

Form 3400-11  
(September 1967)  
(formerly 4-683)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Mineral Survey number  
4726

State  
Arizona

Land District  
Arizona

FIELD NOTES

Of the Survey of the Mining Claim of *(name and address of Claimant)*

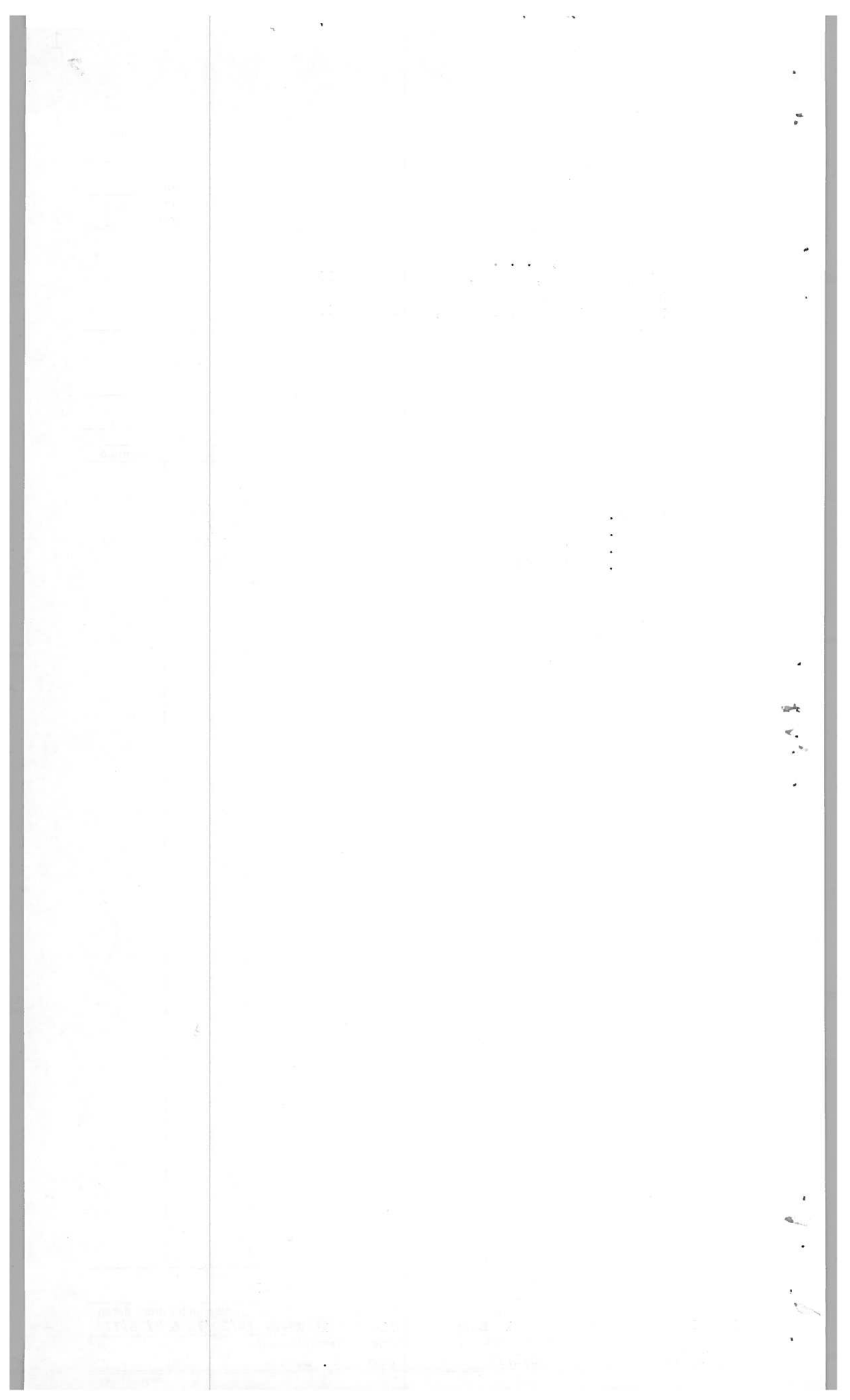
Exxon Company, U.S.A.  
c/o Law Offices, Twitty, Sievwright & Mills  
1905 Townehouse Tower  
100 West Clarendon, Phoenix, Arizona 85013

Known as the *(name of group, if any)*

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Raven No. 3	9/6/67	
Raven No. 7	9/6/67	
Raven No. 28 Fraction	9/8/67	
Raven No. 29 Fraction	9/8/67	

Mining district Bunker Hill			County Pinal	
Section 13 & 14	Township 8 South	Range 18 East	Meridian Gila & Salt River	Survey under order dated 6/30/72 & 2/28/77
Survey commenced 7/15/72		Survey completed 3/1/77	Name of Mineral Surveyor Harvey W. Smith	



FEET

This survey was made with a Swiss Kern theodolite, Model DKM 1, No. 77769, having horizontal and vertical circles, 50 mm. in diam. The circles are graduated in degrees and 20-minute increments. An optical micrometer, adjustable to the vertical and horizontal circles, permits the reading of angles direct to 10-second accuracy and estimating to 1-second accuracy. 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 horizontal-angles-right referred to the meridian determined by the following observation:

October 5, 1973, at Cor. No. 4 of the Raven No. 28 Fraction lode, in latitude  $32^{\circ} 44' 15''$  N., and longitude  $110^{\circ} 28'$  W., elevation 4,545 ft. above sea level, and temperature  $60^{\circ}$  F., make a series of six altitude observations on 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 a reference point about 500 ft. southwesterly SE. to the sun.

