

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4423

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

D. C. Gilbert

Known As The

Royal and Deer Horn Lodes

Patagonia Mining District,

Santa Cruz County, Arizona

Unsurveyed Section 2, Township 24 South, Range 16 East, G.&S.R.Mer.

Surveyed under order dated November 15, 1956

by Robert Lenon  
Mineral Surveyor.

Claim located December 14, 1930; Nov. 27, 1951, 19

Survey commenced May 24, 19 57

Survey completed September 1, 19 58

Address of claimant Patagonia, Arizona

DATES OF AMENDED LOCATIONS

Royal -- January 17, 1931

1/10/21

THE [illegible] [illegible]

[illegible]

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Mineral Survey No. 4423

Feet

This survey was made with a Bausch & Lomb Precise Transit No. 9259, with horizontal limb 5 1/2 ins. diam., having two single opposite verniers, and full vertical circle 4 1/2 ins. diam., having two double opposite verniers, all verniers reading to one minute of arc; the eyepiece is equipped with a colored glass 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 double horizontal angles referred to the meridian determined by the following observations:

May 24, 1957, at cor. No. 16 of Survey No. 896, Evening Star lode, in latitude 31° 22' 30" N., and longitude 110° 41' 15" 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 inverted positions, observing opposite limbs of the sun, and reading the horizontal angles from a point on line 4-5, Survey No. 2217, Divide lode, 300 ft. southerly to the sun.

- Mean time of observation, 105th meridian standard time 3h 36m p.m.
- Declination of sun at time of observation 20° 51' N.
- Mean observed vertical angle to sun's center 44° 23'
- Mean horizontal angle from reference point to sun's center 91° 54'
- True bearing to reference point N 22° 40' W.

The lines were measured with a Lufkin steel tape, 500 ft. in length, graduated every foot, with the end feet graduated to tenths and hundredths; and a Chicago steel tape, 300 ft. in length, graduated every foot, with the end feet graduated to tenths; 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 where the lines are accessible; the inaccessible lines were run by traverse methods as shown by the calculation sheets herewith submitted; the tie to the USMM was triangulated.

The magnetic declination observed at each corner of the survey gave a uniform value of 12° 30' E.

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ROYAL LODE

At cor. No. 1, Royal lode, identical with cor. No. 3, Survey No. 2057, Pluto lode.

Found a 4x4 ins. pine post, mkd. P-3-2057, to which I added R-1-4423; from which USMM No. 1 bears S. 48° 16' 40" W., 4008.25 ft. dist.

Cor. No. 5, Survey No. 855, Bonanza lode, bears S. 18° 37' W., 4.80 ft. dist.

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Feet.	A limestone outcrop, bears N. 3° 15' W., 4.4 ft. dist., mkd. X-BR-3-2057, to which I added 1-4423.
	Thence N. 34° 55' E.
350.00	Road from Washington Camp to Duquesne, 20 ft. wide, bears S. 25° E. and N. 25° W.
500.00	Road from Washington Camp to Lochiel, 20 ft. wide, bears S. 45° E. and N. 45° W.
570.00	Washington Gulch, 30 ft. wide, course S. 35° E.
597.35	Intersect line 2-3, Deer Horn lode of this survey.
1100.00	Fence, bears N. 50° W. and S. 50° E.
1490.00	Gulch, 10 ft. wide, course S. 10° W.
1500.00	Cor. No. 2; set a porphyry stone, 12x12x12 ins., 6 ins. in the ground, stone mound alongside, mkd. X-R-2-4423. No local bearing objects or bearing trees available.
	Thence S. 59° 28' 30" E.
65.00	Gulch, 3 ft. wide, course S. 10° E.
300.88	Lode line; discovery point bears S. 34° 55' W., 1140 ft. dist.
310.00	Gulch, 5 ft. wide, course S. 25° W.
380.00	Gulch, 5 ft. wide, course S. 5° E.
540.00	Gulch, 5 ft. wide, course S. 15° E.
601.76	Cor. No. 3; set a porphyry stone, 8x12x24 ins., 16 ins. in the ground, stone mound alongside, mkd. X-R-3-4423. No local bearing objects or bearing trees available.
	Thence S. 34° 55' W.
40.00	Gulch, 6 ft. wide, course S. 15° E.
90.00	Gulch, 8 ft. wide, course S. 45° E.
385.00	Fence, bears N. 60° W. and S. 60° E.
898.70	Intersect line 2-3, Deer Horn lode, this survey.
1000.00	County road, 20 ft. wide, bears E. and W.
1040.00	Washington Gulch, 30 ft. wide, course N. 80° E.
1280.00	Gulch, 6 ft. wide, course S. 70° E.
1499.91	Intersect line 3-4, Survey No. 2021, Jumbo lode, at a point from which cor. No. 4 bears N. 59° 46' W., 16.68 ft. dist.
1500.00	Cor. No. 4. Set a limestone boulder, 8x8x22 ins., 16 ins. in the ground, stone mound alongside, mkd. X-4-R-4423; from which

