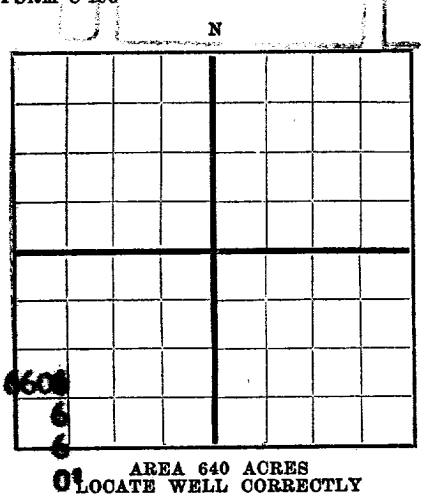
DUPLICATE

FORM C-105




AREA 640 ACRES
LOCATE WELL CORRECTLY

RECEIVED
JAN 28 1949
HOBBS OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

# 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) Box 727, Kermit, Texas (Address)

Santa Fe Pacific "C" (Lease) Well No. 1 Unf. in SW/4 of Sec. 26, T. 9-S

R. 36-E, N. M. P. M., Crossroads Field, Lea County.

Well is 660 feet ~~south~~ north of the ~~North~~ south line and 660 feet ~~West~~ east of the ~~East~~ west line of Section 26

If State land the oil and gas lease is No. ..... Assignment No. .....

If patented land the owner is Santa Fe Pacific Ry Company, Address Amarillo, Texas

If Government land the permittee is ....., Address .....

The Lessee is Magnolia Petroleum Company, Address Box 727, Kermit, Texas

Drilling commenced May 29 19 48. Drilling was completed December 23 19 48

Name of drilling contractor Black Drilling Company, Address Midland, Texas

Elevation above sea level at top of casing 4030' feet.

The information given is to be kept confidential until - - - - - - - 19.....

## OIL SANDS OR ZONES

No. 1, from 12240 to 12263 No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

## IMPORTANT WATER SANDS none logged

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 | CUT & FILLED FROM | PERFORATED FROM | PERFORATED TO | PURPOSE |
|---|---|---|---|---|---|---|---|---|---|
| 13-3/8" | 48# | 8-RT | Sals. | 320 | Halliburton | | | | Surface |
| 9-5/8" | 40# | 8-RT | N-80 | | | | | | |
| 9-5/8" | 36# | 8-RT | N-80 | | | | | | |
| 9-5/8" | 40# | 8-RT | J-55 | 6198 | Halliburton | | | | Intermediate |
| 7" | 32# | Spang | N-80 | | | | | | |
| 7" | 29# | 8-RT | N-80 | 12240 | | | | | Oil String |
| 2" | 4.7# | EUE | N-80 | 12263 | | | | | |
| 2" | 4.7# | 8-RT | J-55 | | | | | | |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---|---|---|---|---|---|---|
| 17½" | 13-3/8" | 320 | 300 | Pump & plug | | |
| 12¼" | 9-5/8" | 6198 | 3000 | Pump & plug | | |
| 8-3/4 | 7" | 12240 | 250 & 1500 | Pump & plug | | |
| | | | | | | |

## PLUGS AND ADAPTERS see reverse

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 |
|---|---|---|---|---|---|---|
| | | NONE USED | | | | |
| | | | | | | |
| | | | | | | |

Results of shooting or chemical treatment .....

## 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 12263 feet, and from ..... feet to ..... feet

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

## PRODUCTION

Put to producing January 11, 19 49

The production of the first 24 hours was 328 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be. 44.4 @ 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 25th day of January 19 49

Notary Public in and for Winkler County, Texas

My Commission expires June 1, 1949

Kermit, Texas (Place) January 25, 1949 (Date)

Name [signature]

Position Dist. Supt.

