

Form 4-683
(April 1959)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey Number	4584
State	ARIZONA
Land District	ARIZONA

FIELD NOTES

Of the Survey of the Mining Claim of (Name & address of Claimant)

Banner Mining Company
P. O. Box 5605
Tucson, Arizona

Known as the (Name of group, if any)

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Piute	9/15/55	12/12/55
Ute	9/15/55	12/12/55
Comanche	9/16/55	10/1/60
Hopi	9/16/55	

Mining District Pima		County Pima	Section 26 & 35
Township 16S.	Range 12E.	Meridian G.&S.R.B.&M.	Surveyed under order dated Oct. 4, 1961
Survey commenced Oct. 4, 1961	Survey completed Oct. 20, 1961	Name of Mineral Surveyor Harvey W. Smith	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Field Survey Number

432

ALL DATA

SECTION

Barren Mining Company
P. O. Box 100
Laramie, WY 82001

DATE	LOCATION	DESCRIPTION	REMARKS
1961	Section 35	Barren Mining Company	...
1961	Section 35	Barren Mining Company	...
1961	Section 35	Barren Mining Company	...
1961	Section 35	Barren Mining Company	...

Section	County	State	Latitude	Longitude	Scale	Date
35	WY	WY	41° 15' N	105° 45' W	1:25,000	1961

SURVEY NO. 4584

Feet

This survey was made with a K. & E. transit, No. 51591, with horizontal limb 5.5 ins. diam., having two double opposite verniers, and full vertical circle 4.5 ins. diam., having one double vernier; the verniers read to one minute of arc; the instrument is equipped with a colored-eye-shade to be attached for making direct observation on 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 horizontal-angles-right referred to the meridian established by direct observation on the sun. At 8:20 A. M. on Oct. 8, 1961, at cor. No. 1 of the Ute lode, latitude $32^{\circ}00'27''$ North, longitude $111^{\circ}05'40''$ W., turning from a reference pt. about 600 ft. south, clockwise to the sun in an east direction.

True bearing of reference pt.
S. $0^{\circ}38'30''$ E.

The lines were measured with a Lufkin steel tape, 300 ft. in length graduated every ft. for 299 ft. and the remaining foot graduated to tenths and hundredths. The tape was compared to a standard at the beginning of the survey and found to be 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 $13^{\circ}15'$ East.

SURVEY NO. 4584

UTE LODE

Beginning at cor. No. 1 of the Ute lode, identical with cor. No. 2 of the Piute lode of this survey, cor. No. 4 of the Lime No. 1 lode and cor. No. 3 of the Lime No. 4 lode, both of Sur. No. 4548, unapproved.

Fd. an iron post, 12 ins. above ground, firmly set and properly mkd. to which I add marks MS 4584 U1 PI 2; from which

The cor. of secs. 26, 27, 34 & 35, T.16S., R.12E., G.&S.R.B.&M., bears N. $72^{\circ}26'04''$ W., 1,992.54 ft. dist.; an iron post, 3 ins. diam., 12 ins. above ground, firmly set, properly mkd. and witnessed as described in the official record.

A wooden post, 4x4 ins., 4 ft. long, set adjacent to the iron post.

Thence N. $0^{\circ}38'30''$ W.

300.0 Lode line; discovery pt. bears S. $89^{\circ}55'00''$ E., 1397.80 ft. dist.

575.0 Semi-improved dirt road bears east and west.

595.0 Power line bears east and west.

600.0 Cor. No. 2 identical with cor. No. 3, Sur. No. 4548, unapproved, Lime No. 1 lode; on the line bet. secs. 26 & 35, T. 16 S., R.12E., G.&S.R.B.&M.

Fd. an iron post, with brass cap, 12 ins. above ground firmly set and properly mkd. to which I add mks. MS 4584 U 2; from which

