ ft. 10 ft. deep.
.474	i jibaco   gluegou	Value \$100.
•	3.5.1	A shaft, the center of which brs. from Cor. No.2, columbia lode, S.22°30'E., 640 ft., 4 x 6 ft. 8 ft. deep. Value \$100.
29.74	1	The server and the company and added when the the table to be send the
ent 1 nol	.setos	$10.00$ $10$ $E_{\bullet}$ $500$ $10$ $4$ $X$ $D$ $10$ $10$ $10$ $10$ $A$
	No.4	A shaft, the center of which brs. from Cor. No.1, Columbia lode, N.57° E. 155 ft. 4 x 6 ft. 8 ft. deep. Value \$100.0
	No.5	A cut, the mouth of which brs. from Cor. No. 1, Columbia lode, N. 69°15 ' E., 180 ft. 5 ft. wide, 8 ft. face, running N.58°30'W., 20 ft. to face.
3360	of pine p	Value \$100.
R	No.6	A tranch, the S. end of which brs. from Cor. No. 4 Columbia lode, N.28° W., 790 ft. 20 ft. long, 8 ft. deep Course N.57° E. 4 ft. wide. Value \$200
	No:7:1: origination	A trench the center of which is on the lode line 700 ft. from the center of line 3-4, 4 ft: wide, 20 ft. long x 8 ft. deep, course N.85° E. and S.85° W., Value \$200.
	No.8	A shaft, the center of which brs. from Cor. No.4, Columbia lode, N. 28° W. 700 ft. 4 x 6 ft. 25 ft. deep. Value \$300.0
. 5.	No.9	A shaft, the N.E. cor of which is on the center line 451.5 ft. from the center of line 3-4, $4 \times 6$ ft. 10 ft. deep. Value \$100.
	The Contract of Palatic	A shaft, the S.E. cor of which is on the center line 400 ft. from the center of line 3-4, 4 x 6 ft. 6ft. deep (caved) Value $$100$ .
.00	· ··· And State of the State	A trench, the S. end of which brs. from Cor. No.4 Columbia lode, N. 18°15 ' W., 450 ft. 4 ft. wide, average 4 ft. deep, running N. 33° E., 50 ft. to N. end.
		<b>Value</b> \$200.
• •	No.12	A Diamond Drill Hole, 300 ft. deep, brs. from Cor. No.4 Columbia lode N.20° 30' W. 480 ft. (1 13/16 " diameter) Value \$1200.
•••	No.13	A diamond Drill Hole (1 13/16" Diam) 275 ft. deep brs. from Cor. No.4 Columbia lode, N. 25° W. 805 ft. Value \$ 1100.0

U. S. GOVERNMENT PREVING OFFICE

6-8155

4--678 b

	MINERAL SURVEY NO. 4295
	EXPENDITURE OF \$500. Cont d COLUMBIA Lode Cont d.
Ð	An undivided 1/7 interest in improvement No.2 Staple lode of this Sur. heretofore described, credited to this lode. Velue \$ 3702.85
	OTHER IMPROVEMENTS.
	A frame (iron clad building) the N.W. cor of which is on the center line of the Turk lode of this Sur. 25 ft. from the center of line 1-2. 15 x 18 ft. Course of long sides N. 80° E. Claimant herein.
a do seried :	OTHER CORNER, DESCRIPTIONS.
enil io year	Sur. No.1504, Hoosier lode, Cor. No.5 was a pine post4 ins. sq. by 4 ft high, scribed H 3 -1504 but found to be, badly decayed condition. The E end center was a pine post 4 ins sq by 4 ft. high properly set and scribed but badly decayed and unsuitable for permanent mon.
te lode,	I replaced same with another post in the exact position of the orig. mon. as described in the foregoing field notes. Cor. No.4 was apparently obliterated when the highway to Twin Buttes was constructed I re established this corner by setting a capped iron pipe from the
is loca,	record course and distance from Cor. No.3 marked with the number of th carner and the survey as described in the foregoing field notes. Cor. No.3 was replaced with a capped iron pipe in the exact position of the original corner and marked with the number of the corner and
14 lodo.	the survey as described in the foregoing field notes.
, 6001 01 dfo 23	Sur. No.415 San Xavier lode, All corners consist of pine posts properly set and scribed with the number of the corners and the survey. I find all courses and distances to be correct as approved.
ia lode, 4 ft. stra. from tan bourse	Cor: No.3 which is identical with Cor. No.3 Argo lode and Cor. No.5 which is identical with Cor. No.2 Sur. No.1650 Iron Mountain and Cor. No. 4 Argo lode of this Sur., were found to be in poor condition; I replaced same by setting 2 in. capped pipe in their exact original
, apoi a	Sur. No.3726 Martha B. Ketz and Eida B. lodes . All corners, 1 in iron pipe with brass caps, firmly set and properly marked. I find all lines to be correct as approved.
wil .Ji	After diligent search no evidence of the Cor. to Secs.1,2,11 and 12, or the 1/4 Cor. bet. Secs. 1 and 2, T175., R.12 E. could be found.
	ADJOINING CLAIMS.
mori .st	On the north by Sur. No.415 San Xavier lode, Sur. No.411 Patterson lode, Sur. No.3726 Martha B. Ketz and Eida B. lodes and Sur. No.1650 Iron Mountain lode.
e loda, ming	I OH THE SOUTH BY DODDIE NOT TONE DHE. HEHIV A. MEVEL. CINIMANU.
olumbia lode	rall: 1 Diamona Frill Bole, 300 F. daen. Fr. Fran for Fo. 9.20° 50' 40 ft. (1 1%/10 " diadeter) False .1200

