4—683

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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U.S. LAND OFFICE
Phoenix, Arizona
OCT 2 - 1950

MINERAL SURVEY NO. 4345

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Ada Mary McGregor

P.O.Box 121, Wikenburg, Arizona

Known As The

Black Jim lode

Owens Mining District,

Mohave County, Arizona

Section 33, Township 12 North, Range 13 W.,G.&S.R.M.

Surveyed under order dated Mar. 3, 1950
and amended " " June 2 1950

by John T. Jordan
Mineral Surveyor.

Claim located August 15, 1917

Survey commenced June 15, 1950

Survey completed June 16, 1950

Address of claimant P.O.Box 121, Wickenburg, Arizona

DATES OF AMENDED LOCATIONS

April, 1950, 1st. Amended Location

May, 1950 2nd. Amended Location

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This survey was made with a Kueffel and Esser transit model 5060, No. 81600, with a horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circles 5 ins. diam., having one double vernier; the horizontal verniers read to 30 seconds, the vertical verniers read to one minute of arc; the eyepiece is equipped with a closed shade set in the dust shutter for making direct observations upon 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 deflection angles referred to the meridian determined by the following observation:

Mar. 29, 1950, at disc. mon. of Black Jim Lode, in latitude 34° 20½'N., and longitude 113° 37' 45'' 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 the opposite limbs of the sun in the four quadrants, and reading the horizontal angle from a reference point on the lode line about 300 ft. northward NW. to the sun.

Mean time of observation, 105th meridian standard time = 4h 20m 39s P.M.

Declination of sun at mean time of observation = 3° 27' 02'' N.

Mean observed vertical angle to sun's center = 30° 18' 45"

Mean horizontal angle from reference point to sun's center = 291° 01' right

True bearing to reference point = N 39° 21' W.

The lines were measured with a Dietzgen E-Z Pul steel tape 200 feet in length, graduated every foot with an extra foot at the zero end graduated to tenths and hundredths. The tape was compared with a USBR standard at the time of the beginning of the survey and found correct.

All lines of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 15° 20' E.

Survey No. 4345

Feet	At cor. No. 1 of the Black Jim Lode.
	Set a 4"x4"x4' pine post 18 ins. in the ground to bedrock, surrounded by a mound of stone, mkd. BJ-1-4345; from which
	The ¼ cor. of Secs. 32, 33, T.12 N., R. 13 W., G.&S.R. Mer. bears N.82° 11' W., a distance of 1234.34 ft.
	Cor.No.4, Sur.No. 4209 Chapin No.19, identical with Cor. No. 2 Sur. No. 4209 Chapin No. 18 lode, bears S.75° 34'E., 286.31 ft. dist.
	Thence N.50° 39'E.
120	Left bank of gulch, 20 ft. wide, course N.40°W.
300	Lode line; discovery point bears S. 39°21'E., 500 ft. dist.
358.35	Intersect line 3-4 Sur. No 4209 Chapin No 19 Lode at a point from which Cor. No. 4 bears S. 0°02' E., 298.56 ft. dist.

Feet	
600.0	Cor. No. 2 Set a 4"x4"x4' pine post 20 inches in the ground to bed rock, surrounded by a mound of stone, mkd. B J-2-4345; No local bearing objects available. Thence S. 39°21'E.
1500.0	Cor. No. 3 Set a 4"x4"x4' pine post 24 ins. in the ground, surrounded by a mound of stone, mkd. B J-3-4345; No local bearing objects available. Thence S. 50°39'W.
135	Left bank of gulch, 15 ft. wide, course S. 35°E.
300	Lode line; discovery point bears N. 39°21'W., 1000 ft. dist.
600.0	Cor. No. 4 Set a 4"x4"x4' pine post 24 ins. in the ground surrounded by a mound of stone, mkd. B J-4-4345. No local bearing objects available. Thence N. 39°21' W.
1010	Road bears N. 20°E. and S. 20°W.
1062.25	Intersect line 2-3 Sur. No. 4209 Chapin No. 18 Lode at a point from which Cor. No. 2 bears N. 0°02'W., 267.14 ft. dist. and line 4-1 Sur. No. 4209 Chapin No. 19 Lode
1407.55	Intersect line 1-2 Sur. No. 4209 Chapin No. 18 Lode at a point from which Cor. No. 2 Chapin No. 18 identical with Cor. No. 4, Chapin No. 19 lode, bears N. 89°58' E., 218.78 ft. dist.
1500	Cor. No. 1 and place of beginning.

SURVEY NO. 4345

AREAS

	Acres
Total area Black Jim Lode.....	20.661
Area in conflict with	
Sur. No. 4209 Chapin No. 19 Lode.....	1.130
Sur. No. 4209 Chapin No. 18 Lode.....	0.671

LOCATION

This survey is located in the SW ¼ and the NW ¼ of Sec. 33, T. 12N, R. 13 W., G. & S. R. Mer.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the lode location embraced in said mining claim by the claimant or her granters are as follows:

No. 1 Stripping and bench cut mine workings covering an area of 2.45 acres. Approximately 24500 tons of overburden removed in preparation for open cut mining of ore body. Bedded deposit striking N. 39° W. Value $10,000.

OTHER IMPROVEMENTS

A road into the claim which enters on line 4-1 at a point 1010 ft. from Cor. No. 4. 400 ft. in length.

FIELD ASSISTANTS

Name	Capacity
R.V. McAllister	Chainman

U. S. GOVERNMENT PRINTING OFFICE 16—28520-1

CERTIFICATE OF SURVEYOR

I, John T. Jordan, Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from Public Survey Office at Phoenix, Arizona dated I have faithfully and correctly executed the survey of the mining claim of Ada Mary McGregor known as the Black Jim Lode situate in Sec. 33, T. 12 N., R. 13 W., G. & S.R. Mer., ~~xxxxxxxxx~~ Arizona, and designated as Survey No. 4345, 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 Black Jim Lode location embraced in the said mining claim by claimant or her grantors are fully stated in my report therein, and that the character, extent, location, and itemized value thereof are specified ~~therin~~ 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.

Kingman, Arizona

John T. Jordan
Mineral Surveyor

July 17, 1950

4-687
(December 1941)

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

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

Bureau of Land Management
Division of Engineering
1009 W. Tijeras Ave.,
Albuquerque, N. M.

At Albuquerque, New Mexico

September 25, 1950

I, Office Cadastral Engineer at Albuquerque, New Mexico do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of Ada Mary McGregor, known as the Black Jim Lode situate in Owens mining district, Mohave County, Arizona in Section 33, Township No. 12 North, Range No. 13 West G&SRM, designated as Survey No. 4345 executed by John T. Jordan, Mineral Surveyor, June 15 and 16, 1950, 19 , under my instructions dated March 3, 1950 and amended June 2, 1950 , have been critically examined and the necessary corrections and explanations made, and the said Field Notes and Return, and the Survey they describe, are hereby approved. The certified copy of the location certificate filed by the applicant for survey is included and made a part of these field notes.

Geo H Well

Geo. H. Well, Office *Cadastral Engineer.*

U. S. GOVERNMENT PRINTING OFFICE 16—26618-1