CHAINS Feet	
	A wooden post, 4x4 ins., 4 ft. above ground sets adjacent to the iron post.
1260.0	Thence N. 89°55'E. Power line bears N. 20° and S. 20° W.
1285.0	Paved road bears N. 25° E. and S. 25° W.
1497.80	Cor. No. 3 identical with cor. No. 4, Sur. No. 4496, Navaho lode. Fd. and iron post, 3/4 in. diam., 12 ins. above ground, firmly set and properly marked to which I add marks MS 4584 U 3; from which
	A wooden post, 4x4 ins., 4 ft. long sets adjacent to the iron post.
	Thence S. 0°38'30" E.
0.83	Intersect the line bet. secs. 26 & 35 at a pt. from which the 1/4 cor. secs. 26 & 35, T.16S., R.12E., G.&S.R.B.&M., bears S. 89°51'W., 751.21 ft. dist.; an iron post 1 in. diam., 12 ins. above ground, firmly set and properly marked as described in the official record.
5.0	Power line, bears east and west.
40.0	Improved dirt road, bears east and west.
300.015	Lode line; discovery pt. bears S. 89°55'W., 100 ft. dist.
600.03	Cor. No. 4 identical with cor. No. 3 of the Piute lode of this survey and cor. No. 3 of the Navaho lode and cor. No. 4 of the Apache lode both of Sur. No. 4496. Fd. an iron post 3/4 in. diam., 12 ins. above ground firmly set and properly marked to which I add marks MS 4584 U 4 PI 3; from which
	A wooden post, 4x4 ins., 4 ft. long sets adjacent to the iron post.
	Thence S. 89°55' W.
472.0	Power line bears N. 20° E. and S. 20° W.
500.0	Power line bears N. 30° E. and S. 30° W.
635	Paved road bears N. 20° E. and S. 20° W.
1497.80	Cor. No. 1 and place of beginning.
PIUTE LODE	
	Beginning at cor. No. 1 of the Piute lode, identical with cor. No. 4, Sur. No. 4548, unapproved, Lime No. 4 lode,
	Fd. an iron post, 12 ins. high, firmly set and properly mkd. to which I add mks. MS 4584 PI 1; -from which
	The cor. of secs. 26, 27, 34 & 35, T.16S., R.12E., G.&S.R.B.&M., bears N. 57°46' .54" W., 2,253.28 ft. dist.; previously described.

Survey No. 4544

Chain Feet	Cor. No. 2, Sur. No. 4548, unapproved, Algonquin lode, identical with cor. No. 3, Acoma lode of the same survey, bears S. 89° 42' 30" W., 227.70 ft. dist.
	A wooden post, 4 X 4 ins., 4 ft. long sets adjacent to the iron post. Thence N. 0° 38' 30" W.
0.80	Intersect line 2-3 of the Hopi lode of this survey.
300.00	Lode line; discovery pt. bears N. 89° 55' E., 997.80 ft dist.
600.00	Cor. No. 2 identical with cor. No. 1 of the Ute lode of this survey, cor. No. 3 of the Lime No. 4 lode and cor. No. 4 of the Lime No. 1 lode, both of Sur. No. 4548, unapproved; previously described. Thence N. 89° 55' E.
862.80	Paved road, bears N. 20° E. and S. 20° W.
997.80	Power line, bears N. 30° E. and S. 30° W.
1025.80	Power line, bears N. 20° E. and S. 20° W.
1497.80	Cor. No. 3 identical with cor. No. 4 of the Ute lode of this survey and cor. No. 3 of the Navaho lode and cor. No. 4 of the Apache lode, both of Sur. No. 4496, previously described. Thence S. 0° 38' 30" E.
300.015	Lode line; discovery pt. bears S. 89° 55' W., 500 ft. dist.
350.	Power line, bears East and West.
600.03	Cor. No. 4 identical with cor. No. 3, Sur. No. 4496 Apache lode, on line 2-3 of the Comanche lode of this survey. Find an iron post, 3/4 ins. diam., 12 ins. above ground, firmly set, properly marked and to which I add marks MS 4548 PI-4; from which A wooden post, 4 X 4 ins., 4 ft. long sets adjacent to the iron post. Thence S. 89° 55' W.
683.41	Cor. No. 2 of the Comanche lode, identical with cor. No. 3 of the Hopi lode, both of this survey.
830.	Power line, bears N. 30° E. and S. 30° W.
1125.42	Intersect line 3-4, Sur. No. 4548, unapproved, Algonquin lode at a pt. from which cor. No. 3 bears N. 0° 59' 40" E., 0.43 ft. dist.
1210.	Paved road, bears N. 50° E. and S. 50° W.
1423.50	Intersect line 2-3, Sur. No. 4548, unapproved, Algonquin lode at a pt. from which cor. No. 3 bears N. 89° 45' 30" E., 298.0 ft. dist.
1497.80	Cor. No. 1 and the place of beginning.