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0	A porphyry outcrop, 18x18x12 ins. above ground, bears N. 4°30' W., 6.2 ft. dist.; mkd. X-BR-4-R-4423.
16.67	Thence N. 59° 28' 30" W. Cors. Nos. 3 and 4, Survey No. 855, Bonanza lode, and Survey No. 2021, Jumbo lode.
45.00	Abandoned roadway, 15 ft. wide, bears S. 20° W. and N. 20° E.
117.50	Gulch, 5 ft. wide, course N. 20° E.
226.00	Gulch, 5 ft. wide, course N. 55° E.
300.88	Lode line, discovery point bears N. 34° 55' E., 360 ft. dist.; set a drill steel, 1 in. diam., stone mound alongside.
360.00	Gulch, 5 ft. wide, course S. 30° E.
410.00	Gulch, 5 ft. wide, course N. 80° E.
460.00	Road from Washington Camp to Duquesne, 20 ft. wide, bears N. 85° E. and S. 85° W.
601.76	Cor. No. 1 and place of beginning.
<b>DEER HORN LODE</b>	
	Beginning at cor. No. 1.
	Cut an X on a limestone outcrop, 24x36x3 ins. above ground, stone mound alongside, to which I added 1-DH-4423; from which USMM No. 1 bears S. 45° 35' 30" W., 3947.08 ft. dist. A limestone outcrop, 24x24x6 ins. above ground, bears N. 81° 24' W., 12.37 ft. dist., mkd. X-BR-4-2217, to which I added 1-DH-4423. A limestone outcrop, 36x36x3 ins. above ground, bears N. 3° 40' W., 11.2 ft. dist., mkd. X-BR-4-2217, to which I added 1-DH-4423. Thence N. 2° 40' W.
2.80	Cor. No. 4, Survey No. 2217, Divide lode, falling on line 3-4, Survey No. 2057, Pluto lode, at a point from which cor. No. 3 bears S. 60° 32' E., 197.67 ft. dist.
356.97	Lode line, discovery point bears S. 59° 51' E., 365 ft. dist.
521.62	Cor. No. 5, Survey No. 2217, Divide lode, identical with cor. No. 6 Survey No. 896, Evening Star lode.
713.94	Cor. No. 2. Set a limestone boulder 6x8x22 ins., 16 ins. in the ground, stone mound alongside, mkd. X-2-DH-4423; from which A limestone outcrop, 36x48x6 ins. above ground, bears S. 59° 51' E., 5.45 ft. dist., mkd. X-BR-2-DH-4423.