Mean time of observation,  
105th meridian standard  
time =  $9^{\text{h}} 25^{\text{m}}$  a.m.

Declination of sun at mean  
time of observation =  $4^{\circ} 51' 22.5''$  S.

Mean observed vertical angle  
to sun's center =  $31^{\circ} 30'$

Mean horizontal angle from  
reference point to sun's  
center =  $226^{\circ} 54'$  S-W.

True bearing of reference point = S.  $73^{\circ} 52' 30''$  W.

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot for 299 ft. and the remaining foot graduated to tenths and hundredths; the tape was compared to an Invar standard tape at the beginning of the survey, and found to be 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  $14^{\circ}$  E.

Mineral Survey No. 4726

RAVEN NO. 29 FRACTION LODE

At Cor. No. 1 of the Raven No. 29 Fraction lode, identical with Cor. No. 1 of the Raven No. 7 lode of this survey.

FEET		
	<p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 29 F. 1 R. 7 1 U.S.M.S. 4726; from which</p> <p>The 1/4 sec. cor. of secs. 13 and 14, T. 8 S., R. 18 E., G&amp;SRM, bears S. 45° 53' 25" E., 441.07 ft. dist.; monumented with an iron post, 1 in. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd.</p> <p>Cor. No. 1 M.S. No. 4179 Jewel lode, identical with Cor. No. 2 M.S. No. 3564 GEM lode, bears S. 3° 57' 53" E., 567.96 ft. dist.</p> <p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 0° 10' W.</p>	
300.00	Lode line; discovery point bears N. 89° 50' E., 290 ft. dist.	
600.00	Cor. No. 2.	
	<p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 29 F. 2 U.S.M.S. 4726; from which</p> <p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 89° 50' E.</p>	
316.62	Intersect the line between secs. 13 and 14 at a point from which the 1/4 sec. cor. of secs. 13 and 14 bears S. 0° 06' 53" E., 907.92 ft. dist.; heretofore described. Enter patented land.	
345.33	Intersect line 4-1 M.S. No. 4179 Jewel lode, common with line 2-3 M.S. No. 3564 GEM lode, at a point from which Cor. No. 1 of the Jewel lode, identical with Cor. No. 2 of the GEM lode, bears S. 14° 36' 30" W., 1,206.60 ft. dist.	
1,488.80	Cor. No. 3.	
	<p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 29 F. 3 U.S.M.S. 4726; from which</p>	

FEET	
	<p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 0° 10' E.</p>
300.00	Lode line; discovery point bears S. 89° 50' W., 1,198.80 ft. dist.
600.00	<p>Cor. No. 4, identical with Cor. No. 2 of the Raven No. 7 lode of this survey.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 29 F. 4 R. 7 2 U.S.M.S. 4726; from which</p> <p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 89° 50' W.</p>
1,172.72	Intersect the line between secs. 13 and 14 at a point from which the 1/4 sec. cor. of secs. 13 and 14 bears S. 0° 06' 53" E., 307.92 ft. dist.; heretofore described. Leave patented land.
1,301.71	Intersect line 4-1 M.S. No. 4179 Jewel lode, common with line 2-3 M.S. No. 3564 GEM lode, at a point from which Cor. No. 1 of the Jewel lode, identical with Cor. No. 2 of the GEM lode, bears S. 14° 36' 30" W., 586.08 ft. dist.
1,488.80	Cor. No. 1, and place of beginning.
	<p><b>RAVEN NO. 7 LODGE</b></p>
	<p>Beginning at Cor. No. 1 of the Raven No. 7 lode, identical with Cor. No. 1 of the Raven No. 29 Fraction lode of this survey.</p> <p>Thence N. 89° 50' E.</p>
187.09	Intersect line 4-1 M.S. No. 4179 Jewel lode, common with line 2-3 M.S. No. 3564 GEM lode, at a point from which Cor. No. 1 of the Jewel lode, identical with Cor. No. 2 of the GEM lode, bears S. 14° 36' 30" W., 586.08 ft. dist.
316.08	Intersect the line between secs. 13 and 14 at a point from which the 1/4 sec. cor. of secs. 13 and 14 bears S. 0° 06' 53" E., 307.92 ft. dist.; heretofore described. Enter patented land.
1,488.80	Cor. No. 2, identical with Cor. No. 4 of the Raven No. 29 Fraction lode of this survey.

