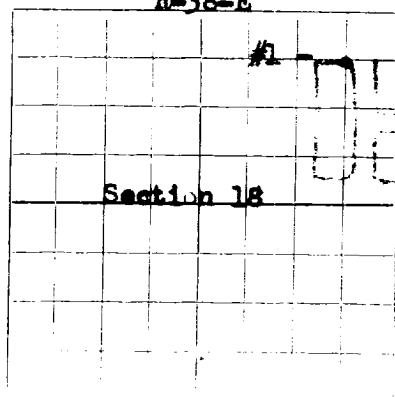


R-38-E

(Revised 7/1/52)  
(Form C-105)AREA 640 ACRES  
LOCATE WELL CORRECTLY

## 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.

Amerada Petroleum Corporation  
(Company or Operator)Mary J. Raley "A"  
(Lease)Well No. **1** in **C/NE**  $\frac{1}{4}$  of **NE**  $\frac{1}{4}$  of Sec. **18**, T. **20-S**, R. **38-E**, NMPM.**North Warren-McKee** Pool, **Lea** County.Well is **660** feet from **North** line and **660** feet from **East** line of Section **18**. If State Land the Oil and Gas Lease No. is.....Drilling Commenced **7/25/52**, 19..... Drilling was Completed **9/12/52**, 19.....Name of Drilling Contractor **Creekmore Drilling Company**Address **1515 Thompson Bldg., Tulsa, Oklahoma**Elevation above sea level at Top of Tubing Head **3558**. The information given is to be kept confidential until **Not Confidential**, 19.....

## OIL SANDS OR ZONES

No. 1, from **9095** to **9175** 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 **None** to.....feet.  
No. 2, from.....to.....feet.  
No. 3, from.....to.....feet.  
No. 4, from.....to.....feet.

## CASING RECORD

| SIZE          | WEIGHT PER FOOT   | NEW OR USED | AMOUNT      | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS          | PURPOSE           |
|---------------|-------------------|-------------|-------------|--------------|---------------------|-----------------------|-------------------|
| <b>13-3/8</b> | <b>36#</b>        | <b>New</b>  | <b>280</b>  | <b>Guide</b> |                     |                       |                   |
| <b>8-5/8</b>  | <b>32#</b>        | <b>New</b>  | <b>3689</b> | <b>Float</b> |                     |                       |                   |
| <b>5-1/2</b>  | <b>15.5-17-20</b> | <b>New</b>  | <b>9244</b> | <b>Float</b> |                     | <b>9095' to 9175'</b> | <b>Production</b> |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE  | SIZE OF CASING | WHERE SET   | NO. SACKS OF CEMENT | METHOD USED        | MUD GRAVITY | AMOUNT OF MUD USED |
|---------------|----------------|-------------|---------------------|--------------------|-------------|--------------------|
| <b>17-1/2</b> | <b>13-3/8</b>  | <b>295</b>  | <b>200</b>          | <b>Halliburton</b> |             |                    |
| <b>11</b>     | <b>8-5/8</b>   | <b>3707</b> | <b>1700</b>         | <b>Halliburton</b> |             |                    |
| <b>7-7/8</b>  | <b>5-1/2</b>   | <b>9260</b> | <b>600</b>          | <b>Halliburton</b> |             |                    |

## RECORD OF PRODUCTION AND STIMULATION

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

**Washed 5 1/2" csg. perforations from 9095' to 9175' w th 500 gallons Dowell Mud Acid -**

Result of Production Stimulation **Flowed 565.07 bbl oil, 2.74 bbl B.S. & 1.09 bbl water in 24 hours on 1/4" choke. Tbg. press. 575# Csg. press. 600# (Packer) Gas Vol. 283,960 cu ft p/d GOR 482 Qty 45.1 corrected** Depth Cleaned Out.....