Chain Feet	HOPI LODE
	At cor. No. 1 of the Hopi lode.
	Set a galvanized iron post, 3/4 ins. diam., 30 ins. long, in a 15 pound concrete and rock base, 18 ins. in the ground with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4584 H 1 X; from which
	<ul style="list-style-type: none"> • The cor. of secs. 26, 27, 34 and 35, T. 16 S., R. 12 E., G. & S. R. B. & M., bears N. 34° 14' 35" W., 2178.25 ft. dist., previously described.
	Cor. No. 3, Sur. No. 4548, unapproved, Acoma lode, identical with cor. No. 2 of the Algonquin lode of the same survey, bears N. 37° 07' 10" E., 750.27 ft. dist.
	A wooden post, 4 X 4 ins., 4 ft. long set adjacent to the iron post.
	Thence N. 0° 57' 30" E.
6.22	Cor. No. 4, Sur. No. 4548, unapproved, Yavapai lode.
300.00	Lode line; discovery pt. bears N. 89° 58' 20" E., 1435.09 ft. dist.
596.47	Intersect line 2-3, Sur. No. 4548, unapproved, Acoma lode at a pt. from which Cor. no. 3, identical with cor. No. 2 of the Algonquin lode of the same survey bears N. 89° 45' 30" E., 442.83 ft. dist.
600.00	Cor. No. 2 identical with cor. No. 3, Sur. No. 4548, unapproved, Yavapia lode; on line 4-1, Lime No. 4 lode of the same survey.
	Find an iron post, 12 ins. above ground, firmly set and properly marked to which I add mks. MS 4584 H 2; from which
	Cor. No. 4, Sur. No. 4548, unapproved, Lime No. 4 lode, identical with cor. No. 1 of the Piute lode of this survey bears S. 89° 57' 30" E., 670.70 ft. dist.
	A wooden post, 4 X 4 ins., 4 ft. long, sets adjacent to the iron post.
	Thence N. 89° 58' 20" E.
670.69	Intersect line 3-4, Sur. No. 4548, unapproved, Lime No. 4 lode common with line 1-2 of the Piute lode of this survey at a pt. from which cor. No. 4 of the Lime No. 4 lode identical with Cor. No. 1 of the Piute lode, bears S. 0° 38' 30" E., 0.80 ft. dist.
938.45	Intersect line 2-3, Sur. No. 4548, unapproved, Algonquin lode at a pt. from which Cor. No. 2 identical with Cor. No. 3, Acoma lode of the same survey, bears S. 89° 45' 30" W., 598.0 ft. dist.
961.	Paved road, bears N. 50° E. and S. 50° W.
1042.99	Intersect line 3-4, Sur. No. 4548, unapproved, Algonquin lode at a pt. from which Cor. No. 3 bears N. 0° 59' 40" E., 0.39 ft. dist.
1338.50	Power line, bears N. 30° E. and S. 30° W.

XChains Feet	
1485.09	Cor. No. 3 identical with cor. No. 2 of the Comanche lode and on line 4-1 of the Piute lode both of this survey.
	Set a galvanized iron post, 3/4 in. diam., 30 ins. long, in a 15 pound concrete and rock base, 18 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4584 H 3 C 2 X; from which A wooden post, 4x4 ins., 4 ft. long, set adjacent to the iron post. Thence S. 0°57'30" W.
300.0	Lode line; discovery pt. bears S. 89°58'20" W. 50.0 ft. dist.
319.15	Intersect line 4-1, Sur. No. 4496, unapproved, Sharon lode, at a pt. from which cor. No. 14 bears S. 78°25'30" W., 75.37 ft. dist.
424.31	Intersect line 3-4, Sur. No. 4496, unapproved, Sharon lode, at a pt. from which cor. No. 4 bears N. 38°41' W., 115.32 ft. dist.
597.01	Intersect line 2-3, Sur. No. 4548, unapproved, Yaqui lode at a pt. from which cor. No. 2 bears S. 89°40' W., 462.87 ft. dist.
600.0	Cor. No. 4 identical with cor. No. 1 of the Comanche lode of this survey. Set a galvanized iron post, 3/4 in. diam., 30 ins. long, in a 15 pound concrete and rock base, 18 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4584 H 4 C 1 X; from which The cor. of secs. 26, 27, 34 & 35 T.16S., R.12E., G.&S.R.B.&M., bears N. 56°24' 50" W., 3253.93 ft. dist.; previously described. Cor. No. 4 Sur. No. 4496, unapproved, Sharon lode bears N. 14°35'10" W., 274.52 ft. dist. Cor. No. 1 Sur. No. 4496, unapproved, Sharon lode identical with cor. No. 4 Sur. No. 4496, unapproved, Mary Ann lode bears N. 55°51'25" E., 714.32 ft. dist. Cor. No. 3, Sur. No. 4548, unapproved, Yaqui lode, bears N. 89°23'40" E., 628.77 ft. dist. A wooden post, 4x4 ins., 4 ft. long, set adjacent to the iron post. Thence S. 89°58'20" W.
442.66	Intersect line 3-4, Sur. No. 4548, unapproved, Algonquin lode at a pt. from which cor. No. 3 bears N. 0°59'40" E., 600.39 ft. dist.

