

FEB 25 1921
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MINERAL SURVEY No. 3740

Arizona

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Wm. E. Williams,

KNOWN AS THE

Red Dog, Red Dog Wedge, South Extension, Santa Rosa, Mary Ann,
and Golden Star lodes.

Winifred

Mining District,

Maricopa

County, Arizona

Sections 21 and 22, Township 4 North, Range 3 East G&SRB&M.

Surveyed under instructions dated January 20th., 19 21.

by Harry E. Jones,

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced January 27th., 1921.

Survey completed February 2nd., 1921.

Address of claimant Box 1316; Phoenix, Arizona.

DATES OF AMENDED LOCATIONS.

Feet	MINERAL SURVEY NO. 3740
	Red Dog Lode
	Beginning at Cor. No. 1
	Identical with loc. mon. and Cor. 1 Mary Ann lode of this survey.
	A 3ft. ³ / ₄ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-RD-1-MA-1; set 18 ins. in ground and surrounded with a substantial mound of earth and rock.
	The ¹ / ₄ corner common to Sections 21 and 22; T. 4 N. R. 3 E. G&SRB&M. bears S. 3° 59' E. 237.80 ft.
	No other suitable bearings available.
	Thence S. 36° 18' E.
29.68	Intersect the section line common to Sections 21 and 22; T. 4 N. R. 3 E. whence the ¹ / ₄ corner bears S. 00° 17' W. 213.31 ft. and the section corner common to Sections 15-16-21 & 22; T. 4 N. R. 3 E. bears N. 00° 17' E. 2569.57 ft.
130.00	Cross center of 5 ft. wash course SW.
770.00	Cross center of 5 ft. wash course SW.
1394.10	To Cor. No. 2
	Identical with loc. mon. and Cor. 1 South Extension lode of this survey.
	A 3ft. ³ / ₄ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-RD-2-SE-1; set 18 ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available.
	Thence S. 50° 32' W.
	Along line 1-4 South Extension lode of this survey.
277.66	To South East End Center
	Identical with loc. mon. and North West End Center of South Extension lode this survey, a substantial mound of earth and rock.
333.42	Intersect line 1-2 Red Dog Wedge lode this survey, whence Cor. 1 bears N. 31° 04' W. 621.99 ft. and Cor. 2 bears S. 31° 04' E. 757.11 ft.
577.66	To Cor. No. 3
	Identical with loc. mon. and Cor. 4 South Extension lode of

Feet	<p>this survey.</p> <p>A 3ft.$\frac{3}{4}$in. galv. pipe with a 2in. round screw brass cap marked U.S.MINERAL SURVEY NO.3740-RD-3-SE-4; set 18 ins. in ground and surrounded with a substantial mound of earth and rock.</p> <p>U.S.M.M. No.1139 bears S.63°50'30"W. 850.09 ft.</p> <p>No other suitable bearings available.</p> <p>Thence N. 37° 13' W.</p> <p>435.00 Cross center of 5 ft. wash course SW.</p> <p>591.64 Intersect the section line common to Sections 21 and 22; T. 4 N. R. 3 E., whence the $\frac{1}{4}$ corner bears N.00°22'W.782.26 ft. and the corner common to Sections 21-22-27728; bears S.00°22'E. 1848.80 ft.</p> <p>670.00 Cross center of 5 ft. wash course SW.</p> <p>698.55 Intersect Cor.4 Red Dog Wedge lode of this survey, identical with Cor.2 Union lode, Sur. No.1139.</p> <p>Along line 2-3 Union lode, Sur.No.1139.</p> <p>1393.05 To Cor. No. 4</p> <p>Identical with loc. mon. and Cor.2 Mary Ann lode of this survey.</p> <p>A 3ft.$\frac{3}{4}$in. galv. pipe with a 2in. round screw brass cap marked U.S.MINERAL SURVEY NO.3740-RD-4-MA-2; set 16 ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available.</p> <p>Thence N. 50° 32' E.</p> <p>Along line 2-1 Mary Ann lode of this survey.</p> <p>300.00 To Northwest End Center</p> <p>Identical with loc. mon. and Southeast End Center of Mary Ann lode of this survey, a substantial mound of earth and rock.</p> <p>600.00 To Cor. No. 1 the place of beginning.</p>
	<p>Red Dog Wedge Lode</p> <p>Beginning at Cor. No. 1.</p> <p>Identical with loc. mon.</p> <p>A 3ft.$\frac{3}{4}$in. galv. pipe with a 2in. round screw brass cap marked U.S.MINERAL SURVEY NO.3740-RDW-1; set 18 ins. in</p>

