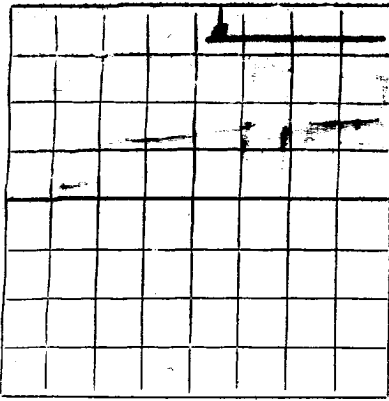


AREA 640 ACRES  
LOCATE WELL CORRECTLY

## NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE 666 Santa Fe, New Mexico

1954 MAR 29 AM 7:42

## 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.

Magnolia Petroleum Company  
(Company or Operator)New Mexico "B"  
(Lease)Well No. 3, in NW  $\frac{1}{4}$  of NE  $\frac{1}{4}$  of Sec. 27, T. 10-S, R. 32-E, NMPM.

Mescalero

Pool,

Leon

County.

Well is 330 334 feet from North line and 2310 2321 feet from East lineof Section 27. If State Land the Oil and Gas Lease No. is E-1311Drilling Commenced 12-4, 19 53 Drilling was Completed 2-21, 19 54Name of Drilling Contractor Helmerich & Payne Drilling CompanyAddress Tulsa, OklahomaElevation above sea level at Top of Tubing Head 4332. The information given is to be kept confidential until  
19     

## OIL SANDS OR ZONES

No. 1, from 8340 to 9495 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" | 48#             | New         | 465'   |              |                     |              | Surface String |
| 8 5/8"  | 32#             | New         | 4500'  |              |                     |              | Salt String    |
| 5 1/2"  | 17# & 15.50#    | New         | 4351'  |              |                     | 8321 - 8495  | Prod. 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 |
|--------------|----------------|-----------|---------------------|----------------|-------------|--------------------|
| 15"          | 13 3/8"        | 465       | 500                 | Helmerich &    |             |                    |
| 11"          | 8 5/8"         | 4500      | 3020                | Payne Drilling |             |                    |
| 7 7/8"       | 5 1/2"         | 8668      | 375                 | Company        |             |                    |

## RECORD OF PRODUCTION AND STIMULATION

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

See Attached Sheet

Result of Production Stimulation     Depth Cleaned Out

# 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 9495' feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

## PRODUCTION

Put to Producing 3-10, 19 54  
OIL WELL: The production during the first 24 hours was 188 barrels of liquid of which 99.8 % was oil; no % was emulsion; no % water; and 0.2 % was sediment. A.P.I. Gravity 47.7° API  
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

T. Anhy.  
T. Salt.  
B. Salt.  
T. Yates 2210  
T. 7 Rivers.  
T. Queen.  
T. Grayburg.  
T. San Andres 3390  
T. Glorieta 4790  
T. Drinkard.  
T. Tubbs.  
T. Abq. Penn. 7000  
T. Penn. 7980  
T. Miss.

T. Devonian.  
T. Silurian.  
T. Montoya.  
T. Simpson.  
T. McKee.  
T. Ellenburger.  
T. Gr. Wash.  
T. Granite.  
T.  
T.  
T.  
T.  
T.

### Northwestern New Mexico

T. Ojo Alamo.  
T. Kirtland-Fruitland.  
T. Farmington.  
T. Pictured Cliffs.  
T. Menefee.  
T. Point Lookout.  
T. Mancos.  
T. Dakota.  
T. Morrison.  
T. Penn.  
T.  
T.  
T.  
T.