Chains Feet 454.0	Power line bears N. 30° E. and S. 30° W.
462.74	Intersect line 1-2, Sur. No. 4548, unapproved, Yaqui lode at a pt. from which cor. No. 2 bears N. 0° 06' E., .0.52 ft. dist.
1042.38	Paved road bears N. 20° E. and S. 20° W.
1042.38	Intersect line 1-2 Algonquin lode common with line 3-4 Acoma lode both of Sur. No. 4548, unapproved at a pt. from which cor. No. 2 of the Algonquin lode identical with cor. No. 3 of the Acoma lode bears N. 0° 57' 30" E., 598.13 ft. dist.
1485.09	Cor. No. 1 and the place of beginning.
COMANCHE LODE	
	Beginning at cor. No. 1 of the Comanche lode identical with cor. No. 4 of the Hopi lode of this survey; previously described.
	Thence N. 0° 57' 30" E.
2.99	Intersect line 2-3, Sur. No. 4548, unapproved, Yaqui lode at a pt. from which cor. No. 3 bears N. 89° 40' E., .628.62 ft. dist.
175.69	Intersect line 3-4, Sur. No. 4496, Sharon lode, at a pt. from which cor. No. 4 bears N. 38° 41' W., 115.32 ft. dist.
280.85	Intersect line 4-1, Sur. No. 4496, Sharon lode, at a pt. from which cor. No. 1 bears N. 78° 25' 30" E., 598.67 ft. dist.
300.0	Lode line; discovery pt. bears N. 89° 55' E., 50.0 ft. dist.
600.0	Cor. No. 2 identical with cor. No. 3 of the Hopi lode and on line 4-1 of the Piute lode, both of this survey; previously described.
	Thence N. 89° 55' E.
683.41	Cor. No. 4 Piute lode of this survey identical with cor. No. 3, Sur. No. 4496, Apache lode.
1189.08	Intersect line 3-4, Sur. No. 4496, Highland Girl lode at a pt. from which cor. No. 4 bears N. 38° 41' W., 255.69 ft. dist.
1250.61	Cor. No. 3 Set a galvanized iron post, 3/4 ins. diam., 30 ins. long, in a 15 pound concrete and rock base, 18 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4584 C 3 X; from which Cor. No. 4, Sur. No. 4496, Highland Girl lode bears N. 47° 58' 10" W., 297.98 ft. dist.

<p>0.16</p> <p>75.38</p> <p>300.0</p> <p>600.0</p> <p>339.47</p> <p>621.88</p> <p>1107.19</p> <p>1250.61</p>	<p>Cor. No. 1, Sur. No. 4496, Mary Ann lode, bears S. 70°59'10" W., 65.65 ft. dist.</p> <p>A wooden post, 4x4 ins., 4 ft. long, set adjacent to the iron post.</p> <p>Thence S. 0°57'30" W.</p> <p>Intersect line 2-3, Sur. No. 4496, Apache lode, at a pt. from which Cor. No. 3 bears S. 89°56' W., 567.20 ft. dist.</p> <p>Intersect line 3-4, Sur. No. 4496, Highland Girl lode common with line 1-2, Sur. No. 4496, Mary Ann lode, at a pt. from which Cor. No. 1 of the Mary Ann lode bears N. 38°41' W., 12.44 ft. dist. and cor. No. 4 of the Highland Girl lode bears N. 38°41' W., 352.12 ft. dist.</p> <p>Lode line; discovery pt. bears S. 89°55' W., 1200.61 ft. dist.</p> <p>Cor. No. 4</p> <p>Set a galvanized iron post, 3/4 in. diam., 30 ins. long, in a 15 pound concrete and rock base, 18 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the post, mkd. MS. #584 C 4 X;</p> <p>A wooden post, 4x4 ins., 4 ft. long, set adjacent to the iron post.</p> <p>Thence S. 89°55' W.</p> <p>Intersect line 3-4, Sur. No. 4496, Mary Ann lode common with line 1-2, Sur. No. 4496, Sharon lode, at a pt. from which Cor. No. 4 of the Mary Ann lode identical with Cor. No. 1 of the Sharon lode bears N. 38°41' W., 511.92 ft. dist.</p> <p>Intersect line 3-4, Sur. No. 4548, unapproved, Yaqui lode at a pt. from which Cor. No. 3, Yaqui lode, bears N. 0°06' E., 5.73 ft. dist.</p> <p>Intersect line 3-4, Sur. No. 4496, Sharon lode, at a pt. from which Cor. No. 4 bears N. 38°41' W., 340.09 ft. dist.</p> <p>Cor. No. 1 and the place of beginning.</p>
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SURVEY NO. 4584

