

Form 3860-10  
(October 1979)  
(formerly 3400-11)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Mineral Survey number  
4825

State  
Arizona

Land District  
Arizona

FIELD NOTES

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

THE NEW JERSEY ZINC EXPLORATION COMPANY  
c/o John Teet, Mgr., Western Exploration  
2030 E. Broadway  
Tucson, Arizona 85719

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
POP #25	2/06/74	3/08/81
POP #26	2/05/74	3/08/81

Mining district Silver			County Yuma	
Section 36 1	Township 3 S. T.4 S.	Range 23 W. R.23 W.	Meridian Gila & Salt River	Survey under order dated June 5, 1981
Survey commenced June 24, 1981		Survey completed March 24, 1982	Name of Mineral Surveyor Gordon W. McLain	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey Number	
State	
Land District	

Of the Survey of the State of Texas and number of Class 10  
 and 11 and 12 and 13 and 14 and 15 and 16 and 17 and 18 and 19 and 20  
 and 21 and 22 and 23 and 24 and 25 and 26 and 27 and 28 and 29 and 30  
 and 31 and 32 and 33 and 34 and 35 and 36 and 37 and 38 and 39 and 40  
 and 41 and 42 and 43 and 44 and 45 and 46 and 47 and 48 and 49 and 50  
 and 51 and 52 and 53 and 54 and 55 and 56 and 57 and 58 and 59 and 60  
 and 61 and 62 and 63 and 64 and 65 and 66 and 67 and 68 and 69 and 70  
 and 71 and 72 and 73 and 74 and 75 and 76 and 77 and 78 and 79 and 80  
 and 81 and 82 and 83 and 84 and 85 and 86 and 87 and 88 and 89 and 90  
 and 91 and 92 and 93 and 94 and 95 and 96 and 97 and 98 and 99 and 100

COMPARISON OF LOCK IDENTIFIERS AND LOCATED AS FOLLOWS

STATE	CLASS	NAME OF LOCK
TEXAS	10	
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TEXAS	100	

Surveyed by \_\_\_\_\_ Date \_\_\_\_\_  
 Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Approved by \_\_\_\_\_ Date \_\_\_\_\_

FEET

This survey was made with a Kern DKM-1 directional theodolite No. 166718, with a horizontal circle of 50 mm. diameter and a vertical circle of 50 mm. diameter; both circles are read through an optical microscope that views diametrically opposite points on the graduated circle scales; an index line is operated by a micrometer drum which reads both horizontal and vertical angles directly to 10" and by estimation to 1" of arc. This 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 direction angles, measured to the right, and are referred to the meridian determined by the following observation:

June 24, 1981, at Cor. No. 3 of the POP #26 lode, in latitude 33°06'52" N., and longitude 114°35'05" W., elevation 950 ft. above sea level, and temperature 90° F., make a series of six altitude observations of 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 the POP #26 lode southeast to the sun:

Mean time of observation,  
105th meridian standard  
time = 9<sup>h</sup>43<sup>m</sup>33<sup>s</sup> a.m.

Declination of sun at mean  
time of observation = 23°24'16" N.

Mean observed vertical angle  
to sun's center = 50°13'48"

Mean horizontal angle from  
Cor. No. 2 to sun's  
center = 199°22'45"

True bearing to Cor.  
No. 2 = S. 73°02'24" W.

The lines were measured with a Lufkin 100 ft. steel tape, graduated every foot for 99 ft. and the remainder in tenths and hundredths of a foot, and with a Topcon DM-C2 electronic distance meter, Serial No. 911223, with a mean square error of +(0.02 ft. + 5 ppm). The tape was compared with a 100 ft. standard tape at the beginning of the survey and found to be correct. The electronic distance meter was in good condition at the time of the survey and all adjustments were in good order.

The magnetic declination observed at each corner of the survey gave a uniform value of 13°E.

