

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4451

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Western Gold and Uranium, Inc.

Known As The

Brown Fraction and Brown No. 1 lodes

Big Bug Mining District,

Yavapai County, Arizona

Section 15, Township 13 North, Range 1 E., Gila and Salt River Meridian

Surveyed under order dated June 20, 1958

by Richard L. Merritt  
Mineral Surveyor.

Claim located 11/2/51, 2/2/52, 19

Survey commenced June 15, 1958

Survey completed August 19, 1958

Address of claimant Western Gold and Uranium, Inc.  
P. O. Box 158, St. George, Utah

DATES OF AMENDED LOCATIONS

June 4, 1958

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
CHICAGO, ILLINOIS

RESEARCH REPORT  
NO. 100

1950

BY  
J. H. GOLDSTEIN

AND  
R. F. W. CLAYTON

RECEIVED  
MAY 15 1950

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Mineral Survey No. 4451

Feet

This survey was made with a Gurley transit No. 50962, 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 eyepiece is equipped with a colored 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:

July 15, 1958, at cor. No. 1 of the Brown No. 1 lode, in latitude 34° 30' 50" N., and longitude 112° 15' 15" W., I made a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from cor. No. 2 of Brown No. 1 lode to the right to the sun:

Mean time of observation, 105th meridian standard time	9 <sup>h</sup> 30 <sup>m</sup> a.m.
Declination of sun at mean time of observation	21° 32' 10" N.
Mean observed vertical angle to sun's center	47° 52' 30"
Mean horizontal angle from cor. No. 2 to sun's center	4° 56' R.
True bearing of line 1-2	S. 89° 25' 30" E.

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot, the first and last foot being graduated to tenths and hundredths. The tape was compared with a Lufkin standard tape 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 15° E.

Survey No. 4451

BROWN NO. 1 LODE

At cor. No. 1 of the Brown No. 1 lode.

Set a granite stone, 24x14x5 ins., 13 ins. in the ground, mkd. X B - 1-1-4451, from which

The cor. of secs. 9, 10, 15 and 16, T. 13 N., R. 1 E., Gila and Salt River Meridian, bears N. 89° 25' 30" W., 69.22 ft. dist.; an iron post, 2 ins. diam., 18 ins. above ground, mkd. and witnessed as described in the official record.

A cor. of the location, a post 4x4 ins., 4.5 ft. long, in a mound of stone, bears N. 13° 34' W., 19.56 ft.

Thence S. 89° 25' 30" E.

Mineral Survey No. 4451

Feet	Description
75.00	Center of wash, 10 ft. wide, course S. 50° E.
308.00	Lode line, identical with a cor. of the location, a post 4x4 ins., 4.5 ft. long, in a mound of stone; discovery point bears S. 13° 42' W., 250.0 ft. dist.
324.00	Center of road, bears N. 78° 00' W. and S. 78° 00' E.
506.00	Fence, bears N. 13° W. and S. 13° E.
616.04	Cor. No. 2, identical with cor. No. 1, Brown Fraction lode of this survey. Set a granite stone, 24x12x6 ins., 13 ins. in the ground, mkd. X B 1-2, B.F. 4451, from which A cor. of the locations, a post 4x4 ins., 4.5 ft. long, in a mound of stone, bears N. 24° 02' 30" E., 4.4 ft. dist. Thence S. 24° 02' 30" W.
75.00	Center of road, bears N. 66° W. and S. 66° E.
251.83	Center of wash, 10 ft. wide, course N 85° E.
407.83	Northwest cor. of Extension #2 lode, unsurveyed.
659.93	Cor. No. 4 Brown Fraction lode of this survey.
1453.00	Fence, bears N. 5° E. and S. 5° W.
1507.68	Cor. No. 3 on W. line Extension #2 lode, unsurveyed. Set a granite stone, 24x10x6 ins., 13 ins. in the ground, mkd. X B 1-3, 4451, from which A cor. of the location, a post 4x4 ins., 4.5 ft. long, in a mound of stone, bears S. 50° E., 7.5 ft. dist. Thence N. 89° 25' 30" W.
29.99	Lode line, identical with a cor. of the location, a post 4x4 ins., 4.5 ft. long, in a mound of stone; discovery point bears N. 13° 42' E., 1169.90 ft. dist.
59.00	Cor. No. 4. Set a granite stone 24x12x5 ins., 13 ins. in the ground, mkd. X B 1-4, 4451, from which A cor. of the location, a post 4x4 ins., 4.5 ft. long, in a mound of stone, bears S. 22° W., 6.3 ft. dist. Thence N. 10° 29' 30" W.
1108.00	Cor. No. 5. Set a granite stone, 24x12x4 ins., 13 ins. in the ground, mkd. X B 1-5, 4451, from which