AREAS

	Acres
Total area Ute lode	20.631
Area in conflict with SW ¹ / ₄ & SE ¹ / ₄ , Sec. 26, T. 16S., R. 12E.	0.036
Total area Hopi lode	20.453
Area in conflict with Sur. No. 4496, Sharon lode	0.089
Piute lode of this survey	0.007
Sur. No. 4548, unapproved, Lime No. 4 lode	0.006
Sur. No. 4548, unapproved, Algonquin lode	8.251
Sur. No. 4548, unapproved, Algonquin lode exclusive of its conflict with Piute lode of this survey	8.248
Sur. No. 4548, unapproved, Acema lode	6.070
Sur. No. 4548, unapproved, Yaqui lode	0.019
Sur. No. 4548, unapproved, Yaqui lode exclusive of its conflict with Algonquin lode of the same survey	0.019
Total area Piute lode	20.631
Area in conflict with Sur. No. 4548, unapproved, Algonquin lode	0.003
Total area Comanche lode	17.223
Area in conflict with	

Feet

Sur. No. 4496, Sharon lode	5.779
Sur. No. 4496, Mary Ann lode	5.656
Sur. No. 4496, Highland Girl lode	0.053
Sur. No. 4496, Apache lode	0.001
Sur. No. 4496, Apache lode, exclusive of its conflict with Sur. No. 4496 Highland Girl lode	0.001
Sur. No. 4548, unapproved, Yaqui lode	0.063
Sur. No. 4548, unapproved, Yaqui lode exclusive of its conflict with Sur. No. 4496, Sharon lode	0.011

LOCATION

This survey is located in the NW¹, NE¹, Sec. 35 and SW¹, SE¹, Sec. 26 both of T. 16S., R. 12E., G.&S.R.B.&M.

EXPENDITURES

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 Ute lode is on the lode line 1397.80 ft. from a pt. on line 1-2, 300.0 ft. from Cor. No. 1; an open cut 14 ft. wide, 5 1/2 ft. deep and running North-South 54 ft. Value, \$250.00
- No. 1 The discovery cut of the Piute lode is on the lode line, 997.80 ft. from a pt. on line 1-2, 300.0 ft. from Cor. No. 1; an open cut 10 ft. wide, 4 ft. deep running east and west, at the west end a cut which is 10 ft. wide, 4 ft. deep runs N. 35° E., 35 ft. and S. 35° W., 15 ft. Value, \$250.00
- No. 1 The discovery cut of the Hopi lode is on the lode line 50 ft. from a pt. on line 3-4, 300.0 ft. from cor. No. 3; a "V" shaped cut, one leg 50 ft. in length and the other 30 ft. long, both 10 ft. wide and 5 ft. deep. Value, \$290.00
- No. 1 The discovery cut of the Comanche lode is on the lode line 50.0 ft. from a pt. on line 1-2, 300.0 ft. from cor. No. 1; an open cut 10 ft. wide, 5 ft. deep running N. 80° E., 40 ft., at the east end of which a cut 12 ft. wide, 4 ft. deep runs N. 20° E., 25 ft. and S. 20° W., 25 ft. Value, \$325.00

An interest in a common improvement described as follows:

A drilling program to develop an ore-body on these claims. Drilling completed at the time of the survey is as follows:

1. Churn drill hole #24 bears N: 20°43'E., 297 ft. dist. from cor. No. 1 of the Comanche lode. Depth, 260 ft.
2. Churn drill hole #5 bears N. 77°59'E., 1427 ft. dist. from cor. No. 1 of the Ute lode. Depth, 270 ft.

SURVEY NO. 4584

9

~~CHURN~~

Feet

3. Churn drill hole #6 bears N. $73^{\circ}35'E.$, 1032 ft. dist. from cor. No. 1 of the Piute lode. Depth, 260 ft.

4. Churn drill hole #25 bears N. $79^{\circ}33'E.$, 1444 ft. dist. from cor. No. 1 of the Hopi lode. Depth, 393 ft.

Value of combined drilling program:

\$7,098.00

Value of one-fourth interest:

\$1,774.00

This improvement is being continued with additional holes being drilled.

Five hundred dollars or over has been expended in these improvements in such a manner as tends to the development of each lode of the survey subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore, one-fourth interest in its value is hereby credited to the Ute, Piute, Hopi and Comanche lodes.

No portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode claim.

OTHER IMPROVEMENTS.

