

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

| | |
|--|---------------------------------|
| Magnolia Petroleum Company (Company or Operator) | State Bridges (Lease) |
|--|---------------------------------|

Well No. 93, in NW 1/4 of SE 1/4, of Sec. 3, T. 17S, R. 34E, NMPM.

Vacuum **Pool,** **Lea** **County.**

Well is 1980 feet from South line and 1980 feet from East line
of Section 3. If State Land the Oil and Gas Lease No. is B-1520

Drilling Commenced 8-16, 1958 Drilling was Completed 8-26, 1958

Name of Drilling Contractor.....Yates Drilling Company.....

Address.....**Artesia, New Mexico**.....

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

OIL SANDS OR ZONES

No. 1, from 4675 to 4711 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" | 24# | New | 1665 | | | | Surface |
| 5 1/2" | 14# | New | 4660 | | | | 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" | 1665 | 800 | Pump & plug | | |
| 7 7/8" | 5 1/2" | 4660 | 1100 | Pump & plug | | |
| | | | | | | |

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.....

CORD OF DRILL-STEM AND SPECIAL TI

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.....4711.....feet, and from.....feet to.....feet.
Cable tools were used from.....feet to.....feet, and from.....feet to.....feet.

PRODUCTION

Put to Producing.....2-11....., 19.58

OIL WELL: The production during the first 24 hours was.....21.....barrels of liquid of which.....90.....% was
was oil;% was emulsion;10.....% water; and.....% was sediment. A.P.I.
Gravity.....36.5° @ 60°

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.....1640' | T. Devonian..... | T. Ojo Alamo..... |
| T. Salt.....1745' | T. Silurian..... | T. Kirtland-Fruitland..... |
| B. Salt.....2730' | T. Montoya..... | T. Farmington..... |
| T. Yates.....2920' | T. Simpson..... | T. Pictured Cliffs..... |
| T. 7 Rivers..... | T. McKee..... | T. Menefee..... |
| T. Queen.....3860' | T. Ellenburger..... | T. Point Lookout..... |
| T. Grayburg..... | T. Gr. Wash..... | T. Mancos..... |
| T. San Andres.....1645' | 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 in Feet | Formation | From | To | Thickness in Feet | Formation |
|------|------|----------------------|------------------|------|----|----------------------|-----------|
| 0 | 526 | 526 | Surface sand | | | | |
| 526 | 1065 | 539 | Red Bed | | | | |
| 1065 | 1363 | 298 | Red Bed & Gyp. | | | | |
| 1363 | 2096 | 733 | Red Bed | | | | |
| 2096 | 3175 | 1079 | Anhydrite & salt | | | | |
| 3175 | 3640 | 465 | Anhydrite | | | | |
| 3640 | 3980 | 340 | Anhydrite & Gyp | | | | |
| 3980 | 4565 | 585 | Anhydrite & lime | | | | |
| 4565 | 4711 | 146 | Lime | | | | |

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 15, 1958
(Date)

Company or Operator.....Magnolia Petroleum Company.....

Address.....Box 2406, Hobbs, New Mexico.....

Name.....M. Young, Jr.....

Position or Title.....District Superintendent.....

Attachment: State Bridges #93

Totco Deviation Survey

| <u>Depth</u> | <u>Degrees Off Vertical</u> |
|--------------|-----------------------------|
| 300 | 1/2 |
| 497 | 1 |
| 815 | 3/4 |
| 1032 | 3/4 |
| 2300 | 1/4 |
| 2300 | 3/4 |
| 3400 | 3/4 |
| 4050 | 1/4 |

Drill Stem Tests

None.

Core Record

None.

Acidizing or Other Completion Operation

8-29-58 The Western Company acidized open hole 4660-4711 w/3000 gals 15% Special Low Tension. Treat 2900-3600. 35 Min. Inj Rate 2.1 BPM. 5 Min SI 2200. 30 Min 500-0#. Swab 25 BIO 4 hrs. Swab 19 BNO / 12 BAW 3 hrs. Last hr 1 BNO. 100' FIH. 60 BAW to recover.

8-31-58 The Western Company re-acidized open hole 4660-4711 w/15000 gals 15% Special Low Tension. TP 4400-4500. 56 Min. 6.2 BPM. 10 Min SI 2000#. 50 Min SI 1500#. Open on 1" chokes, flowed 25 BIO / 16 BNO 1 hr. TP 1500-0. Swab 20 BNO / 142 BAW 18 hrs. 1000 FIH. 268 BAW to rec.

1. The first part of the report

2. The second part of the report

3. The third part of the report

4. The fourth part of the report

5. The fifth part of the report

6. The sixth part of the report

7. The seventh part of the report

8. The eighth part of the report

9. The ninth part of the report