Representing Magnolia Petroleum Company (Company or Operator)

Address Box 727, Kermit, Texas

## FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION | |
|---|---|---|---|---|
| 7542 | 7595 | 53 | Anhydrite and lime | |
| 7595 | 7707 | 112 | Lime | 1/2° @ 7660. |
| 7707 | 7720 | 13 | Lime, anhydrite & gyp | |
| 7720 | 7744 | 24 | Lime and gyp | |
| 7744 | 7750 | 6 | Red shale | |
| 7750 | 7789 | 39 | Red and blue shale | |
| 7789 | 7820 | 31 | Blue shale | |
| 7820 | 7854 | 34 | Shale | |
| 7854 | 7870 | 16 | Lime and shale | |
| 7870 | 8095 | 225 | Shale and gyp | 1-1/4° @ 8000'. |
| 8095 | 8134 | 39 | Shale | |
| 8134 | 8220 | 86 | Shale and lime | 1-1/2° @ 8160. |
| 8220 | 8222 | 2 | Shale | |
| 8222 | 8247 | 25 | Shale and lime | |
| 8247 | 8280 | 33 | Shale | |
| 8280 | 8300 | 20 | Shale and lime | |
| 8300 | 8310 | 10 | No formation logged | 1-1/2° @ 8305. |
| 8310 | 8695 | 385 | Shale and lime | 1-1/4° @ 8600. |
| 8695 | 8714 | 19 | Brown lime | |
| 8714 | 9330 | 616 | Lime | 3/4° @ 8995, 1/2° @ 9255, 1/2° @ 9285. |
| 9330 | 9349 | 19 | Lime and shale | |
| 9349 | 10085 | 736 | Lime | 1° @ 9475, Straight @ 9780', Straight @ 9930, 1° @ 10080. |
| 10085 | 10095 | 10 | Lime and shale | |
| 10095 | 10200 | 105 | Lime | |
| 10200 | 10300 | 100 | Lime and shale | 3/4° @ 10250 |
| 10300 | 10480 | 180 | Lime | 1° @ 10365. |
| 10480 | 10510 | 30 | Lime and shale | |
| 10510 | 10517 | 7 | Lime | |
| 10517 | 10655 | 138 | Lime and shale | Straight @ 10600 |
| 10655 | 11013 | 358 | Lime | 3/4° @ 10700, 1° @ 10755, St. @ 10805, 1° @ 10890, 1/4° @ 10965. |
| 11013 | 11033 | 20 | Lime and shale | |
| 11033 | 11097 | 64 | Lime | 1° @ 11035, 1° @ 11080. |
| 11097 | 11112 | 15 | Shale and lime | |
| 11112 | 11344 | 232 | Lime | 1° @ 11120, 1° @ 11160, 3/2° @ 11200, 1° @ 11225, 3/4° @ 11260, 1° @ 11305. |
| 11344 | 11364 | 20 | Lime and shale | |
| 11364 | 11444 | 80 | Lime | 1/2° @ 11365, 1/2° @ 11420. |
| 11444 | 11487 | 43 | Lime and shale | 1/4° @ 11485. |
| 11487 | 11573 | 86 | Lime | 1/4° @ 11530. |
| 11573 | 11602 | 29 | Lime and shale | 1/2° @ 11585. |
| 11602 | 11630 | 28 | Lime | 1/2° @ 11625. |
| 11630 | 11660 | 30 | Lime and shale | |
| 11660 | 11666 | 6 | Lime and chert | |
| 11666 | 11670 | 4 | No formation logged | |
| 11670 | 11720 | 50 | Lime | 1° @ 11695, 1/4° @ 11720. |
| 11720 | 11722 | 2 | Chert and lime | |
| 11722 | 11755 | 33 | Lime | 1° @ 11745. |
| 11755 | 11777 | 22 | Lime and chert | 1° @ 11765, |
| 11777 | 11785 | 8 | Lime | |
| 11785 | 11788 | 3 | No formation logged | |
| 11788 | 11813 | 25 | Lime and chert | 1-3/4° @ 11800 |
| 11813 | 11820 | 7 | Chert | 2° @ 11820 |