NONE

OTHER CORNER DESCRIPTIONS
AND SUPPLEMENTAL DATA

Sur. No. 4496, Sharon lode, cor. Nos. 1 & 2 identical with cor. Nos. 4 & 3 respectively of the Mary Ann lode of the same survey and cor. Nos. 3 & 4 are iron posts firmly set, with brass caps properly mkd. Lines 2-3 and 4-1 were found to be S. $78^{\circ}25'30''W.$, and N. $78^{\circ}25'30''E.$, respectively, 674.04 ft. Lines 1-2 and 3-4 were found to be S. $38^{\circ}41'E.$, and N. $38^{\circ}41'W.$, respectively, 1500.0 ft.

Sur. No. 4496, Mary Ann lode, cor. Nos. 1 & 2 are iron posts firmly set, with brass caps properly marked. Lines 4-1 and 2-3 were fd. to be N. $78^{\circ}25'30''E.$ and S. $78^{\circ}25'30''W.$, respectively, 674.04 ft. Line 1-2 common with line 3-4 of the Highland Girl lode of the same survey, was found to be S. $38^{\circ}41'E.$, 1500.0 ft.

Sur. No. 4496, Highland Girl lode, cor. Nos. 4 & 3, the latter identical with cor. No. 1 of the North Star lode of the same survey, are iron posts firmly set, with brass caps properly mkd. Line 3-4, common with line 1-2, of the Mary Ann lode of the same survey, was fd. to be N. $38^{\circ}41'W.$, 1500.0 ft.

Sur. No. 4496, Apache lode, cor. No. 2 is an iron post, firmly set, with a brass cap, properly mkd. Line 2-3 was found to be S. $89^{\circ}56'W.$, 1500.0 ft. Cors. Nos. 3 & 4, previously described. Line 3-4 was found to be N. $0^{\circ}38'30''W.$, 600.03 ft.

~~Chain~~

Sur. No. 4496, Navaho lode; cors. Nos. 3 & 4 previously described. Line 3-4 was found to be N. 0°38'30" W., 600.03 ft.

The $\frac{1}{2}$ cor. of secs. 26 & 35 is an iron post, 1 in. diam., firmly set, properly marked and witnessed as described in the official record:

Sur. No. 4548, unapproved, Lime No. 1 lode; cors. Nos. 3 & 4 previously described; Line 3-4 was fd. to be S. 0°38'30" E., 600 ft.

Sur. No. 4548, unapproved, Lime No. 4 lode; cors. Nos. 3 & 4 previously described. Cor. No. 1 identical with cor. No. 3, Key lode of the same survey, is an iron post, 12 ins. above ground, firmly set and properly mkd. Line 3-4 was fd. to be S. 0°38'30" E., 600 ft. Line 4-1 was fd. to be N. 89°57'30" W., 890.85 ft.

Sur. No. 4548, unapproved, Yavapai lode; Cor. No. 3 previously described. Cor. No. 4 is an iron post, 12 ins. above ground, firmly set and properly mkd. Line 3-4 was fd. to be S. 0°57'30" W., 593.78 ft.

Sur. No. 4548, unapproved, Acoma lode; cors. Nos. 2, 3 & 4 are iron posts, 12 ins. above ground, firmly set and properly mkd. Line 2-3 was fd. to be N. 89°45'30" E., 600 ft. Line 3-4 was fd. to be S. 0°57'30" W., 1490.25 ft.

Sur. No. 4548, unapproved, Algonquin lode; Cors. Nos. 1, 2, 3 & 4 are iron posts, 12 ins. above ground, firmly set and properly mkd. Line 1-2 was fd. to be N. 0°57'30" E., 1490.25 ft. Line 2-3 was fd. to be N. 89°45'30" E., 500.0 ft. Line 3-4 was fd. to be S. 0°59'40" W., 1490.28 ft.

Sur. No. 4548, unapproved, Yaqui lode; cors. Nos. 1, 2 W.C., 3 & 4 are iron posts, 12 ins. above ground, firmly set and properly mkd. Line 1-2 was fd. to be N. 0°06'E., 600.0 ft. Line 2-3 was fd. to be N. 89°40'E., 1091.49 ft. Line 3-4 was fd. to be S. 0°06'W., 600.0 ft.