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<p>Chains Feet</p> <p>201.8</p> <p>282.27</p>	<p>A cor. of the location, a post 4x4 ins., 4.5 ft. long, in a mound of stone, bears N. 4° 23' W., 76.20 ft. dist.</p> <p>Thence N. 13° 42' E.</p> <p>Fence, bears N. 87° E. and S. 87° W.</p> <p>Cor. No. 1 and place of beginning.</p>
<p><b>BROWN FRACTION LODE</b></p>	
<p>88.00</p> <p>325.93</p> <p>651.86</p> <p>312.00</p> <p>476.00</p> <p>543.00</p> <p>659.93</p> <p>325.93</p>	<p>Beginning at cor. No. 1 of the Brown Fraction lode, identical with cor. No. 2, Brown No. 1 lode of this survey, from which</p> <p>The cor. of secs. 9, 10, 15 and 16, T. 13 N., R. 1 E., Gila and Salt River Meridian, bears N. 89° 25' 30" W., 685.26 ft. dist.</p> <p>Thence S. 89° 25' 30" E.</p> <p>Fence, bears N. 14° W. and S. 15° E.</p> <p>Lode line, identical with a monument of the location, a post 4x4 ins., 4.5 ft. long, in a mound of stone; discovery point bears S. 24° 02' 30" W., 60.0 ft. dist.</p> <p>Cor. No. 2.</p> <p>Set a granite stone, 26x16x6 ins., 14 ins. in the ground, mkd. X B F 2 - 4451, from which</p> <p>A cor. of the location, a post 4x4 ins., 4.5 ft. long, bears N. 31° E., 7.4 ft. dist.</p> <p>Thence S. 24° 02' 30" W.</p> <p>Fence, bears N. and S.</p>
<p>476.00</p> <p>543.00</p> <p>659.93</p> <p>325.93</p> <p>651.86</p>	<p>Center of road, bears S. 60° E. and N. 60° W.</p> <p>Center of wash, course S. 60° E.</p> <p>Cor. No. 3, identical with NE. cor. Extension #2 lode, unsurveyed, and cor. of the location.</p> <p>Set a granite stone, 24x14x8 ins., 13 ins. in the ground, mkd. X B F 3-4451, from which</p> <p>Rebuilt location monument, a post, 4x4 ins., 4.5 ft. long, in a mound of stone, bears S. 55° E., 6.5 ft. dist.</p> <p>Thence N. 89° 25' 30" W.</p> <p>Lode line, identical with a monument of the location, a post 4x4 ins., 4.5 ft. long, in a mound of stone; discovery point bears N. 24° 02' 30" E., 599.93 ft. dist.</p> <p>Cor. No. 4 on W. line extension #2 lode, unsurveyed.</p>

## Mineral Survey No. 4451

CHUNK  
Feet

Set a granite stone, 24x10x8 ins., 13 ins. in the ground, mkd. X B F 4-4451, from which

A cor. of the location, a post 4x4 ins., 4.5 ft. long, in a mound of stone, bears S. 29° W., 6.3 ft. dist.

Thence N. 24° 02' 30" E.

252.10 NW. cor. Extension #2 lode, unsurveyed.

408.10 Center of wash, 10 ft. wide, course N. 85° E.

584.93 Center of road, bears N. 66° W. and S. 66° E.

659.93 Cor. No. 1 and place of beginning.

## AREAS

Total area, Brown No. 1 lode

Acres

Total area, Brown Fraction lode

11.595

Area in conflict with

9.059

Extension #2 lode, unsurveyed

1.730

## LOCATION

This survey is located in the NW $\frac{1}{4}$  of the NW $\frac{1}{4}$  sec. 15, T. 13 N., R. 1 E., Gila and Salt River Meridian, Yavapai County, Arizona.

## 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 point of the Brown No. 1 lode is on the lode line, S. 13° 42' W., 250 ft. from a point on line 1-2, 308 ft. from cor. No. 1. No value.

No. 2 A trench, the N. end of which bears S. 56° 54' E., 261.8 ft. from cor. No. 1 of the Brown No. 1 lode, 14 ft. wide, 1.5 ft. deep, drunning S. 20° W., 93 ft. dist. Value, \$270.

No. 1 The discovery point of the Brown Fraction lode is on the lode line 60 ft. from the center of line 1-2. No value.

No. 2 An interest in a common improvement described as follows:

A shaft, the center of which bears S. 0° 30' E., 62 ft. from cor. No. 1 of the Brown Fraction lode, 4x8 ft., 456 ft. deep.

Value, \$22,800.

Value of one-third interest, \$7,600.

This improvement is in course of construction for the two lodes of this survey, and the Brown No. 2 lode, unsurveyed, which are all contiguous lode claims owned in common, within the range of benefit of said shaft.

Five hundred dollars or over has been expended in this improvement in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore an undivided one-third interest in its value is hereby credited to each of said lodes and a like interest apportioned to the other stated lode of the common group.

