

CONFIDENTIAL

(Revised 7/1/55)  
(Form C-105)

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Grid for well location mapping.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

El Paso Natural Gas Company

Well No. 1, in 1/4 of Sec. 21, T. 35N, R. 11W, NMPM.  
Well is 990 feet from North line and 1190 feet from East line.  
of Section 21. If State Land the Oil and Gas Lease No. is 1190.  
Drilling Commenced March 20, 1954. Drilling was Completed April 11, 1954.  
Name of Drilling Contractor Company Tools and Casing Co.  
Address 3731-08.  
Elevation above sea level at Top of Tubing Head 2112'.  
The information given is to be kept confidential until

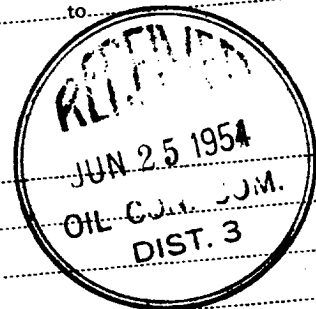
IMPORTANT WATER SANDS OR ZONES

No. 1, from 2112' to 2170' (S)  
No. 2, from 2170' to 2170' (S)  
No. 3, from 2170' to 2170' (S)  
No. 4, from 2170' to 2170' (S)  
No. 5, from 2170' to 2170' (S)  
No. 6, from 2170' to 2170' (S)

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 2112' to 2170' (S) feet.  
No. 2, from 2170' to 2170' (S) feet.  
No. 3, from 2170' to 2170' (S) feet.  
No. 4, from 2170' to 2170' (S) feet.



CASING RECORD

| SIZE  | WEIGHT PER FOOT | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS | PURPOSE    |
|-------|-----------------|-------------|--------|--------------|---------------------|--------------|------------|
| 9 5/8 | 34              | New         | 107    | Reamer       |                     |              | Surface    |
| 5 1/2 | 15.30           | New         | 2102   | Reamer       |                     |              | Prod. Csg. |
| 1     | 1.68            | New         | 2151   |              |                     |              | Prod. Csg. |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED  | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|--------------|-------------|--------------------|
| 11 3/4       | 9 5/8          | 119       | 100                 | Circulated   |             |                    |
| 8 3/4        | 5 1/2          | 2112      | 150                 | Single Stage |             |                    |

RECORD OF PRODUCTION AND STIMULATION

4-20-54 Total depth 2170', interval tested 2112'-2170'. Set Baker battery at 20' and treated fractured CLITE formation with 3000 gallons of acid and 30000' water. Breakdown pressure 3000', Maximum pressure 13500'. Injection rate 231 gallons per min. Finished with 640 gallons oil. Natural gas 176 MCF. Increased production.

Result of Production Stimulation 227.  
Depth Cleaned Out 227.

**RECORD OF DRILL-STEM AND SPECIAL TESTS**

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

**TOOLS USED**

Report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 2112 feet to 2170 feet, and from 2170 feet to 2170 feet.

Cable tools were used from 2112 feet to 2170 feet, and from 2170 feet to 2170 feet.

Put to Producing April 22 PRODUCTION

Put to Producing.....**April 22**.....**PROD**  
**54**  
 OIL WELL: The....., 19.....

OIL WELL: The production during the first 24 hours was ..... barrels of liquid of which .....% was  
was oil; .....% was emulsion; .....% water; and .....% was sediment. A.P.I.  
Gravity.....

GAS WELL: The production during the first 24 hours was ..... barrels of gas of which .....% was  
was oil; .....% was emulsion; .....% water; and .....% was sediment. A.P.I.  
Gravity.....

GAS WELL: The production during the first 24 hours was **1,527,000** .....% was sediment. A.P.I.  
liquid Hydrocarbon. Shut in Pressure **67** ..... M.C.F. plus ..... barrels of  
Length of Time Shut in **eight days.** ..... lbs.

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Anhy..... T. Devonian

Salt..... North

IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

T. Anhy.....

T. Salt.....

B. Salt.....

T. Yates.....

T. 7 Rivers.....

T. Queen.....

T. Grayburg.....

T. San Andres.....

T. Glorieta.....

T. Drinkard.....

T. Tubbs.....

T. Abo.....

T. Penn.....

T. Miss.....

Northwestern New Mexico

T. Devonian.....

T. Silurian.....

T. Montoya.....

T. Simpson.....

T. McKee.....

T. Ellenburger.....

T. Gr. Wash.....

T. Granite.....

T. ....

T. ....

T. ....

T. ....

T. ....

T. ....

T. ....

T. ....

From

To

Thickness

FORMATION RECORD

# FORMATION RECORD

| From | To   | Thickness<br>in Feet | Formation  |
|------|------|----------------------|--|
| 0    | 258  | 258                  | Thin cr-grn ss w/ thin sh breaks.  |
| 258  | 760  | 502                  | Variegated sh w/ thin ss breaks.   |
| 760  | 1830 | 1070                 | Thin to gr cr-grn ss interbedded w/ gr sh.                                   |
| 1830 | 1863 | 33                   | Ojo Alamo ss. 14 cr-grn sh.  |
| 1863 | 1777 | 84                   | Hirtland formation. Gr sh interbedded w/ tight gr fine-grn ss.               |
| 1777 | 2212 | 435                  | Fruitland formation. Gr carb sh, scattered coals and gr, tight, fine grn ss. |
| 2212 | 2276 | 64                   | Pictured Cliffs formation. Gr, fine-grn, tight, varicolored soft ss.         |

**OIL CONSERVATION COMMISSION**

**AZTEC DISTRICT OFFICE**

No. Copies Received 6

**DISTRIBUTION**

|                   | No.<br>FURNISHED |   |
|-------------------|------------------|---|
| Operator          | 2                |   |
| Santa Fe          | 1                |   |
| Proration Office  |                  |   |
| State Land Office |                  |   |
| U. S. G. S.       | 2                |   |
| Transporter       |                  |   |
| File              | 1                | ✓ |

**ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS**

hereby swear or affirm that the above is a true and correct copy of the original record.

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far  
be determined from available records.

**El Paso Natural Gas Company**

May 25, 1924

El Paso Natural Gas Company

ly or Operator. **United Industrial Gas Company**  
Frederick H. Waddy

Box 997, Farmington, New Mexico  
Address  
Petroleum Engineer  
Position or Title