

DUPLICATE

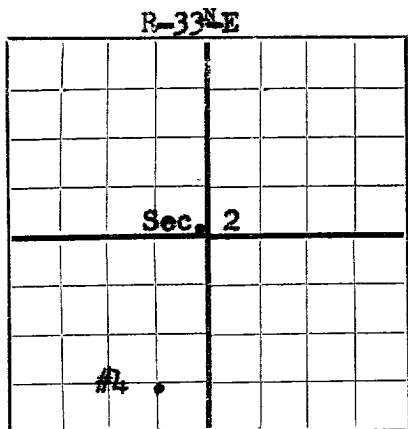
FORM C-105

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AUG 22 1951

OIL CONSERVATION COMMISSION  
HOBBBS-OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico



AREA 640 ACRES  
LOCATE WELL CORRECTLY

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Amerada Petroleum Corporation Drawer D, Monument, New Mexico  
Company or Operator Address  
State BT "D" Well No. 4 in SE/4 SW/4 of Sec. 2, T. 12-S  
Lease  
R. 33-E, N. M. P. M. Bagley-Pennsylvanian Field, Lea County.  
Well is 4720 feet south of the North line and 3300 feet west of the East line of Section 2.  
If State land the oil and gas lease is No. E-1811 Assignment No. \_\_\_\_\_  
If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_  
If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_  
The Lessee is Amerada Petroleum Corporation Address Box 2040, Tulsa 2, Oklahoma  
Drilling commenced June 13, 1951 Drilling was completed August 9, 1951  
Name of drilling contractor Creekmore Drilling Company Address Thompson Bldg., Tulsa, Okla.  
Elevation above sea level at top of casing 4237 feet.  
The information given is to be kept confidential until Not Confidential 19\_\_\_\_

OIL SANDS OR ZONES

No. 1, from 8990 to 9500 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ 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 PER FOOT  | THREADS PER INCH | MAKE         | AMOUNT       | KIND OF SHOE | CUT & FILLED FROM | PERFORATED  |             | PURPOSE             |
|----------------|------------------|------------------|--------------|--------------|--------------|-------------------|-------------|-------------|---------------------|
|                |                  |                  |              |              |              |                   | FROM        | TO          |                     |
| <u>13-3/8"</u> | <u>36#</u>       | <u>3-J.</u>      | <u>Armco</u> | <u>280'</u>  | <u>Guide</u> |                   |             |             |                     |
| <u>8-5/8"</u>  | <u>28-32#</u>    | <u>8-Rd</u>      | <u>S.S.</u>  | <u>3838'</u> | <u>Float</u> |                   |             |             |                     |
| <u>5-1/2"</u>  | <u>15.5-17</u>   | <u>8-Rd</u>      | <u>S.S.</u>  | <u>9109'</u> | <u>Float</u> |                   | <u>9045</u> | <u>9055</u> | <u>Produce Well</u> |
|                | <u>&amp; 20#</u> |                  |              |              |              |                   |             |             |                     |
|                |                  |                  |              |              |              |                   |             |             |                     |
|                |                  |                  |              |              |              |                   |             |             |                     |
|                |                  |                  |              |              |              |                   |             |             |                     |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE   | SIZE OF CASING | WHERE SET     | NO. SACKS OF CEMENT | METHODS USED       | MUD GRAVITY | AMOUNT OF MUD USED |
|----------------|----------------|---------------|---------------------|--------------------|-------------|--------------------|
| <u>17-1/4"</u> | <u>13-3/8</u>  | <u>300'</u>   | <u>225</u>          | <u>Halliburton</u> |             |                    |
| <u>11"</u>     | <u>8-5/8</u>   | <u>382 5'</u> | <u>1500</u>         | <u>Halliburton</u> |             |                    |
| <u>7-7/8"</u>  | <u>5-1/2</u>   | <u>9100'</u>  | <u>600</u>          | <u>Halliburton</u> |             |                    |
|                |                |               |                     |                    |             |                    |
|                |                |               |                     |                    |             |                    |

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters — Material \_\_\_\_\_ Size \_\_\_\_\_

RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|------|------------|----------------------------|----------|------|-----------------------|-------------------|
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |

Results of shooting or chemical treatment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Rotary tools were used from 0 feet to 9500 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

PRODUCTION

Put to producing August 14, 1951  
The production of the first 24 hours was 463.68 barrels of fluid of which 99.91 % was oil; \_\_\_\_\_ % emulsion; .09 % water; and \_\_\_\_\_ % sediment. Gravity, Be. 47.7  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

