

660'

1980'

660'

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.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Magnolia Petroleum Company

Box 727, Kermit, Texas

State NM

Company or Operator

Well No. 1

in NW/4

of Sec. 24

T. 18 S

Lease

28 E

N. M. P. M.

Artesia

Field, East West

Eddy

County.

Well is 660 feet south of the North line and 1980 feet west of the East line of NW/4 of Sec. 24

If State land the oil and gas lease is No. B-11276

Assignment No.

If patented land the owner is

Address

If Government land the permittee is

Address

The Lessee is Magnolia Petroleum Company

Address Box 727, Kermit, Texas

Drilling commenced August 28, 1948

Drilling was completed October 13, 1948

Name of drilling contractor Donnelly Drilling Company

Address Artesia, New Mexico

Elevation above sea level at top of casing 3538 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 2885 to 2973

No. 4, from

No. 2, from

No. 5, from

No. 3, from

No. 6, from

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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	OUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
8-5/8	28	8 RT	H-40	378	Halliburton				Surface
6-5/8	19.5	8 RT	J-55	2885	Halliburton				Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
10"	8-5/8	378	75	Pump & Plug		
7-7/8	6-5/8	2885	5150	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
		Acid	500 gals		2885	
		Acid	1000 "		2885	
		Acid	2000 "		2885	
		Acid	4000 "		2885	

Results of shooting or chemical treatment To Process for completion.

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 feet to feet, and from feet to feet

Cable tools were used from 0 feet to 3000 feet, and from feet to feet

PRODUCTION

Put to producing November 10, 1948

The production of the first 24 hours was 35.7 barrels of fluid of which 84 % was oil; % emulsion; 16 % water; and % sediment. Gravity, Be

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 22nd day of December, 1948

Kermit, Texas December 21, 1948

Notary Public

Asst. District Superintendent

Representing Magnolia Petroleum Company

Address Box 727, Kermit, Texas

My Commission expires June 1, 1949

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	30	30	Measurements from top of 8-5/8" casing.
30	315	285	Caliche and red rock
315	318	3	Red rock
318	380	62	Anhydrite
			Salt
			Set 8-5/8" OD @ 378 w/75 sacks.
380	665	285	Salt
665	810	145	Anhydrite
810	820	10	Lime
820	1855	1035	Anhydrite
1855	1868	13	Red sand
1868	2010	142	Anhydrite
2010	2030	20	Brown lime hard
2030	2085	55	Anhydrite
2085	2110	25	Lime
2110	2125	15	Sand
2125	2135	10	Anhydrite
2135	2160	25	Sandy anhydrite
2160	2359	199	Lime
2359	2367	8	Lime very hard
2367	2563	196	Lime
2563	2575	12	Sandy lime
2575	2900	325	Lime
2900	2908	8	Lime - showing oil & gas
2908	2953	45	Lime
			Upper Grayburg 2913-2920, little free oil, 4 gals. in 2 hrs. 2nd sec. 2936-2946, top of wtr. sand 2994', 6 bbls. salt wtr. per hr. for 2 hrs. 250' SW in hole.
2953	2961	8	Dolomite
2961	2994	33	Lime
2994	3000	6	
	3000		TOTAL DEPTH
3000	2994	6	Calseal
2994	2985	9	Hydromite
2910	2895	15	Bridge w/gravel
2895	2890	5	Calseal
			Set 6-5/8" OD @ 2885' w/50 sacks
	2900		Drilled out
			Bailed for 6 hrs. show of oil & gas after 3rd run of Swab.
	2900		PSTD
	2865		Set Yowell Tool
			Attempted to circulate - no circulation @ 1100# for 20 min. losing 100# ea. 5 min.
1500	2895	1395	Halliburton Ran Temp. Survey
	2500		Halliburton Perf. 6-5/8" OD casing.
	2500		Recemented thru perf.
			Top of cement @ 2510'.
2476	2900	424	Drilling cement plug
			w/3 shots. circ. thru perf. w/clear water, 0 to 200# 150 sax. Cement plug to 2476, bailed dry & tested dry 3 hrs.
2900	2985	85	Drilled out
			Bailed 1 bbl. salt water per hr. 12 hrs. w/stain of oil, small show gas.
2985	2973	12	Hydromite
			Bailed 254 gal. 26 gal. oil 12 hrs. dry.
2885	2973	88	Western acidized
			Squeezed 1000# 2 hrs. Bailed dry - no wtr. small show of oil and gas.
2885	2973	88	Western re-acidized
			w/500 gals. 15% no mulsion acid, packer @ 2837 TP 1500-1600# 1 hr. 2/10 BPM swab Dry w/1000 gals. 15% no mulsion packer @ 2837, TP 1400-1600-1500#, CP 1500-1600-1650# 1 hr. 2 min. 4/10 BPM Swab 8 bbls. in 8 hrs.
2885	2973	88	re- Western acidized
			small increase in gas.
			w/2000 gals. 15% no mulsion packer at 2837 TP 900-1600# GP 1700# 40 min. 1 BPM Swab @ rate of 1 1/2 bbls. oil 1/4 bbls. S.W. per hr. 2000' oil in hole.
2885	2973	88	Western re-acidized
			w/4000 gals. 15% no mulsion acid. Packer @ 2837', CP 1300-1675-1600#. TP 900 to 1450#, 1 hr. 12 min. 1.4 bbls. per min. Swab 22 bbls. oil, 13 bbls. SW 24 hrs.
			2" tubing @ 2971'
Potential Test:	Pumped 30.2 B.O. 5.5 B.W. 24 hrs. 2" choke, GOR 289/1, 37.4 @ 60 deg. Gravity. (Gas Vol. Est. 8.73 MCF 24 hrs.)		
	3000		TOTAL DEPTH
	2885		Depth Casing set (Oil String)
	2973		P. B. T. D.