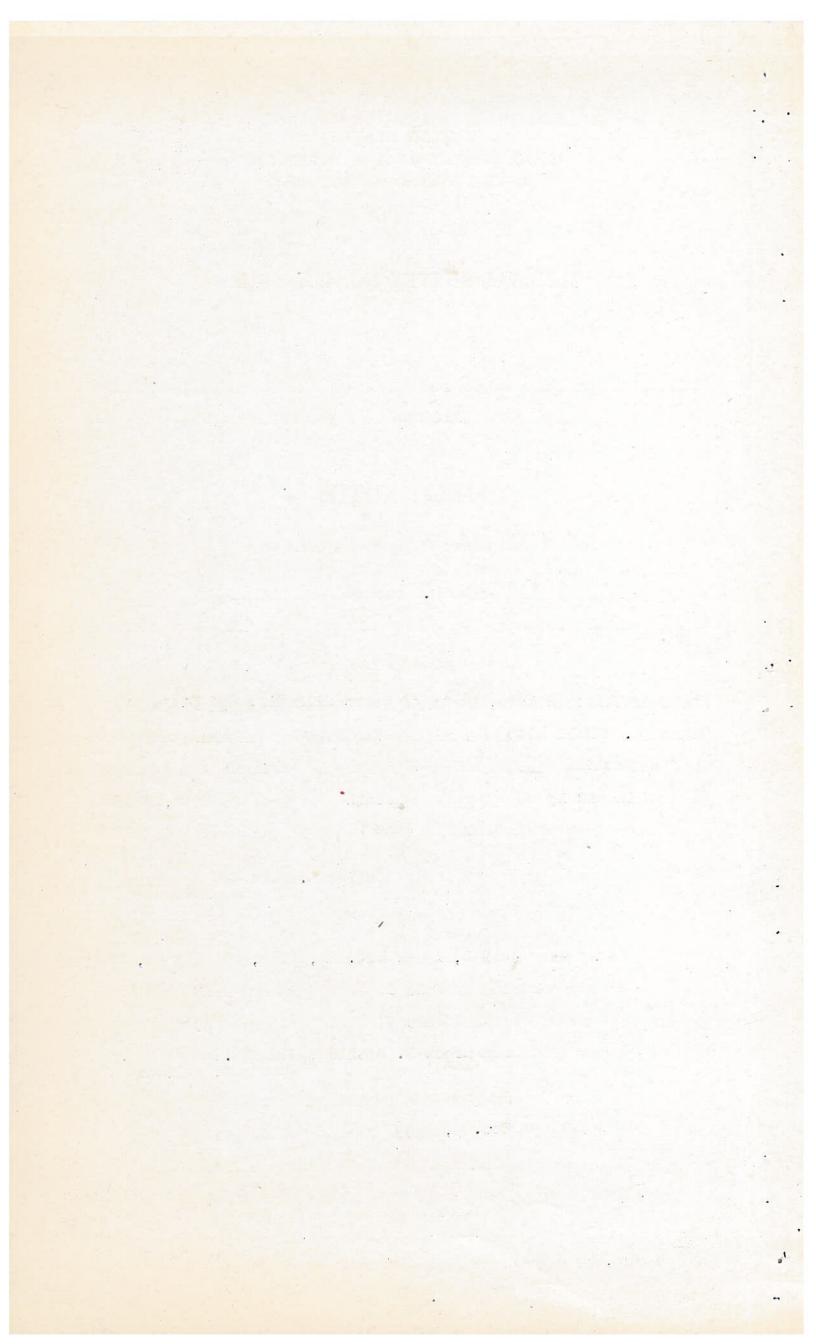
## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

## MINERAL SURVEY NO. 4335 A & B

	Arizona	Land District.
	FIELD NOTE	
Of The	Survey Of The Mining	Claim Of
	Known As The	
State of Texas #2 lode	, State of Texas	Mill Site and State of
Cexas No. 2 Mill Site	HARTF	ORD Mining District,
Cochise	County,	Arizona
Sections 12 and 13	Township 24 South	, Range 20 East, G&SRM
Surveyed under order	dated June 8	, 19.49
	by Ralp	h L. Motz Mineral Surveyor.
Claim located Ju	ly 1, 1939, Oct.	18, 1936,, rs May 20, 1949
Survey commenced	July 1	, 19.49.
Survey completed	July 7	, 19.49
Address of claims	ant Grace M. Spark	es, Star Rt., Hereford, Arizona
DA	ATES OF AMENDED LOCAT	IONS
D	ec. 3, 1946	
	U. S. GOVERNMENT PRINTING OFFICE 16-5397	72-2



This survey was made with a C.L. Berger & Sons precise transit with horizontal limb 6.25 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 eye piece is equipped with a colored glass slide in a detachable prismatic eyepiece for making direct observations upon the sun. The instrument was in good condition at the time of the strument was in good condition at the time of the strument was in good condition at the time of the strument was in good condition at the strument was in good condition. ment was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian de-

method of deflection angles referred to the meridian determined by the following observation:

July 1, 1949, at Cor. No. 1 of the State of Texas # 2 lode, in latitude 31° 21' N., and longitude 110° 16' W., I made a series of eight altitude observations upon the sun for azimuth at approximately equal time intervals, four each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point at Cor. No. 2 to the sun.

