

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number
4733

State
Arizona

Land District
Arizona

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

El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79999

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

Emerald Isle

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

| NAME OF LOCATION | DATE | |
|-----------------------------|----------|---------|
| | LOCATED | AMENDED |
| Emerald Isle Wellsite No. 1 | 12-18-72 | |

| | | | | |
|-----------------------------|-------------------|-----------------------------|--|---|
| Mining district Wallapai | | | County Mohave | |
| Section 32 | Township 23 N. | Range 18 W. | Meridian G.&S.R. | Survey under order dated Jan. 23, 1973 |
| Survey commenced 3/19/73 | | Survey completed 3/19/73 | Name of Mineral Surveyor Robert Lenon | |

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| <p>1941</p> <p>1942</p> <p>1943</p> <p>1944</p> <p>1945</p> <p>1946</p> <p>1947</p> <p>1948</p> <p>1949</p> <p>1950</p> <p>1951</p> <p>1952</p> <p>1953</p> <p>1954</p> <p>1955</p> <p>1956</p> <p>1957</p> <p>1958</p> <p>1959</p> <p>1960</p> <p>1961</p> <p>1962</p> <p>1963</p> <p>1964</p> <p>1965</p> <p>1966</p> <p>1967</p> <p>1968</p> <p>1969</p> <p>1970</p> <p>1971</p> <p>1972</p> <p>1973</p> <p>1974</p> <p>1975</p> <p>1976</p> <p>1977</p> <p>1978</p> <p>1979</p> <p>1980</p> <p>1981</p> <p>1982</p> <p>1983</p> <p>1984</p> <p>1985</p> <p>1986</p> <p>1987</p> <p>1988</p> <p>1989</p> <p>1990</p> <p>1991</p> <p>1992</p> <p>1993</p> <p>1994</p> <p>1995</p> <p>1996</p> <p>1997</p> <p>1998</p> <p>1999</p> <p>2000</p> <p>2001</p> <p>2002</p> <p>2003</p> <p>2004</p> <p>2005</p> <p>2006</p> <p>2007</p> <p>2008</p> <p>2009</p> <p>2010</p> <p>2011</p> <p>2012</p> <p>2013</p> <p>2014</p> <p>2015</p> <p>2016</p> <p>2017</p> <p>2018</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p> | <p>1941</p> <p>1942</p> <p>1943</p> <p>1944</p> <p>1945</p> <p>1946</p> <p>1947</p> <p>1948</p> <p>1949</p> <p>1950</p> <p>1951</p> <p>1952</p> <p>1953</p> <p>1954</p> <p>1955</p> <p>1956</p> <p>1957</p> <p>1958</p> <p>1959</p> <p>1960</p> <p>1961</p> <p>1962</p> <p>1963</p> <p>1964</p> <p>1965</p> <p>1966</p> <p>1967</p> <p>1968</p> <p>1969</p> <p>1970</p> <p>1971</p> <p>1972</p> <p>1973</p> <p>1974</p> <p>1975</p> <p>1976</p> <p>1977</p> <p>1978</p> <p>1979</p> <p>1980</p> <p>1981</p> <p>1982</p> <p>1983</p> <p>1984</p> <p>1985</p> <p>1986</p> <p>1987</p> <p>1988</p> <p>1989</p> <p>1990</p> <p>1991</p> <p>1992</p> <p>1993</p> <p>1994</p> <p>1995</p> <p>1996</p> <p>1997</p> <p>1998</p> <p>1999</p> <p>2000</p> <p>2001</p> <p>2002</p> <p>2003</p> <p>2004</p> <p>2005</p> <p>2006</p> <p>2007</p> <p>2008</p> <p>2009</p> <p>2010</p> <p>2011</p> <p>2012</p> <p>2013</p> <p>2014</p> <p>2015</p> <p>2016</p> <p>2017</p> <p>2018</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p> |
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SURVEY NO. 4733

FEET

EMERALD ISLE WELLSITE NO. 1

This survey was made with a Bausch and Lomb Precise Transit, No. 9259, with horizontal limb 5-1/2 ins. diam., having two single opposite verniers, and full vertical circle 4-1/4 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:

March 18, 1973, at the S'ly cor. common to Secs. 32 and 33, T. 23 N., R. 18 W., in latitude 35°20' N., and longitude 114°13' 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 reversed positions, observing opposite limbs of the sun, and reading the horizontal angles from the quarter-corner common to said Secs. 32 and 33, SW'ly, to the sun.

| | (1) | (2) |
|--|-------------|-------------|
| Mean time of observation, 105th meridian standard time: | 2H 43m p.m. | 2H 46m p.m. |
| Declination of sun at mean time of observation: | | 0°44' S. |
| Mean observed vertical angles to sun's center: | 44°46'45" | 44°21' |
| Mean horizontal angles from reference point to sun's center: | 224°36' | 225°29' |
| True bearing to reference point: | | N. 1°05' W. |

The lines were measured with a Lufkin steel tape, 500 feet in length, graduated every foot, with the end feet graduated to tenths and hundredths; and a Chicago steel tape, 300 feet 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.

The magnetic declination observed at each corner of the survey gave a uniform value of 14°30' E.

FEET

The first section of the report describes the general geology of the area. It is divided into three main units: the upper part, the middle part, and the lower part. The upper part consists of a sequence of sandstones and shales, which are described as being of the same age as the upper part of the lower part. The middle part consists of a sequence of shales and sandstones, which are described as being of the same age as the middle part of the lower part. The lower part consists of a sequence of shales and sandstones, which are described as being of the same age as the lower part of the lower part.

The second section of the report describes the detailed geology of the area. It is divided into three main units: the upper part, the middle part, and the lower part. The upper part consists of a sequence of sandstones and shales, which are described as being of the same age as the upper part of the lower part. The middle part consists of a sequence of shales and sandstones, which are described as being of the same age as the middle part of the lower part. The lower part consists of a sequence of shales and sandstones, which are described as being of the same age as the lower part of the lower part.

The third section of the report describes the detailed geology of the area. It is divided into three main units: the upper part, the middle part, and the lower part. The upper part consists of a sequence of sandstones and shales, which are described as being of the same age as the upper part of the lower part. The middle part consists of a sequence of shales and sandstones, which are described as being of the same age as the middle part of the lower part. The lower part consists of a sequence of shales and sandstones, which are described as being of the same age as the lower part of the lower part.

| FEET | EMERALD ISLE WELLSITE NO. 1 |
|--------|---|
| | <p>At Cor. No. 1 of the Emerald Isle Wellsite No. 1 millsite.</p> <p>Set an iron pin, 5/8ths ins. diam., 30 ins. long, 24 ins. in the ground, surrounded by a mound of stone, with aluminum cap mkd. X-EIWMS1-1-4733; from which</p> <p>The 1/4 sec. cor. of Secs. 32 and 33, T. 23 N., R. 18 W., G. & S.R.M., Arizona, bears N. 1°05' W., 665.41 ft. dist., a brass-capped iron post, 1 ins. diam., 14 ins. above ground, firmly set and properly mkd.</p> <p>Thence S. 1°05' E.</p> |
| 120 | Service road, 15 ft. wide, bears N. 3° W. and S. 3° E. |
| 315 | High tension line, on wooden poles, bears N. 66° E., and S. 66° W. |
| 390 | Service road, 15 ft. wide, bears N. 6° E., and S. 6° W. |
| 665.41 | <p>Cor. No. 2.</p> <p>Set an iron pin, 5/8ths ins. diam., 30 ins. long, 24 ins. in the ground, surrounded by a mound of stone, with aluminum cap mkd. X-EIWMS1-2-4733.</p> <p>Thence S. 88°55' W.</p> |
| 33 | Service road, 15 ft. wide, bears N. 6° E. and S. 6° W. |
| 41 | Water line, steel, 6 ins. in diam., bears N. 4° E., and S. 4° W. |
| 63 | High tension line, on wooden poles, bears N. 5° E. and S. 5° W. |
| 327.30 | <p>Cor. No. 3.</p> <p>Set an iron pin, 5/8ths ins. diam., 30 ins. long, 24 ins. in the ground, surrounded by a mound of stone, with aluminum cap mkd. X-EIWMS1-3-4733.</p> <p>Thence N. 1°05' W.</p> |
| 665.41 | <p>Cor. No. 4.</p> <p>Set an iron pin, 5/8ths ins. diam., 30 ins. long, 24 ins. in the ground, surrounded by a mound of stone, with aluminum cap mkd. X-EIWMS1-4-4733.</p> <p>Thence N. 88°55' E.</p> |
| 305 | Water line, steel, 6 ins. in diam., bears N. 1° W. and S. 1° E. |
| 320 | Service road, 15 ft. wide, bears N. 3° W. and S. 3° E. |
| 327.30 | Cor. No. 1, and place of beginning. |