6-8155

U. S. GOVE

MENT PR

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE

4-685

# FINAL OATHS FOR SURVEYS

#### LIST OF NAMES

A list of the names of the individuals employed by <u>T.N. Stevens</u>				
Mineral Surveyor, to assist in r	running, measuring, and marking the lines, corners, and boundaries			
described in the foregoing field no	otes of the survey of the mining claim of			
	r Mining and Smelting Company			
known as theARGO, TURK, KEY, I	AINNESOTA, STAPLE, PASS, and COLUMBIA lodes			
and showing the respective capaci	ties in which they acted.			
	Ches A. Welsh , Chainman.			
	, Chainman.			
	, Axman.			
	, Flagman.			
	, r wynan.			
FIN	NAL OATHS OF ASSISTANTS			
	, do solemnly swear that we assisted			
<u>, 1.11. 00000113</u>	United States Mineral Surveyor, in marking the corners and surveying			
the boundaries of the mining claim	of The Eagle - Picher Mining and Smelting Company			
known as the ARGO, TURK, KEY,	MINNESOTA, STAPLE, PASS, and COLUMBIA lodes			
	notes as having been surveyed by said mineral surveyor and under his			
	been in all respects, to the best of our knowledge and belief, faithfully			
	orner and boundary monuments established according to law and the			
action furnished by the Onic	e Cadastral Engineer, at			
	Schauly allalich, Chainman.			
	, Chainman.			
	, Axman.			
	, Flagman.			
Subscribed an	d sworn to by the above-named persons before me this			
day of	Show, 1945			
- The an	Caca Manis			
my round	non expires Thotay Public			
6-1048 T. B. OF KEDURAL PRENTING OFFICE	ision expires Hunes, 1949			

4-686 (April 1939)

### UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE

### FINAL OATH OF MINERAL SURVEYOR

I, \_\_\_\_\_, Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at \_\_\_\_\_ Phoenix, Ariz\_\_\_\_, dated \_\_\_\_\_ July 23, 1945\_\_\_\_, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the mining claim of ...... The Eagle-Picher Mining and Smelting Company , known as the ARGO, TURK, KEY, MINNESOTA, STAPLE, PASS, and COLUMBIA lodes situate in \_\_\_\_\_ Mining District, pima County, Arizona , in Section and designated as Survey No. \_\_\_\_\_\_4295\_\_\_\_\_, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Office Cadastral Engineer with said instructions, and that all corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or \_\_\_\_\_\_its grantors are as therein fully stated, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim. \_\_\_\_\_\_

Mineral Surveyor) Subscribed and sworn to by the said M. Stevens Mineral Surveyor, before me .... 9. notary Public this \_\_\_\_\_ 3

day of \_\_\_\_\_\_ 19/44

my commission effices Jame 5, 1945

17

4--688 (December 1941)

### CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

### **Anited States Department of the Interior** GENERAL LAND OFFICE PUBLIC SURVEY OFFICE

Phoenix, Arizona

		December 28	, 19 45
I,Of	fice Cadastral En	ngineer at Phoenix, Arizona	
of the mining claim of	of The Eagle-Pi	ot of the Field Notes, return and approval cher Mining and Smelting C	0.
		nnesota, Staple, Pass and	
	Pima		
Mining District	Pima	County Arizon	8
		County Arizon	
in Sections 1,2,11 8	212 Township No. 17		, and
in Section <b>51,2,118</b> designated as Survey	212 Township No. 17 No. 4295	S., Range No. 12 E.	, and ginals on file in
in Section <b>5.1,2,11.8</b> designated as Survey this office; that said	<b>kl?</b> Township No. <u>17</u> No. <u>4235</u> Field Notes furnish sucl	S., Range No. 12 E.	inals on file in laim as will, if
in Section <b>5.1,2,11.8</b> designated as Survey this office; that said 1 incorporated into a pa	<b>A12</b> Township No17 No4235 Field Notes furnish such	S. , Range No. 12 E, has been correctly copied from the orig	inals on file in laim as will, if made therein

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant \_\_\_\_\_\_\_ or \_\_\_\_\_\_ its \_\_\_\_\_\_ grantors,

and that said improvements consist of 7 cuts, 3 trenches, 36 shafts, 2 tunnels and 2 diamond drill holes, total value \$87,415.00.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

E.A. Thompson

Office Cadastral Engineer.

U. S. GOVERNMENT PRINTING OFFICE 16-26485-1

## CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

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6-7181

D. S. GOTERNMENT PRINTING OFFICE

4-687

#### UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE PUBLIC SURVEY OFFICE

	At Phoenix, Arizona
	December 28, 1945
I, Office Cadastral Engineer at Phoenix	, Arizona
do hereby certify that the foregoing and hereto atta	ached Field Notes and Return of the Survey of the
Mining Claim of The Eagle-Picher Mini	ng and Smelting Company
	, known as the
Argo, Turk, Key, Minnesota, Stapl	e, Pass and Columbia lodes
situate in Pima	mining district,
Pima County,	Arizona
in Sections 1,2,11 and 12, Township No	17. S, Range No. 12 E.
G.&. S.R.M., designated as Survey No. 4	295
executed by T. N. Stev	ens, Mineral
Surveyor, <u>August 21 to November 3</u>	, 19 45, under my instructions dated
July 23, 194	5, have been critically examined and the necessary
corrections and explanations made, and the said Fie	ld Notes and Return, and the Survey they describe,
are hereby approved. The certified copy of the loc	ation certificate filed by the applicant for survey is
on file in this office and a true copy of said certifi	ed copy of said location certificate is included and
made a part of the transcript of the field notes.	

E. a. Thompson Office Cadastral Engineer.



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## UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT State Office 3022 Federal Building Phoenix, Arizona 85025

Memorandum

November 23, 1965

То	:	Land Office Manager, Arizona
From	:	State Director, Arizona
Subject	:	Mineral Survey No. 4295

By Relinquishment of Portion of Entry, dated February 3, 1950, Phoenix Serial No. 083091, Mineral Survey 4295, The Eagle-Picher Mining and Smelting Company relinquished all of its right, title, claim and interest in and to the Argo unpatented lode mining claim situate in Section 2, Township 17 South, Range 12 East, Gila and Salt River Meridian, Arizona, and withdrew the Denial of Charges and Application for Hearing previously filed. The relinquishment was brought about by reason of charges filed in Contest No. 9589.

This memorandum cancels the survey of the Argo lode of Mineral Survey No. 4295. A notation should be made on the plat of Mineral Survey No. 4295 stating the survey of the Argo lode has been canceled by memorandum dated November 23, 1965. No notations should be made on the field notes. The plat and field notes should remain in the files.

Jueg. abili

cc: Director

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT ARIZONA STATE OFFICE

9605 (942) M.S. 4295

#### NOTICE OF CANCELLATION OF MINERAL SURVEY

The Staple lode, Mineral Survey No. 4295, located in sections 2 and 11, Township 17 South, Range 12 East, Gila and Salt River Meridian, Arizona, is hereby canceled.

This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to facilitate a proposed land exchange with ASARCO Incorporated and to clear the record.

The Mineral Survey Plat should be noted as follows:

"Staple lode, M.S. 4295 was canceled February 20, 1992, by memo 9605 (942) M.S. 4295, which is now a part of the original field notes."

February 20, 1992 Date

Hell

Chief Cadastral Surveyor of Arizona