4-688

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4473	Ø
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Arizona Land	District.
FIELD NOTES	
Of The Survey Of The Mining Claim	Of
R. E. Schnure and J. J. Buttermo	
Known As The	
Little Hope Lode	
Cave Creek	
Maricopa County, Ariz	ona
Surveyed under order dated February 4 October 30 By Robe	., 19 <u>.57</u> 1958
	Mineral Surveyor.
Claim locatedApril 3	, 19 <u>53</u>
Survey commencedFebruary 10	, 19 <u>57</u>
Survey completedApril 15	, 19 <u>57</u>
Address of claimant 376 No. 21st Avenue, Ph	oenix, Arizona
DATES OF AMENDED LOCATIONS	

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Survey No. 4473

Chrime Feet

> This survey was made with a Berger Precise Transit, No. 6072, with horizontal limb, 5½ 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° 48' N. and longitude 111° 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. south east to the sun.

Mean time of observation, Live bobbs A dollar a 105th meridian standard time 3h 40m 17s 3h 43m 05s p.m.

Mean observed vertical angles to sun's center

25° 52岁1 25° 23½1

Mean horizontal angles from reference point to sun's center 69° 05½' 69° 43'

True bearing to reference point

S. 19° 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 steel tape 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 give a uniform value of 14° 15' E.

LITTLE HOPE LODE

Beginning at Cor. No. 1, Little Hope lode, Sur. No. 4473.

Found an iron pipe, 1 in. diam., firmly set in a stone mound, with brass cap attached, mkd. LH-1, to which I added 4473, from which

The 2 sec. cor. of secs. 3 and 4, T. 5 N., R. 4 E., G. & S. R. M. bears S. 42° 47' E., 2748.77 ft. dist.

Thence N. 77° 32' E.

298.00

A scattered stone mound.

302.98

dist.

on fin

Lode line, discovery point bears S. 20° 40' E., 670 ft. dist.

605.96

Cor. No. 2, falling on line 4-1, Sur. No. 2678, Henry W. Grady lode.

More, to at French Page 5. 80° V. and E. 80° A.

Survey No. 4473

		Survey No. 7773
	General Feet	agone D
The state of	. 60722. Pereret	Found an iron pipe, 1 in. diam., firmly set in a stone mound, with brass cap attached, mkd. LH-2, to which I added 4473, from which
1	See of the see	Cor. No. 1, Sur. No. 2678, Henry W. Grady lode, bears N. 19° 21' W., 151.75 ft. dist.
		Thence S. 19° 21' E.
d	190.00	Gulch, 25 ft. wide, course S. 80° W.
		Gulch, 10 ft. wide, course S. 60° W.
	720.00	Gulch, 10 ft. wide, course N. 85° W.
	2013 20 1	Cor. No. 3, identical with Cor. No. 4, Henry W. Grady lode, and Cor. No. 1, Mormon Girl lode, both of Sur. No. 2678.
1	Oft. Se	Found an iron pipe, 1 in. diam., a post, 4x4 ins. in size, in a stone mound alongside, with brass cap attached, mkd. MG-1-HWG-4-2678-LH-3, to which I added 4473, from which
	. 4 reo me	A schist outcrop, 24x36 ins., 4 ins. high, bears S. 82° 50' W., 5,0 ft. dist., mkd. X-BR-3-4426.
		Thence S. 21° 04½ E.
	15.00	Road, 10 ft. wide, bears N. 80° W. and S. 80° E.
	130:00	Road, 10 ft. wide, bears N. 80° E. and S. 80° W.
	150.00	
1.60	180.00	
al.	210.00	Road, 5 ft. wide, bears N. 80° E. and S. 80° W.
	309.50	No. 2 lode, and following on line 4-1, Sur. No. 2678, Mormon Girl lode.
	Xovans s	Found an iron pipe, 1 in. diam., stone mound alongside, with brass cap attached, mkd. Mor M No 2-2-2678-LH-4, to which I added 4473, from which
		A silicified boulder, 24x36 ins., 24 ins. high, bears S. 87° E., 3.0 ft. dist., mkd. X-BR-4-4473.
		Thence S. 77° 32' W.
	276.65	A post, 4x4 ins. in size, set in a stone mound.
	.279.12	Lode line, discovery point bears N. 20° 40' W., 766.50 ft. dist.
	569.30	Cor. No. 1, Sur. No. 2678, Mormon Mine No. 2 lode, a post, 4x4 ins. in size, set in a small stone mound; no markings.
	582.10	Cor. No. 5
		Found an iron pipe, 1 in. diam., stone mound alongside, firmly set with brass cap attached, mkd. LH-5, to which I added 4473.
	redy fled	Thence N. 20° 40' W.
	10.00	Road, 10 ft. wide, bears S. 80° W. and N. 80° E.