(This form bound on left side)

FEET

AREAS

Total area, Emerald Isle
 Wellsite No. 1 5.000 Acres

LOCATION

This survey is located in the NE⁴SE⁴ of
 Sec. 32, T. 23 N., R. 18 W., G. & S.R.M.,
 Arizona.

EXPENDITURES

The improvements and the value of the labor
 and improvements made upon or for the benefit of
 the millsite location by the claimant are as
 follows:

No. 1. A drilled well, the center of which bears
 S. 1°14' W., 350 ft. from Cor. No. 1,
 having a collar diam. of 12 ins., cased to
 a depth of 2132 feet, with substation, deep-
 well pump, surge tank, and booster pump.

Value: \$60,000.

No. 2. A steel water-line, 6 ins. diam., lies on the
 surface of the ground, leading to the Emerald
 Isle mine and mill, 2-1/2 miles to the
 Northeast.

Value: \$100,000.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

The Southerly cor. of Secs. 32 and 33 is a
 brass-capped iron post, 3 ins. diam., 16 ins.
 above ground, firmly set and properly marked.

The Southerly half-mile of the line common to
 Secs. 32 and 33 is N. 1°05' W., 2661.64 ft.
 instead of N. 1°07' W., 2640 ft. as approved.

FIELD ASSISTANTS

| | |
|----------------|---------------|
| Jack M. Kesler | Instrumentman |
| Hoyd J. Patty | Chainman |
| Jim Elkins | Chainman |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

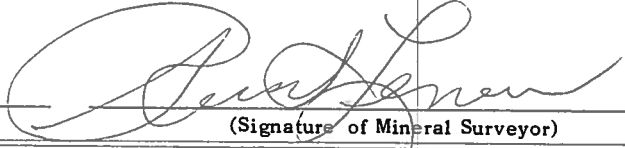
CERTIFICATE OF SURVEYOR

| | |
|--|-----------------------|
| Name of Mineral Surveyor Robert Lenon | Date June 25, 1973 |
|--|-----------------------|

I HEREBY CERTIFY That in pursuance of an order received from the Public Survey Office , at Phoenix, Arizona , dated January 23 , 19 73 , I have carefully executed the survey of the claim of the El Paso Natural Gas Company known as the (lode, placer, or mill site) Emerald Isle Wellsite No. 1 Millsite situated in Wallapai Mining District, Mohave County , Township 23 N. , Range 18 W., Gila and Salt River Meridian, in the State of Arizona .

This survey, designated as number 4733 , 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) Millsite 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.

| | |
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| Patagonia, Arizona (Location) |  (Signature of Mineral Surveyor) |
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CERTIFICATE OF APPROVAL

| |
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| Office Arizona State Office |
| Location Phoenix, Arizona |
| Date March 13, 1974 |

The foregoing field notes of mineral survey number 4733 , in Section 32 , surveyed unsurveyed Township 23 N. , Range 18 W. , Gila and Salt River Meridian, in the State of Arizona , executed by Robert Lenon , Mineral Surveyor, under order dated January 23 , 19 73 , 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.