Mean time of observation, 105th  $= 9^{h} 00^{m}$ meridian standard time

Declination of the sun at mean time of observation = 23° 06' 35.4" N.

Mean observed vertical angle to sun's center = 48° 05°

Mean horizontal angle from reference point to sun's center = 90° 44' S - E

True bearing to reference point = N. 0° 11' W.

The lines were measured with a Keuffel & Esser steel tape 300 feet in length; graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape 100 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape 25 feet im length, graduated to feet, inches and fractions of inches for the entire length; all tapes were compared to a lufting the delication. length; all tapes were compared to a Lufkin standard at the time of beginning the survey, and found correct.
All lines and connections of the survey were run by

direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 13° 00' East.

Feet

Survey No. 4335 A.

### STATE OF TEXAS #2 LODE

Corner No. 1 of the State of Texas #2 lode, identical with Cor. No. 1, Sur. No. 3642 Rubio lode is monumented by an old pine post, 4 ins. sq. scribed 1-3642R. I remove post.

At the corner point

Set an iron pipe, 36 ins. long, 1½ ins. diam., 18 ins. in the ground, and in a mound of stone, with brass cap mkd. ST2-1-4335A-R-1-3642; from which

	2	·Survey No. 4335 A.
	Feet  sales  sal	The Cor. of Secs. 11, 12, 13 and 14, T. 24 S., R. 20 E., G. & S.R.M., bears S. 36° 29' W., 300.0 ft. dist., an iron pipe with brass cap, 18'ins. above ground, firmly set and marked as described in the official record.
-1	epkece	Thence N. 0° 11' W.
1	300.0	Lode line; discovery point bears N. 89° 49' E., 250 ft. dist.
41	354.0	Intersect line 4-1 of Survey No. 3642 Fraction lode at a point from which Cor. No. 4 bears N. 52° 14' E., 82.4 ft. dist.
	447.6	Intersect line 3-4 of Survey No. 3642 Fraction lode at a point from which Cor. No. 4 bears S. 56° 37' E., 78.4 ft. dist.
	600.0	Cor. No. 2, situated on line 4-1 of Survey No. 3642 Rubio lode.
		Set an iron pipe, 3 ft. long, $l\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone with brass cap mkd. ST2-2-4335 A; from which
		Cor. No. 4 of Survey No. 3642 Rubio lode, bears N. 0° 11' W., 295.2 ft. dist.
		Cor. No. 4 of Survey No. 3642 Fraction lode, bears S. 18° 38' E., 206.4 ft. dist.
		Thence N. 89° 49' E.
	1500.0	Cor. No. 3
	leade. Da and Tel 4 Cleat	Set an iron pipe, 3 ft. long, 12 ins. diam., 18 ins. in the ground, and in a mound of stone with brass cap mkd. ST2-3-4335 A.
	e dita	Thence S. 0° 11' E.
	300.0	Lode line; discovery point bears S. 89° 49' W., 1250.0 ft. dist.
	600.0	Cor. No. 4, situated on line 2-3 of Survey No. 1280 State of Texas lode.
		Set an iron pipe, 3 ft. long, 1½ ins. diam., 18 ins. in the ground, and in a mound of stone with brass cap mkd. ST2-4-4335 A; from which
		Cor. No. 3 of Survey No. 1280 State of Texas lode, bears N. 89° 49' E., 193.8 ft. dist.
	w Menin	Thence S. 89° 49° W.
	1307•4	Cor. No. 2 of Survey No. 1280 State of Texas lode, an oak post, firmly set in a monument of rocks and properly marked.
	1500.0	
	100 Sec. 10	1 - 10 20 - 20 1 20 1 20 1 20 1 20 1 20
		1.th. 1927; 1-4-3/22-1-1-3/10 .b. 1