## FORMATION RECORD

| From | To   | Thickness in Feet | Formation                  | From | To | Thickness in Feet | Formation |
|------|------|-------------------|----------------------------|------|----|-------------------|-----------|
| 0    | 465  | 465               | Caliche, sand & red bed    |      |    |                   |           |
| 465  | 1900 | 1435              | red bed                    |      |    |                   |           |
| 1900 | 3030 | 1130              | red bed, anhydrite & salt  |      |    |                   |           |
| 3030 | 3136 | 106               | anhydrite                  |      |    |                   |           |
| 3136 | 3891 | 755               | red bed, anhydrite & lime  |      |    |                   |           |
| 3891 | 4210 | 319               | anhydrite, dolomite & lime |      |    |                   |           |
| 4210 | 4811 | 601               | lime                       |      |    |                   |           |
| 4811 | 5466 | 655               | lime & sand                |      |    |                   |           |
| 5466 | 6105 | 639               | lime                       |      |    |                   |           |
| 6105 | 6152 | 47                | gyp & lime                 |      |    |                   |           |
| 6152 | 6952 | 800               | lime                       |      |    |                   |           |
| 6952 | 7272 | 320               | lime & shale               |      |    |                   |           |
| 7272 | 7415 | 143               | shale                      |      |    |                   |           |
| 7415 | 7728 | 313               | sand shale & lime          |      |    |                   |           |
| 7728 | 7933 | 205               | dolomite & lime            |      |    |                   |           |
| 7933 | 8359 | 926               | lime                       |      |    |                   |           |
| 8359 | 8981 | 122               | lime & shale               |      |    |                   |           |
| 8981 | 8995 | 14                | lime                       |      |    |                   |           |
| 8995 | 9049 | 54                | core                       |      |    |                   |           |
| 9049 | 9171 | 122               | lime & shale               |      |    |                   |           |
| 9171 | 9181 | 10                | core                       |      |    |                   |           |
| 9181 | 9286 | 105               | lime                       |      |    |                   |           |
| 9286 | 9343 | 57                | lime & shale               |      |    |                   |           |
| 9343 | 9350 | 7                 | core                       |      |    |                   |           |
| 9350 | 9495 | 145               | lime & shale               |      |    |                   |           |

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.

March 25, 1954

(Date)

Company or Operator Magnolia Petroleum Company

Address Box 727, Kermit, Texas

Name McCreary

Position or Title District Superintendent

DRILL STEM TESTS

| NO.                                                                                                                                                                       | DATE               | FROM | TO   | OPEN HOLE | TOOL SET @ | CHOKES |        | WATER CUSHION | TIME TESTED |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------|------|-----------|------------|--------|--------|---------------|-------------|
|                                                                                                                                                                           |                    |      |      |           |            | TOP    | BOTTOM |               |             |
| 1                                                                                                                                                                         | 1-27-54            | 8335 | 8385 | Open Hole | 8335       | 1"     | 3/4"   | None          | 3 hrs.      |
| Pennsylvanian - 2 pkrs, gas to surface 5 min, 143 MCF/da, SFP - 20#, BHFP - 200-475#<br>rec 1465' free oil, Gr. 45° @ 60°, 15 min SIP 2250#, 4425 in and out.             |                    |      |      |           |            |        |        |               |             |
| 2.                                                                                                                                                                        | 1-29-54            | 8381 | 8410 | Open Hole | 8381       | 1"     | 5/8"   | None          | 1 hr.       |
| Pennsylvanian - 2 pkrs, gas to surface 8 min, 104 MCF/da, SFP - 0-12, BHFP - 0-125#, rec 480' oil and gas cut mud, 20' gas cut mud, 15 min SIP 2525#, HH 4475 in and out. |                    |      |      |           |            |        |        |               |             |
| 3.                                                                                                                                                                        | 1-31-54            | 8464 | 8510 | Open Hole | 8464       | 1"     | 5/8"   | None          | 1 hr.       |
| Pennsylvanian - 2 pkrs, NTS, rec 150' gas cut drlg. mud, SFP - 0, BHFP - 0, 15 min SIP 450, HH 4775 in and out.                                                           |                    |      |      |           |            |        |        |               |             |
| 4.                                                                                                                                                                        | 2-13-54            | 9140 | 9181 | Open Hole | 9335       | 1"     | 5/8"   | None          | 1 hr.       |
| Pennsylvanian - 2 pkrs, gas to surface 3 min, 22 MCF/da, SFP - 0, BHFP - 0, rec 30' gas cut drlg. mud, 15 min SIP - 1550#, HH 4875 in and out.                            |                    |      |      |           |            |        |        |               |             |
| 5.                                                                                                                                                                        | <del>2-14-54</del> | 9335 | 9350 | Open Hole | 9335       | 1"     | 5/8"   | None          | 1 hr.       |
| Pennsylvanian - 2 pkrs, NTS, rec 20' slightly gas cut drlg. mud, SFP - 0#, BHFP - 30#, 15 min SIP 30#, HH 5151# in and 5100# out.                                         |                    |      |      |           |            |        |        |               |             |