FIELD ASSISTANTS

Name	Capacity
Richard Cleveland	Chainman-Axeman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

November 15., 19 61

I, Harvey W. Smith
 Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the _____
Cadastral Engineer, at Phoenix, Arizona
 dated Oct. 4, 1961, I have faithfully and correctly executed the survey of
 the mining claim of Banner Mining Company
 known as the Piute, Ute, Comanche & Hopi lodes
(Lode, placer, or mill site)
 situate in Pima Mining District, Pima County, Sec. 35
T. 16S., R. 12E., G. & S. R. B. & Meridian, Arizona, and
(State)
 designated as Survey No. 4584, which is represented in the foregoing field notes as having been
 executed by me and under my direction, and that said survey has been made in strict conformity with said order,
 the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner
 described in the foregoing field notes, and I do further certify that the labor expended and improvements made
 upon or for the benefit of the lode location(s) embraced in the said mining claim by
(Lode or placer)
 claimant(s) or its grantors are fully stated in my report therein, and that the character,
 extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no
 portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate
 of expenditures upon any other claim.

Scottsdale, Arizona
(Place)

Harvey W. Smith
(Mineral Surveyor)
 Harvey W. Smith

CERTIFICATE OF APPROVAL

Bureau of Land Management,
Phoenix, Arizona, Survey Office
(Office)
Phoenix, Arizona April 24, 19 62
(Place) (Date)

The foregoing field notes of mineral survey No. 4584, in Pima Mining District
Secs. 26 & 35, T. 16 S., R. 12 E., G. & S. R. Meridian,
Arizona, executed by Harvey W. Smith, Mineral Surveyor,
(State)
 under order dated October 4, 1961, having been critically examined and the necessary
 corrections made prior to their certification by the surveyor, the field notes and the survey therein described
 are hereby approved.

Fred J. Weiler
 Fred J. Weiler
 State Director
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. _____
is a true copy of the original field notes.

(Title)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

November 12, 1961

Harvey W. Smith

Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the
Cadastral Engineer

Oct. 4, 1961

the mining claim of Banner Mining Company

known as the Pima, Ute, Sonoran & Mohi lands

Pima Mining District, Pima County, Arizona

7 100 P. 12. 0. 2. 2. 2. 4. Mexican, Arizona

located at Survey No. 1528A which is registered in the land office held notes as having been
executed by me and approved by the Bureau of Land Management and that said survey was made in strict conformity with said order,
the Manual of Instructions for the Survey of the Public Lands of the United States, and to the specific manner
described in the foregoing field notes and I do further certify that the notes appended and hereunto made
give a full and complete description of the lands herein described in the said mining claim as

claimed by or for the said Banner Mining Company and that the character
extent, location and general value thereof are specified therein with accuracy and full detail, and that no
portion of or interest in said lands and improvements so certified to this claim has been included in the estimate
of expenditures upon said survey.

Cochise County, Arizona

Harvey W. Smith

CERTIFICATE OF APPROVAL

Survey of Land

The foregoing field notes of mineral survey No. 1528A, in accordance with the order of the Cadastral Engineer

Mineral Surveyor

executed by Harvey W. Smith

having been critically examined and the necessary
corrections made prior to their submission by the surveyor, the field notes and the survey lines described
are hereby approved.

[Handwritten Signature]

Surveyor

Surveyor

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above described mineral survey No. 1528A
is a true copy of the original field notes.

SURVEY NO. 4584 Amd.

1

~~CHAINS~~
Feet

UTE LODE

Cor. No. 2 is an iron post as described in the official record of MS No. 4584, identical with Cor. No. 3 Sur. No. 4548 Line No. 1 lode; on the S. Bdy. of the San Xavier Indian Reservation and common with line bet. Secs. 26 and 35, T. 16 S., R. 12 E., G. & S. R. B. & M., Arizona.

Thence N. 89° 55' E.

- 746.59 Intersect the $\frac{1}{4}$ sec. Cor. of secs. 26 & 35, T. 16 S., R. 12 E.; an iron post as described in the official record.
1260. Power line, bears N. 20° E. and S. 20° W.
1285. Paved road, bears N. 25° E. and S. 25° W.
- 1497.80 Cor. No. 3, identical with Cor. No. 4, Sur. No. 4496 Navajo lode. This Cor. is on the San Xavier Indian Reservation and was removed as described in Amd. Sur. 4496.
- Thence S. 0° 38' 30" E.
- 00.83 Intersect the S. Bdy. of the San Xavier Indian Reservation common with the line bet. secs. 26 & 35, at a pt. from which the $\frac{1}{4}$ sec. Cor. of secs. 26 & 35, T. 16 S., R. 12 E., bears S. 89° 51' W., 751.21 ft. dist.
- 1.40 Point for the witness to Cor. No. 3, identical with the witness to Cor. No. 4, Sur. 4496 Amd. Navajo lode, an iron post with a brass cap as described in amended Sur. 4496. I add marks MS 4584 U 3 WC.

