

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

Company or Operator **E. O. Carson** Well No. **13** in **SW/4 of NE/4** of Sec. **33** T. **21S**
Lease **37E** N. M. P. M. **Brunson** Field, **Lea** County.
Well is **1909'** feet south of the North line and **1909'** feet west of the East line of **Sec. 33**
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is **E. O. Carson** Address **Merkel, Texas**
If Government land the permittee is _____ Address _____
The Lessee is **Magnolia Petroleum Company** Address **Box 727, Kermit, Texas**
Drilling commenced **June 9, 1947** Drilling was completed **September 7, 1947**
Name of drilling contractor **New Mexico Drilling Tools** Address **Box 1063, Midland, Texas**
Elevation above sea level at top of casing **3461'** feet.
The information given is to be kept confidential until _____ 19____

OIL SANDS OR ZONES

No. 1, from **7576'** to **7591'** No. 4, from _____ to _____
No. 2, from _____ to _____ 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	H40 EW	304	Halliburton				Surface
8-5/8	32#	8rt	GC Smls	3810	"				Inter-mediate
5 1/2	17#	8rt	J55 S. I.	7592	"		7576	7591	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
17 1/2	13-3/8	304	300	Pumping plug		
11	8-5/8	3810	875	Pump & plug		
7-7/8	5 1/2	7592	855	"		

PLUGS AND ADAPTERS

Heaving plug—Material **None** 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						

Results of shooting or chemical treatment **None.**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 **7599** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **September 15, 1947**
The production of the first **24** hours was **169.12** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be. **47.7 at 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 **30th****Kermit, Texas** **1-29-48**day of **January**, 19**48**Name **R. T. Daniel**Position **District Superintendent**Representing **Magnolia Petroleum Company**Company or Operator **Kermit, Texas**

My Commission expires _____

Address _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	2.25	2.25	From top of rotary drive bushing to derrick floor
2.25	14.00	11.75	From derrick floor to top of 9-5/8" OD casing.
14.00	140	126	No formation logged
140	180	40	Red bed
180	275	95	Caliche & shale
275	304	29	Shale
<u>Set 13-3/8" OD casing @ 304' w/300 sax.</u>			
304	570	266	No formation logged
570	1196	626	Red bed
1196	1270	74	Anhydrite
			Salt & Anhydrite
			Straight @ 655, 975; Reduced hole from 12 1/4" to 11" at 1191'.
1890	2117	227	Attempted to straighten hole w/reamer bit
			1-3/4" @ 1995; 2-1/3" @ 2025; 2-3/4" @ 2057; 3 1/4" @ 2087, 4" @ 2115, 2117; 5 1/2" @ 2207.
2207	1916	291	150 sax cement fill hole
1916	2207	291	Drilled out cement
			3/4" @ 1906; 1" @ 1936; 1 1/2" @ 1966; 1-3/4" @ 1987; 2" @ 2017; 2 1/2" @ 2054; 4" @ 2107, 4 1/2" @ 2145.
2207	2217	10	No formation logged
2217	2393	176	Salt & anhydrite
			5 1/2" @ 2210; 5" @ 2204; 4-3/4" @ 2273; 3 1/2" @ 2330, 4" @ 2336.
2393	2432	39	Anhydrite
2432	2440	8	Salt & anhydrite
2440	2775	335	Anhydrite
			2-3/4" @ 2452; 2 1/2" @ 2485; 3" @ 2515; 2 1/2" @ 2560, 2" @ 2578, 2608, 2642. 1-3/4" @ 2678; 1 1/2" @ 2704, 2728.
2775	2791	16	Anhydrite & gyp
2791	2965	174	Anhydrite
			1" @ 2863, 2884; 1 1/4" @ 2927; 1" @ 2957.
2963	2996	33	No formation logged
2996	3177	181	Anhydrite
3177	3219	42	Anhydrite, broken
3219	3281	62	Anhydrite
			1" @ 3058.
			1" @ 3180.
3383	4110	727	Lime & anhydrite
			3/4" @ 3345.
			Lime
			Straight @ 3455, 3645, 3810.
<u>Set 8-5/8" OD casing @ 3810' w/875 sax.</u>			
4110	4255	145	Broken lime
4255	6976	2721	Lime
			3/4" @ 4130; 1 1/2" @ 4220.
			1 1/2" @ 4350, 4500, 4895, 4870.
			2" @ 5145; 2 1/2" @ 5246, 5328;
			1 1/2" @ 5385; 2 1/2" @ 5456; 2" @ 5500; 1 1/2" @ 5596, 5679; 1" @ 5900, 5990; 1 1/2" @ 6193, 6325, 6595.
6976	7000	24	Lime & chert
7000	7040	40	Lime
7040	7055	15	Lime, broken
7055	7446	391	Lime
100	7425	7325	Lime
			1 1/4" @ 7235.
			Ran Halliburton Temp Surv.
			Set Baker Bridging
	4510		Plug @
			15' calseal on top.
3951	4500	549	Drill Stem Test: (Double Packer) tool open 5 hrs. thru 5/8" BHC and 1" surface choke, moderate to very light blow of air entire time test; Rec. 3600' (990' drlg. mud, 1440' slightly gas cut fresh water and drlg. mud, 270' blue colored drlg. mud, 900' drlg. mud; SFP 0#; BHFP 1500#-1875#; BHP S-I 15 min. 1975#, inaccurate packer unseated when tool closed.
	4510		D/O Calseal & Gridge Plug
	5500		Set Baker Bridge Plug @
5500	5466	34	Calseal
			DRILL STEM TEST: (Double Packer), 3 hrs. thru 5/8" BHC & 1" surface choke, moderate to very slight thru out test, no gas to surface; Rec. 2000' gas cut drlg., 840' gas and fresh wtr. cut drlg. mud, SFP 0#; BHFP 300# to 1275# BHP S-I 15 min. 1725#; Hyd. hd. 3225# drilled out cement and plug to bottom, circ. on bottom 12.5# mud.
5466	5500	34	D/O calseal & bridge plug
7446	7476	30	Lime and shale
7476	7573	97	Lime
			1-3/4" @ 7512; Top of Ellenberger 7450'.
			SLC 7510= 7512
7573	7599	26	Sand & granite wash odor
			Top of granite - 7597'.
			Set 5 1/2" OD casing @ 7599' w/855 sax w/Baker Multiplex collar @ 7243', 70 sax thru bottom, circ. 15 sax out, cemented thru Baker collar w/800 sax. Centralizers set @ 7593, 7557.70, 7525.56, 7493.65, 7461.50, 7429.31, 7397.45, 7302.57, 7270.91, 7236.81, 6609.41, 6577.97, 6546.55, 6514.64, 6483.35, 5230.40, 5198.95, 5168.03, 5136.08, 5105.23. Top of Halliburton Float Collar - 7565.22. Top of Baker Float Collar - 7563.70. Top of Baker Multiplex Collar - 7242.81, Top of Baker Baffle Collar - 7210. Top of Baker Cementing Basket - 7286.75. Bottom of Baker Cementing Basket - 7255.09.
	7599		TOTAL DEPTH
2000	7210	5210	Halliburton ran
	7598		temp. surv.
4800	7589 1/2	2789 1/2	Top of cement - 2930.
			Drilled out cement to
			Ran Lane Wells Gamma Ray and Neutron Log
			SLC 7598= 7591.
7576	7591	15	Lane Wells perf. 5 1/2" OD w/60 shots, 4 S.P.F.

owed 169.12 bbls. oil 12 hrs. thru 24/64" choke; CP 50#-400#; TP 50#-190#; GCR