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NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

3306

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

Company or Operator

Marshall Unit

Well No. 6 in 34/4 of Sec. 34, T. 21-S

Address

21-S

Lease

B. 37-E, N. M. P. M., Paddock Lea County.

Well is 2230 feet south of the North line and 330 feet west of the East line of Section 34

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

If patented land the owner is Rosie Marshall, Address Dunice, New Mexico

If Government land the permittee is, Address

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

Drilling commenced August 18, 1938 Drilling was completed October 5, 1948

Name of drilling contractor Elliott and Reed Drilling Co., Address Box 476, Hobbs, New Mexico

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 5160 to 5170 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		PURPOSE
							FROM	TO	
13-3/8"	32.48	SPT	Spiral	318.36	Halliburton				Surface
13-3/8"	48	SPT	H-40EN		Halliburton				
8-5/8"	32	SPT	J-55 EN	2848	Halliburton				Intermediate Oil String
5-1/2"	17	SPT	J-55 EN	5313	Halliburton				
2"	4.78	SPT	J-55 SS	5286					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	13-3/8"	318.36	250	Pump & Plug		
11"	8-5/8"	2848	1500	Pump & Plug		
7-7/8"	5-1/2"	5313	450	Pump & Plug		

PLUGS AND ADAPTERS

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 7477 feet, and from feet to feet

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

PRODUCTION

Put to producing October 12, 1948

The production of the first 11 hrs. 30 mins. was 63.6 barrels of fluid of which 100% was oil; 0% emulsion; 1.6% water; and 0% sediment. Gravity, Be. 36.7 @ 60°

If gas well, cu. ft. per 24 hours 0 Gallons gasoline per 1,000 cu. ft. of gas 0

Rock pressure, lbs. per sq. in. 0

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 8th day of November, 1948, Kermit, Texas November 8, 1948

Name Dist. Supt.

