

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4426

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

R. E. Schnure and J. J. Buttermore

Known As The

Mormon Girl Extension and Mormon Girl Extension No. 2

Cave Creek Mining District,

Maricopa County, Arizona

Sections 3, 4, 9 and 10, Township 5 North, Range 4 East

Surveyed under order dated February 4, 1957
October 30, 1958

by Robert Lenon
Mineral Surveyor.

Claim located April 4, 1954

Survey commenced February 10, 1957

Survey completed April 15, 1957

Address of claimant 376 North 21st Avenue, Phoenix, Arizona

DATES OF AMENDED LOCATIONS

[The page contains extremely faint, illegible text, likely bleed-through from the reverse side of the document. The text is too light to transcribe accurately.]

Mineral Survey No. 4426

Chains

This survey was made with a Berger Precise Transit No. 6072, with horizontal limb, $5\frac{1}{2}$ ins. diam., having two double opposite verniers, and full vertical circle, 5 ins. diam., having one double vernier; the verniers read to one minute of arc. 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 double horizontal angles referred to the meridian determined by the following observations:

February 10, 1957, at cor. No. 1, Survey No. 4426, Mormon Girl Extension lode, in latitude $33^{\circ}48'N.$, and longitude $111^{\circ}56'W.$, I make a series of four altitude observations upon the sun for azimuth at approximately equal time intervals, two each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles from cor. No. 2, 1500 ft. SE. to the sun.

Mean time of observation 105th

meridian standard time: 3h 40m 17s 3h 43m 05s p.m.

Declination of sun at mean

time of observation: $14^{\circ}11\frac{1}{2}'S.$

Mean observed vertical angles

to sun's center: $25^{\circ}52\frac{1}{2}'$ $25^{\circ}23\frac{1}{2}'$

Mean horizontal angles from refer-

ence point to sun's center: $69^{\circ}05\frac{1}{2}'$ $69^{\circ}43'$

True bearing to reference point: S. $19^{\circ}50'$ E.

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot, with the end feet graduated to tenths, and a Lufkin steel tape, 100 ft. in length, graduated to feet, tenths and hundredths; both tapes were compared with a Lufkin standard at the time of beginning the survey and found correct.

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

The magnetic declination observed at each corner of the survey gave a uniform value of $14^{\circ}15' E.$

Feet

MORMON GIRL EXTENSION LODE

Beginning at cor. No. 1, Mormon Girl Extension lode.

Found an iron pipe, 1 in. diam., with brass cap attached, mkd. MGX-1, to which I added 4426, firmly set; from which

The $\frac{1}{4}$ sec. cor. common to secs. 3 and 4, T. 5 N., R. 4 E., G. & S., R. B. & M., bears S. $76^{\circ}24' W.$, 150.23 ft. dist.

Cor. No. 3, Sur. No. 2678, Mormon Girl lode, bears S. $69^{\circ}33\frac{1}{2}' W.$, 20.00 ft. dist., a post 4x4 ins. in size, set in a stone mound, with faint markings.

Thence S. $19^{\circ}50' E.$

1500.00 Cor. No. 2.

Found an iron pipe, 1 in. diam., stone mound alongside, firmly set with brass cap attached, mkd. MGX-2, to which I added 4426.

Thence S. $69^{\circ}33\frac{1}{2}' W.$

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Feet Chains	
300.00	Lode line, discovery point bears N. 19° 50' W., 1080 ft. dist.
600.00	Cor. No. 3, falling on line 3-4, Mormon Girl Extension No. 2 lode, this survey. Found an iron pipe, 1 in. diam., firmly set, stone mound alongside, with brass cap attached, mkd. MGX-3, to which I added 4426. Thence N. 19° 50' W.
45.00	Center of gulch, 20 ft. wide, course S. 15° W.
165.00	Center of road, 10 ft. wide, bears N. and S.
212.00	Fence, bears N. and S.
281.15	Intersect the line bet. secs. 3 and 4, at a point from which the $\frac{1}{4}$ sec. cor., common to secs. 3 and 4, bears N. 0° 07' E., 1320.78 ft. dist., previously described.
	Enter P. S. Arizona Entry No. 08395.
496.40	Cor. No. 3, Mormon Girl Extension No. 2 lode, this survey. Found an iron pipe, 1 in. diam., firmly set in a stone mound, with brass cap attached, mkd. MGX No. 2-3, to which I added 4426, an old post, 4x4 ins in size, with faint markings alongside.
1500.00	Cor. No. 4, identical with cor. No. 4, Survey No. 2678, Mormon Girl lode. Found an iron pipe, 1 in. diam., firmly set in a stone mound, with brass cap attached, mkd. MG-4-2678-MGX-4, to which I added 4426; from which
	Cor. No. 4, Sur. No. 2678, Mormon Mine No. 2 lode, a post, 4x4 ins. in size, set in a stone mound, with faint markings, bears S. 14° 45½' E., 293.39 ft. dist. Thence N. 69° 33½' E.
287.70	Old post, 4x4 ins. in size, set in a stone mound.
300.00	Lode line, discovery point bears S. 19° 50' E., 420 ft. dist.
390.00	Gulch, 20 ft. wide, course S. 15° E.
438.00	Fence, bears N. and S.
444.13	Intersect the line bet. secs. 3 and 4, at a point from which the $\frac{1}{4}$ sec. cor., common to secs. 3 and 4, bears N. 0° 07' E., 19.11 ft. dist., previously described.
	Leave P. S. Arizona Entry No. 08395.
580.00	Cor. No. 3, Sur. No. 2678, Mormon Girl lode, previously described.
600.00	Cor. No. 1 and place of beginning.
MORMON GIRL EXTENSION NO. 2 LODE	
Beginning at cor. No. 1, Mormon Girl Extension No. 2 lode, falling in P. S. Arizona Entry No. 06166.	