The remainder of the field notes are identical with those for MS 4584, approved April 24, 1962.

Chains

U.S. 1000

Feet

Cor. No. 2 is an iron post as described in the official record of No. 4584, identical with Cor. No. 1. Cor. No. 3 is on the San Xavier Indian Reservation and corner with the line bet. Secs. 25 and 26, T. 15 S., R. 12 E., S. 2, T. 15 S., R. 12 E., Arizona.

Thomas S. 0° 35' 50" E.

Intersect the base of Cor. of sec. 25 and 26, T. 15 S., R. 12 E.; an iron post as described in the official records.

140.50

Lower line, bears N. 30° E. and S. 20° W.

1200.

Paved road, bears N. 25° E. and S. 25° W.

1205.

Cor. No. 3, identical with Cor. No. 4, but is on the San Xavier Indian Reservation and was removed as described in the official records.

1497.80

Thomas S. 0° 35' 50" E.

Intersect the S. 20° E. of the San Xavier Indian Reservation with the line bet. sec. 25 and 26, T. 15 S., R. 12 E.; an iron post as described in the official records.

00.85

Point for the witness to Cor. No. 3, identical with the witness to Cor. No. 4, but is on the San Xavier Indian Reservation and was removed as described in the official records.

1.40

The remainder of the field notes are identical with those for No. 4584, approved April 24, 1928.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

April 29, 1963

I, Harvey W. Smith

Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the _____

State Director, Bureau of Land Management Phoenix, Arizona

dated April 16, 1963, I have faithfully and correctly executed the survey of

the mining claim of Banner Mining Company

known as the Piute, Ute, Comanche and Hopi lodes

(Lode, placer, or mill site)

situate in Pima County, Secs. 26 & 35

T. 16 S., R. 12 E., G. & S. R. B. & Meridian, Arizona, and

(State)

designated as Survey No. 4584 Amended, which is represented in the foregoing field notes as having been executed by me and under my direction, and that said survey has been made in strict conformity with said order, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes, and I do further certify that the labor expended and improvements made

upon or for the benefit of the lode location(s) embraced in the said mining claim by

(Lode or placer)

claimant(s) or his/its grantors are fully stated in my report therein, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Scottsdale, Arizona

(Place)

Harvey W. Smith

(Mineral Surveyor)

Harvey W. Smith

CERTIFICATE OF APPROVAL

Bureau of Land Management, State Office

(Office)

Phoenix, Arizona May 16, 1963

(Place)

(Date)

The foregoing field notes of mineral survey No. 4584 Amd., in Pima Mining District

Secs. 26 & 35, T. 16 S., R. 12 E., G. & S. R. Meridian,

Arizona, executed by Harvey W. Smith, Mineral Surveyor,

(State)

under order dated April 16, 1963, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

Fred J. Weiler

Fred J. Weiler

State Director

(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. _____ is a true copy of the original field notes.

(Title)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

April 20, 1933

I, Surveyor W. Smith
Mineral Surveyor hereby certify upon honor that in pursuance of an order received from the
State Director, Bureau of Land Management, Phoenix, Arizona
dated April 10, 1933, I have faithfully and correctly executed the survey of

the mining claim of
Banner Mining Company
known as the King, Lee, Thompson and Paul Lodes
situated in King County, Section 25 & 26
T. 12 N., R. 12 E., S. 2 & 3, Arizona

designated as Survey No. 4522, attached, which is represented by the foregoing field notes as having been
executed by me and under my direction, and that said survey has been made in accordance with said order,
the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner
described in the foregoing field notes, and I do further certify that the best available and improvements made
upon or for the benefit of the King, Lee, Thompson and Paul Lodes
locations are fully stated in my report attached and that the character,
extent, location and bounded value thereof are specified therein with particularity and full detail, and that no
portion of or interest in said land and improvements so credited to this claim has been included in the estimate
of expenditures upon any other claim.

Witness my hand and seal at Phoenix, Arizona
this 20th day of April, 1933.
W. Smith
Surveyor

CERTIFICATE OF APPROVAL

I, State Director, Bureau of Land Management,
Phoenix, Arizona, do hereby approve the survey of
the foregoing field notes of mineral survey No. 4522, in
King County, Arizona, as shown on the attached map,
dated April 10, 1933, executed by
W. Smith, Mineral Surveyor,
having been critically examined and the necessary
corrections made prior to their submission by the surveyor, the field notes and the survey location described
are hereby approved.

State Director
Bureau of Land Management
Phoenix, Arizona

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above described mineral survey No. 4522
is a true copy of the original field notes.

Surveyor