Survey No. 4473

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	KKKKK Feet		erdezet)
10	. 30.00	Enter S. channel of gulch system, 10 ft. wide, course S. 8	30° W.
	220 77	Leave N. channel of gulch system, 10 ft. wide, course S. 8	
c	135.00	Gulch, 5 ft. wide, course S. 80° W.	
	175.00	, and the state of	
in	490.00		
	680.00		
in.	1160.00	, ,	
	1400.00	Gulch, 4 ft. wide, course S. 80° W.	
	1436.50	Cor. No. 1 and place of beginning. Salamatarasa : 2000	
		STIATS SEA GAIL AREAS	
	inemente	Total area, Little Hope lode	Acres
	33431033.040.0	18:12: IA .0 sol	19.269
	tismižs.	LOCATION	
		This survey is located in the NE% of sec. 4, T. 5 N., R. Gila and Salt River Base & Meridian, Maricopa County, Arizo	. 4 E.,
	.coned 5	This survey is identical with the location as marked on by the General Land Office Segregation Survey of 1933.	the ground
	mension m Cor. N	A bolldorer cut, 20 x 35 ft., 3 ft. does, wash the lond drummars W. 10° W; SENTIONACE bears 1. 22° W., 500 ft. from	No. 3
	no Paneir	The improvements and the value of the labor and improvem upon or for the benefit of the lode locations are as follows	rs :
*	No. 1	The discovery cut of Little Hope lode, being on the lode lift. from a point on line 1-2, 302.98 ft. from Cor. No. 1, to f which being the discovery point, 4 ft. wide, runs S. 30° ft. to an 8 ft. face. Value \$100	he face
	No. 2	A shaft, 6x6 ft. in size, 6 ft. deep, the center of which b 57° W., 60 ft. from Cor. No. 4.	ears N.
	No. 3	Value \$100 * See page 4	
	No. 4	OTHER IMPROVEMENTS	
		Approximately 2,000 ft. of ungraded road runs across Litlode.	tle Hope
		OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA	
		Sur. No. 2678, Henry W. Grady lode: Cor. No. 1 is a storplace, properly marked, stone mound alongside; line 3-4, idewith line 1-2, Mormon Girl lode, same survey, was found to 136½' W., 565.80 ft. instead of S. 69° 33½' W., 564.62 ft. as line 4-1 was found to be N. 19° 21' W., 1275.65 ft. instead 19° 30½' W., 1274.0 ft. as approved.	ne in entical pe S. 69°

(Xbeekne

Sur. No. 2678, Mormon Girl lode: Line 4-1 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.

Sur. No. 2678, Mormon Mine No. 2 lode: Cor. No. 3 is a 4x4 post, firmly set in a stone mound, with faint markings; line 1-2 was found to be N. 77° 32' E., 569.30 ft. instead of N. 77° 29' E., 568.41 ft. as approved; line 2-3 was found to be S. 21° 04½' E., 554.59 ft. instead of S. 21° 10' E., 552.86 ft. as approved; line 3-4 was found to be S. 18° 44' E., 780.83 ft. instead of S. 18° 46' E., 780.56 ft. as approved. 080.00 Galon, lo st. vide, course E.

The 1/2 sec. cor. common to secs. 3 and 4 is a GLO pipe, 1 in. diam. firmly set in stone mound, with brass cap attached, properly marked. 1400.00 Culch, 4 ft. white, course 8, 80° M.

NOTE: Descrepancies between the survey and the location notice are due to errors in the location notice.

FIELD ASSISTANTS

Frank Eastman Joe D. Alvarez Marlin E. Widger obul book office dean injurinstrument man Chainman Chainman

TANGER OF THE COLUMN THE CASE OF SECTION OF THE CASE O

By letter of June 19, 1959, from Mineral Survey Robert Lenon. Filed with original notes.

No. 3

*

A bulldozer cut, 20 x 35 ft., 3 ft. deep, with the long dimension running N. 20° W; the SE cor. bears N. 21° W., 560 ft. from Cor. No. Value, \$200.00 at to so we will be at merey touch all

A bulldozer cut, 12 x 35 ft., 2 ft. deep, with the long dimension running N. 20° W; the SE cor. bears N. 30° W., 570 ft. from Cor. No. id area a paint on this 1-2, 302.98 ft. from Jor. Mo. . 44.