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Check Feet	
	Thence S. 59° 51' E.
28.34	Intersect line 6-1, Survey No. 896, Evening Star lode, at a point from which cor. No. 6 bears S. 55° 00' W., 178.56 ft. dist.
300.00	Road from Washington Camp to Duquesne, 20 ft. wide, bears S. 25° E. and N. 25° W.
385.00	Road from Washington Camp to Lochiel, 20 ft. wide, bears S. 35° E. and N. 35° W.
430.00	Washington Gulch, 30 ft. wide, course S. 40° E.
445.90	Intersect line 4-5, Survey No. 896, Evening Star lode, at a point from which Cor. No. 6 bears N. 85° 10' W., 377.97 ft. dist.
632.70	Intersect line 1-2, Royal lode, this survey.
770.00	Gulch, 2 ft. wide, course S. 5° E.
1234.77	Intersect line 3-4, Royal lode, this survey.
1360.00	Road from Washington Camp to Lochiel, 20 ft. wide, bears N. 50° E. and S. 50° W.
1384.30	Cor. No. 3. Set a bolt, ½ ins. diam., in gravel roadway, where a permanent monument cannot be established; from which Cor. No. 5, Survey No. 893, Indiana Millsite, bears S. 24° 00' W., 142.7 ft. dist. Thence S. 2° 40' E.
15.00	Washington Gulch, 30 ft. wide, course S. 50° E.
51.00	Set a porphyry stone, 6x10x24 ins., 16 ins. in the ground for witness cor. No. 3, mkd. X-WC-DH-3-4423. No local bearing objects or bearing trees available.
54.28	Intersect line 4-5, Survey No. 893, Indiana Millsite, at a point from which cor. No. 5 bears S. 38° 30' W., 97.29 ft. dist.
145.00	Gulch, 20 ft. wide, course N. 80° E.
183.52	Intersect line 5-6, Survey No. 893, Indiana Millsite, at a point from which cor. No. 5 bears N. 51° 30' W., 85.07 ft. dist.
356.97	Lode line, discovery point bears N. 59° 51' W., 1019.3 ft. dist.
570.00	Gulch, 5 ft. wide, course N. 70° E.
713.94	Cor. No. 4, identical with cors. Nos. 3 and 6, Jumbo and Big Crop No. 2 lodes, both of Survey No. 2021. Found a pine post, loosely set in a mound of stone, mkd. J-3-2021 and BC2-6-2021, to which I added 4-DH-4423 and rebuilt the stone mound. No local bearing objects or bearing trees available. Thence N. 59° 51' W.
180.00	Gulch, 5 ft. wide, course N. 55° E.

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602.88	Intersect the Common line 4-1 and 3-2, Survey No. 2021, Jumbo lode, and Survey No. 855, Bonanza lode, at a point from which cor. Nos. 4 and 3 bears N. 18° E. 191 ft., 0.90 ft. distant from which	
631.21	Abandoned roadway, 15 ft. wide, bears S. 20° W. and N. 20° E.	
700.00	Gulch, 5 ft. wide, course N. 20° E.	
820.00	Gulch, 5 ft. wide, course N. 55° E.	
940.00	Gulch, 5 ft. wide, course S. 30° E.	
1000.00	Gulch, 5 ft. wide, course N. 80° E.	
1050.00	Road from Washington Camp to Duquesne, 20 ft. wide, bears N. 85° E. and S. 85° W.	
1187.19	Cor. No. 5, Survey No. 855, Bonanza lode.	
1384.30	Cor. No. 1 and place of beginning.	
<b>AREAS</b>		
	Total Area, Royal lode	Acres
	Area in conflict with:	20.661
	Sur. No. 2021, Jumbo lode	0.000
	Total area, Deer Horn lode	19.067
	Area in conflict with:	
	Sur. No. 855, Bonanza lode	0.006
	Sur. No. 893, Indiana Millsite	0.095
	Sur. No. 896, Evening Star lode	0.775
	Sur. No. 2021, Jumbo lode	0.006
	Sur. No. 2057, Pluto lode	0.016
	Morning Star lode, unsurveyed	0.053
	Royal lode of this survey	8.255
	Royal lode of this survey, exclusive of its conflict with	8.255
	Sur. No. 2021, Jumbo lode	
<b>LOCATION</b>		
	This survey is located in approx. sec. 2 (unsurveyed), T. 24 S., R. 16 E., Gila and Salt River Meridian.	
	The survey of the Royal and Deer Horn lodes is identical with the respective amended locations as marked on the ground.	

