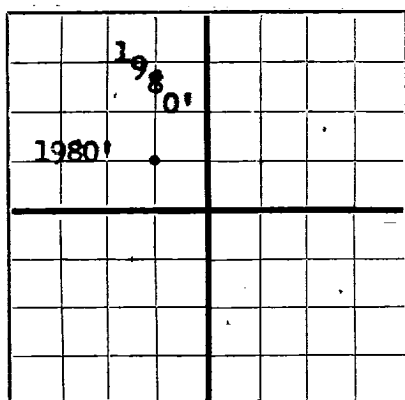


DUPLICATE

FORM C-105

N



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
FEB 9 1948
HOBBBS OFFICE

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Magnolia Petroleum Company
Company or Operator
E. O. Carson
Lease
Well No. **8 D/D** in **W/A** of Sec. **33**, T. **21-S**
R. **37-E**, N. M. P. M., **Drinkard** Field, **Lea** County.
Well is **1980** feet south of the North line and **1980** feet **east** **West** of the **West** line of **Section 33**.
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is **E. O. Carson**, Address **Merkel, Texas**
If Government land the permittee is, Address.
The Lessee is **Magnolia Petroleum Company**, Address **Box 727, Kermit, Texas**
Drilling **Deeper** commenced **November 20** 19 **47** Drilling **Deeper** was completed **December 13** 19 **47**
Name of drilling contractor **J. C. Hawkins**, Address **2210 Mercantile Bldg. Dallas, Texas**
Elevation above sea level at top of casing **3464'** feet.
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from **6590** to **6610** No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS **None.**

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 | THREADS PER INCH | MAKE | AMOUNT | KIND OF SHOE | OUT & FILLED FROM | PERFORATED | | PURPOSE |
|-------------|-----------------|------------------|-----------------|-------------|--------------------|-------------------|-------------|-------------|-------------------|
| | | | | | | | FROM | TO | |
| 5"OD | 15# | SRT | J-55 | 6615 | Halliburton | | 6590 | 6610 | Oil String |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 2" | 4.7# | SRT | BUH H-40 | 6613 | | | | | |
| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|--------------|---------------------|------------------------|-------------|--------------------|
| 6-1/4 | 5" | 6615' | 275 | Pump & Plug | | |
| | | | | | | |
| | | | | | | |

PLUGS AND ADAPTERS **None.**

Heaving plug—Material Length Depth Set
Adapters — Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|------|------------|----------------------------|-------------------|-----------------|-----------------------|-------------------|
| | | Mud acid | 500 gals. | 12-20-47 | 6590-6610 | |
| | | 20% low ten. acid | 2000 gals. | 12-22-47 | 6590-6610 | |
| | | 20% low ten. acid | 5000 gals. | 12-23-47 | 6590-6610 | |

Results of shooting or chemical treatment **Completing well.**

RECORD OF DRILL-STEM AND SPECIAL TESTS **See reverse side.**

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 **3775** feet to **6610** feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing **December 24,** 19 **47**
The production of the first **24** hours was **80.49** barrels of fluid of which **100%** was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, Be. **39.4 @ 60°**
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

Driller Driller
Driller Driller

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this **5th** day of **February** 19 **48**
Kermit, Texas, **February 5, 1948**
Name **E. O. Carson**
Position **District Superintendent**
Representing **Magnolia Petroleum Company**
Company or Operator
Address **Box 727, Kermit, Texas**
My Commission expires **June 1, 1949**

