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AREA 640 ACRES  
LOCATE WELL CORRECTLYNEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECORDS OFFICE OCC

1960 JAN 29 AM 9:39  
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 QUINTUPPLICATE. If State Land submit 6 Copies

Shell Oil Company  
(Company or Operator)

State PD

(Lease)

Well No. 4, in SW 1/4 of NW 1/4, of Sec. 34, T. 19S, R. 35E, NMPM.

Pearl-Queen

Pool,

Lea

County.

Well is 1980 feet from north line and 660 feet from west line

of Section 34. If State Land the Oil and Gas Lease No. is E-5810

Drilling Commenced January 5, 1960. Drilling was Completed January 15, 1960

Name of Drilling Contractor Noble Drilling Company

Address Drawer 550, Midland, Texas

Elevation above sea level at Top of Tubing Head 3694'. The information given is to be kept confidential until  
Not confidential, 19

## OIL SANDS OR ZONES

No. 1, from 4971' to 4976' 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        |
|--------|-----------------|-------------|--------|--------------|---------------------|---------------|----------------|
| 8 5/8" | 32#             | new         | 85'    |              |                     |               | Surface String |
| 5 1/2" | 15.5# & 17#     | new         | 5030'  | Larkin Float |                     | 4971' - 4976' | Oil 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 |
|--------------|----------------|-----------|---------------------|-------------|---------------------|--------------------|
| 11"          | 8 5/8"         | 96'       | 85                  | Pump & Plug | Cemented to surface |                    |
| 7 7/8"       | 5 1/2"         | 5041'     | 200                 | Pump & Plug |                     |                    |
|              |                |           |                     |             |                     |                    |
|              |                |           |                     |             |                     |                    |

## RECORD OF PRODUCTION AND STIMULATION

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

Perforated 5 1/2" casing 4971' - 4976' w/4-1/2" JSPP.

Treated via casing w/20,000 gallons lease oil containing 2# sand &amp; 1/10# FL-2/gallon.

Result of Production Stimulation On OPT pumped 132 BOPD + 29 BWPD (based on 91 BO + 20 BW in 16 1/2 hours) w/12-64" SPM.

Depth Cleaned Out 5026'

RECORD OF DRILL-STEM AND SPECIAL TS

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 5050 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing January 27, 19 60.  
OIL WELL: The production during the first 24 hours was 161 barrels of liquid of which 82 % was  
was oil; % was emulsion; 18 % water; and % was sediment. A.P.I.  
Gravity 33.8 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 |  |  |
|-------------------------|---------------|----------------|-------------------------|--|--|
| Rustler 1780' (+1923')  |               |                |                         |  |  |
| T. Anhy.                |               | T. Devonian    | T. Ojo Alamo            |  |  |
| T. Salt                 |               | T. Silurian    | T. Kirtland-Fruitland   |  |  |
| B. Salt                 |               | T. Montoya     | T. Farmington           |  |  |
| T. Yates                | 3454' (+249') | T. Simpson     | T. Pictured Cliffs      |  |  |
| T. 7 Rivers             | 4005' (-302') | T. McKee       | T. Menefee              |  |  |
| T. Queen                | 4649' (-946') | T. Ellenburger | T. Point Lookout        |  |  |
| T. Grayburg             |               | T. Gr. Wash    | T. Mancos               |  |  |
| T. San Andres           |               | T. Granite     | T. Dakota               |  |  |
| T. Glorieta             |               | T.             | T. Morrison             |  |  |
| T. Drinkard             |               | T.             | T. Penn                 |  |  |
| T. Tubbs                |               | T.             | T.                      |  |  |
| T. Abo                  |               | T.             | T.                      |  |  |
| T. Penn                 |               | T.             | T.                      |  |  |
| T. Miss                 |               | T.             | T.                      |  |  |

FORMATION RECORD

| From | To   | Thickness<br>in Feet | Formation               | From | To | Thickness<br>in Feet | Formation |
|------|------|----------------------|-------------------------|------|----|----------------------|-----------|
| 0    | 50   | 50                   | Surface Sands & Caliche |      |    |                      |           |
| 50   | 1780 | 1730                 | Red Beds                |      |    |                      |           |
| 1780 | 3454 | 1674                 | Anhydrite & Salt        |      |    |                      |           |
| 3454 | 4005 | 551                  | Sand & Dolomite         |      |    |                      |           |
| 4005 | 4649 | 644                  | Dolomite                |      |    |                      |           |
| 4649 | 5050 | 401                  | Sand & Dolomite         |      |    |                      |           |

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.

January 28, 1960 (Date)  
Company or Operator Shell Oil Company Address Box 845, Roswell, New Mexico  
Name R. A. Lowery Original Signed By R. A. LOWERY Position or Title District Exploitation Engineer