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FEET	
	Thence S. 0° 10' E.
300.00	Lode line; discovery point bears S. 89° 50' W., 1,238.80 ft. dist.
313.72	Intersect the calculated East-West center line of sec. 13, T. 8 S., R. 18 E., G&SRM, at a point from which the 1/4 sec. cor. of secs. 13 and 14 bears N. 89° 53' W., 1,173.02 ft. dist.; heretofore described. Leave patented land.
600.00	<p>Cor. No. 3.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 7 3 U.S.M.S. 4726; from which</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p>
1,488.80	<p style="text-align: center;">Thence S. 89° 50' W.</p> <p>Cor. No. 4, identical with Cor. No. 1 of the Raven No. 3 lode, on line 4-1 Raven No. 28 Fraction lode, both of this survey.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 7 4 R. 3 1 U.S.M.S. 4726; from which</p> <p style="padding-left: 40px;">The 1/4 sec. cor. of secs. 13 and 14 bears N. 47° 04' 05" E., 430.16 ft. dist.; heretofore described.</p> <p style="padding-left: 40px;">Cor. No. 1 M.S. No. 4179 Jewel lode, identical with Cor. No. 2 M.S. No. 3564 GEM lode, bears N. 48° 19' 10" E., 50.24 ft. dist.</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p>
43.23	<p style="text-align: center;">Thence N. 0° 10' W.</p> <p>Intersect line 1-2 M.S. No. 4179 Jewel lode, common with line 1-2 M.S. No. 3564 GEM lode, at a point from which Cor. No. 1 of the Jewel lode, identical with Cor. No. 2 of the GEM lode, bears S. 75° 23' 10" E., 38.91 ft. dist.</p>
300.00	Lode line; discovery point bears N. 89° 50' E., 250.0 ft. dist.

FEET	
341.44	Cor. No. 4 Raven No. 28 Fraction lode of this survey.
600.00	Cor. No. 1, and place of beginning.
<p><b>RAVEN NO. 28 FRACTION LODGE</b></p> <p>At Cor. No. 1 of the Raven No. 28 Fraction lode, on line 1-2 Raven No. 3 lode of this survey.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 28 F. 1 U.S.M.S. 4726; from which</p> <p style="padding-left: 40px;">The 1/4 sec. cor. of secs. 13 and 14 bears N. 29° 40'05" E., 634.77 ft. dist.; heretofore described.</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="padding-left: 40px;">Thence S. 89° 50' W.</p>	
883.92	Intersect line 1-2 M.S. No. 4179 Deep lode, common with line 2-3 M.S. No. 3564 OVERSIGHT lode, at a point from which Cor. No. 2 of the Deep lode, identical with Cor. No. 2 of the OVERSIGHT lode, Cor. No. 3 M.S. No. 4179 Iron Duke lode and Cor. No. 3 M.S. No. 3564 WELLINGTON lode, bears S. 2° 13'01" W., 297.87 ft. dist.
1,484.86	Intersect line 3-4 M.S. No. 4179 Deep lode, common with line 4-1 M.S. No. 3564 OVERSIGHT lode and common with line 2-3 M.S. No. 4179 Lucky Joe lode, at a point from which Cor. No. 3 of the Deep lode, identical with Cor. No. 1 of the OVERSIGHT lode, Cor. No. 2 M.S. No. 4179 Iron Duke lode and Cor. No. 4 M.S. No. 3564 WELLINGTON lode, bears S. 2° 14'20" W., 272.42 ft. dist. and Cor. No. 3 M.S. No. 4179 Lucky Joe lode bears S. 2° 14'20" W., 28.71 ft. dist.
1,500.00	Cor. No. 2, on line 3-4 Raven No. 3 lode of this survey.
	<p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 28 F. 2 U.S.M.S. 4726; from which</p> <p style="padding-left: 40px;">Cor. No. 3 M.S. No. 4179 Lucky Joe lode bears S. 26° 06'15" E., 31.85 ft. dist.</p> <p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, stands adjacent to the iron post.</p>