Feet	ground and surrounded with a substantial mound of earth and rock.
	The $\frac{1}{4}$ corner common to Sections 21 and 22; T. 4 N. R. 3 E.
	G&SRB&M. bears N. 22°11'W. 610.28 ft.
	No other suitable bearings available.
	Thence S. 31° 04' E.
153.00	Cross center of 5 ft. wash course SW.
621.99	Intersect line 2-3 Red Dog lode, identical with line 4-1 South Extension lode both of this survey, whence Cor. 2-1 bears N. 50° 32' E. 333.42 ft. and Cor. 3-4 bears S. 50° 32' W. 244.24 ft.
1048.00	Cross center of road bearing NW and SE.
1112.00	Cross center of 5 ft. wash course W.
1379.10	To Cor. No. 2
	Identical with loc. mon. and Cor. 3 South Extension lode, and Cor. 3 Santa Rosa lode, both of this survey.
	A 3ft. $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-RDW-2-SE-3-SR-3; set 14 ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available.
	Thence S. 65° 32' W.
300.00	To Southeast End Center
	Identical with loc. mon. a substantial mound of earth and rock.
499.32	To Cor. No. 3
	Identical with loc. mon. and on SE. side line Scarlett lode uns.
	A 3ft. $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-RDW-3; set 18 ins. in ground and surrounded with a substantial mound of earth and rock.
	Cor. 1 Kruger lode, Sur. No. 1906, bears S. 11° 32' E. 455.35 ft.
	The corner common to Sections 21-22-27 & 28; T. 4 N. R. 3 E.
	G&SRB&M. bears S. 34° 48' W. 824.78 ft.
	No other suitable bearings available.
	Thence N. 23° 32' W.
	Along the NE. side line of Scarlett lode uns.

Feet	
573.00	Cross center of 5 ft. wash course W.
739.00	Cross center of road bearing NW. and SE.
1072.00	Cross center of 5 ft. wash course SW.
1207.66	Intersect the section line common to Sections 21 and 22; T. 4 N. R. 3 E. whence the $\frac{1}{4}$ corner bears N.00°22'W. 846. 55 ft. and the corner common to Sections 21-22-27-28; bears S.00°22'E. 1784.51 ft.
1335.00	Cross center of 5 ft. wash course SW.
1370.64	To Cor. No. 4 Identical with loc. Mon., Cor.2 Union lode Sur.No.1139; the NE. cor. Scarlett lode uns. and on line 3-4 Red Dog lode this survey, at N.37° 13' W. 698.55 ft. from Cor.No.3. Replace 4x4 redwood post with a 3ft. $\frac{1}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S.MINERAL SURVEY NO. 1139-3740-U-2-RDW-4; set 18 ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available. Thence N. 65° 32' E.
30.00	Cross center of 5 ft. wash course SW.
70.24	Intersect the section line common to Sections 21 and 22; T. 4 N. R. 3 E. whence the $\frac{1}{4}$ corner bears N.00°22'W. 668. 03 ft. and the corner common to Sections 21-22-27-28; T. 4 N. R. 3 E. bears S.00°22'E. 1963.03 ft.
202.38	To Northwest End Center Identical with loc.mon. a substantial mound of earth and rock.
318.70	To Cor. No. 1 the place of beginning. <hr/> South Extension Lode Beginning at Cor. No. 1 Identical with loc. Mon. and Cor. 2 Red Dog lode of this survey, previously described. The $\frac{1}{4}$ corner common to Sections 21 and 22; T. 4 N. R. 3 E. bears N. 42° 23' W. 1199.82 ft. No other bearings available. Thence S. 51° 14' E.
765.02	To Cor. No. 2