		Survey No. 4335 B.
	Feet	The second secon
		STATE OF TEXAS No. 2 MILL SITE
		At Cor. No. 1 of the State of Texas No. 2 Mill Site
	ins in	Set an iron pipe, 36 ins. long, la ins. diam., 18 ins. in the ground, and in a mound of stone, with brass cap mkd. ST2MS-1-4335 B; from which
Ser. 1	telb #1 broups e stoltho	The Cor. of Secs. 11, 12, 13 and 14, T. 24 S., R. 20 E., G. & S.R.M., bears N. 8° 23' W., 850.5 ft. dist., previously described.
	s loge.	Cor. No. 1 of the State of Texas #2 lode, of this survey, bears N. 2° 52' E., 1084.0 ft. dist.
	the and	Thence S. 86° 18' E.
	726.0	Cor. No. 2, identical with Cor. No. 4 of the State of Texas Mill Site of this survey, previously described.
		Thence S. 3° 42' W.
	90.	Center of Montezuma Canyon, 20 ft. wide, course N. 82° E.
	190.	Center of road, bears N. 82° E. and S. 82° W.
	217.8	Cor. No. 3 State of Texas Mill Site of this survey.
	300.0	Cor. No. 3
	8. 41°	Set an iron pipe, 36 ins. long, li ins. diam., 18 ins. in the ground, and in a mound of stone, with brass cap. mkd. ST2MS-3-4335 B
	aaxem *	No local bearing objects available
		Thence N. 86° 18' W.
	726.0	Cor. No. 4. 20 Duy on a man and a man a
		Set an iron pipe, 36 ins. long, 1½ ins. diam., 18 ins. in the ground, and in a mound of stone, with brass cap mkd. ST2MS-4-4335 B.
		No local bearing objects available.
		Thence N. 3° 42' E.
-	133	Center of road, bears N. 76° W. and S. 76° E.
	210	Center of Montezuma Canyon, 20 ft. wide, course East.
	300.0	Cor. No. 1 and place of beginning.
	व्यक्त	The State of Texas Mill Site contains 5.000 acres.
		The State of Texas No. 2 Mill Site contains 5.000 acres.
		. Acres. AREAS amed , back to settle . Acres.
		Total area, State of Texas #2 lode 20.661
		Area in conflict with Sur. No. 3642 Fraction lode Total area, State of Texas Mill Site Total area, State of Texas No. 2 Mill Site 5.000 Total area, State of Texas No. 2 Mill Site

### LOCATION

This survey is located in the  $S_2^{\dagger}SW_4^{\dagger}$  of Sec. 12 and the  $N_2^{\dagger}NW_4^{\dagger}$  of Sec. 13, T. 24 S., R. 20 E.,.G. & S.R.M., in the Coronado National Forest.

The survey of the State of Texas #2. lode is identical with the amended location as marked on the ground. The survey of the State of Texas Mill Site and the State of Texas No. 2 Mill Site is identical with the original locations as marked on the ground.

### EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the lode location by the claimant or her grantors are as follows:

No. 1 The discovery shaft of the State of Texas #2 lode, the center of which being the discovery point is on the lode line 250 ft. from the west end; 5x7 ft., 10 ft. deep.

Value, \$75.

- No. 2 An open cut, the face of which bears S. 45° E., 10 ft. from the discovery point of the State of Texas #2 lode; 6 ft. wide, 10 ft. face, runs N. 10° W., 10 ft. to face.

  Value, \$65.
- An open cut, the mouth of which bears N. 65° 30' E., 218 ft. from Cor. No. 1 of the State-of Texas #2 lode; 6 ft. wide, 10 ft. face, runs N. 14° 15' W., 15 ft. to face and portal of tunnel, 5x7 ft. in size running N. 14° 15' W., 190 ft. to breast.

  Value, \$2950.

#### OTHER IMPROVEMENTS

- A well, the center of which bears N. 63° 05' E., 321 ft. from Cor. No. 4 of the State of Texas No. 2 Mill Site; 5x5 ft., 14 ft. deep.
- A well, the center of which bears N. 69° 55' E., 378 ft. from Cor. No. 4 of the State of Texas No. 2 Mill Site; 4x6 ft., 15 ft. deep.
- A storage tunnel, the mouth of which bears N. 70° 50° E., 420 ft. from Cor. No. 4 of the State of Texas No. 2 Mill Site; 4x7 ft. in size, running north 52 ft. to breast.
- A frame boarding house, the SE. corner of which bears N. 34° 15' W., 152 ft. from Cor. No. 3 of the State of Texas No. 2 Mill Site; 24x24 ft. in size, the north and south sides bear N. 82° E.
- A frame house, the SE. corner of which bears N. 9° W., 138 ft. from Cor. No. 3 of the State of Texas No. 2 Mill Site; 16.5 x 24 ft. in size; the long sides bear N. 82° E.
- A frame office building, the SW. corner of which bears N. 41° 40' E., 87 ft. from Cor. No. 3 of the State of Texas Mill Site; 12x16 ft. in size, the long sides bear N. 8° W.