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Chains	
	<p>Found an iron pipe, 1 in. diam., firmly set, stone mound alongside, with brass cap attached, mkd. MGX No. 2-1, to which I added 4426; from which</p> <p>The cor. common to secs. 3, 4, 9 and 10, T. 5 N., R. 4 E., G. & S. R. B. & M., bears N. 54° 06½' E., 154.48 ft.</p> <p>A double trunked ironwood tree, 8 ins. diam., bears N. 84° 25' E., 26.5 ft. dist., mkd. X-BT-1-4426.</p> <p>Thence N. 19° 53' W.</p>
35.00	Gulch, 10 ft. wide, course S. 70° W.
95.62	<p>Intersect the line bet. secs. 4 and 9 at a point from which the cor. common to secs. 3, 4, 9 and 10 bears N. 89° 46' E., 157.67 ft. dist.</p> <p>Leave P. S. Arizona Entry No. 06166.</p> <p>Enter P. S. Arizona Entry No. 08395.</p> <p>County road, 20 ft. wide, bears S. 89° 46' W. and N. 89° 46' E.</p>
1500.00	Cor. No. 2.
	<p>Found an iron pipe, 1 in. diam., firmly set in a stone mound, with brass cap attached, mkd. MGX No. 2-2, to which I added 4426; from which</p> <p>A quartzite outcrop, 12x24 ins., 12 ins. high, bears N. 77° 00' E., 8.4 ft. dist., mkd. X-BR-2-4426.</p> <p>Thence N. 70° 19' E.</p>
300.00	Lode line, discovery point bears S. 19° 50' E., 140 ft. dist.
600.00	<p>Cor. No. 3, falling on line 3-4, Mormon Girl Extension lode, this survey, previously described.</p> <p>Thence S. 19° 50' E.</p>
215.25	<p>Intersect the line bet. secs. 3 and 4, previously described.</p> <p>Leave P. S. Arizona Entry No. 08395.</p>
284.40	Fence, bears N. and S.
331.40	Center of road, 10 ft. wide, bears N. and S.
451.40	Center of gulch, 20 ft. wide, course S. 15° W.
496.40	Cor. No. 3, Mormon Girl Extension lode, this survey, previously described.
1045.00	Center of gulch, 10 ft. wide, course S. 30° W.
1500.00	Cor. No. 4.
	<p>Found an iron pipe, 1 in. diam., firmly set, stone mound alongside, with brass cap attached, mkd. MGX No. 2-4, to which I added 4426.</p> <p>Thence S. 70° 19' W.</p>

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Feet Chains	
300.00	Lode line, discovery point bears N. 19° 50' W., 1360 ft. dist.
328.15	Intersect the line bet. secs. 3 and 10 at a point from which the cor. common to secs. 3, 4, 9 and 10 bears S. 89° 45' W., 129.58 ft. dist., previously described. Enter H. E. Phoenix Entry No. 066181. Center of county road, 20 ft. wide, bears S. 89° 45' W., and N. 89° 45' E.
430.00	Fence, bears N. and S.
455.00	Gulch, 20 ft. wide, course S. 10° W. to this point, S. 60° W. beyond this point.
465.77	Intersect the line bet. secs. 9 and 10, at a point from which the cor. common to secs. 3, 4, 9 and 10 bears N. 45.79° ft. dist. Leave H. E. Phoenix Entry No. 066181. Enter P. S. Arizona Entry No. 06166.
598.69	Cor. No. 1 and place of beginning.

AREAS

Acres

Total Area, Mormon Girl Extension lode	20.658
Area in conflict with:	
P. S. Arizona Entry No. 08395	6.213
Total Area, Mormon Girl Extension No. 2 lode	20.658
Area in conflict with:	
P. S. Arizona Entry No. 06166	0.229
P. S. Arizona Entry No. 08395	13.539
H. E. Phoenix Entry No. 066181	0.068

LOCATION

This survey is located in secs. 3, 4, 9 and 10, T. 5 N., R. 4 E., G. & S. R. B. M., Maricopa County, Arizona.