Feet	Identical with loc. mon. and Cor. 4 Santa Rosa lode of this survey.
	A 3ft. $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-SE-2-SR-4; set 18 ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available.
	Thence S. 50° 32' W.
	Along line 4-3 Santa Rosa lode this survey.
285.00	To Witness Southeast End Center
	Identical with Witness Northwest End Center Santa Rosa lode of this survey, and loc. mon. a substantial mound of earth and rock.
300.00	To true end center point, which falls in center of road bearing E. and W. Witness End Center, above described, brs. N. 50° 32' E. 15 ft.
448.00	Cross center of road bearing NW. and SE.
488.00	Cross center of 5 ft. wash course NW.
600.00	To Cor. No. 3
	Identical with loc. mon. Cor. 2 Red Dog Wedge lode, and Cor. 3 Santa Rosa lode both of this survey and previously described.
	Thence N. 49° 35' W.
400.00	Cross center of 5 ft. wash course NW.
560.00	Cross center of road bearing W.
760.82	To Cor. No. 4
	Identical with loc. mon., and Cor. 3 Red Dog lode of this survey, previously described.
	Thence N. 50° 32' E.
	Along line 3-2 Red Dog lode this survey.
244.24	Intersect line 1-2 Red Dog Wedge lode of this survey, whence Cor. 1 bears N. 31° 04' W. 621.99 ft. and Cor. 2 bears S. 31° 04' E. 757.11 ft.
300.00	To Northwest End Center
	Identical with loc. mon. and Southeast End Center Red Dog lode this survey previously described.
577.66	To Cor. No. 1 the place of beginning.

Feet	Beginning at Cor. No. 1
	Identical with loc. mon.
	A 3ft. $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap
	marked U.S. MINERAL SURVEY NO. 3740-SR-1; set 18 ins. in
	ground and surrounded with a substantial mound of earth
	and rock.
	The $\frac{1}{4}$ corner common to Sections 22 and 27; T. 4 N. R. 3 E.
	bears S. 41° 28' E. 663.40 ft.
	No other suitable bearings available.
	Thence S. 50° 32' W.
300.00	To Southeast End Center
	Identical with loc. mon. a substantial mound of stone.
394.00	Cross center of intersection of roads bearing N. NW & SE.
542.00	Cross center of 5 ft. wash course NW.
600.00	To Cor. No. 2
	Identical with loc. mon.
	A 3ft. $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap
	marked U.S. MINERAL SURVEY NO. 3740-SR-2; set 18 ins. in
	ground and surrounded with a substantial mound of earth
	and rock.
	Thence N. 50° 29' W.
455.00	Cross center of road bearing NE. and SW.
1136.90	To Cor. No. 3
	Identical with loc. mon. Cor. 2 Red Dog Wedge, and Cor. 3
	South Extension lodes both of this survey, previously
	described.
	Thence N. 50° 32' E.
	Along line 3-2 South Extension lode this survey.
112.00	Cross center of 5 ft. wash course NW.
152.00	Cross center of road bearing NW. and SE.
300.00	True Northwest End Center point, falls in center of road
	bearing E. & W. Identical with true Southeast End Center
	point of South Extension lode this survey. Witness end center, previously
	described, brs. N. 50° 32' E. 15 ft.
315.00	To Witness Northwest End Center
	Identical with loc. mon. and Witness Southeast End Center
	of South Extension lode, this survey, previously described.
600.00	To Cor. No. 4

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Feet Identical with loc. mon. and Cor. 2 South Extension lode this survey, previously described.

Thence S. 50° 29' E.

485.00 Cross center of road bearing E. and W.
 590.00 Cross center of road bearing NE. and SW.
 650.00 Cross center of road bearing N. and S.
 1136.90 To Cor. No. 1 the place of beginning.

Mary Ann Lode

Beginning at Cor. No. 1

Identical with loc. mon. and Cor. 1 Red Dog lode this survey, previously described.

The $\frac{1}{4}$ corner common to Sections 21 and 22; T. 4 N. R. 3 E. G&SRB&M. bears S. 3° 59' E. 237.80 ft.

Thence S. 50° 32' W.

Along line 1-4 Red Dog lode, this survey.

300.00 To Southeast End Center

Identical with loc. mon. and the Northwest End Center of Red Dog lode, this survey, previously described.

600.00 To Cor. No. 2

Identical with loc. mon. and Cor. 4 Red Dog lode, this survey, previously described.

On line 2-3 Union lode, Sur. No. 1139, whence Cor. 2 bears S. 37° 13' E. 694.50 ft.

Thence N. 22° 51' W.

480.00 Cross center of 5 ft. wash course W.
 500.00 Intersect SE. edge of mine dump.
 564.00 Intersect NW. edge of mine dump.
 994.00 Cross center of 5 ft. wash course SW.
 1224.78 To Cor. No. 3
 Identical with loc. mon. and Cor. 3 Golden Star lode of this survey.
 A 3ft. $\frac{1}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-MA-3-GS-3; set 18 ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available.

Thence N. 50° 32' E.