## Chains

## 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 his grantors are as follows:
- No. 1 The discovery point of the Royal lode is on the lode line, 360 ft. from the center of line 4-1.  
No value.
- No. 2 An adit, 4 x 5 ft. in size, the portal of which bears N. 62° 30' E., 485 ft. from cor. No. 1, Royal lode, and runs S. 65° W., 40 ft. to breast.  
Value, \$550.
- No. 3 A shaft, the center of which bears N. 85° E., 365 ft. from cor. No. 1, Royal lode; 4 x 6 ft., 15 ft. deep.  
Value, \$150.
- No. 4 A shaft, the center of which bears S. 86° 50' E., 285 ft. from cor. No. 1, Royal lode, 8 x 8 ft., 10 ft. deep.  
Value, \$200.
- No. 5 An adit, 4 x 5 ft. in size, the portal of which bears S. 81° E., 260 ft. from cor. No. 1, Royal lode, and runs N. 50° E., 10 ft. to breast.  
Value, \$100.
- No. 6 An adit, 4 x 6 ft. in size, the portal of which bears S. 78° 45' E., 245 ft. from Cor. No. 1, Royal lode, and runs N. 40° E., 8 ft. to breast.  
Value, \$100.
- No. 7 A cut, 10 ft. wide, the face of which bears S. 28° 15' W., 570 ft. from Cor. No. 2, Royal lode; runs N. 15 ft. to 6 ft. face.  
Value, \$200.
- No. 8 A cut, 15 ft. wide, the face of which bears S. 24° 45' W., 530 ft. from Cor. No. 2, Royal lode; runs N. 25° E., 20 ft. face.  
Value, \$400.
- No. 9 A cut, 8 ft. wide, the face of which bears N. 33° 15' E., 575 ft. from Cor. No. 4, Royal lode; runs N. 45° E., 20 ft. to 15 ft. face.  
Value, \$300.
- No. 1 The discovery adit of the Deer Horn lode, the breast of which being the discovery point, is on the lode line, 365 ft. from the center of line 1-2; adit is 4 x 6 ft. in size and runs S. 40° W., 30 ft. to breast.  
Value, \$300.
- No. 2 A shaft, the center of which bears N. 33° 15' E., 370 ft. from Cor. No. 1, Deer Horn lode; 5 x 6 ft., 50 ft. deep.  
Value, \$750.
- No. 3 A shaft, the center of which bears N. 50° E., 335 ft. from Cor. No. 1, Deer Horn lode; 6 x 10 feet, 15 ft. deep.  
Value, \$400.

An interest in a common improvement described as follows:



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## Chains

An inclined shaft, 5x7 ft. in size, partially timbered; the center of the collar of which falling on Survey No. 855, Bonanza lode, at a point S. 55° 20' E., 230 ft. dist. from cor. No. 1, Royal lode. This shaft was sunk at an inclination of 52° with the horizontal; it bears N. 65° E., and has a total depth of 50 ft., slope measurement. It enters the Deer Horn lode at a depth of 25 ft., slope measurement, from the collar. Workings off this shaft, on the Royal and Deer Horn lodes, are as follows:

A drift, 5x6 ft. in size, leaves the incline at the 50 ft. level, runs N. 10° W., 6 ft. to breast.

A drift, 5x6 ft. in size, leaves the incline at the 50 ft. level, runs S. 10° E., 3 ft. to point "A"; thence S. 30° W., 9 ft. to end line of Survey No. 855, Bonanza lode, where it leaves the limits of this survey; all on the Royal and Deer Horn lodes, except for the upper 25 ft. of the shaft itself, as above noted. An undivided half interest in shaft and drifts is credited to each the Royal and Deer Horn lodes.

Value of shaft within the Royal and Deer Horn lodes, \$1,000.

Value of workings off this shaft, within the Royal and Deer Horn lodes, \$300.

## OTHER IMPROVEMENTS

An adobe schoolhouse, 25x30 ft. in size, bears N. 6° 00' W., 525 ft. from cor. No. 4, Royal lode; the long side bears S. 55° E.  
Claimant herein.

A curbed well, with hand pump, 5x5 ft. in size, about 15 ft. deep.  
Claimant unknown.

## OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Survey No. 855, Bonanza lode; cors. Nos. 3 and 5 are pine posts, the former firmly set and properly mkd.; the latter was loose and I reset it using record date, from cor. No. 3, Survey No. 2057, Pluto lode. Line 3-5 was found to be N. 59° 56' W., 584.13 ft., instead of N. 60° 15' W., 600.0 ft. as approved.

Survey No. 893, Indiana Millsite; cor. No. 5 is a stone monument, without a post. No other corners were seen. Lines 4-5 and 5-6 are shown as approved.

Survey No. 896, Evening Star lode; cors. Nos. 4 and 6 are old posts in partly destroyed stone mounds. I reset both from bearing objects and rebuilt the mounds. Line 4-6 was found to be N. 85° 10' W., 591.00 ft., instead of N. 85° 00' E., 600.0 ft. as approved. Cor. No. 5 was not found.

Survey No. 2021, Jumbo lode; cor. No. 3, previously described; cor. No. 4 is a pine post, firmly set in a stone mound, and faintly marked. Line 3-4 was found to be N. 59° 51' W., 602.88 ft., instead of N. 59° 40' W., 604.5 ft. as approved. Pluto lode; cor. No. 3 is a pine post, firmly set and properly mkd., cor. No. 4 is a mound of stone, without a post; I set a stake in the mound from bearing objects. Line 3-4 was found to bear N. 60° 32' W., instead of N. 60° 09' W., as approved. Big Crop No. 2; Line 5-6 was found to be S. 16° 53' W., 299.25 ft. instead of S. 17° 05' W., 299.8 ft. as approved.

Survey No. 2217, Divide lode; cors. Nos. 4 and 5, previously described, Line 4-5 was found to be N. 2° 40' W., 518.82 ft. instead of N. 2° 54' W., 518.7 ft. as approved.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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CERTIFICATE OF SURVEYOR

October 20, 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 November 15, 1956, I have faithfully and correctly executed the survey of

the mining claim of D. C. Gilbert

known as the Royal and Deer Horn Lodes

(Lode, placer, or mill site)

situate in Patagonia Mining District Santa Cruz County, Sec. 2 (Unsur.)

T. 24S., R. 16 E., G & S R Meridian, Arizona, and

(State)

designated as Survey No. 4423, 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

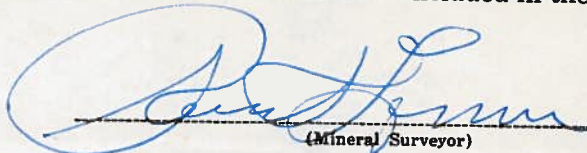
upon or for the benefit of the lodes location(s) embraced in the said mining claim by

(Lode or placer)

claimant(s) or his 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)

  
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Cadastral Survey Office

(Office)

Phoenix, Arizona

(Place)

(Date)

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The foregoing field notes of mineral survey No. 4423, in unsurveyed Section 2

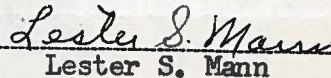
, T. 24 S., R. 16 E., Gila and Salt River Meridian,

Arizona

(State)

, executed by Robert Lenon, Mineral Surveyor,

under order dated November 15, 1956, 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

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.

CERTIFICATE OF SURVEYOR

October 10, 1952

I, Robert Jones, Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the Office of the Surveyor at Phoenix, Arizona, dated November 15, 1952, I have faithfully and correctly executed the survey of the mining claim of T. J. Jones, known as the Jones and Sons mine, situated in the Salt River District, Salt River County, Arizona. The claim is located in the following field notes as having been located 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 location of the said mining claim by claimant(s) or his grantors are fully stated in my report therein, and that the character, extent, location, and estimated 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.

T. J. Jones  
 Robert Jones  
 Mineral Surveyor

CERTIFICATE OF APPROVAL

The foregoing field notes of mineral survey No. 1052, in unapproved Section 2, Salt River District, Arizona, Salt River County, Arizona, executed by Robert Jones, Mineral Surveyor, under order dated November 15, 1952, 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.

Robert H. Mann  
 Office of the Surveyor

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above described mineral survey No. 1052 is a true copy of the original field notes.