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FEET		
	<p>No local bearing objects or bearing trees available.</p> <p>Thence N. 0° 10' W.</p>	
258.56	Cor. No. 4 Raven No. 3 lode of this survey.	
300.00	Lode line; discovery point bears N. 89° 50' E., 1,400.0 ft. dist.	
600.00	<p>Cor. No. 3.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 28 F. 3 U.S.M.S. 4726; from which</p> <p>Cor. No. 2 M.S. No. 4179 Mineral Reef lode, identical with Cor. No. 1 M.S. No. 3564 Silver Reef Mine lode, bears S. 44° 15' 25" E., 771.36 ft. dist.</p> <p>Cor. No. 2 M.S. No. 4179 Deep lode, identical with Cor. No. 2 M.S. No. 3564 OVERSIGHT lode, Cor. No. 3 M.S. No. 4179 Iron Duke lode and Cor. No. 3 M.S. No. 3564 WELLINGTON lode, bears S. 34° 05' 22" E., 1,081.74 ft. dist.</p> <p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, stands adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 89° 50' E.</p>	
40.35	<p>Intersect line 2-3 M.S. No. 4179 Lucky Joe lode, common with line 3-4 M.S. No. 4179 Deep lode and line 4-1 M.S. No. 3564 OVERSIGHT lode, at a point from which Cor. No. 3 of the Lucky Joe lode bears S. 2° 14' 20" W., 629.24 ft. dist. and Cor. No. 3 of the Deep lode, identical with Cor. No. 1 of the OVERSIGHT lode, Cor. No. 2 M.S. No. 4179 Iron Duke lode and Cor. No. 4 M.S. No. 3564 WELLINGTON lode, bears S. 2° 14' 20" W., 872.95 ft. dist.</p>	
574.34	<p>Intersect line 2-3 M.S. No. 4179 Mineral Reef lode, common with line 4-1 M.S. No. 3564 Silver Reef Mine lode, at a point from which Cor. No. 2 of the Mineral Reef lode, identical with Cor. No. 1 of the Silver Reef Mine lode, bears S. 3° 43' 10" W., 555.30 ft. dist.</p>	
641.05	<p>Intersect line 1-2 M.S. No. 4179 Deep lode, common with line 2-3 M.S. No. 3564 OVERSIGHT lode, at a point from which Cor. No. 2 of the Deep lode, identical with Cor. No. 2 of the OVERSIGHT lode, Cor. No. 3 M.S. No. 4179 Iron Duke lode and Cor. No. 3 M.S. No. 3564 WELLINGTON lode, bears</p>	



FEET		
	S. 2°13'01" W., 898.38 ft. dist.	
998.47	Intersect line 2-3 M.S. No. 4179 Jewel lode, common with line 4-1 M.S. No. 3564 GEM lode, at a point from which Cor. No. 2 of the Jewel lode, identical with Cor. No. 1 of the GEM lode, bears S. 14°35'45" W., 160.40 ft. dist.	
1,175.34	Intersect line 4-1 M.S. No. 4179 Mineral Reef lode, common with line 2-3 M.S. No. 3564 Silver Reef Mine lode, at a point from which Cor. No. 1 of the Mineral Reef lode, identical with Cor. No. 2 of the Silver Reef Mine lode, bears S. 3°40'45" W., 595.90 ft. dist.	
1,500.00	Cor. No. 4, on line 4-1 Raven No. 7 lode of this survey.  Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 28 F. 4 U.S.M.S. 4726; from which  Cor. No. 2 M.S. No. 4179 Jewel lode, identical with Cor. No. 1 M.S. No. 3564 GEM lode, bears S. 73°52'30" W., 564.14 ft. dist.  A wood post, 4 x 4 ins. in size, 4 ft. above ground, stands adjacent to the iron post.  No local bearing objects or bearing trees available.  Thence S. 0°10' E.	
298.21	Intersect line 1-2 M.S. No. 4179 Jewel lode, common with line 1-2 M.S. No. 3564 GEM lode, at a point from which Cor. No. 2 of the Jewel lode, identical with Cor. No. 1 of the GEM lode, bears N. 75°23'10" W., 560.96 ft. dist.	
300.0	Lode line; discovery point bears S. 89°50' W., 100 ft. dist.	
341.44	Cor. No. 4 Raven No. 7 lode, identical with Cor. No. 1 of the Raven No. 3 lode, both of this survey.	
600.0	Cor. No. 1, and place of beginning.	
	RAVEN NO. 3 LODE	
	Beginning at Cor. No. 1 of the Raven No. 3 lode, identical with Cor. No. 4 of the Raven No. 7 lode and on line 4-1 Raven No. 28 Fraction lode, both of this survey.  Thence S. 0°10' E.	