Feet	
300.00	To Northwest End Center Identical with loc. mon. a substantial mound of earth and rock.
583.00	To Cor. No. 4 Identical with loc. mon. A 3ft. $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-MA-4; set 20 ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available. Thence S. 23° 37' E.
107.00	Cross center of 5 ft. wash course SW.
447.30	Intersect line 1-2 Golden Star lode this survey, whence Cor. 2 bears S. 24° 59' W. 105.96 ft.
1010.00	Cross center of 5 ft. wash course SW.
1219.93	To Cor. No. 1 the place of beginning.
	<u>Golden Star Lode</u>
	Beginning at Cor. No. 1 Identical with loc. mon. A 3ft. $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-GS-1; set 16 ins. in ground and surrounded with a substantial mound of earth and rock. The corner common to Sections 15-16-21-22; T. 4 N. R. 3 E. G&SRB&M. bears N. 2° 45' W. 1006.38 ft. No other suitable bearings available. Thence S. 24° 59' W.
127.44	Intersect the section line common to Sections 21-22; T. 4 N. R. 3 E. whence the section corner bears N. 00° 17' E. 1120.75 ft. and the $\frac{1}{4}$ corner bears S. 00° 17' W. 1662.13 ft.
918.33	Intersect line 4-1 Mary Ann lode this survey, whence Cor. 4 bears N. 23° 37' W. 447.30 ft.
1024.29	To Cor. No. 2 Identical with loc. mon. A 3ft. $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-GS-2; set 18 ins. in ground and surrounded with a substantial mound of earth

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Feet No suitable bearings available.

270.00 Cross center of 5 ft. wash course SW.

300.00 To Southwest End Center

Identical with loc. mon. a substantial mound of earth and rock.

600.00 To Cor. No. 3

Identical with loc. mon. and Cor. 3 Mary Ann lode this survey, previously described.

1035.80 To Cor. No. 4

Identical with loc. mon.

A 3ft. $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3740-GS-4; set 20 ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available.

Thence S. 76° 58' E.

249.84 To Northeast End Center

Identical with loc. mon. a substantial mound of stone.

495.24 Intersect the section line common to Sections 21 & 22; T. 4 N. R. 3 E. whence the section corner bears N. 00° 17' E. 992.92 ft. and the $\frac{1}{4}$ section corner bears S. 00° 17' W. 1789.96 ft.

549.84 To Cor. No. 1 the place of beginning.

Mean Magnetic Variation at all corners 14° 35' E.

LODE LINES

As near as can be determined from present developments the veins of the several locations embraced in this claim extend as follows from their respective discovery points:

Red Dog lode, S. 37° 13' E. 580.0 ft. and N. 37° 13' W. 813.05 ft.

Red Dog Wedge lode, S. 23° 24' E. 230.0 ft. and N. 23° 24' W. 1140.96 ft.

South Extension lode, S. 49° 35' E. 285.0 ft. and N. 49° 35' W. 475.82 ft.

Santa Rosa lode, S. 50° 29' E. 804.90 ft. and N. 50° 29' W. 332.0 ft.

Mary Ann lode, S.22°51'E. 304.0 ft. and N.22°51'W. 920.78ft.
 Golden Star lode, N.24°59'E.388.0 ft. and S.24°59'W.636.29ft.

AREAS

Total area Red Dog lode; 18.816 Acres
 Total area Red Dog Wedge lode; 12.866
 Area in conflict with-
 Red Dog lode this survey; 4.217
 South Extension lode this survey 2.100
 Total area South Extension lode; 10.124
 Total area Santa Rosa lode; 15.371
 Total area Mary Ann lode; 15.936
 Area in conflict with-
 Golden Star lode. this survey; 3.593
 Total area Golden Star lode; 13.226

LOCATION

This survey is located in the E $\frac{1}{2}$ of Section 21; and the W $\frac{1}{2}$ of Section 22; T. 4 N. R. 3.E. G&SRB&M. in the Winifred Mining District, Maricopa County, Arizona.

EXPENDITURE OF FIVE HUNDRED DOLLARS

I certify that the value of the labor and improvements made upon, or for the benefit of, each of the locations embraced in said mining claim by the claimant or his grantors is not less than Five Hundred Dollars, and that said improvements consist of:

Red Dog Lode

No.1 Dis. cut and shaft 4x6x25 ft. deep with cut 4x12x4 ft. extending to E. from shaft. bears N.37°13'W. 580.0 ft. from the Southeast End Center.

Value \$ 310.00

No.2 shaft 4x6x6 ft. deep bears N.7°48'W. 646 ft. from Cor. No. 3.

