

**Santa Fe, New Mexico**

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. If State Land submit 6 Copies

(Company or Operator)

## Pool

**Sale Price**

County

of Section 34 If State Land the Oil and Gas Lease No. is.....

Name of Drilling Contractor..... **Cox Drilling Co. and Company Tools**

Address.....

OIL SANDS OR ZONES

No. 2, from 3888 to 4060 (e) No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 3. from 4060 to 4485-(a) No. 6. from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

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

No. 1, from.....to.....feet.

No. 2, from ..... to ..... feet.

No. 3, from ..... to ..... feet.

No. 4, from ..... to ..... feet.

### CASING RECORD

| SIZE    | WEIGHT<br>PER FOOT | NEW OR<br>USED | AMOUNT | KIND OF<br>SHOE | CUT AND<br>PULLED FROM | PERFORATIONS | PURPOSE     |
|---------|--------------------|----------------|--------|-----------------|------------------------|--------------|-------------|
| 10-3/4" | 32.75              | New            | 161'   | Hoveo           |                        |              | surface     |
| 7"      | 20                 | New            | 4375'  | Baker           |                        |              | Prod. csg.  |
| 5-1/2"  | 15.5               | New            | 382'   | Baker           |                        |              | Prod. liner |
| 2"      | 4.7                | New            | 4551'  |                 |                        |              | Prod. thg.  |
| 1-1/4"  | 2.3                | New            | 2275'  |                 |                        |              | Siphon      |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET  | NO. SACKS OF CEMENT | METHOD USED                        | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|------------|---------------------|------------------------------------|-------------|--------------------|
| 15"          | 10-3/4"        | 171'       | 150                 | circulated                         |             |                    |
| 8-3/4"       | 7"             | 4385'      | 300                 | at 2 stages (150 sacks each stage) |             |                    |
| 6-3/4"       | 5-1/2"         | 4320-4702' | 100                 | single stage                       |             |                    |

### RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

1-24-57. T.B. 4704. CO 4620. Temp. B.P. 4335'. Water frac P.C. thru perf. int. 2238-26;  
2272-84 (bsh/ft) Divided frac w/80 rubber balls. Finish 4200 gal. I.R. both stages \$3.6 BFM.  
First stg. water, 15,870 gal. & 20,000# sand. B.D. 1800, avg. tr. pr. 1050, max. tr. pr. 1050.  
Second stg. water, 15,870 gal., 20,000# sand. B.D. 1500, avg. tr. pr. 1200, max. pr. 1300#.  
Water frac P.L. thru perf. 4485-96; 4510-27; 4532-40; 4560-72; 4575-90 (2 sh/ft) w/69,400  
gal. water & 60,000# sand. B.D. 1500#, max. tr. pr. 1600#, avg. tr. pr. 1500#. I.R. 67.2 BFM.  
Finish 7600 gal.

Result of Production Stimulation..... **A.O.F. = P.G. 1545 MCF/D and N.V. 7100 MCF/D.**

Ch. Volume = P.C. 1501 MCF/D and M.V. 4281 MCF/D

..... Depth Cleaned Out..... 4620

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

TOOLS USED

Gas Drilled

Rotary tools were used from 175 feet to 4386 feet, and from 4386 feet to 4704 feet.  
Cable tools were used from 0 feet to 175 feet, and from 175 feet to 4704 feet.

PRODUCTION

Production Completed 5-5, 19 57

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity. P.C. 1545

GAS WELL: The production during the first 24 hours was M.V. 7109 M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure 949 lbs. Ch.Vol. = P.C. 1501 MCF/D & M.V. 4281 MCF/D  
Length of Time Shut in P.C. 12 days & M.V. 30 days

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

| Southeastern New Mexico |  |  | Northwestern New Mexico |  |        |
|-------------------------|--|--|-------------------------|--|--------|
| T. Anhy.                |  |  | T. Devonian             |  | Under. |
| T. Salt.                |  |  | T. Silurian             |  | Under. |
| B. Salt.                |  |  | T. Montoya              |  | 1840   |
| T. Yates                |  |  | T. Simpson              |  | 2238   |
| T. 7 Rivers             |  |  | T. McK.                 |  | 4060   |
| T. Queer                |  |  | T. Ellenburger          |  | 4485   |
| T. Grayburg             |  |  | T. Gr. Wash.            |  |        |
| T. San Andres           |  |  | T. Grant                |  |        |
| T. Glorieta             |  |  | T.                      |  |        |
| T. Drinkard             |  |  | T.                      |  |        |
| T. Tubbs                |  |  | T.                      |  |        |
| T. Abo                  |  |  | T.                      |  |        |
| T. Penn.                |  |  | T.                      |  |        |
| T. Miss.                |  |  | T.                      |  |        |

FORMATION RECORD

| From       | To   | Thickness in Feet | Formation                                                                        | From | To | Thickness in Feet | Formation |
|------------|------|-------------------|----------------------------------------------------------------------------------|------|----|-------------------|-----------|
| Under 1840 | 1840 | 1840              | Kirtland form. Gry sh interbedded w/tight gry fine-gra ss.                       |      |    |                   |           |
|            | 2238 | 398               | Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-gra ss. |      |    |                   |           |
| 2238       | 2336 | 98                | Pictured Cliffs form. Gry, fine-gra, tight, varicolored soft ss.                 |      |    |                   |           |
| 2336       | 3888 | 1552              | Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.               |      |    |                   |           |
| 3888       | 4060 | 172               | Cliff House ss. Gry, fine-gra, dense sil ss.                                     |      |    |                   |           |
| 4060       | 4485 | 425               | Manefee form. Gry, fine-gra s, carb sh & coal.                                   |      |    |                   |           |
| 4485       | 4704 | 219               | Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.                  |      |    |                   |           |

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received /

DISTRIBUTION

|                   | NO. FURNISHED |  |
|-------------------|---------------|--|
| Operator          | 1             |  |
| Santa Fe          |               |  |
| Proration Office  |               |  |
| State Land Office |               |  |
| U. S. G. S.       |               |  |
| Transporter       |               |  |
| File              |               |  |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I 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 as can be determined from available records.

June 28, 1957

(Date)

Company or Operator El Paso Natural Gas Co.

Address Box 997, Farmington, New Mexico

Name O. J. Johnston

Petroleum Engineer