

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico 000

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.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Shell Oil Company  
(Company or Operator)

State (Sec. 7)  
(Lease)

Well No. 21, in 1/4 of SW 1/4, of Sec. 2, T. 2N, R. 27E, NMPM.

Pool, Lea County.

Well is 2805 feet from south line and 980 feet from west line

of Section 2. If State Land the Oil and Gas Lease No. is 1-2745

Drilling Commenced July 27, 1956 Drilling was Completed August 17, 1956

Name of Drilling Contractor Velma Petroleum Corp.

Address Box 1255, Hobbs, New Mexico

Elevation above sea level at Top of Tubing Head 3475'. The information given is to be kept confidential until not confidential, 19.

OIL SANDS OR ZONES

No. 1, from 5800' to 5809' 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 | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS                                        | PURPOSE        |
|---------|-----------------|-------------|--------|--------------|---------------------|-----------------------------------------------------|----------------|
| 13 3/8" | 127             | New         | 287'   |              |                     |                                                     | Surface string |
| 8 5/8"  | 322             | New         | 3135'  |              |                     |                                                     | Salt string    |
| 5 1/2"  | 15.5            | New         | 5910'  |              |                     | 5800' - 5827',<br>5838' - 5856', &<br>5871' - 5890' | 61' string     |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY          | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|----------------------|--------------------|
| 17"          | 13 3/8"        | 301'      | 300                 | Pump & Plug | Cemented to surface. |                    |
| 11"          | 8 5/8"         | 3148'     | 1400                | Pump & Plug | Cemented to surface. |                    |
| 7 7/8"       | 5 1/2"         | 5922'     | 100                 | Pump & Plug |                      |                    |

RECORD OF PRODUCTION AND STIMULATION

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

Treated thru cased perforations 5800'-5827', 5838' - 5856', & 5871' - 5890' w/2000 gallons  
FOG w/20,000 gallons called lease containing 1 1/2 sand/gallon & 1000' W.A.

Result of Production Stimulation On 8-23 flowed 250 BOPD thru 1 1/2" choke. 20-1175 gal.

API 140 psi. 605 755. Gravity 37.2 deg. API. Official completion date 8-25-56.

Depth Cleaned Out 5921'

CORD OF DRILL-STEM AND SPECIAL TE

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 5125 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing August 25, 1956  
OIL WELL: The production during the first 24 hours was 276 barrels of liquid of which 25 % was oil; % was emulsion; 5 % water; and % was sediment. A.P.I. Gravity 37.2 deg.  
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.                          | T. Devonian                      | T. Ojo Alamo          |
| T. Salt                           | T. Silurian                      | T. Kirtland-Fruitland |
| B. Salt                           | T. Montoya                       | T. Farmington         |
| T. Yates                          | T. Simpson                       | T. Pictured Cliffs    |
| T. 7 Rivers                       | T. McKee                         | T. Menefee            |
| T. Queen Colo. 3423' (-461')      | T. Ellenburger                   | T. Point Lookout      |
| T. Grayburg Colo. 3781' (-226')   | T. Gr. Wash.                     | T. Mancos             |
| T. San Andres Colo. 4030' (-543') | T. Granite                       | T. Dakota             |
| T. Glorieta Colo. 5287' (-1800')  | T. Pennrose Sand 3636' (-119')   | T. Morrison           |
| T. Drinkard                       | T. Padlock Colo. 5345' (-1858')  | T. Penn.              |
| T. Tubbs                          | T. Blin-bry Colo. 5745' (-2288') |                       |
| T. Abo                            |                                  |                       |
| T. Penn                           |                                  |                       |
| T. Miss                           |                                  |                       |

FORMATION RECORD

| From | To   | Thickness in Feet | Formation                         | From | To | Thickness in Feet | Formation |
|------|------|-------------------|-----------------------------------|------|----|-------------------|-----------|
| 0    | 178  | 178               | Surface Sands, Caliche & Red Beds |      |    |                   |           |
| 178  | 852  | 674               | Red Beds                          |      |    |                   |           |
| 852  | 2779 | 1927              | Anhydrite & Salt                  |      |    |                   |           |
| 2779 | 3003 | 224               | Anhydrite & Gypsum                |      |    |                   |           |
| 3003 | 3150 | 147               | Anhydrite & Lime                  |      |    |                   |           |
| 3150 | 5908 | 2752              | Lime & Dolomite                   |      |    |                   |           |
| 5908 | 5925 | 17                | Dolomite                          |      |    |                   |           |
|      | 5925 |                   |                                   |      |    |                   |           |

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 20, 1956 (Date)  
Company or Operator: Shell Oil Company Original signed by B. Nevill  
Address: Box 1957, Hobbs, New Mexico  
Position or Title: Division Exploitation Engineer