Value \$ 60.00

No.3 shaft 4x8x6 ft. deep bears N.11°13'E. 344 ft. from Cor. No. 3.

Value \$ 60.00

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No.4 shaft 4x6x118 ft. deep bears N.13°27'W. 424.0 ft. from Cor. No. 3.	Value	\$ 1180.00
No.5 shaft 4x6x6 ft. deep bears N.26°25'W. 265.0 ft. from Cor. No. 3.	Value	\$ 60.00
No.6 open trench 3x4x60 ft. long course NW. and SE. bears S.64°02'E. 612.0 ft. from Cor. No.4.	Value	\$ 200.00
No.7 shaft 5x6x6 ft. deep bears S.59°53'E. 740.0 ft. from Cor. No. 4.	Value	\$ 60.00
No.8 shaft 4x6x40 ft. deep with open trench 2x2x50 ft. long running to and connecting with No.9 shaft, bears S.56°41'E. 820.0 ft. from Cor. No. 4.	Value	\$ 425.00
No.9 shaft 5x7x25 ft. deep bears S.55°13'E. 752.0 ft. from Cor. No. 4.	Value	\$ 250.00
No.10 shaft 4x6x8 ft. deep bears S.55°13'E. 681.0ft. from Cor. No.4.	Value	\$ 80.00
No.11 shaft 4x6x7 ft. deep with adjoining cut 3x4x15 ft long on E. bears S.53°25'E. 712.0 ft. from Cor. No. 4.	Value	\$ 145.00
No.12 shaft 5x7x25 ft. deep bears S.53°25'E. 700.0 ft. from Cor. No. 4.	Value	\$ 250.00
No.13 shaft 5x7x7 ft. deep with adjoining cut 3x5x17 ft. long on W. bears S.52°22'E. 671.0 ft. from Cor. No.4.	Value	\$ 155.00
No.14 shaft 4x6x40 ft. deep bears S.49°40'E. 638.0 ft. from Cor. No. 4.	Value	\$ 400.00
No. 15 shaft 5x7x20 ft. deep bears S.46°55'E. 660.0 ft. from Cor. No. 4.	Value	\$ 200.00
No. 16 shaft 4x6x4 ft. deep bears S.46°55'E. 690.0 ft. from Cor. No. 4.	Value	\$ 40.00
No.17 shaft 4x6x54 ft. deep bears S.46°55'E. 743.0 ft. from		

Cor. No. 4.	Value	\$ 540.00
No.18 shaft 4x7x10 ft. deep bears S.46°55'E. 769.0 ft. from Cor. No. 4.		
	Value	\$ 100.00
No.19 shaft 4x6x6 ft. deep bears S.42°42'W. 129.0 ft. from the Northwest End Center.		
	Value	\$ 60.00
No. 20 shaft 4x6x8 ft. deep bears S.42°42'W. 20.0 ft. from the Northwest End Center.		
	Value	\$ 80.00
Red Dog Wedge		
No.1 Dis. point, an outcropping ledge in place bears N.23°24'W. 230.0 ft. from the Southeast End Center.		
No.2 shaft 4x6x11 ft. deep bears N.35°30'W. 252.0 ft. from the Southeast End Center.		
	Value	\$ 110.00
No.3 shaft 4x6x7 ft. deep bears N.22°05'W. 858.0 ft. from Cor. No. 3.		
	Value	\$ 70.00
No.4 shaft 5x8x7 ft. deep bears N.20°35'W. 874.0 ft. from Cor. No.3.		
	Value	\$ 70.00
No.5 shaft 4x6x14 ft. deep bears N.19°30'W. 933.0 ft. from Cor. No. 3.		
	Value	\$ 140.00
No.6 shaft 4x6x10 ft. deep bears S.29°50'E. 295.0 ft. from Cor. No. 4.		
	Value	\$ 100.00
No.7 shaft 4x6x10 ft. deep bears S.35°15'E. 260.0 ft. from Cor. No.4 .		
	Value	\$ 100.00
South Extension Lode		
No.1 Dis. shaft 4x6x8 ft. deep bears N.49°35'W. 285.0 ft. from the Southeast End Center point.		
	Value	\$ 80.00
No.2 shaft 4x6x10 ft. deep bears N.48°26'W. 350.0 ft. from the Southeast End Center point.		
	Value	\$ 100.00
No.3 shaft 4x6x4 ft. deep bears N.55°03'W. 500.0 ft. from the Southeast End Center point.		
	Value	\$ 40.00
No.4 shaft 4x6x6 ft. deep bears N.59°40'W. 362.0 ft. from the Southeast End Center point.		
	Value	\$ 60.00