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|------|----------------------|---|
| 0 | 1.2 | 1.2 | From top of rotary drive bushing to derrick floor. |
| 1.2 | 12.3 | 11.1 | From derrick floor to top of 7" OD casing. |
| 3672 | 3783 | 111 | Halliburton ran Caliper Surv. - Ranges 6 1/2 to 7-3/4 |
| 3775 | 4095 | 320 | Lime 2° @ 4000. |
| 4095 | 4150 | 55 | No form. logged 1 1/2° @ 4100 |
| 4150 | 4478 | 328 | Lime 1-7/8° @ 4160; 1-3/4° @ 4250'; 1 1/2° @ 4315. 7/8° @ 4465. |
| 4478 | 4494 | 16 | Lime & sand 3/4° @ 4585. |
| 4494 | 5476 | 982 | Lime 1/2° @ 4650; Straight @ 4850; 1/2° @ 5050; 3/4° @ 5250; 1° @ 5370. |
| 5476 | 5520 | 44 | No form. logged |
| 5520 | 5569 | 49 | Lime 3/4° @ 5549. |
| 5569 | 5658 | 89 | No form. logged |
| 5658 | 5715 | 57 | Lime |
| 5715 | 5722 | 7 | No form. logged |
| 5722 | 5813 | 91 | Lime |
| 5813 | 5882 | 69 | No form. logged 3/4° @ 5880. |
| 5882 | 6001 | 119 | Lime |
| 6001 | 6035 | 34 | No form. logged |
| 6035 | 6072 | 37 | Lime 1 1/2° @ 6150. |
| 6072 | 6162 | 90 | No form. logged |
| 6162 | 6520 | 358 | Lime 1° @ 6270, 6420; Gas 6460-6480, gas & oil 6485-6505; Porosity & staining av. 7-8 MPF. |
| 6485 | 6520 | 35 | D.S.T. - (Double Packer) Tool open 26 min. thru 5/8" BHC & 1" surface choke, gas 2 min., est. 5160 MCF, gas 24 hrs., SFP 250#; Rec. 30' distillate, 10' drlg. mud, Grav. 55.6 @ 60°; BHFP 1100#; 15 min. S-I BHP 2100#; Hyd. hd. 3000#. |
| 6520 | 6575 | 55 | Lime |
| 6515 | 6575 | 60 | D.S.T. - (2 packers) Tool open 1 1/2 hrs. thru 5/8" BHC & 1" surface choke, gas 30 min., slight blow increasing to fair blow @ end of test, (Est. 24 hr. gas vol. 10.25 MCF); SFP 0#; BHFP 115#; 15 min. S-I BHP 660#; Hyd. hd. 3350#; Rec. 90' slightly oil & gas cut mud, 210' heavy oil & gas cut mud. |
| 6575 | 6615 | 40 | Lime Drlg. time 6603-6608, av. 8 MPF. Porosity & staining. |
| 6574 | 6615 | 41 | D.S.T. - (2 packers) Tool open 1 1/2 hrs. thru 5/8" BHC & 1" surface choke, gas 6 min., good blow thru out test; Est. 24 hr. gas vol. 13.02 MCF; Rec. 95' slightly oil & gas cut mud; SFP 0#; BHFP 55#; S-I 15 min. BHP 2110#; Hyd. hd. 3370#. |
| 6576 | | | Top of cement. <u>Set 5" OD casing @ 6615' w/275 sav. and centralizers set @ 5042.02, 5074.68, 5105.75, 5139.51, 6448.05, 6480.42, 6512.76, 6542.20, 6574.31, 6608.33.</u> |
| 6576 | 6613 | 37 | Drilled out. |
| 6590 | 6610 | 20 | McGallough Tools perf. 5" OD casing w/4 SFP, 80 holes. <u>Run 2" tubing @ 6613'.</u> |
| 6590 | 6610 | 20 | Western Co. acidized perf. w/500 gals. mud acid, 2000#-1650# 1 hr. 23 min., 4/10 BPM. |
| 6590 | 6610 | 20 | Western Co. re-acidized perf. w/2000 gals. 20% low tension, 1650#-1450#, 50 min., 1.4 bbls. per minute. |
| 6590 | 6610 | 20 | Western Co. re-acidized perf. w/5000 gals. 20% low tension, 1300#-1150#, 1 hr. 15 min., 1.6 to 2.6 bbls. per minute. |
| | | | <u>TEST</u> - Flowed 80.49 bbls. oil 5 1/2 hrs. thru 1/2" positive choke; GP 1140-415#; TP 800-125#; GGR 1480/l. Corr. Grav. 39.4 @ 60°; Est. cap. 325 bbls. Est. 519.79 MCF. |