| 11820 | 11827 | 7 | Lime and chert | |
| 11827 | 11832 | 5 | Chert | |
| 11832 | 11837 | 5 | Lime and chert | 2-1/4° @ 11832. |
| 11837 | 11848 | 11 | Lime, dolomite and chert shells | |
| 11848 | 11882 | 34 | Lime | 2° @ 11850 |
| 11882 | 11891 | 9 | Lime and chert | 2-1/2° @ 11885. |
| 11891 | 11910 | 19 | Lime | 1-3/4° @ 11900 |
| 11910 | 11939 | 29 | Lime and chert | 2-1/4° @ 11930 |
| 11939 | 11944 | 5 | Lime | Straight @ 11940 |
| 11944 | 11949 | 5 | No formation logged | |
| 11949 | 11956 | 7 | Lime and chert | |
| 11956 | 11980 | 24 | Lime | 1-3/4° @ 11950. |
| 11980 | 12071 | 91 | Lime and shale | 1-3/4° @ 11975. |
| 12071 | 12082 | 11 | Lime | 2° @ 12070. |
| 12082 | 12101 | 19 | Lime and chert | |
| 12101 | 12110 | 9 | Lime | |
| 12110 | 12136 | 26 | Lime and shale | |
| 12136 | 12141 | 5 | Lime, shale & sand | 2-1/2° @ 12140. |
| 12141 | 12202 | 61 | Lime and shale | |
| 12202 | 12226 | 24 | Lime | Ran top Devonian 12210'. |
| 12226 | 12244 | 18 | Dolomite, lime & shale | |
| 12191 | 12244 | 53 | Drill Stem Test | 2 packers 5/8" BHC & 1" SC, 3000'WC tool opened 19 mins. Weak blow air 5 mins & died, tool re-opened 18 mins. weak blow air 8 mins. & died, Rec. 3000' WC 60'drlg.mud SFP 0#, BHFP 1300#, 15 min. S-I BHP 1400# Hy Hd 6800#. |
| 12244 | 12259 | 15 | Dolomite and lime | |
| 12259 | 12263 | 4 | Dolomite, lime & chert - Lost circ. | |
| | 12263 | | TOTAL DEPTH | |
| 12263 | 12257 | 6 | 25 sax cement | WOC 6 hrs. |
| 12257 | 12253½ | 3½ | 25 sax cement | WOC 6 hrs. |
| 12253½ | 11929 | 324½ | 25 sax cement | |
| | 12240 | | Drilled out cement | |
| | 12240 | | Halliburton Ran | |
| | | | Caliper survey | 12-1/2" at 8400'. |
| | 12240 | | Ran Schlumberger | |
| | | | | Ran 7" OD csg. @ 12240' w/ Multiplex collar @11824 250 sax below collar WOC 6 hrs. 1500 sax thru the collar. |
| | | | Float shoe @ 12242.62. Float collar @ 12208.60, 12175.79. Metal Petal Baskets @ 11071.13, 11040.56. Baffle collar @ 10993.15, Centralizers @ 12237.62, 11827.99, 11456.69, 11113.04, 11051.13, 11029.56, 11089.56, 10968.15, 10503.35, 10005.42, 9498.12, 9008.87, 8512.53, 8027.29, 7529.44, 7049.22, 6554.31, 6243.48, & 6181.28. | |
| 5100 | 10680 | 6780 | Halliburton Ran | |
| | | | Temp. Survey | Approx. top cement 6390'. |
| | | | Tested 7" OD casg. before drilling out cement 2000# 30 mins. no break, Drilled past Multiplex collar 2000# 30 mins., no break. | |
| | | | | 2" tubing @ 12263. |
| | 12263 | | Drilled out cement | |

NM OCC Pot. Test: Flowed 379.3 bbls. fluid (328 oil) 24 hrs. 10/64" choke. TP 300-300#, CP 650-650#, GOR 7.7/1. Gravity 44.4 @ 60°. Avg. 13.6% mud (drlg.)