## Mineral Survey No. 4451

~~Other~~  
Feet

## OTHER IMPROVEMENTS

A shed, the NW. cor. of which bears S. 45° W., 54.4 ft. from cor. No. 2 of the Brown No. 1 lode, 12x14 ft.; long sides bear N. Claimant herein.

A shed, the NW. cor. of which bears S. 24° 02' 30" W., 87 ft. from cor. No. 1 of the Brown Fraction lode, 20x16 ft.; long sides bear S. 66° E. Claimant herein.

A shed, the NE. cor. of which bears S. 80° W., 286 ft. from the center of line 1-2 Brown Fraction lode, 18x14 ft.; long sides bears S. 85° E. Claimant herein.

A shed, the NE. cor. of which bears S. 68° W., 270 ft. from the center of line 1-2 Brown Fraction lode, 16.5x16 ft.; long sides bear N. 20° 30' E. Claimant herein.

A bunk house, the NE. cor. of which bears S. 55° 30' W., 274 ft. from the center of line 1-2 Brown Fraction lode, 11x44 ft.; long sides bear N. 58° W.

## OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

The NE., NW. and SE. cors. of Extension #2 lode are posts, 4x4 ins., 4.5 ft. long, in mounds of stone.

The course of the section line from the NW. cor. sec. 15 to the N.  $\frac{1}{4}$  sec. cor. of sec. 15 was found to be S. 89° 25' 30" E., instead of S. 89° 21' E., as shown on the official plat.

The course of the section line from the NW. cor. sec. 15 to the W.  $\frac{1}{4}$  sec. cor. of sec. 15 was found to be S. 0° 29' 30" E., instead of S. 0° 20' E., as shown on the official plat.

## FIELD ASSISTANTS

Name	Capacity
J. B. Sarvis	Chainman
Keith Bunn	Chainman

MINERAL SURVEY No. 4431

Chains	OTHER IMPROVEMENTS	REMARKS
	A steel, the NW. cor. of which bears S. 45° W., 24.4 ft. from cor. No. 2 of the Brown No. 1 lode, 1314 ft.; long sides bear N. Claimant's claim.	
	A steel, the NW. cor. of which bears S. 24° 01' 30" W., 81 ft. from cor. No. 1 of the Brown fraction lode, 2034 ft.; long sides bear S. 66° E. Claimant's claim.	
	A steel, the NE. cor. of which bears S. 9° W., 210 ft. from the center of line 1-2 Brown fraction lode, 1314 ft.; long sides bear S. 52° E. Claimant's claim.	
	A steel, the NW. cor. of which bears S. 6° W., 210 ft. from the center of line 1-2 Brown fraction lode, 1314 ft.; long sides bear N. 80° E. Claimant's claim.	
	A steel, the NW. cor. of which bears S. 27° 30' W., 214 ft. from the center of line 1-2 Brown fraction lode, 1314 ft.; long sides bear N. 27° W. Claimant's claim.	
	OTHER CORRECT DESCRIPTIONS AND SUPPLEMENTAL DATA	
	The NW. and NE. cor. of extension of lode are posted, and are 4.5 ft. long, in mounds of stone.	
	The course of the section line from the NW. cor. sec. 15 to the N. E. cor. of sec. 15 was found to be S. 0° 22' 30" E., instead of S. 0° 21' W., as shown on the official plat.	
	The course of the section line from the NW. cor. sec. 15 to the N. E. cor. of sec. 15 was found to be S. 0° 22' 30" E., instead of S. 0° 21' W., as shown on the official plat.	
	FIELD ASSISTANTS	
	C. J. Galt	Name
	C. J. Galt	J. B. Davis
	C. J. Galt	Keith Dunn



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

August 20, 19 58

I, Richard L. Merritt

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

Office of Cadastral Engineer, at Phoenix, Arizona

dated June 20th, 1958, I have faithfully and correctly executed the survey of

the mining claim of Western Gold and Uranium, Inc.

known as the Brown Fraction and Brown No. 1 lodes  
(Lode, placer, or mill site)

situate in NW<sup>1</sup> of the NW<sup>1</sup> Section 15

T. No. 13 N., R. No. 1 E., Gila and Salt River Meridian, Arizona, and  
(State)

designated as Survey No. 4451, 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 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.

Prescott, Arizona  
(Place)

Richard L. Merritt  
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office  
(Office)

Phoenix, Arizona March 12, 19 59  
(Place) (Date)

The foregoing field notes of mineral survey No. 4451, in Sec. 15

T. 13 N., R. 1 E., Gila and Salt River Meridian,

Arizona, executed by Richard L. Merritt, Mineral Surveyor,  
(State)

under order dated May 13, 1958, amended 6-20-58, 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.

\_\_\_\_\_  
(Title)