FEET	
258.56	Cor. No. 1 Raven No. 28 Fraction lode of this survey.
300.00	Lode line; discovery point bears S. 89°50' W., 50 ft. dist.
600.00	<p>Cor. No. 2.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 3 2 U.S.M.S. 4726; from which</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins. in size, 4 ft. above ground, stands adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence S. 89°50' W.</p>
898.13	Intersect line 3-4 M.S. No. 4179 Iron Duke lode, common with line 2-3 M.S. No. 3564 WELLINGTON lode, at a point from which Cor. No. 3 of the Iron Duke lode, identical with Cor. No. 3 of the WELLINGTON lode, Cor. No. 2 M.S. No. 4179 Deep lode and Cor. No. 2 Sur. No. 3564 OVERSIGHT lode, bears N. 2°13' E., 43.87 ft. dist.
1,339.05	Intersect line 3-4 M.S. No. 4179 Four Metals lode, common with line 3-4 M.S. No. 3564 Carbonate Mine lode, at a point from which Cor. No. 3 of the Four Metals lode, identical with Cor. No. 3 of the Carbonate Mine lode, bears N. 2°13' E., 306.84 ft. dist.
1,499.17	Intersect line 1-2 M.S. No. 4179 Iron Duke lode, common with line 4-1 M.S. No. 3564 WELLINGTON lode, at a point from which Cor. No. 2 of the Iron Duke lode, identical with Cor. No. 4 of the WELLINGTON lode, Cor. No. 3 M.S. No. 4179 Deep lode and Cor. No. 1 M.S. No. 3564 OVERSIGHT lode, bears N. 2°13' E., 69.32 ft. dist.
1,500.00	<p>Cor. No. 3.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 3 3 U.S.M.S. 4726; from which</p> <p style="padding-left: 40px;">Cor. No. 3 M.S. No. 4179 Four Metals lode, identical with Cor. No. 3 M.S. No. 3564 Carbonate Mine lode, bears N. 29°22'10" E, 352.37 ft. dist.</p> <p style="padding-left: 40px;">Cor. No. 2 M.S. No. 4179 Iron Duke lode, identical with Cor. No. 4 M.S. No. 3564 WELLINGTON lode, Cor. No. 3 M.S. No. 4179 Deep lode and Cor. No. 1 M.S. No.</p>

FEET		
	<p>3564 OVERSIGHT lode, bears N. 2° 53' 55" E., 69.36 ft. dist.</p> <p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, stands adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 0° 10' W.</p>	
300.00	Lode line; discovery point bears N. 89° 50' E., 1,450.0 ft. dist.	
313.34	Intersect line 2-3 M.S. No. 4179 Four Metals lode, common with line 2-3 M.S. No. 3564 Carbonate Mine lode and common with line 3-4 M.S. No. 4179 Lucky Joe lode at a point from which Cor. No. 3 of the Four Metals lode, identical with Cor. No. 3 of the Carbonate Mine lode, bears S. 87° 47' E., 173.84 ft. dist. and Cor. No. 3 of the Lucky Joe lode bears S. 87° 47' E., 13.95 ft. dist.	
341.44	Cor. No. 2 Raven No. 28 Fraction lode of this survey.	
600.00	<p>Cor. No. 4.</p> <p>Set an iron post, 24 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X R. 3 4 U.S.M.S. 4726; from which</p> <p>Cor. No. 3 M.S. No. 4179 Lucky Joe lode bears S. 2° 56' 40" E., 287.58 ft. dist.</p> <p>Cor. No. 2 M.S. No. 4179 Mineral Reef lode, identical with Cor. No. 1 M.S. No. 3564 Silver Reef Mine lode, bears S. 68° 33' 30" E., 577.28 ft. dist.</p> <p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, stands adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 89° 50' E.</p>	
26.00	Intersect line 2-3 M.S. No. 4179 Lucky Joe lode, common with line 3-4 M.S. No. 4179 Deep lode which is common with line 4-1 M.S. No. 3564 OVERSIGHT lode, at a point from which Cor. No. 3 of the Lucky Joe lode bears S. 2° 14' 20" W., 287.50 ft. dist. and Cor. No. 3 of the Deep lode, identical with Cor. No. 1 of the OVERSIGHT lode, bears S. 2° 14' 20" W., 531.21 ft. dist.	

FEET	
551.15	Intersect line 2-3 M.S. No. 4179 Mineral Reef lode, common with line 4-1 M.S. No. 3564 Silver Reef Mine lode, at a point from which Cor. No. 2 of the Mineral Reef lode, identical with Cor. No. 1 of the Silver Reef Mine lode, bears S. 3° 43' 10" W., 213.07 ft. dist.
626.84	Intersect line 1-2 M.S. No. 4179 Deep lode, common with line 2-3 M.S. No. 3564 OVERSIGHT lode, at a point from which Cor. No. 2 of the Deep lode, identical with Cor. No. 2 of the OVERSIGHT lode, Cor. No. 3 M.S. No. 4179 Iron Duke lode and Cor. No. 3 M.S. No. 3564 WELLINGTON lode, bears S. 2° 13' 01" W., 556.65 ft. dist.
1,152.39	Intersect line 4-1 M.S. No. 4179 Mineral Reef lode, common with line 2-3 M.S. No. 3564 Silver Reef Mine lode, at a point from which Cor. No. 1 of the Mineral Reef lode, identical with Cor. No. 2 of the Silver Reef Mine lode, bears S. 3° 40' 45" W., 253.69 ft. dist.
1,500.00	Cor. No. 1, and place of beginning.
Mineral Survey No. 4726	
AREAS	
	Acres
Total area, Raven No. 3 lode	20.661
Area in conflict with —	
M.S. No. 4179 Four Metals lode, identical with M.S. No. 3564 Carbonate Mine lode	1.192
M.S. No. 4179 Mineral Reef lode, identical with M.S. No. 3564 Silver Reef Mine lode	3.214
M.S. No. 4179 Deep lode, identical with M.S. No. 3564 OVERSIGHT lode	7.497
M.S. No. 4179 Deep lode, identical with M.S. No. 3564 OVERSIGHT lode, exclusive of their conflict with:	
(1) M.S. No. 4179 Mineral Reef lode, identical with M.S. No. 3564 Silver Reef Mine lode	7.111
(2) M.S. No. 4179 Four Metals lode, identical with M.S. No. 3564 Carbonate Mine lode	6.601
(3) M.S. No. 4179 Mineral Reef lode, identical with M.S. No. 3564 Silver Reef Mine lode and M.S. No. 4179 Four Metals lode, identical with M.S. No. 3564 Carbonate Mine lode	6.215
M.S. No. 4179 Iron Duke lode, identical with M.S. No. 3564 WELLINGTON lode	0.780