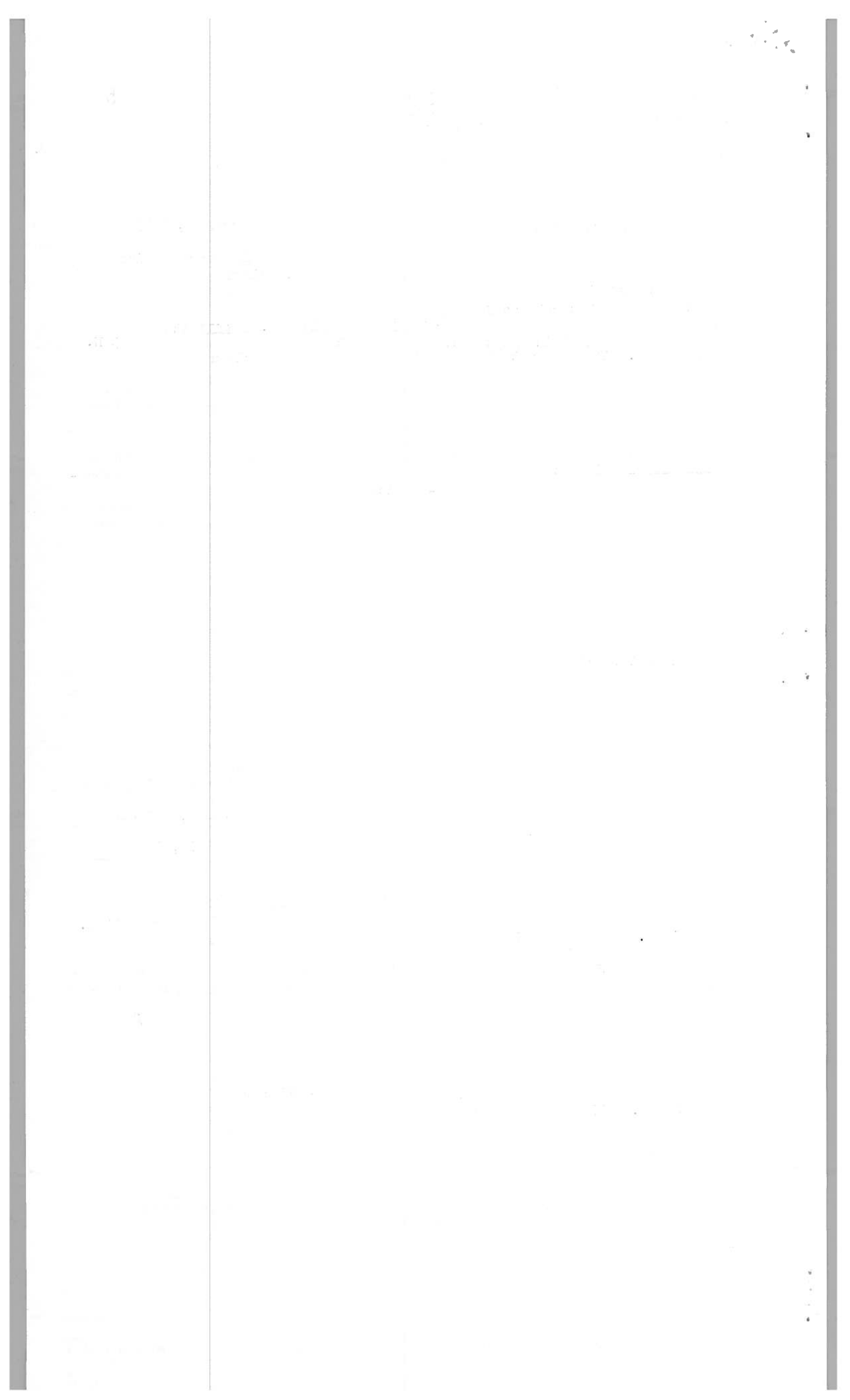
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|  Joe T. Fallini (Authorized Signature) | State Director (Title) |
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CERTIFICATE OF TRANSCRIPT

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.

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| (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 9605 (956)
BUREAU OF LAND MANAGEMENT M.S. 4733
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Emerald Isle Wellsite No.1, Mineral Survey No. 4733, located in section 32, Township 23 North, Range 18 West, Gila and Salt River Meridian, Arizona, is hereby canceled.


This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Emerald Isle Wellsite No.1, M.S. 4733 was canceled June 27, 2012, by memo 9605 (956) M.S. 4733, which is now a part of the original field notes."

June 27, 2012
Date


Chief Cadastral Surveyor of Arizona