RF RD OF DRILL-STEM AND SPECIAL TEST

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 9260 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing Sept. 17, 1952, 19

OIL WELL: The production during the first 24 hours was 593.51 barrels of liquid of which 99.35 was oil; - was emulsion; .19 water; and .46 was sediment. A.P.I. Gravity 45.1 corrected

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

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

| Southeastern New Mexico                |                  | Northwestern New Mexico             |                  |
|----------------------------------------|------------------|-------------------------------------|------------------|
| T. Anhy.                               | 1462             | T. Devonian                         | 7933             |
| T. Salt.                               | 1570             | T. Silurian                         | 8190 (Tentative) |
| B. Salt.                               | 2569             | T. Montoya                          | 8474             |
| T. Yates.                              | 2713             | T. Simpson                          | 8770             |
| T. <del>Monument</del> Monument Line - | 2860             | T. McKee                            | 9097             |
| T. Queen                               |                  | <del>Monument</del> Base McKee-9188 |                  |
| T. Grayburg                            | 3750 (Tentative) | T. Gr. Wash                         |                  |
| T. San Andres                          | 4054             | T. Granite                          |                  |
| T. <del>Monument</del> Clearfork -     | 5876             | T.                                  |                  |
| T. Drinkard                            |                  | T.                                  |                  |
| T. Tubbs                               | 6371             | T.                                  |                  |
| T. <del>Monument</del> Wichita -       | 6990             | T.                                  |                  |
| T. Penn.                               |                  | T.                                  |                  |
| T. Miss.                               |                  | T.                                  |                  |

FORMATION RECORD

| From | To   | Thickness in Feet | Formation                  | From             | To   | Thickness in Feet | Formation   |
|------|------|-------------------|----------------------------|------------------|------|-------------------|-------------|
| 0    | 6    | 6                 | Cellar                     |                  |      |                   | SLOPE TESTS |
| 6    | 1462 | 1456              | Red Bed                    |                  |      |                   |             |
| 1462 | 1570 | 108               | Anhydrite & Red Bed        |                  | 275' |                   | -1/2 deg.   |
| 1570 | 2569 | 999               | Anhydrite, Salt & Potash   |                  | 800  |                   | Straight    |
| 2569 | 2713 | 144               | Anhydrite                  |                  | 1300 |                   | -1/2        |
| 2713 | 2860 | 147               | Anhydrite and Sand         |                  | 2050 |                   | 1-          |
| 2860 | 4054 | 1194              | Anhydrite, Sand & Dolomite |                  | 2910 |                   | -3/4        |
| 4054 | 5353 | 1299              | Sand & Dolomite            |                  | 3250 |                   | -3/4        |
| 5353 | 6371 | 1018              | Sand, Dolomite & Chert     |                  | 3650 |                   | -3/4        |
| 6371 | 6500 | 129               | Sand & Dolomite            |                  | 4300 |                   | -3/4        |
| 6500 | 6990 | 490               | Dolomite and Lime          |                  | 5100 |                   | straight    |
| 6990 | 7933 | 943               | Dolo., Lime & Shale        |                  | 5800 |                   | straight    |
| 7933 | 8474 | 541               | Dolo., & Chert             |                  | 6530 |                   | -3/4        |
| 8474 | 8770 | 296               | Dolo., Lime, Chert & Shale |                  | 7450 |                   | -1/4        |
| 8770 | 9097 | 327               | Lime, Sand & Shale         |                  | 7700 |                   | 2-          |
| 9097 | 9188 | 91                | Sand & Shale               |                  | 8125 |                   | -3/4        |
| 9188 | 9260 | 72                | Sand, Shale & Lime         |                  | 8770 |                   | 1-3/4       |
|      | 9260 |                   | Total Depth                |                  | 9015 |                   | 1-1/4       |
|      | 9250 |                   | Drilled out Depth          |                  | 9240 |                   | 1-          |
|      |      |                   |                            | DRILL STEM TESTS |      |                   |             |
|      |      |                   |                            | None -           |      |                   |             |

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.

September 24, 1952

(Date)

Company or Operator Amerada Petroleum Corporation

Address Drawer D, Monument, New Mexico

Name

Position or Title Assistant District Superintendent