Value 9.000

* See page h

OTHER LIMPROVIDURES

Approximately 2,000 fc. of uncraded road rine across Little Hope

THE CORNER DESCRIPTIONS AND SUPPLIBRIES OFF

Sur. No. 2.15, denry W. Grady Lode: Cor. Mc. 1 is a some in

place, project, margod, stone mound alongstar; line 8-s, alentical with line 1-2, borson dirk lede, same curvey, was found to be a op 16th to, wild to the instead of 8. 69° JM; W., Fib.Gritt. is approving the color found to be H. 19° ZM; W., 1775.60 ft. instead of N. 19° Jo; W., alte. Ci. as aproved.

a chart, out ft. in sise, o st. deep, the emuor of which

U. S. GOVERNMENT PRINTING OFFICE 16-28520-2

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

CERTIFICATE OF SURVEYOR

	March 21 , 19 59
I,Robert Lenon	
Mineral Surveyor, hereby certify upon honor that in pursuance of an or	rder received from the
Office of Cadastral Engineer at Phoen	
dated, I have faithfully	
the mining claim of R. E. Schnure and J. J. Buttermo	
known as the Little Hope Lode (Lode, placer, or mill site)	,
situate in Cave Creek Mining District, Maricopa County,	Section 4
T. 5 North , R. 4 East , Gila & Salt River Me	ridian, <u>Arizona</u> , and
designated as Survey No. 4473, which is represented in the executed by me and under my direction, and that said survey has been matche Manual of Instructions for the Survey of the Public Lands of the Unidescribed in the foregoing field notes, and I do further certify that the latest contents are supplied to the survey of the Public Lands of the Unidescribed in the foregoing field notes, and I do further certify that the latest contents are supplied to the survey of the Public Lands of the Unidescribed in the foregoing field notes, and I do further certify that the latest contents are supplied to the survey of the Public Lands of the Unidescribed in the foregoing field notes.	ide in strict conformity with said order, ted States, and in the specific manner
upon or for the benefit of thelocation(s)	embraced in the said mining claim by
claimant(s) orits grantors are fully stated in my rextent, location, and itemized value thereof are specified therein with paportion of, or interest in, said labor and improvements so credited to this cof expenditures upon any other claim.	rticularity and full detail, and that no
Patagonia, Aizona Robe	
	(Mineral Surveyor)
CERTIFICATE OF APPROVAL	
Bureau of Land	Management-Survey Office
Phoenix, Arizon (Place)	(Office) na March 11 , 1959 (Date)
The foregoing field notes of mineral survey No. 4473, in	
, T. <u>5 North</u> , R. 4 East	
Arizona , executed by Robert	
orrections made prior to their certification by the surveyor, the field not be hereby approved.	critically examined and the necessary stes and the survey therein described
	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 des a true copy of the original field notes.	cribed mineral survey No
	•
U. S. GOVERNMENT PRINTING OFFICE 16-61973-1	(Titla)

(Title)

UNITED STATES DEPARTMENT OF THE INTERIOR BURGLAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

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Office of dadastral ingineer at Though, Arthuna
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places for the benefit of the Line Land and Line Land Land Land Land Mining claim by
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GERTIFICATE OF APPROVAL Boyem of Land Paner Long Differ
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The foregoing field the of whee at survey No. harf3 in section it
noidean revis sist & site is to the set of t
Arizona sweether to the property second for the second sec
ider order dated Cottober 20, 1959 having been critically embined and the necessary resident motor to their de fixation by the surveyor, the field motor and the servey therein described to hereby approved.
Lester C. Fonn
ergening Eardsabad audite
GERTIFICATE OF TRANSCRIPT
I carrier that the foregoing trans rist of field notes of the above densited mineral survey No.

LENON ENGINEERING OFFICES

ROBERT LENON, P.E.

MAPS REPORTS CONSULTING MINING ENGINEER

SURVEYS MINING

P. O. BOX 525 PATAGONIA, ARIZONA Patagonia, June 19,1959

P. O. BOX 257 NOGALES, ARIZONA

Bureau of Land Management U. S. Public Survey Office Box 148, Phoenix, Arizona



M. S. 4473 Little Hope

Gentlemen:

The following additional expenditures may be added to those already credited to this claim:

A bulldozer cut, 20 x 35 ft., 3 ft. deep, with the dong dimension running N 20° W; the SE corm bears N 20° W, 560 ft. from Cor. No. 4. Value, \$200.

A bulldozer cut, 12 x 35 ft., 2 ft. deep, with the long dimension running N 20° W; the SE corm bears N 30° W, 570ft. from Cor. No. 4. Value \$100.

This will put the expenditures over the required \$500 for this claim.

Sincerely,

Mineral Surveyor

Pateronia, June 19,1959

Juneacut band to peerus U. S. Public Survey Office Box 148, Phoenix, Arizona

M. S. 4473 Eilte Hope

The Pollowing additional expenditures may be added to those already oradited to this claim:

A bulldownr cut, 20×35 ft., 3 ft. deep, with the Long dimension running N 20^9 W; the SE core bears N 20^9 W, 560 ft. from Cor. No. 4. Value, \$200.

A bulldeser cut, 12 x 35 ft., 2 ft. deep, with the long dimension running N 20° W; the SE cor. bears N 30° W, 570ft. From Dor. No. 4. Value 3100.

This will put the expenditures over the remained 1500 for .mirfo sint

Mineral surveyor