FEET		Acres
	M.S. No. 4179 Iron Duke lode, identical with M.S. No. 3564 WELLINGTON lode, exclusive of their conflict with M.S. No. 4179 Four Metals lode, identical with M.S. No. 3564 Carbonate Mine lode	0.538
	M.S. No. 4179 Lucky Joe lode	0.132
	Total area, Raven No. 7 lode	20.507
	Area in conflict with —	
	NW 1/4 sec. 13	8.369
	M.S. No. 4179 Jewel lode, identical with M.S. No. 3564 GEM lode	1.457
	Total area, Raven No. 28 Fraction lode	20.661
	Area in conflict with —	
	M.S. No. 4179 Mineral Reef lode, identical with M.S. No. 3564 Silver Reef Mine lode	7.926
	M.S. No. 4179 Jewel lode, identical with M.S. No. 3564 GEM lode	2.749
	M.S. No. 4179 Jewel lode, identical with M.S. No. 3564 GEM lode, exclusive of their conflict with M.S. No. 4179 Mineral Reef lode, identical with M.S. No. 3564 Silver Reef Mine lode	1.935
	M.S. No. 4179 Deep lode, identical with M.S. No. 3564 OVERSIGHT lode	8.278
	M.S. No. 4179 Deep lode, identical with M.S. No. 3564 OVERSIGHT lode, exclusive of their conflict with M.S. No. 4179 Mineral Reef lode, identical with M.S. No. 3564 Silver Reef Mine lode	7.334
	M.S. No. 4179 Lucky Joe lode	0.302
	Raven No. 3 lode of this survey	8.904
	Raven No. 3 lode of this survey, exclusive of its conflict with:	
	(1) M.S. No. 4179 Mineral Reef lode, identical with M.S. No. 3564 Silver Reef Mine lode	5.690
	(2) M.S. No. 4179 Deep lode, identical with M.S. No. 3564 OVERSIGHT lode	5.334
	(3) M.S. No. 4179 Lucky Joe lode	8.785
	(4) M.S. No. 4179 Mineral Reef lode, identical with M.S. No. 3564 Silver Reef Mine lode; M.S. No. 4179 Deep lode, identical with M.S. No. 3564 OVERSIGHT lode and M.S. No. 4179 Lucky Joe lode	2.387
	Total area, Raven 29 Fraction lode	20.507
	Area in conflict with —	
	M.S. No. 4179 Jewel lode, identical with M.S. No. 3564 GEM lode	3.667
	NW 1/4 sec. 13	16.149

(This form bound on left side)

FEET		Acres
	NW 1/4 sec. 13, exclusive of its conflict with M.S. No. 4179 Jewel lode	16.113
	LOCATION	
	This survey is located in the NW 1/4 and SW 1/4 sec. 13 and NE 1/4 and SE 1/4 sec. 14, T. 8 S., R. 18 E., G&SRM.	
	The survey of the Raven No. 3, Raven No. 7, Raven No. 28 Fraction and Raven No. 29 Fraction lodes is identical with the respective location or amended location as marked on the ground.	
	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 Raven No. 3 lode is on the lode line 50.0 ft. from a point on line 1-2, 300.0 ft. from Cor. No. 1. Value, none.	
No. 1	The discovery point of the Raven No. 7 lode is on the lode line 250.0 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4. Value, none.	
No. 1	The discovery point of the Raven No. 28 Fraction lode is on the lode line 100.0 ft. from a point on line 4-1, 300.0 ft. from Cor. No. 4. Value, none.	
No. 1	The discovery point of the Raven No. 29 Fraction lode is on the lode line 290.0 ft. from a point on line 1-2, 300.0 ft. from Cor. No. 1. Value, none.	
	OTHER IMPROVEMENTS	
	None	
	OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA	
	M.S. No. 4179 Jewel lode, identical with M.S. No. 3564 GEM lode: Cors. Nos. 1, 2, 3 and 4 of the Jewel lode, identical with Cors. Nos. 2, 1, 4 and 3, respectively, of M.S. No. 3564 GEM lode, are iron posts, 3/4 in. diam., 24 ins. above ground, firmly set, marked and witnessed as described in the official record. Line 1-2 of the Jewel lode, common with line 1-2 of the GEM lode, was found to be N. 75° 23' 10" W., 599.87 ft. instead of N. 75° 23' W., 600.0 ft. as	