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No.5 shaft 6x8x5 ft. deep bears N.68°05'W. 396.0 ft. from the Southeast End Center point.	Value \$ 50.00
No.6 shaft 4x6x18 ft. deep bears N.78°13'W. 390.0 ft. from the Southeast End Center point.	Value \$ 180.00
No.7 shaft 6x8x5 ft. deep bears N.79°58'W. 368.0 ft. from the Southeast End Center point.	Value \$ 50.00
No.8 shaft 6x8x12 ft. deep bears N.83°11'W. 306 ft. from the Southeast End Center point.	Value \$ 120.00
No.9 shaft 5x6x40 ft. deep bears N.78°12'E. 407.0 ft. from Cor. No.4.	Value \$ 400.00
No.10 shaft 4x6x4 ft. deep bears N.81°47'E. 427.0 ft. from Cor. No. 4.	Value \$ 40.00
No.11 shaft 6x8x4 ft. deep bears S.79°16'E. 224.0 ft. from Cor. No. 4.	Value \$ 40.00
No.12 shaft 6x8x20 ft. deep bears S.74°28'E. 208.0 ft. from Cor. No.4.	Value \$ 200.00
Santa Rosa Lode	
No.1 Dis. cut 1½x12x1½ ft. bears NE. and SW. bears S.50°29'E. 332.0 ft. from the Northwest End Center point.	Value \$ 30.00
No.2 shaft 6x6x8 ft. deep bears S.49°20'W. 128.0 ft. from the Northwest End Center point.	Value \$ 80.00
No.3 shaft 6x8x9 ft. deep bears S.33°53'W. 124.0 ft. from the Northwest End Center point.	Value \$ 90.00
No.4 shaft 6x6x30 ft. deep with drift from bottom 4x6x10 ft. long running to SE. caved; bears S.6°05'W. 141.0 ft. from the Northwest End Center point.	Value \$ 400.00
No.5 shaft 4x5x5 ft. deep bears S.4°55'E. 257.0 ft. from the Northwest End Center point.	Value \$ 50.00
No.6 shaft 4x8x10 ft. deep bears S.16°11'E. 200.0 ft. from the Northwest End Center point.	Value \$ 100.00

No.7 shaft 4x6x60 ft. deep, at 30ft.depth a cross-cut running to N. 4x6x20 ft. long caved. bears S.30°02'E. 288 ft. from the Northwest End Center point.	Value	\$ 800.00
No.8 shaft 5x5x6 ft. deep, bears S.36°37'E. 315.0 ft. from the Northwest End Center point.	Value	\$ 60.00
No.9 shaft 5x7x5 ft. deep bears S.41°38'E. 271.0 ft. from the Northwest End Center point.	Value	\$ 50.00
No.10 shaft 4x6x9 ft. deep bears S.39°35'E. 440.0 ft. from the Northwest End Center point.	Value	\$ 90.00
No.11 open trench 3x3x40 ft. long running to SW. bears S.46°00'E. 364.0 ft. from the Northwest End Center point.	Value	\$ 200.00
Mary Ann Lode		
No.1 Dis. shaft 4x6x3 ft. deep bears N.22°51'W.304.0 ft. from the Southeast End Center.	Value	\$ 30.00
No.2 shaft 4x6x4 ft. deep bears N.27°37'E. 307.0 ft. from the Southeast End Center.	Value	\$ 40.00
No.3 shaft 4x5x4 ft. deep bears N.5°12'E. 286.0 ft. from the Southeast End Center.	Value	\$ 40.00
No.4 shaft 4x6x7 ft. deep bears N.33°53'W. 259.0 ft. from the Southeast End Center.	Value	\$ 70.00
No.5 shaft 7x8x10 ft. deep bears N.45°58'W. 285.0 ft. from the Southeast End Center.	Value	\$ 100.00
No.6 shaft 7x8x8 ft. deep bears N.46°38'W. 307.0 ft. from the Southeast End Center.	Value	\$ 80.00
No.7 shaft 4x6x8 ft. deep bears N.48°48'W. 200.0 ft. from the Southeast End Center.	Value	\$ 80.00
No.8 shaft 4x6x10 ft. deep bears S.73°32'E. 292.ft. from Cor. No. 3.	Value	\$ 100.00
No.9 shaft 4x6x12 ft. deep bears S.63°30'E. 613.0 ft. from Cor. No. 3.	Value	\$ 120.00