FEET	
Mineral Survey No. 4825	
POP #25 Lode	
Beginning at Cor. No. 1 POP #25 lode, identical with Cor. No. 1 of the POP #26 lode of this survey and with a cor. of the location.	
Set an aluminum cap, 2 ins. diam., 2 1/2 ins. stem, in concrete, at ground surface, raised a mound of stone, 2 ft. base, 2 ft. high, W. of cor., marked the aluminum cap 1-P25 1-P26 M.S. 4825; from which	
The cor. of secs. 1,2,35 and 36, T.4 S., R.23 W. and T.3 S., R.23 W., G.&S.R.M., bears S. 79°28'59"W., 809.96 ft. dist.; monumented with an iron post 3 ins. diam., 12 ins. above the ground, firmly set, with the brass cap properly marked.	
The SW. face of a 2 ft. high rock ledge bears N.37°05' E., 115.27 ft. dist., marked X BO 1-P25 1-P26 M.S. 4825.	
The N. face of a rock ledge, at ground surface, bears S.21°29' E., 15.01 ft. dist., marked X BO 1-P25 1-P26 M.S. 4825.	
Thence N.16°57'36" W.	
220.	Center of wash, 6 ft. wide, course S.10° W.
260.	Center of wash, 10 ft. wide, course S.15° W..
300.00	Lode line; discovery point bears N.73°02'24" E., 1345.00 ft. dist.
600.00	Cor. No. 2, identical with a cor. of the location.
Set a 3/4 in. diam. galvanized iron pipe, 26 ins. long, 14 ins. in the ground, with a 3 ft. diam. mound of stone to top, with a 2 ins. diam. aluminum cap marked 2-P25 M.S. 4825.	
No local bearing objects or bearing trees available.	
Thence N.73°02'24" E.	
40.	Center of wash, 10 ft. wide, course S.10° W.
305.	Center of road, 10ft. wide, course due N.and S.
515.	Center of wash, 6 ft. wide, course S. 5° W.
1500.00	Cor. No. 3, identical with a cor. of the location.

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FEET		
	<p>Set an aluminum cap, 2 ins. diam., 2 1/2 ins. stem, in concrete, at ground surface, raised a mound of stone, 2 ft. base, 2 ft. high, NE. of cor., marked the aluminum cap 3-P25 M.S. 4825; from which</p> <p>The W. face of a 4 ft. sq. boulder, 2 ft. high, in a small wash, bears S.89°49' W., 16.33 ft. dist., marked X BO 3-P25 M.S. 4825.</p> <p>The SW. face of a massive rock ledge bears N.14°16' E., 58.21 ft. dist., marked X BO 3-P25 M.S. 4825.</p> <p style="text-align: center;">Thence S.16°57'36" E.</p>	
300.00	Lode line; discovery point bears S.73°02'24" W., 155.00 ft. dist.	
600.00	<p>Cor. No. 4, identical with Cor. No. 4 of the POP #26 lode of this survey; from which</p> <p>This cor. falls at an inaccessible point on a cliff, where a monument cannot be established.</p> <p style="text-align: center;">Thence S.73°02'24" W.</p>	
15.00	A point for witness Cor. No. 4, set a 3/4 in. diam. galvanized iron pipe, 26 ins. long, 19 ins. in the ground, surrounded by a 3 ft. diam. mound of stone to top, with a 2 ins. diam. aluminum cap marked W.C. 4-P25 4-P26 M.S. 4825.	
235.	Center of road, 10 ft. wide, course N.15° W. and S.15° E.	
295.	Center of road, 10 ft. wide, course N. 5° E. and S. 5° W.	
700.	Center of wash, 4 ft. wide, course S.20° W.	
830.	Center of road, 12 ft. wide, course N.30° E. and S.30° W.	
1120.	Center of wash, 30 ft. wide, course N.10° E., and center of road, 10 ft. wide, course N.55° W. and S.55° E.	
1500.00	Cor. No. 1, and place of beginning.	
	POP #26 Lode	
	<p>Beginning at cor. No. 1 POP #26 lode, identical with Cor. No. 1 of the POP #25 lode of this survey.</p> <p style="text-align: center;">Thence S.16°57'36" E.</p>	
300.00	Lode line; discovery point bears N.73°02'24" E., 1275.00 ft. dist.	

600.00	<p>Cor. No. 2, identical with a cor. of the location.</p> <p>Set a 3/4 in. diam. galvanized iron pipe, 26 ins. long, 15 ins. in the ground, surrounded by a 3 ft. diam. mound of stone to top, with a 2 ins. diam. aluminum cap marked 2-P26 M.S. 4825.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.73°02'24" E.</p>
515.	Center of wash, 2 ft. wide, course N.30° W.
655.	Center of road, 12 ft. wide, course N.45° W. and S.45° E.
835.	Center of wash, 6 ft. wide, course due W.
980.	Center of road, 10 ft. wide, course N.10° E. and S.10° W.
1500.00	<p>Cor. No. 3, identical with a cor. of the location.</p> <p>Set a 3/4 in. diam. galvanized iron pipe, 26 ins. long, 17 ins. in the ground, surrounded by a 3 ft. diam. mound of stone to top, with a 2 ins. diam. aluminum cap marked 3-P26 M.S. 4825.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N.16°57'36" W.</p>
300.00	Lode line; discovery point bears S.73°02'24" W., 225.00 ft. dist.
600.00	<p>Cor. No. 4, identical with Cor. No. 4 of the POP #25 lode of this survey.</p> <p style="text-align: center;">Thence S.73°02'24" W.</p>
15.00	Witness Cor. No. 4, identical with witness cor. No. 4 of the POP #25 lode of this survey, heretofore described.
235.	Center of road, 10 ft. wide, course N.15° W. and S.15° E.
295.	Center of road, 10 ft. wide, course N. 5° E. and S. 5° W.
700.	Center of wash, 4 ft. wide, course S.20° W.
830.	Center of road, 12 ft. wide, course N.30° E. and S.30° W.
1120.	Center of wash, 30 ft. wide, course N.10° E., and center of road, 10 ft. wide, course N.55° W. and S.55° E.
1500.00	Cor. No. 1, and place of beginning.