FEET		
	<p>approved. Line 2-3 of the Jewel lode, common with line 4-1 of the GEM lode, was found to be N. 14° 35' 45" E. instead of N. 14° 37' E. as approved. Line 4-1 of the Jewel lode, common with line 2-3 of the GEM lode, was found to be S. 14° 36' 30" W. instead of S. 14° 37' W. as approved.</p> <p>M.S. No. 4179 Mineral Reef lode, identical with M.S. No. 3564 Silver Reef Mine lode: Cors. Nos. 1, 2, 3 and 4 of the Mineral Reef lode, identical with Cors. Nos. 2, 1, 4 and 3, respectively, of M.S. No. 3564 Silver Reef Mine lode, are iron posts, 3/4 in. diam., 24 ins. above ground, firmly set, marked and witnessed as described in the official record. Line 1-2 of the Mineral Reef lode, common with line 4-1 of the Silver Reef Mine lode, was found to be N. 86° 17' 35" W., 600.04 ft. instead of N. 86° 17' W., 600.0 ft. as approved. Line 2-3 of the Mineral Reef lode, common with line 4-1 of the Silver Reef Mine lode, was found to be N. 3° 43' 10" E., instead of N. 3° 43' E. as approved. Line 4-1 of the Mineral Reef lode, common with line 2-3 of the Silver Reef Mine lode, was found to be S. 3° 40' 45" W. instead of S. 3° 43' W. as approved.</p> <p>M.S. No. 4179 Deep lode, identical with M.S. No. 3564 OVERSIGHT lode: Cors. Nos. 1, 2, 3 and 4 of the Deep lode, identical with Cors. Nos. 3, 2, 1 and 4 of M.S. No. 3564 OVERSIGHT lode, respectively; Cors. Nos. 2 and 3 are identical with Cors. Nos. 3 and 2, respectively, of M.S. No. 4179 Iron Duke lode and M.S. No. 3564 WELLINGTON lode; Cors. Nos. 1 and 4 of the Iron Duke lode are identical with Cors. Nos. 3 and 4 of the WELLINGTON lode, respectively. M.S. No. 4179 Golden Spur lode: Cor. No. 3 is identical with Cor. No. 3 of M.S. No. 4179 Lucky Joe lode. All are iron posts 1 1/4 ins. diam., 24 ins. above ground, firmly set, marked and witnessed as described in the official record. Line 1-2 of the Deep lode, common with line 2-3 of the OVERSIGHT lode, was found to be S. 2° 13' 01" W. instead of S. 2° 13' W. as approved. Line 2-3 of the Deep lode, common with line 2-3 of M.S. No. 3564 OVERSIGHT lode, line 2-3 of the Iron Duke lode and line 3-4 of the WELLINGTON lode, was found to be N. 87° 44' 22" W., 600.52 ft. instead of N. 87° 45' W., 600.0 ft. as approved. Line 3-4 of the Deep lode, common with line 4-1 of M.S. No. 3564 OVERSIGHT lode and common with line 2-3 M.S. No. 4179 Lucky Joe lode, was found to be N. 2° 14' 20" E. instead of N. 2° 13' E. as approved.</p> <p>M.S. No. 4179 Iron Duke lode, identical with M.S. No. 3564 WELLINGTON lode: Cors. Nos. 2 and 3, identical with Cors. Nos. 4 and 3 of M.S. No. 3564 WELLINGTON lode, Cors. Nos. 3 and 2, respectively, of M.S. No. 4179 Deep lode and Cors. Nos. 2 and 1, respectively, of M.S. No. 3564 OVERSIGHT lode, described above. Line 2-3 of the</p>	



FEET

Iron Duke lode, common with line 3-4 of M.S. No. 3564 WELLINGTON lode, line 2-3 M.S. No. 4179 Deep lode and line 1-2 OVERSIGHT lode described above. Line 1-2 of the Iron Duke lode common with line 4-1 of M.S. No. 3564 WELLINGTON lode, shown as approved. Line 3-4 of the Iron Duke lode, common with line 2-3 of M.S. No. 3564 WELLINGTON lode, shown as approved.

M.S. No. 4179 Four Metals lode, identical with M.S. No. 3564 Carbonate Mine lode: Cor. No. 3 of the Four Metals lode, identical with Cor. No. 3 of M.S. No. 3564 Carbonate Mine lode, is an iron post 3/4 in. diam., 18 ins. above ground, firmly set, marked and witnessed as described in the official record. Line 2-3 of the Four Metals lode, common with line 2-3 of M.S. No. 3564 Carbonate Mine lode and common with line 3-4 of M.S. No. 4179 Lucky Joe lode, is shown as approved. Line 3-4 of the Four Metals lode, identical with line 2-3 of M.S. No. 3564 Carbonate Mine lode, is shown as approved.