This survey is identical with the location as marked on the ground by the General Land Office Segregation Survey of 1933.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the lode locations are as follows:

No. 1	The discovery cut of Mormon Girl Extension lode, being on the lode line, 420 ft. from a point on line 4-1, 300 ft. from cor. No. 1, the face of which is the discovery point, 8 ft. wide, runs N. 85° W. 20 ft. to 10 ft. face. Value, \$350.
No. 2	A trench, 5 ft. wide, the face of which bears S. 4° W., 235 ft. from cor. No. 1, runs N. 25° E., 20 ft. to 7½ ft. face. Value, \$250.
No. 1	The discovery shaft of Mormon Girl Extension

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- | Chains | |
|--------|--|
| No. 1 | The discovery shaft of Mormon Girl Extension No. 2 lode, the center of which, being on the lode line, is the discovery point, 140 ft. from a point on line 2-3, 300 ft. from cor. No. 2, 7x7 ft. in size, 6 ft. deep.
Value, \$100. |
| No. 2 | A triangular cut, 4 ft. face, 8 ft. wide at end, runs N. 30° E., 8 ft. to 1 ft. width at face, the face of which bears S. 38° E., 120 ft. from cor. No. 2.
Value, \$50. |

OTHER IMPROVEMENTS

A well kept country road crosses the south end line of Mormon Girl Extension No. 2 lode.

A fence runs N. and S. across Mormon Girl Extension and Mormon Girl Extension No. 2 lodes, approximately on the E. line of sec. 4.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 2678, Mormon Girl lode: Cor. No. 3 is a post, 4x4 ins. in size, set in a stone mound, with faint markings; line 2-3 was found to be S. 21° 41½' E., 1352.40 ft., instead of S. 21° 49½' E., 1360.33 ft. as approved; line 3-4 was found to be approximately as approved; line 4-1 was found to run N. 21° 07' W., 488.57 ft. to cor. No. 3, Mormon Mine No. 2, same survey, then N. 21° 04½' W., 864.09 ft., instead of N. 21° 10' W., 1360.04 ft. as approved.

The ¼ sec. cor. common to secs. 3 and 4, is a GLO pipe, 1 in. diam., firmly set in a stone mound, with brass cap attached, properly mkd.; the S. ½ mile common to secs. 3 and 4 was found to bear S. 0° 07' W. instead of S. 0° 02' W., as shown on the supplemental plat.

The witness for the cor. common to secs. 3, 4, 9 and 10 is a GLO pipe, 1 in. diam., with brass cap attached, properly mkd.; a stake was set at the position for the cor. to make the tie to the claim cor.

NOTE: Discrepancies between the survey and the location notices are due to errors in the location notices.

FIELD ASSISTANTS

Frank Eastman
Joe D. Alvarez
Marlin E. Widger

Instrumentman
Chainman
Chainman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

November 4, 1958

I, Robert Lenon

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

dated October 30, 1958, I have faithfully and correctly executed the survey of the mining claim of R. E. Schnure and John J. Buttermore

known as the Mormon Girl Extension and Mormon Girl Extension No. 2 Lodes (Lode, placer, or mill site) situate in Cave Creek Mining District Secs. 3, 4, 9 and 10

T. 5 N., R. 4 E., GSR Meridian, Arizona (State), and

designated as Survey No. 4426, 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 Lodes (Lode or placer) location(s) embraced in the said mining claim by

claimant(s) or their 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.

Patagonia, Arizona

(Place)

Robert Lenon
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office (Office)

Phoenix, Arizona December 10, 1958 (Place) (Date)

The foregoing field notes of mineral survey No. 4426, in Secs. 3, 4, 9, & 10,

T. 5 N., R. 4 E., G.S.R. Meridian,

Arizona, executed by Robert Lenon, Mineral Surveyor,

amended under/order dated October 30, 1958, 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.

Lester S. Mann
Lester S. Mann
Office Cadastral Engineer
(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.



LONDON ENGINEERING OFFICES

ROBERT LONDON, P.E.

CONSULTING MINING ENGINEER

Patagonia, Sept. 2, 1939
P. O. Box 148,
Phoenix, Arizona

U. S. Public Survey Office,
P. O. Box 148,
Phoenix, Arizona

Additional Expenditures
U.S. No. 4428

Gentlemen:

Additional expenditures on the Norman Girl Extension
No. 2 have been accomplished, as follows:

A shaft 7 x 7 ft., 10 ft. deep, the center of which
bears N 25° W 350 ft. from Cor. No. 4, Norman Girl Ex-
tension No. 2 lobe.
Value: \$200.

A bulldozer cut, 12 ft. wide, 4 ft. deep, the width
end of which bears S 70° W 225 ft. from Cor. No. 3, Nor-
man Girl Extension lobe; area 12 x 40 ft.
Value: \$150.

A tracing showing these additional holes is enclosed
herewith.

I believe that this completes the required work for the
benefit of these two lobes.

Respectfully,

Robert London, P.E.
Mining Surveyor

encl: tracing

STRAITHMORRE BOND
CANTON MASS. U.S.A.