

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 12182 feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

PRODUCTION

Put to Producing July 13, 19 57

OIL WELL: The production during the first 24 hours was 340 barrels of liquid of which 100 % was
was oil; - % was emulsion; - % water; and - % was sediment. A.P.I.
Gravity. 44

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. Miss. 11687 | | | T. Woodford 12038 | | |
| T. Anhy. | 2218' | | T. Devonian. | 12150 | T. Ojo Alamo. |
| T. Salt. | 2322' | | T. Silurian. | | T. Kirtland-Fruitland. |
| B. Salt. | 2730' | | T. Montoya. | | T. Farmington. |
| T. Yates. | 2818' | | T. Simpson. | | T. Pictured Cliffs. |
| T. 7 Rivers. | | | T. McKee. | | T. Menefee. |
| T. Queen. | 3545' | | T. Ellenburger. | | T. Point Lookout. |
| T. Grayburg. | | | T. Gr. Wash. | | T. Mancos. |
| T. San Andres. | 4079' | | T. Granite. | | T. Dakota. |
| T. Glorieta. | 5521' | | T. | | T. Morrison. |
| T. Drinkard. | | | T. | | T. Penn. |
| T. Tubbs. | 6915' | | T. | | T. |
| T. Abo. | 7703' | | T. | | T. |
| Permo T. Penn. | 8984' | | T. | | T. |
| T. three brothers | 9384' | | T. | | T. |
| T. Rough "A" | 9592' | | | | |
| T. Rough "C" | 9669' | | | | |

FORMATION RECORD

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|------|------|-------------------|-----------------------------|------|------|-------------------|-----------------|
| 0 | 20 | 20 | Caliche | 6660 | 6915 | 255 | Lime |
| 20 | 162 | 142 | Caliche, Red Bed & Shells | 6915 | 7195 | 280 | Lime & Shale |
| 162 | 420 | 258 | Red Bed, Red Rock & Shells | 7195 | 7405 | 210 | Lime |
| 420 | 426 | 6 | Red Rock & Shells | 7405 | 7453 | 48 | Lime & Dolomite |
| 426 | 600 | 174 | Shale, red bed & shells | 7453 | 7600 | 147 | Lime |
| 600 | 1200 | 600 | Red bed & shells | 7600 | 7695 | 95 | Lime & Dolomite |
| 1200 | 1575 | 375 | Red bed & shale | 7695 | 7764 | 69 | Lime & shale |
| 1575 | 1630 | 55 | Shale & shells | 7764 | 7869 | 105 | Shale |
| 1630 | 2250 | 620 | Red Rock & shells | 7869 | 8800 | 931 | Shale & Lime |
| 2250 | 2340 | 90 | Red Rock & Anhydrite | 8800 | 8886 | 86 | Lime |
| 2340 | 2768 | 428 | Salt, Red Rock, Anhydrite | 8886 | 8906 | 20 | Lime & shale |
| 2768 | 2844 | 76 | Red Rock & Anhydrite | 8906 | 8947 | 41 | Lime |
| 2844 | 3264 | 420 | Red Rock, Anhydrite & Salt | 8947 | 8976 | 29 | Lime & shale |
| 3264 | 3567 | 303 | Anhydrite & Salt | 8976 | 8990 | 14 | Lime |
| 3567 | 3657 | 90 | Anhydrite, Red Rock & Salt | 8990 | 9034 | 44 | Lime & shale |
| 3657 | 3791 | 134 | Anhydrite, Salt & Shale | 9034 | 9052 | 18 | Lime |
| 3791 | 4070 | 279 | Anhydrite, Red Rock & Shale | 9052 | 9078 | 26 | Lime & shale |
| 4070 | 4093 | 23 | Anhydrite & Red Rock | 9078 | 9109 | 31 | Lime |
| 4093 | 4116 | 23 | Lime | 9109 | 9152 | 43 | Lime & shale |
| 4116 | 4668 | 552 | Lime & Anhydrite | 9152 | 9168 | 16 | Lime & chert |
| 4668 | 6215 | 1547 | Lime | 9168 | 9187 | 19 | Lime |
| 6215 | 6365 | 150 | Lime & Shale | 9187 | 9202 | 15 | Lime & chert |
| 6365 | 6580 | 215 | Lime | 9202 | 9283 | 81 | Lime |
| 6580 | 6660 | 80 | Lime & Shale | 9283 | 9310 | 27 | Lime & shale |

(Continued on Attachment)

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.

July 16, 1957

Company or Operator Magnolia Petroleum Company
Name *M. Longhugh*

Address Box 2406, Hobbs, New Mexico (Date)
Position or Title District Superintendent

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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. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

Magnolia Petroleum Company

Santa Fe Pacific "D"

(Company or Operator) (Lease)

Well No. 3, in NE 1/4 of SE 1/4 of Sec. 22, T. 9-S, R. 36-E, NMPM.

Grossroads Pool, Lea County.

Well is 990 feet from East line and 1651.8 feet from South line of Section 22. If State Land the Oil and Gas Lease No. is

Drilling Commenced March 1, 1957 Drilling was Completed June 30, 1957

Name of Drilling Contractor Magnolia Petroleum Company - Rig #22

Address Box 633, Midland, Texas

Elevation above sea level at Top of Tubing Head 4045' The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 9669 to 9680 No. 4, from to

No. 2, from 12153 to 12182 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 0 to 180 feet

No. 2, from 220 to 535 feet

No. 3, from 580 to 755 feet

No. 4, from 785 to 910 feet

CASING RECORD

| SIZE | WEIGHT PER FOOT | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS | PURPOSE |
|---------|-----------------|-------------|--------|--------------|---------------------|------------------------------|---------------------|
| 13 3/8" | 48# | New | 426' | | | | Surface String |
| 8 5/8" | 24# | New | 4950' | | | | Intermediate String |
| 5 1/2" | 17 & 20# | New | 7438' | | | (Open Hole) 12153 - 12182 | 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 |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 17 1/4" | 13 3/8" | 426 | 425 | Pump & Plug | | |
| 11" | 8 5/8" | 4950 | 3250 | Pump & Plug | | |
| 7 7/8" | 5 1/2" | 12153 | 875 | Pump & Plug | | |

RECORD OF PRODUCTION AND STIMULATION

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

(See Attachment)

Result of Production Stimulation

Depth Cleaned Out