

TRIPPLICATE

NOV 11 1947

FORM C-105

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NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Grid for well location with a crosshair indicating the well location.

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 TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

AREA 640 ACRES LOCATE WELL CORRECTLY

Magnolia Petroleum Company

Box 727, Kermit, Texas

C. Hardy Company or Operator Well No. 3 D/D in NW/4 of Sec. 29, T. 21-S

R. 37-E, N. M. P. M., Drinkard Field, Lea County.

Well is 660 feet south of the North line and 1980 feet west of the East line of Section 29.

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

If patented land the owner is C. Hardy, Address: Eunice, New Mexico

If Government land the permittee is, Address:

The Lessee is Deeper, Address:

Drilling commenced May 7, 1947 Drilling completed June 3, 1947

Name of drilling contractor: New Mexico Drilling Tools, Address: Box 727, Kermit, Texas

Elevation above sea level at top of casing: 3488 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 6590 to 6645 No. 4, from to No. 2, from to No. 5, from to No. 3, from to No. 6, from to

None 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

Table with columns: SIZE, WEIGHT PER FOOT, THREADS PER INCH, MAKE, AMOUNT, KIND OF SHOE, OUT & FILLED FROM, PERFORATED (FROM, TO), PURPOSE. Includes entries for 5" OD and 2" casing.

MUDDING AND CEMENTING RECORD

Table with columns: SIZE OF HOLE, SIZE OF CASING, WHERE SET, NO. SACKS OF CEMENT, METHODS USED, MUD GRAVITY, AMOUNT OF MUD USED. Includes entry for 6-1/4 hole size.

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set. Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

Table with columns: SIZE, SHELL USED, EXPLOSIVE OR CHEMICAL USED, QUANTITY, DATE, DEPTH SHOT OR TREATED, DEPTH CLEANED OUT. Includes entry for Acid treatment.

Results of shooting or chemical treatment: To complete well.

See reverse side. 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 203824 feet to 6650 feet, and from feet to feet. Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to producing June 10, 1947. The production of the first 24 hours was est. 234 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, Be. 36.4° @ 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

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 28th day of October, 1947. DAN B. COM Notary Public in and for West Texas. My Commission expires June 1, 1949. Name: R. F. Daniel, District Superintendent, Magnolia Petroleum Company, Box 727, Kermit, Texas. Date: October 28, 1947.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	2.4'	2.4'	Top of rotary drive bushing to derrick floor
2.4'	12.2'	9.8'	From derrick floor to top of 7" OD casing
3714	3824	110	Halliburton ran Calipers
3824	3644	180	100 sax cement fill hole
3644	3824	180	Drilled out cement
3824	3828	4	No formation logged
3828	4492	664	Lime 3/4° @ 4074; 1/2° @ 4406; Lost circulation completely at 4492. Mixed 2 pits mud, no returns. No fill-up.
4492	4492	0	100 sax cement fill hole
4492	4460	32	100 sax cement fill hole
4460	4192	268	100 sax cement fill hole
4192	4492	300	Drilled out cement
4492	4530	38	Lime Lost circulation @4530'.
4530	4430	100	100 sax cement fill hole
4430	4040	390	100 sax cement fill hole
4040	4530	490	Drilled out cement
4530	5204	674	Lime SLC 5042 = 5043
5174	5204	30	Drill stem test . thru Tool open 2½ hrs. thru 5/8" BHC & 1" surface choke, gas in 37 min. (insufficient to measure) surface flowing pressure 0#, BHFP 0#-350#, s-1 BHP 1700# after 15 min. Rec. 270' heavily sour oil cut slightly gas cut drlg. mud, 990' salt water.
5204	5517	313	Lime
5517	5548	31	Lime, hard
5548	6575	1027	Lime 1/2° @ 5550; 1¼° @ 6430.
6547	6575	28	Drill stem test Tool open 2½ hrs. thru 5/8" BHC & 1" surface choke, gas 78 min. (in- sufficient to measure) surface flowing pressure 0"; BHFP 0#; s-1 BHP 15 min. 0#. Rec. 30' slightly oil and gas cut drlg. mud, 120' heavily oil and gas cut drlg. mud.
6575	6650	75	Lime
6574	6650	76	Drill stem test Tool open 4 hrs. thru 5/8" BHC & 1" surface choke, gas 8 min. (700 MCF 24 hrs.), mud 2½ hrs. oil 3 hrs. 20 min., flowed by heads 40 min. oil insufficient to measure, surface FP 0#; BHFP 200#-800#, s-1 BHP packer pulled loose, un- loaded after pulling 14 dry stands. Set 5-1/2" OD casing w/215 sax @ 6650' w/cen- tralizers set @ 6643, 6609, 6577, 6546, 6515, 6484, 6453, 6423, 5341, 5310, 5279, 5248, 5216, 5185, 5153, 5122.
	6650	6650	TOTAL DEPTH
	6650	6650	Drilled out to
	6643	6643	Lane Wells ran Gamma Ray and Neutron Log to
6590	6645	55	McCullough Tools perforated 5" OD casing w/3 S.P.F., 165 shots
6590	6645	55	Western acidized perforations w/2000 gals. 20% low tension, CP 3000#-2600#- 1950# in 2 hrs. 14 min. TEST: Flowed 87.75 bbls. oil 9 hrs. thru 1/2" choke, TP 150#-125#, CP 0#-0#; GOR 100L/1, (267 MCF 24 hrs.), Corr. Grav. 36.4, No B.S.&W., Est. 24 hrs. cap. 234 bbls., Daily allow. 75 bbls.