FEET							
	<hr/> Mineral Survey No. 4825 <hr/>						
	<table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 60%;">AREAS</th> <th style="width: 40%;">Acres</th> </tr> </thead> <tbody> <tr> <td>Total area, POP #25 lode.....</td> <td style="text-align: right;">20.661</td> </tr> <tr> <td>Total area, POP #26 lode.....</td> <td style="text-align: right;">20.661</td> </tr> </tbody> </table>	AREAS	Acres	Total area, POP #25 lode.....	20.661	Total area, POP #26 lode.....	20.661
AREAS	Acres						
Total area, POP #25 lode.....	20.661						
Total area, POP #26 lode.....	20.661						
	<p><b>LOCATION</b></p> <p>This survey is located in the SW. 1/4 sec. 36, T.3 S., R.23 W., and the NW. 1/4 sec. 1, T.4 S., R.23 W., G.&amp; S.R.M., and is wholly within the amended locations as marked on the ground.</p>						
	<p><b>EXPENDITURES</b></p> <p>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:</p>						
No. 1	The discovery point of the POP #25 lode bears N.73°02'24" E., 1345.00 ft. dist from the center of the W. end line. Value, none						
No. 2	A drill hole, 2 ins. diam., 95 ft. long, running N.75° E. at an inclination of -53°, the collar of which bears S.10°25' W., 563.2 ft. dist. from Cor. No. 3 of the POP #25 lode. Value, \$332.50						
No. 3	A drill hole, 2 ins. diam., BX-type core, 112.5 ft. long, running N.65° E. at an inclination of -80°, the collar of which bears S.12°24' W., 563.6 ft. dist. from Cor. No. 3 of the POP #25 lode. Value, \$2739.37						
No. 1	The discovery point of the POP #26 lode bears N.73°02'24" E., 1275.00 ft. dist. from the center of the W. end line. Value, none						
No. 2	A drill hole, 2 ins. diam., BX-type core, 110 ft. long, running N.85° E. at an inclination of -70°, the collar of which bears N.43°27' W., 559.2 ft. dist. from Cor. No. 3 of the POP #26 lode. Value, \$2678.50						
No. 3	A drill hole, 2 ins. diam., 90 ft. long, running N.77° E. at an inclination of -35°, the collar of which bears N.67°09' W., 392.2 ft. dist. from Cor. No. 3 of the POP #26 lode. Value, \$462.60						

(This form bound on left side)

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FEET	
No. 4	<p>A drill hole, 2 ins. diam., 100 ft. long, running N.77° E. at an inclination of -30°, the collar of which bears N.55°44' W., 394.8 ft. dist. from Cor. No. 3 of the POP #26 lode. Value, \$514.00</p>
No. 5	<p>A drill hole, 2 ins. diam., 130 ft. long, running N.77° E. at an inclination of -25°, the collar of which bears N.51°35' W., 491.7 ft. dist. from Cor. No. 3 of the POP #26 lode. Value, \$668.20</p>
No. 6	<p>A drill hole, 2 ins. diam., 70 ft. long, running N.77° E. at an inclination of -15°, the collar of which bears N.43°05' W., 557.9 ft. dist. from Cor. No. 3 of the POP #26 lode. Value, \$359.80</p>
OTHER IMPROVEMENTS	
<p>A vertical shaft, 4 ft. X 6 ft., 25 ft. deep, bears S. 8°40' W., 399. ft. dist. from Cor. No. 3 of the POP #25 lode. Claimant unknown</p>	
<p>A vertical shaft, 8 ft. X 10 ft., approximately 100 ft. deep, bears S.11°46' W., 521. ft. dist. from Cor. No. 3 of the POP #25 lode. Claimant unknown</p>	
<p>A vertical shaft, 6 ft. X 8 ft., approximately 40 ft. deep, bears S. 1°46' W., 575. ft. dist. from Cor. No. 3 of the POP #25 lode. Claimant unknown</p>	
<p>A trench, 5 ft. to 10 ft. deep, 10 ft. wide, 50 ft. long, running N.75° W. and S.75° E., the center of which bears S.13°42' W., 382. ft. dist. from Cor. No. 3 of the POP #25 lode. Claimant unknown</p>	
<p>A trench, 5 ft. to 30 ft. deep, 8 ft. wide, 80 ft. long, running N.62° E. and S.62° W., the center of which bears S. 5°04' W., 544. ft. dist. from Cor. No. 3 of the POP #25 lode. Claimant unknown</p>	
<p>A trench, 20 ft. to 50 ft. deep, 10 ft. wide, 40 ft. long, running N.75° E. and S.75° W., the center of which bears N.39°55' W., 559. ft. dist. from Cor. No. 3 of the POP #26 lode. Claimant unknown</p>	
<p>A trench, 4 ft. to 12 ft. deep, 15 ft. wide, 85 ft. long, running N.70° E. and S.70° W., the center of which bears N.38°31' W., 523. ft. dist. from Cor. No. 3 of the POP #26 lode. Claimant unknown</p>	
<p>A trench, 4 ft. to 15 ft. deep, 8 ft. wide, 90 ft. long, running N.80° W. and S.80° E., the center of which bears N.41°41' W., 487. ft. dist. from Cor. No. 3 of the POP #26 lode. Claimant unknown</p>	