Position

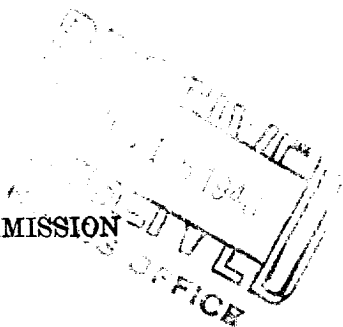
FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1.1	1.1	From top of rotary drive bushing to derrick floor
1.1	10	8.9	From derrick floor to top of 8-5/8" OD casing
10	160	150	Caliche, sand and red bed
160	327	167	Red bed and red rock 1/2" @ 295.
			<u>Set 13-3/8" OD casing @ 318.36 w/250 cpx. cement circulated.</u>
327	702	375	Red bed, sand shall and red rock 1/4" @ 510.
702	1022	320	Red bed and sand 1/4" @ 850.
1022	1234	212	Red bed and shells 1/4" @ 1093.
1234	1275	41	Anhydrite
1275	2407	1132	Anhydrite and salt Straight @ 1300, 1/2" @ 1500, 1/4" @ 1750, 1-1/4" @ 1970, 1" @ 2030, 1 1/2" @ 2090, 1 3/4" @ 2150, 1 1/2" @ 2275, 1" @ 2395.
2407	2500	93	Anhydrite and 3' salt breaks 1" @ 2475.
2500	2540	40	Anhydrite
2540	2568	28	Sand, gas show 1" @ 2550.
2568	2648	80	Anhydrite
2648	2714	66	Anhydrite and lime
2714	2770	56	Anhydrite, lime and gyp
2770	2836	66	Anhydrite 3/4" @ 2800.
2836	2850	14	Anhydrite and lime
			<u>Set 8-5/8" OD casing @ 2848 w/1500 cpx.</u>
2850	2939	89	Anhydrite and lime
2939	3045	106	Anhydrite, lime and gyp 1/4" @ 2998.
3045	3231	186	Anhydrite and lime
3231	3337	106	Anhydrite, lime and gyp 1/4" @ 3320.
3337	3483	146	Anhydrite and lime
3483	3565	82	Lime
3565	3669	104	Anhydrite and lime
3669	5125	1456	Lime 1" @ 3674, 1 1/2" @ 4075, 2 1/2" @ 4562, 2" @ 4615, 2 1/2" @ 4652, 1-3/4" @ 4737, 1-3/4" @ 4792, top 1st zone 5069, fair porosity no stain, 2nd zone, 5094, fair porosity and light stain 1-3 MPF. (2 packers) No W. C. 1 hr. 45 min., 5/8" BHC and 1" surface choke, gas 3 1/2 min. (Est. 64.61 MCF 24 hrs.) no oil, water or mud to surface, BHFP 60#, 15 min. S-I BHP 1875#, Hy Hd 2350#, Rec. 90' gas-out drlg. mud, no shows.
5094	5125	31	Drill Stem Test Top 2nd oil zone 5135, fair porosity, light stain. Better zone 5150-5174.
5125	5180	55	Line (2 packers) No W. C. 1 hr. 52 mins., 5/8" BHC and 1" surface choke, gas 3 1/2 mins., (Est. 24 hrs. gas 343 MCF) mud 26 mins., oil 29 1/2 mins., flowed 19.9 B/O 1 hr., GOR 905/1, Gravity 36.4 @ 60°, 4% mud, trace sulphur water above Halliburton tool, SFP not measured, BHFP 715#-650#, 15 min. S-I BHP 1850#, Hy Hd. 2450#, Rec. circ. out.
5125	5180	55	Drill Stem Test (2 packers) No W. C. 3 hrs. 25 mins., gas blow 2 mins., (Est. 24 hrs. gas 117 MCF) Mud 65 mins., oil 95 mins., SFP not measured, BHFP 400#- 250#, 15 min. S-I BHP 2000#, Hy Hd 2450#, Rec. 1350' clean oil, 90' mud out with salt water Top 3rd zone 5199-5233, fair porosity and stain, 2-3 MPF. 1/2" @ 5288, 1" @ 5684, 1" @ 5700.
5180	5235	55	Line
5188	5235	47	Drill Stem Test 1 1/2" @ 6200, 1-3/4" @ 6631, 2" @ 7135.
5235	5760	525	Line
5760	5800	40	No formation logged
5800	7297	1497	Line
7297	7317	20	Lime and shale
7317	7344	27	Lime
7344	7375	31	Lime and chert
7375	7416	41	Lime
7416	7469	53	Granite wash
7469	7477	8	Granite
	7477		<u>TOTAL DEPTH</u>
7387	7477	90	Drill Stem Test (2 packers) packer failed to seat.
7377	7477	100	Drill Stem Test (2 packers) packer failed 30 mins., to seat 1st try, 2nd try tool opened 30 mins. blow small, thought tool not open, reset 3rd try open 15 mins., same results, reset 4th try, packer did not seat, no build up taken, 5/8" BHC and 1" surface choke, no fluid to surface, SFP not measured, BHFP 100#, Hy Hd 3450# Rec. 90' drlg. mud, no shows.
	7473		Ran Schlumberger temp. survey.
7477	7327	150	Flashed back w/50 cpx.

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Company or OperatorAddress

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Lease

R. N. M. P. M. Field, County.

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If Government land the permittee is, Address

The Lessee is, Address

Drilling commenced 19 Drilling was completed 19

Name of drilling contractor, Address

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Subscribed and sworn to before me this Place Date

day of, 19 Name Position

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
			<p><u>Set 5-1/2" OD casing @ 5313' w/450 sax.</u> Centralizers: 5303.38; 5271.00; 5239.22; 5207.19; 2812.35; 2767.45.</p>
5234 5160	5288 5170	54 10	<p>Drill out cement. Lane Wells perf. 5 1/2" OD casing. w/60 holes, 6 JPP.</p> <p><u>2" @ 5286'</u> Started flowing natural after load oil recovered.</p> <p>RRC: Potentail Test: Flowed 65.6 B/O 11 hrs. 30 mins. thru 20/64" choke, TP 5500-2500, CP 8500-5000, GOR 3150/l, Gravity 36.7 @ 60", 1.6 water (wash), Est. cap. 137 B/O 24 hrs.</p>