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NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY 0'

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 Box 727 Kermit, Texas
Company or Operator
S. E. Long Well No. **6** 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 south of the North line and **560** feet west of the East line 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 **July 22** 19 **48** Drilling was completed **August 24** 19 **48**
Name of drilling contractor **Makin Drilling Company**, Address **Box 131, Hobbs, New Mexico**
Elevation above sea level at top of casing **3343'** feet.
The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from **6435** to **6465** 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"	48#	8RT	H-40SS		Halliburton				
13-3/8"	32.4#	8RT	SP-187	302	Halliburton				Surface
8-5/8"	32#	8RT	J-55EW	2893	Halliburton				Intermediate
5-1/2"	17#	8RT	J-55	6480	Halliburton				Oil String
2"	4.7#	8RT	J-55 SS	6478					

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	302	300	Pump & Plug		
11"	8-5/8	2893	1500	Pump & Plug		
7-7/8	5-1/2	6480	750	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	Aug 31, 48	6435-6465	
		acid	1500 gals	Sept. 1, 48	6435-6465	
		20% low tension acid	3000 gals	Sept. 3, 48	6435-6465	

Results of shooting or chemical treatment **Completing well.**

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 **6480** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **August 31** 19 **48**
The production of the first **10-3/4** **86** barrels of fluid of which **100** % was oil; **0** %
emulsion; **0** % water; and **0** % sediment. Gravity, Be. **37.6 @ 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 **24th** **Kermit, Texas** **September 24, 1948**
day of **September** 19 **48** Name **W. A. Schuler**
Notary Public Position **Dist. Supt.**
Representing **Magnolia Petroleum Company**
Address **Box 727, Kermit, Texas**
My Commission expires **June 1, 1949**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	13	13	From top of rotary drive bushing to derrick floor From derrick floor to top of 8-5/8" D casing No formation logged
13	102	89	Surface
102	285	183	No formation logged
285	325	40	Straight at 300'
<u>Set 13-3/8" OD at 302' w/300 sax. Circulating</u>			
325	783	463	Red bed and shells
783	1133	345	Sand and red bed 1° @ 800.
1133	1223	90	Anhydrite
1223	1549	371	Anhydrite and salt
1549	1745	151	Anhydrite, salt & potash Straight @ 1700; 1/4° @ 1920
1745	2306	561	Anhydrite and salt 1/2° @ 2130.
2306	2400	94	Anhydrite, salt & gyp 1/4° @ 2425.
2400	2460	60	No formation logged
2460	2747	287	Gyp and anhydrite
2747	2800	53	No formation logged
2800	2864	64	Anhydrite & lime 1/4° @ 2800; straight @ 2814
2864	2896	32	Anhydrite & gyp
<u>Set 8-5/8" OD at 2893' w/1500 sax.</u>			
	2814		Halliburton ran Temp. Top of cement 1140'
			Surv. to McCullough Tools
			perforated 8-5/8" OD
	1160		Casg. at w/2 holes.
			Halliburton re-cemented
	1160		w/280 sax thru perf. at
1080	2393	1813	Drilled out
2396	3040	144	Lime
3040	3143	103	Anhydrite and lime
3143	3360	217	Lime
3360	3404	44	No formation logged
3404	3547	143	Lime
3547	3606	59	No formation logged
3606	3715	109	Lime
3715	3745	30	No formation logged
3745	3848	103	Lime 1/2° @ 3848
3848	3930	82	No formation logged
3930	4541	611	Lime 1 1/2° @ 4230; 1/2° @ 4260
4541	4629	88	Lime and sand
4629	4705	76	Lime
4705	4824	119	Lime and sand
4824	5065	241	Lime 1 1/2° @ 4856, 4967.
5065	5072	7	No formation logged
5072	5174	102	Lime
5174	5240	66	Lime and sand 1° @ 5220
5240	5292	52	Lime
5292	5301	9	No formation logged
5301	5931	630	Lime 1° @ 5453
5931	5972	41	No formation logged
5972	6152	180	Lime 1 1/2° @ 5972; 2° @ 6060; 1 1/2° @ 6125
6152	6160	8	No formation logged
6160	6415	255	Lime 1 1/2° @ 6228. 1-3/4° @ 6415; 1 1/2° @ 6430
6415	6442	27	No formation logged
6442	6480	38	Lime
			Av. Drilg. time 12 MPF @ 6478'
			TOP GAS - 6360
			OIL PAY - 6395-6470.
			Fair porosity & staining, 9 MPF.
6395	6430	35	DST (2 Packers) 1 hr. 15 min. 5/8" BHC & 1" S. C., gas 13 min., (24 hrs. 7.28 MCF), no mud or oil to surface. Rec. 360' clean oil, 360' oil and gas cut mud. BHFP 300#; 15 min. S-I BHP 2300# hy. hd. 3200#.
2888	6476	3588	Schlumberger ran Temp. Surv.
<u>Set 5 1/2" OD casg. at 6480' w/750 sax. 2% Jel</u>			
	6430		<u>TOTAL DEPTH</u>
6438	6478	40	Drilled out cement
6435	6465	30	Western Co. perf. 5 1/2" OD casg. w/180 holes, 6 SPF.
<u>Run 2" tubing to 6478</u>			
			Swab 90 bbls. load oil 9 hrs., 50 bbls. load to rec. 1000' OIH.
6435	6465	30	Western Co. acidized perf. w/500 gals, mud acid. GP 2550-2335-1875#; TP 2000-2500-2450#; 8/10 BP, 41 min. Swabbed dry.
6435	6465	30	Western Co. re-acidized perf. w/1500 gals, 20% low tension acid. GP 2400# 1725#-1700#; TP 1900#- 1400#, 52 min., 1 BPM. Flowed 16 bbls. oil 9 hrs. 1/2" choke; GP 275-500#; TP 50-50#.
6435	6465	30	Western Co. re-acidized perf. w/3000 gals, 20% low tension acid. GP 1225- 100#; TP 2400-1725#; 38 min., 2.2 BPM.

RRC POTENTIAL: Flowed 86 B/O 10-3/4 hrs. thru 16/64" choke. GP 75-vacuum-200"; TP 400-280#; GOR 658/1. Grav. 37.6 at 60; Est. 24 hr. cap. 192 B/O. Gas Volume