FEET	
	<p>A trench, 2 ft. to 10 ft. deep, 6 ft. wide, 50 ft. long, running N.75° E. and S.75° W., the center of which bears N.37°15' W., 433. ft. dist. from Cor. No. 3 of the POP #26 lode. Claimant unknown</p>
	<p>A trench, 3 ft. to 7 ft. deep, 10 ft. wide, 80 ft. long, running N.85° E. and S.85° W., the center of which bears N.61°33' W., 653. ft. dist. from Cor. No. 3 of the POP #26 lode. Claimant unknown</p>
	<p>OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA</p>
	<p>None</p>
	<p>MEMORANDUM None</p>
	<p>FIELD ASSISTANTS</p>
	<p>Steven S. Owens.....Instrumentman</p>
	<p>Jeff Pferdeort.....Rodman</p>

FEET

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
Gordon W. McLain	June 11, 1982

I HEREBY CERTIFY That in pursuance of an order received from the Bureau of Land Management , at Phoenix, Arizona , dated June 5 , 19 81 , I have carefully executed the survey of the claim of THE NEW JERSEY ZINC EXPLORATION COMPANY , known as the (lode, placer, or mill site) POP #25 and POP #26 lodes , situated in Section 1, T. 4 S., R. 23 W., and Section 36 , Township 3 S. , Range 23 W. , Gila and Salt River Meridian, in the State of Arizona .

This survey, designated as number 4825 , 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) lode location(s) embraced in the said mining claim by claimant(s) or its 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.

Tucson, Arizona  
(Location)

*Gordon W. McLain*  
(Signature of Mineral Surveyor)

CERTIFICATE OF APPROVAL

Office	Arizona State Office
Location	Phoenix, Arizona
Date	SEP 23 1985

The foregoing field notes of mineral survey number 4825 , in the SW $\frac{1}{4}$  of Section 36 and the NW $\frac{1}{4}$  of Section 1 ,  surveyed  unsurveyed Township 3 & 4 S., Range 23 W. , Gila and Salt River Meridian, in the State of Arizona , executed by Gordon W. McLain , Mineral Surveyor, under order dated June 5 , 19 81 , 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.

*James P. Kelley*  
(Authorized Signature)

Chief Cadastral Surveyor of Arizona  
(Title)

CERTIFICATE OF TRANSCRIPT

I HEREBY CERTIFY That the foregoing transcript of field notes of the above-described mineral survey number 4825 is a true copy of the original field notes.

*[Signature]*  
(Authorized Signature)

Chief Cadastral Surveyor of Arizona  
(Title)

DEPARTMENT OF AGRICULTURE  
BUREAU OF LAND MANAGEMENT  
PHOENIX, ARIZONA

June 15, 1933

Gordon W. McCain

Dear Mr. McCain: The Bureau of Land Management has received your letter of June 10, 1933, regarding the proposed irrigation project in the Phoenix, Arizona area. The project involves the construction of a canal to divert water from the Salt River to the Phoenix area. The Bureau is currently reviewing the project and will advise you of the results of its review in the near future.

The Bureau is also reviewing the project in light of the recent drought conditions in the Phoenix area. It is possible that the project may be delayed or modified in order to conserve water resources. We will keep you informed of any changes to the project.

*W. W. [Signature]*

Phoenix, Arizona

Arizona State Office

Phoenix, Arizona

SEP 23 1933

The Bureau of Land Management is currently reviewing the proposed irrigation project in the Phoenix area. The project involves the construction of a canal to divert water from the Salt River to the Phoenix area. The Bureau is currently reviewing the project and will advise you of the results of its review in the near future.

Chief Technical Surveyor of Arizona

*W. W. [Signature]*

Chief Technical Surveyor of Arizona