DEVIATION SURVEY

| DEGREES |              | DEGREES |              | DEGREES |              | DEGREES |              |
|---------|--------------|---------|--------------|---------|--------------|---------|--------------|
| DEPTH   | OFF VERTICAL | DEPTH   | OFF VERTICAL | DEPTH   | OFF VERTICAL | DEPTH   | OFF VERTICAL |
| 200     | 1/4          | 3750    | 1 1/4        | 6735    | 1 3/4        | 8610    | 1 3/4        |
| 440     | 3/4          | 3900    | 1            | 6912    | 1 1/2        | 8710    | 1 1/2        |
| 750     | 1/2          | 4390    | 1/2          | 7175    | 2            | 8790    | 1 3/4        |
| 1050    | 1/2          | 4470    | 1            | 7560    | 1 1/4        | 8820    | 1            |
| 1150    | 1/4          | 4600    | 1/2          | 7650    | 1            | 8915    | 2 1/2        |
| 1535    | 1/2          | 4730    | 1 1/4        | 7730    | 1/2          | 8950    | 2            |
| 1975    | 1/4          | 5000    | 1            | 7830    | 1 3/4        | 8990    | 1 3/4        |
| 2040    | 3/4          | 5255    | 1 1/2        | 7925    | 1/2          | 9045    | 1 1/2        |
| 2865    | 1/2          | 5450    | 1/2          | 7960    | 1            | 9100    | 2 1/2        |
| 3040    | 1            | 5750    | 1            | 8140    | 1/2          | 9160    | 1 1/2        |
| 3165    | 1/2          | 6085    | 1 1/2        | 8165    | 1            | 9230    | 2            |
| 3250    | 3/4          | 6210    | 1 1/4        | 8225    | 1/2          | 9310    | 1 1/2        |
| 3365    | 1            | 6300    | 1            | 8285    | 3/4          | 9430    | 1 1/4        |
| 3650    | 3/4          |         |              | 8450    | 1            |         |              |

CORE RECORD

| NO. | FROM | TO   | REC | DESCRIPTION                                                                                                                                                                                                                                                                                                                                      |
|-----|------|------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | 8995 | 9049 | 54' | 8995 - 9029 Finely crystalline brown line w/shale streaks, no shows.<br>9029 - 9049 Finely crystalline brown to dark brown limestone w/<br>interbedded black shale, no shows.                                                                                                                                                                    |
| 2   | 9171 | 9181 | 9'  | Line and shale, no shows.                                                                                                                                                                                                                                                                                                                        |
| 3   | 9343 | 9350 | 7'  | 9343 - 9343 1/2 Medium to coarse grain sand w/15% porosity, good stain,<br>odor and fluorescence, bleeding gas.<br>9343 1/2 - 9344 1/2 Medium to coarse grain light gray sand 5% porosity,<br>poor stain.<br>9344 1/2 - 9348 Finely crystalline dark brown dolomite w/scattered<br>shale partings.<br>9348 - 9350 Dark brown dolomite, no shows. |