No.10 shaft 4x7x6 ft. deep bears S.61°04'E.665.0 ft. from
 Cor. No. 3. Value \$ 60.00

No.11 shaft 4x5x10 ft. deep bears S.40°25'E. 369.0ft. from
 Cor. No. 3. Value \$ 100.00

Golden Star Lode

No.1 Dis. trench 2x2x175 ft. long whose course is NE. and
 SW. bears S.24°59'W. 388.0 ft. from the Northeast End
 Center. Value \$ 200.00

No.2 shaft 4x6x10 ft. deep bears N.9°07'E. 55.0 ft. from
 the Southwest End Center. Value \$ 100.00

No.3 shaft 5x7x9 ft. deep bears N.9°07'E. 75.0 ft. from
 the Southwest End Center. Value \$ 90.00

No.4 shaft 5x6x6 ft. deep bears N.10°37'E. 160.0 ft. from
 the Southwest End Center. Value \$ 60.00

No.5. shaft 4x6x7 ft. deep bears N.16°25'E. 238.0 ft. from
 the Southwest End Center. Value \$ 70.00

No.6 shaft 7x7x7 ft. deep bears S.28°17'W.118.0 ft. from
 the 496.53 ft. point on lode line from the SW.E.C.
 Value \$ 70.00

No.7 shaft 3x5x9 ft. deep with open trench 2x3x40 ft. long
 running toward No.6 shaft; bears S.47°12'W. 95.0ft. from
 the 496.53 ft. point on lode line from the SW.E.C.
 Value \$ 130.00

No.8 shaft 6x6x28 ft. deep bears S.52°17'W. 86.0 ft. from
 the 496.53 ft. point on lode line from the SW.E.C.
 Value \$ 280.00

No.9 shaft 5x6x10 ft. deep bears N.86°05'W. 75.0 ft. from
 the 496.53 ft. point on lode line from the SW.E.C.
 Value \$ 100.00

No.10 shaft 4x6x35 ft. deep bears N.65°03'W. 65.0 ft. from
 the 496.53 ft. point on lode line from the SW.E.C.
 Value \$ 350.00

No.11 shaft 6x8x40 ft. deep with drift at 10 ft. level run-
 ning to NE. 4x6x10 ft. long, and drift at 25ft. level run-
 ning to NW 4x6x35 ft. long and connecting with No.13 shaft
 bears N.54°53'W. 53.0ft. from the 496.53 ft. point on lode
 line from the SW.E.C. Value \$ 850.00

No.12 shaft 6x8x7 ft. deep in mouth of cut 30x30x12 ft. face in which a tunnel 4x6x10^{ft} runs N. bears N.54°53'W. 184.0 ft. from the 496.53 ft. point on lode line from the SW.E.C. Value \$ 770.00

No.13 shaft 4x6x50 ft. deep bears N.48°49'W. 85.0ft. from the 496.53 ft. point on lode line from SW.E.C.. Value \$ 500.00

No.14 cut 5x30x6 ft. faces SE. the mouth of, which bears N.24°33'W. 73.0ft. from the 496.53ft. point on lode line from the SW.E.C. Value \$ 150.00

No.15. shaft 6x7x16 ft. deep bears N.2°28'W. 155.0ft. from the 496.53ft. point on lode line from the SW.E.C. Value \$ 160.00

No.16 shaft 7x8x14 ft. deep with No.1 open trench running to SW. bears N.30°57'E. 202.0ft. from the 496.53 ft. point on lode line from SW.E.C.. Value \$ 140.00

No.17 shaft 5x7x7 ft. deep bears N.34°07'E. 235.0 ft. from the 496.53 ft. point on lode line from SW.E.C. Value \$ 70.00

insert "Other Imps" page 17

INSTRUMENT

This survey was made with a W. & L.E.Gurley light mountain transit. The courses were deflected from a true meridian determined by direct solar observations and checked with Burt solar attachment. The distances were measured with 50 ft. and 660 ft. steel tapes.

REPORT

The lines of this claim were run directly upon the ground and the corners established by measurements upon these lines. The tie lines were run directly upon the ground. The corner common to Sections 15-16-21~~22~~; T. 4 N. R. 3 E. to which this survey is tied, also the $\frac{1}{4}$ corner common to Sections 22 and 27; T. 4 N. R. 3 E. to which this survey is tied are granite stones set in the ground and properly marked. The $\frac{1}{4}$ corner common to Sections 21 and 22; and the corner common to Sections 21-22-27~~28~~; T. 4 N. R. 3 E. I

-17-

found to have been probably destroyed as I only found a mound of stone with a large granite stone set loosely in the mound, without identification marks of any kind, I reset these stones firmly in the ground and made ties to them as given in these notes, as their position checked approximately with ties given in the field notes of Sur. No. 1139 and 1906.