W.W. Swartz Driller C.P. White Driller  
V.A. Light Driller \_\_\_\_\_ Driller

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this 17th Monument, New Mexico August 17, 1951  
day of August, 1951 Name Dw. Tapp  
Notary Public Position Assistant District Superintendent  
Representing Amerada Petroleum Corporation  
Company or Operator  
Address \_\_\_\_\_  
My Commission expires 10-11/54

## FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION                      |
|------|------|----------------------|--------------------------------|
| 0    | 6    | 6                    | Cellar                         |
| 6    | 163  | 157                  | Caliche & Sand                 |
| 163  | 1240 | 1077                 | Red Bed                        |
| 1240 | 1565 | 325                  | Red Bed & Red Rock             |
| 1565 | 1805 | 240                  | Red Bed & Anhydrite Streaks    |
| 1805 | 1994 | 189                  | Red Bed, Anhydrite & Salt      |
| 1994 | 2250 | 256                  | Salt & Anhydrite Streaks       |
| 2250 | 2570 | 320                  | Salt, Anhydrite, & Red Rock    |
| 2570 | 2950 | 380                  | Anhydrite & Salt Streaks       |
| 2950 | 3382 | 432                  | Anhydrite & Salt               |
| 3382 | 3566 | 184                  | Anhydrite & Gyp                |
| 3566 | 3664 | 98                   | Anhydrite, Gyp & Lime          |
| 3664 | 3741 | 77                   | Anhydrite & Gyp                |
| 3741 | 3791 | 50                   | Anhydrite, Salt & Lime Streaks |
| 3791 | 3885 | 94                   | Lime & Anhydrite               |
| 3885 | 7161 | 3276                 | Lime                           |
| 7161 | 7210 | 49                   | Lime, Shale & Gyp              |
| 7210 | 7264 | 54                   | Lime & Gyp                     |
| 7264 | 7324 | 60                   | Lime                           |
| 7324 | 7815 | 491                  | Shale                          |
| 7815 | 8436 | 621                  | Shale & Lime                   |
| 8436 | 8536 | 100                  | Lime                           |
| 8536 | 8549 | 13                   | Lime & Trace of Chert          |
| 8549 | 9500 | 951                  | Lime                           |
|      | 9500 |                      | Total Depth                    |
|      | 9100 |                      | Plug Back Depth                |

## SLOPE TESTS

|      |          |
|------|----------|
| 300  | 1/2 deg. |
| 1005 | 1/2 "    |
| 1500 | 1/2 "    |
| 2002 | 1/2 "    |
| 2725 | 1/2 "    |
| 3255 | 1/4 "    |
| 3800 | 3/4 "    |
| 4226 | 1/4 "    |
| 4835 | 1/2 "    |
| 5120 | 3/4 "    |
| 5502 | 1/4 "    |
| 6308 | 1/2 "    |
| 6820 | 1/4 "    |
| 7280 | 1/4 "    |
| 7740 | 1/2 "    |
| 8080 | Straight |
| 8359 | 1/4 deg. |
| 8762 | 1/2 "    |
| 9231 | 3/4 "    |

## GEOLOGICAL DATA

|                   |            |
|-------------------|------------|
| Elevation         | 4250' D.F. |
| Top Anhydrite     | 1730       |
| Top Salt          | 1840       |
| Top Yates         | 2480       |
| Top Red Sand      | 3150       |
| Top San Andres    | 3770       |
| Top YESO          | 5130       |
| Top Paddock       | 5430       |
| Top Clearfork     | 5890       |
| Top ABO           | 7290       |
| Top Wolfcamp      | 8425       |
| Top Pennsylvanian | 8645       |

## DRILL STEM TESTS

8980' - 9060', opened 4 hours & 8 min. with good blow. Gas up in 3 min., mud in 6 min. and oil in 8 min.. In 4 hours flowed 369.62 bbls oil, 2.74 bbls BS and .28 bbls water. Gty 45.2. Gas Vol. 2,973.960 cu. ft. per day. GOR 1341. Recovered 1275' free oil, 85' Salt Water.

9329' - 9420' opened 4 hours W/strong blow, gradually decreasing to weak blow. Gas up in 52 min. Gas vol. too small to measure. Recovered 1800' Drlg. Mud, est. 60% Salt Water cut & 1% Oil cut & Hvy gas cut. Gty 46.3. Recovered 5400' heavy gas cut Salt Water.

9425' - 9500' opened 1 hour & 16 minutes. Opened W/weak blow for 7 min & died. Closed & re-opened W/weak blow for 1 min & died. Recovered 10' heavy drlg. mud - No show of oil, gas or water.