- A frame bunk house, the SW. corner of which bears N. 56° 50' E., 132 ft. from Cor. No. 3 of the State of Texas Mill Site; 12 x 16 ft. in size, the long sides bear N. 8° W.
- A tunnel, used as powder magazine, the mouth of which bears N. 64° E., 340 ft. from Cor. No. 3 of the State of Texas Mill Site; 4 x 7 ft. in size, running N. 20° E., 60 ft. to breast.

Claimant of foregoing items herein.

A shaft, the center of which bears from a point on line 1-2, N. 0° 11' W., 300 ft. from Cor. No. 1, N. 5° E., 100 ft.; 5 x 7 ft., 25 ft. deep.

Work done by claimant herein, but is on the Fraction lode.

### OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Survey No. 1280 - State of Texas lode. Cors. 2, 3 and 4 are wooden posts, properly scribed and set. I find line 2-3 to be N. 89° 49' E., 1501.2 ft. instead of S. 81° 37' E., 1500 ft. as approved.

Survey No. 3642 - Rubio lode. Cor. No. 4 is a pine post, firmly set and properly marked. Line 4-1 is correct as approved. Fraction lode, Cors. 1, 3 and 4 are pine posts, firmly set and properly marked. Lines 3-4 and 4-1 are correct as approved.

### FIELD ASSISTANTS

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Charles L. Lewis

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Arthur J. Combel

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# UNITED STATES DEPARTMENT OF THE INTERIOR SENERAL LAND-OFFICE Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, Ralph L. Motz	, Mineral Surveyor,	
	nstructions received from the Office Cadastral	
Engineer, at Phoenix, Arizona	, dated	
	of the United States, the official regulations	
and instructions thereunder, and the in	structions of said Office Cadastral Engineer,	
faithfully and correctly executed the s	urvey of the mining claim of	
Grace M. Sparkes	lunama on Aba	
	of Texas mill site and State of Texas	
	Mining District,	
	Arèzona , in Section	
	4 S. , Range No. 20 E., G&SRM	
	A & B , as represented	
	rately show the boundaries of said mining claim	
	ground, and described in the attached copy of	
the location certificate, which was rec	eived by me from the Office Cadastral Engineer	
with said instructions, and that all cor	ners of said survey have been established and	
perpetuated in strict accordance with t	he law, official regulations and instructions	
thereunder; and I do further solemnly swe	ear that the foregoing are the true and original	
field notes of said survey and my report	therein, and that the labor expended and im-	
provements made upon said mining claim b	y claimant or her	
grantors are as therein fully stated, a	nd 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.		
***************************************		
	Malle Mossian	
Subscribed and sworn to by the said Ralph L. Motz		
Mineral Surveyor, before me W. H. Meischer, Notary Public		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	this	
day of July , 19 49		
	WH Miercher	
	Notary Public, in and for the County of Cochise, State of Arizona.	
U. 4. GOVERNMENT PRINTING OFFICE 6-9475	My commission expires Feb. 3, 1953.	

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U. S. GOVERNMENT PRINTING OFFICE 16-28618-1

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

## UNITED STATES DEPARTMENT OF THE INTERIOR

GENERAL FLAND OFFICE
District Land and Survey Office
Public Survey Office

	At Albuquerque, New Mexico	0
	February 6	, 19 50
I, Office Cadastral Engine	er at Albuquerque, New Mexico	Q
do hereby certify that the foregoing and hereto a	ttached Field Notes and Return of the Surv	vey of the
Mining Claim of Grace M. Spark		
known as the State of Texas #2		
Mill Site and State of Texas No.	2 Mill Site	
situate in Hartfo	rd mining	g district,
Cochise County,		
in SectionS 12 and 13 , Township No.	24 South , Range No. 20	East
G.& S.R.M., designated as Survey No.	4335 A & B	
executed byRalph I	, Motz	, Mineral
Surveyor, July 1 to July 7	, 1949, under my instruction	ons dated
June 8	49, have been critically examined and the	necessary
corrections and explanations made, and the said F	'ield Notes and Return, and the Survey they	describe,
are hereby approved. The certified copy of the l	ocation certificate filed by the applicant for	survey is
included and made a part of these field notes.	SeoN Well Office Cadas ral En	

## CERTIFICATION OF STREET SOURS LINE SURVEY OF MALE CLAIM

# AL OFFICE AND THE PROPERTY OF THE PROPERTY OF

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	un expredit. Le venue constitut e e	
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	Grace J. Aparkon	
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