I failed to find Cor. 3 Union lode Sur.No.1139 in place the only evidence of a corner being a mound of loose stone the center of which I took as the corner point.

Cor.1 of the Kruger lode Sur.No.1906 I found to be a granite stone properly set and marked. I do not agree with the tie from said Kruger lode, to U.S.M.M. No. 1139.

Henry Jones
U.S. Mineral Surveyor.

insert after imp.

OTHER IMPROVEMENTS.

On the Red Dog Wedge lode, a frame house, 18 x 20 ft. brs. S. 27° 45' E. 361 ft. from Cor. No. 4, and an arrastre 10 ft. in diameter, brs. N. 85° 30' E. 121ft. from Cor. No. 4.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Harry E. Jones,
 United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and
 boundaries described in the foregoing field notes of the survey of the mining claim of Wm. E. Williams,
Red Dog; Red Dog Wedge; South Extension; Santa Rosa; Mary Ann;
 known as the ~~and Golden Star lodes.~~
 and showing the respective capacities in which they acted.

J. L. Jones, , *Chainman.*
J. D. Hyde, , *Chainman.*
 , *Arman.*
 , *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, J. L. Jones,
 and J. D. Hyde, , do solemnly swear that we assisted
Harry E. Jones , United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Wm. E. Williams,
 known as the Red Dog; Red Dog Wedge; South Extension; Santa Rosa; Mary Ann;
~~and Golden Star lodes.~~
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his
 direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-
 tions furnished by the United States Surveyor-General for Arizona.

J. L. Jones , *Chainman.*
J. D. Hyde , *Chainman.*
 , *Arman.*
 , *Flagman.*

Subscribed and sworn to by the above-named persons before me this 3rd.
 day of February , 1921.

Ralph A. Phillips

 Notary Public.

4-686.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Harry E. Jones, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated January 20th 1921, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Wm. E. Williams, known as the Red Dog; Red Dog Wedge; South Extension; Santa Rosa; Mary Ann and Golden Star lodes, situate in Winifred Mining District, Maricopa County, Arizona, in Sections 21 and 22, Township No. 4 N., Range No. 3 E. G&SRB&M. and designated as Survey No. 3740, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or his grantors are as therein fully stated, and 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.

Harry E. Jones
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Harry E. Jones
U. S. Mineral Surveyor, before me a Notary Public in and for Maricopa
County, State of Arizona. this 3rd.
day of February, 19 21.

Ralph A. Phillips

Notary Public.

6-1044

My commission expires June 23rd. 1923.

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

April 20, 1921

I, U. S. Surveyor-General for District of Arizona.

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

Wm. E. Williams

known as the RED DOG, RED DOG WEDGE, SOUTH EXTENSION, SANTA ROSA, MARY ANN, and GOLDEN STAR Lodes

situate in Winifred

Mining District, Maricopa County, Arizona

in Section 21 & 22, Township No. 4 N, Range No. 3 E. and

designated as Survey No. 3740, has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimant or his grantors, and that said improvements consist of 72 shafts, 6 trenches, 5 cuts, 3 drifts, 1 crosscut and 1 tunnel, total value \$13,465.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix,

Arizona, is correct and in conformity with the foregoing Field Notes.

Frank P. Trott

United States Surveyor-General for Arizona.

SURVEYOR GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES
AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR
OFFICE OF U. S. SURVEYOR GENERAL

..... Phoenix, Arizona,

..... April 20, 19 21

I, U. S. Surveyor General for District of Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of

..... Wm. E. Williams

....., known as the

RED DOG, RED DOG WEDGE, SOUTH EXTENSION, SANTA ROSA, MARY ANN, and
GOLDEN STAR Lodes

situate in Winifred mining district,

..... Maricopa County, Arizona

in Sections 21 & 22, Township No. 4 N., Range No. 3 E.

....., designated as Survey No. 3740

executed by Harry E. Jones, U. S. Mineral

Surveyor, January 27 - February 2, 19 21, under my instructions dated

..... January 20, 1921, have been critically examined and the necessary cor-

rections 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

on file in this office and a true copy of said certified copy of said location certificate is included and made

a part of the transcript of the field notes.



U. S. Surveyor General for Arizona