M.S. No. 4179 Lucky Joe lode: Cor. No. 3 is a quartzite rock, 5 x 6 ins., 10 ins. above ground, firmly set, marked and witnessed as described in the official record. Line 2-3 of the Lucky Joe lode, common with line 3-4 of M.S. No. 4179 Deep lode and line 3-4 of M.S. No. 3564 OVERSIGHT lode, described above. Line 3-4 of the Lucky Joe lode, common with line 2-3 of M.S. No. 4179 Four Metals lode and line 2-3 of M.S. No. 3564 Carbonate Mine lode, described above.

The cors. of secs. 11, 12, 13 and 14 and the 1/4 sec. cor. of secs. 13 and 14, T. 8 S., R. 18 E., G&SRM, are iron posts, 2 ins. and 1 in. in diam., respectively, firmly set, marked and witnessed as described in the official record. The line between these two cors. was found to be N. 0° 06' 53" W. instead of N. 0° 01' W. as approved. The south one-half of the line between secs. 13 and 14 is shown as approved.

FIELD ASSISTANTS

Name	Capacity
Kent Miller	Instrument Man
Charles Najarian	Chainman-Axeman



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor <b>Harvey W. Smith</b>	Date <b>January 27, 1977</b>
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I HEREBY CERTIFY That in pursuance of an order received from the Chief, Branch of Cadastral Survey, Bureau of Land Management, at Phoenix, Arizona, dated 2/28/77 & June 30, 1972, I have carefully executed the survey of the claim of Exxon Company, U.S.A. known as the (lode, placer, or mill site) Raven Nos. 3, 7, 28 Fraction and 29 Fraction lodes situated in Pinal County, Secs. 13 and 14, Township 8 South, Range 18 East, Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4726, has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in specific manner described in the foregoing field notes.

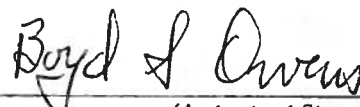
I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) Raven Nos. 3, 7, 28 Fraction and 29 Fraction lode location(s) embraced in the said mining claim by claimant(s) or their grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. 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.

<b>Paradise Valley, Arizona</b> (Location)	 (Signature of Mineral Surveyor)
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CERTIFICATE OF APPROVAL

Office <b>Arizona State Office</b>
Location <b>Phoenix, Arizona</b>
Date <b>March 17, 1977</b>

The foregoing field notes of mineral survey number 4726, in Sections 13 & 14, Range 18 E., Gila and Salt River Meridian, in the State of Arizona,  surveyed  unsurveyed Township 8 S., executed by Harvey W. Smith Amended, Mineral Surveyor, under order dated June 30, 1972 & 2/28, 1977, 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.

 Boyd S. Owens (Authorized Signature)	<b>Chief, Br. of Cadastral Survey</b> (Title)
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CERTIFICATE OF TRANSCRIPT

I HEREBY CERTIFY That the foregoing transcript of field notes of the above-described mineral survey number is a true copy of the original field notes.

(Authorized Signature)	(Title)
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Title 18, U.S.C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Form 100-10  
April 1964 Edition  
GSA FPMR (41 CFR) 101-11.6

PERMIT TO OCCUPY PUBLIC LANDS

January 22, 1977

Mr. J. W. [Name] [Address] [City, State, Zip]

Re: [Subject]

On [Date] you were issued a permit to occupy public lands.

The permit is for the purpose of [Purpose]

The permit is valid for a period of [Duration]

The permit is subject to the following conditions:

1. You must comply with all applicable laws and regulations.

2. You must not cause any damage to the public lands.

3. You must not interfere with any other users of the public lands.

4. You must not use the public lands for any purpose other than that authorized by the permit.

5. You must not use the public lands for any purpose that is prohibited by law or regulation.

6. You must not use the public lands for any purpose that is inconsistent with the public interest.

7. You must not use the public lands for any purpose that is contrary to the public policy.

8. You must not use the public lands for any purpose that is against the public good.

9. You must not use the public lands for any purpose that is against the public health.

10. You must not use the public lands for any purpose that is against the public safety.

11. You must not use the public lands for any purpose that is against the public order.

12. You must not use the public lands for any purpose that is against the public morals.

13. You must not use the public lands for any purpose that is against the public interest.

14. You must not use the public lands for any purpose that is against the public good.

15. You must not use the public lands for any purpose that is against the public health.

16. You must not use the public lands for any purpose that is against the public safety.

17. You must not use the public lands for any purpose that is against the public order.

18. You must not use the public lands for any purpose that is against the public morals.

19. You must not use the public lands for any purpose that is against the public interest.

20. You must not use the public lands for any purpose that is against the public good.

21. You must not use the public lands for any purpose that is against the public health.

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28. You must not use the public lands for any purpose that is against the public safety.