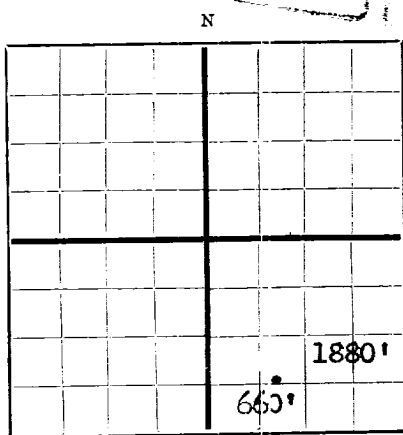


AREA 640 ACRES
LOCATE WELL CORRECTLYNEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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
S. E. Long
Well No. 5 in SE/4 of Sec. 11, T. 22-S
Lease
R. 37-E, N. M. P. M. Drinkard Field, Lea County.
Well is 660 feet north of the South line and 1880 feet west of the East line of SE/4 of Section 11
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is S. E. Long Address Eunice, New Mexico
If Government land the permittee is Address
The Lessee is Magnolia Petroleum Company Address Box 727, Kermit, Texas
Drilling commenced October 31, 1947 Drilling was completed December 11, 1947
Name of drilling contractor Olsen Drilling Company Address First Nat'l Bank Bldg. Midland, Texas
Elevation above sea level at top of casing 3346 feet.
The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from 5010 to 5035 No. 4, from to
No. 2, from 6440 to 6475 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	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
13-3/8	48#	8RT	EW	265	Halliburton				Surface
9-5/8	36#	8RT	AOS HY	2815	Halliburton				Intermediate
5-1/2	17#	8RT	J-55 Smis.	6491	Halliburton		6440	6475	Oil Strain

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 1/4	13-3/8"	265	250	Pump & Plug		
11	9-5/8"	2815	1000	Pump & Plug		
7-7/8	5-1/2"	6491	925	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
		Mud Acid	500 gals.	12/19/47	6440-6475	

Results of shooting or chemical treatment Completion.

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 Surface feet to 6491 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing December 19, 1947
The production of the first 8 hours was 88 barrels of fluid of which 100% was oil; 4/10 of 1% emulsion; 0% water; and 0% sediment. Gravity, Be. 40.5 @ 60°
If gas well, cu. ft. per 24 hours Est. 253 MCF 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 14th day of January, 1947, at Kermit, Texas, January 14, 1947
Name District Superintendent
Position District Superintendent
Representing Magnolia Petroleum Company
Company or Operator
My Commission expires June 1, 1949 Address Box 727, Kermit, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	2.85	2.85	From top of rotary drive bushing to derrick floor
2.85	10.00	7.15	From derrick floor to top of 13-3/8" OD casing
10.00	270	260	Red bed
			<u>Set 13-3/8" OD casg. @ 265'</u> <u>w/250 sax.</u>
270	300	30	Red bed and shell
300	431	131	No formation logged
431	920	489	Red bed and shells
920	951	31	Red rock and red bed
951	982	31	Red bed
982	1135	153	No formation logged
1135	1372	237	Red bed, salt breaks, sand
1372	1410	38	Salt
1410	1440	30	Anhydrite
1440	1525	85	Salt and anhydrite
1525	1630	105	Salt
1630	1930	300	Salt and anhydrite strks.
1930	2170	240	Salt and anhydrite
2170	2330	160	Salt
2330	2509	179	Anhydrite
2509	2518	9	No formation logged
2518	2580	62	Anhydrite and shells
2580	2815	235	Anhydrite
			<u>Set 9-5/8" OD casg. @ 2815'</u> <u>w/1000 sax.</u>
2765	2815	50	D/O cement & plug
2815	3015	200	Anhydrite and lime
3015	3333	318	Sandy lime
3333	3384	51	Lime
3384	3485	101	Sandy lime
3485	3551	66	No formation logged
3551	3903	352	Lime
3903	3971	68	Sandy Lime
3971	4408	437	Lime
4408	4421	13	No formation logged
4421	4530	109	Lime
4530	4543	13	No formation logged
4543	4555	12	Lime and junk
4555	5210	655	Lime
5210	5260	50	No formation logged
5260	6400	1140	Lime
6370	6400	30	DST
			6375-6400 av. 8 min. fair oil stain and porosity. (Double packer) Tool open 1 hr. 22 min. thru 5/8" BHC & 1" surface choke, gas 2 min., mud, 20 min., oil 21 min., cleaned 1 min.; flowed 15 min. periods, 4.13, 3.44, 7.56. 5.5, total 20.63 bbls. oil 1 hr., GOR 4258/1, Est. 24 hr. gas vol. 2108.54 MCF; Corr. Grav. 39.8 @ 60°; 3% drlg. mud; SFP 70#- 140#; BHFP 840#-910#; 15 min. S-I BHP 2500#; Hy. hd. 3100#; unloaded when drill collars @ surface.
6400	6491	91	Lime
6394	6491	97	DST
			Good porosity, stain and 8 min. drlg. time. (Double packer) Tool open 3 hrs. 31 min. thru 5/8" BHC and 1" surface choke, gas 4 min., mud 1 hr. 59 min., oil 2 hrs. 11 min, cleaned 5 min.; flowed by 15 min. periods, 2.75, 0, 0, 0, 2.06, total 4.81 bbls. oil 1-1/4 hrs. SFP 5#-20#, BHFP 300#-750#; 15 min. S-I BHP 2200# Hy. hd. 3200#; (Est. 24 hr. gas vol. 207.74 MCF) GOR 2249/1. Corr. Grav. 39.6 @ 60°; 1.6% drlg. mud; Rec. 180' clean oil, unloaded 360' oil 4 min., unloaded 180' oil 1 min., 120' oil and gas cut mud, total clean oil rec. 720'
	6491		TOTAL DEPTH
			<u>Set 5-1/2" OD casg. @ 6491</u> <u>w/925 sax.</u> W/Centralizers set @ 6486.30, 6451.35, 6417.95, 6386.30, 6354.66, 6321.41, 5193.32, 5160.22, 5127.02, 5094.27.
6490	6461	29	Drill out cement & plugs.
6440	6490	35	Ran Lane Wells Gamma Ray and Neutron Log
	6475		Perforating Guns perforated 5-1/2" OD casing 140 shots, 4 S.P.F.
6475	6440	35	<u>Ran 2" tubing @ 6490!</u> Western Company acidized perforations w/500 gals. mud acid 2000#- 1650#. 1 hr. 16 min., 4/10 BPM
			TEST: Flowed 88 bbls. oil thru 1/4" choke 8 hrs.; TP 400#-225#; CP 875#-725#; GOR 999/1. Corr. Grav. 40.5 @ 60°; 4/10 of 1% BS; Est. cap. 264 bbls. oil 24 hrs. Est. 253 MCF.