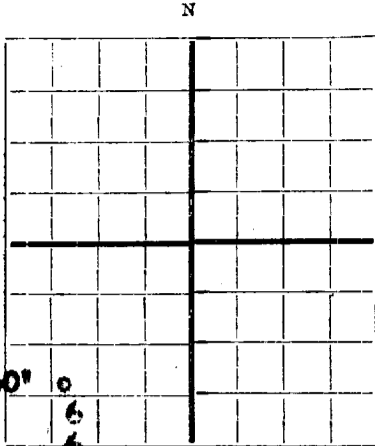


NEW MEXICO OIL CONSERVATION COMMISSION

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 O-110 WILL NOT BE APPROVED UNTIL FORM O-105 IS PROPERLY FILLED OUT.

0.1 AREA 640 ACRES LOCATE WELL CORRECTLY

Magnolia Petroleum Company
Company or Operator
E. O. Carson
Well No. 18 in SW/4 of Sec. 26, T. 21-S
R. 37-E, N. M. P. M., Brunson Field, Lea County.
Well is 660 feet south of the North line and 760 feet west of the East line of Section 26.
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 August 17, 1948. Drilling was completed October 9, 1948.
Name of drilling contractor, Address
Elevation above sea level at top of casing 3476 feet.
The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from 8128 to 8175 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

Table with columns: SIZE, WEIGHT PER FOOT, THREADS PER INCH, MAKE, AMOUNT, KIND OF SHOE, CUT & FILLED FROM, PERFORATED (FROM, TO), PURPOSE. Rows include 13-3/8", 8-5/8", 5-1/2", and 2" casing sizes.

MUDDING AND CEMENTING RECORD

Table with columns: SIZE OF HOLE, SIZE OF CASING, WHERE SET, NO. SACKS OF CEMENT, METHODS USED, MUD GRAVITY, AMOUNT OF MUD USED. Rows show data for 1 1/4", 1 1/2", and 7-7/8" hole sizes.

See Reverse.

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set
Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

Table with columns: SIZE, SHELL USED, EXPLOSIVE OR CHEMICAL USED, QUANTITY, DATE, DEPTH SHOT OR TREATED, DEPTH CLEANED OUT. Row shows 'NONE USED'.

Results of shooting or chemical treatment.

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 0 feet to 8175 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing October 17, 1948
The production of the first 24 hours was 10 hrs. 50 mins. 142.2 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, Be. 40.4 @ 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

FORMATION RECORD ON OTHER SIDE

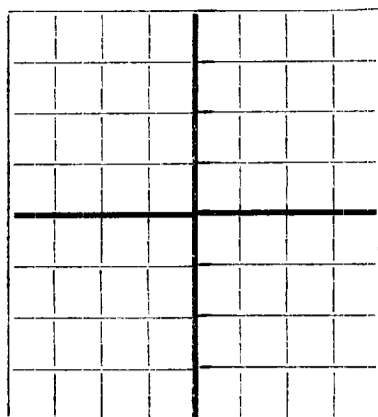
I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 12th day of November, 1948, at Kermit, Texas.
Notary Public
Name: [Signature]
Position: Dist. Supt.
Representing: Magnolia Petroleum Company or Operator
Address: Box 727, Kermit, Texas
Date: November 12, 1948
My Commission expires June 1, 1949

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
8098	8150	52	Drill StemTest (2 packers) No W. C. 2 hrs., 1" surface choke, 5/8" BHC gas in 5 mins., oil cut mud in 25 min., oil in 28 mins., clean to bits 2 min., Prod. 15 min. periods 4.1, 9.7, 6.9, 9.7, 9.7, 9.7, total 4918 1/2 hrs., SFP no reading, BHFP 1400#, S-I BHP (15 Min.) 2200#, Ry Hd 3100#, Gravity 40.4 @ 60°, shake out clean oil, gas at beginning 507 MCF at end 736 MCF 24 hrs., GOR 85 /1.
8150	8175	25	Ellenberger lime
8145	8175	30	Drill StemTest (2 packers) 3/8" BHC and 1" surface choke, No W. C. 3 hrs. gas 6 mins., good blow gas through out test, no fluid to surface, Rec. 2700' oil 50' oil and gas cut drilling mud, BHFP 700#, 15 mins. S-I BHP 2850#, Ry Hd 4100#.
	8175		<u>TOTAL DEPTH</u>
	8178		Ran Schlumberger Temp. Survey.  Set 5-1/2" OD casing @ 8175' w/Multiplex Collar at 7385' w/155 sax below collar, WOC 4 1/2 hrs., and 825 sax thru Multiplex Collar at 7385'. Baker Float Collar at 8148.86. Baker Baffle Collar at 7360.44. Multiplex Cementing Collar at 7392.92. Centralizers at 8161.38, 8111.77, 8053.13, 7991.76, 7838.58, 7773.59, 7710.38, 7432.50, 7410.21, 7387.92, 7356.73, 7290.10, 7223.68, 6631.85, 6566.68, 6500.51, 6436.81, 5309.93, 5246.17, 5182.24, 5117.45, 5054.43. Halliburton Ran Temperatures survey Approximate top cement 1830'. Drill out cement McCullough Tool perf. 5 1/2" OD casg. w/150 holes 6 SFP.  Ran 2" @ 8171 1/2'. Pulled swab 3 times and started flowing natural.
8130	8173		
	8155	25	
	7303		
RRC Potential Test:			Flowed 142.2 B/O 10 hrs. 50 mins., 1/4" positive choke, TP 0-550#, CP 0-100#, GOR 794/1, Gravity 40.4 @ 60°, 2/10 of 1 1/2 B. S., East. 24 h capacity 315 BOPD.

N



AREA 640 ACRES  
LOCATE WELL CORRECTLY

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 TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Company or Operator ..... Address .....

Well No. .... in ..... of Sec. ...., T. ....

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

Well is ..... feet south of the North line and ..... feet west of the East line of .....

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

If patented land the owner is ....., Address .....

If Government land the permittee is ....., Address .....

The Lessee is ....., Address .....

Drilling commenced ..... 19..... Drilling was completed ..... 19.....

Name of drilling contractor ....., Address .....

Elevation above sea level at top of casing ..... feet.

The information given is to be kept confidential until ..... 19.....

OIL SANDS OR ZONES

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

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	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED

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

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 ..... feet to ..... feet, and from ..... feet to ..... feet

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

PRODUCTION

Put to producing ..... 19.....

The production of the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% 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 ..... Place ..... Date .....

day of ..... 19..... Name.....

..... Position.....

Notary Public ..... Representing..... Company or Operator .....

My Commission expires..... Address.....

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1.16	1.16	From top of rotarydrive bushing to derrick floor
1.16	14.16	13	From derrick floor to top of 5-1/2" OD casing
14.16	119	104.84	No formation logged
119	200	81	Caliche and water sand <u>SIC 200 = 134</u>
134	200	66	No formation logged
200	320	120	Red bed Straight @ 200'. <u>Set 1 1/8" OD casing @ 120 w/300 sax.</u>
320	1410	1090	Red rock 1/2" @ 580, Straight @ 885, Straight @ 1200,
1410	1625	215	Red rock and salt 1/4" @ 1505.
1625	1848	223	Red rock 1/2" @ 1825.
1848	2243	395	Anhydrite and salt 1" @ 2092, 1" @ 2240.
2243	2420	177	Rock and salt
2420	2609	189	Anhydrite 1/2" @ 2440.
2609	2690	81	Anhydrite and lime 1" @ 2600.
2690	2853	163	Anhydrite 1" @ 2835. <u>Set 2-5/8" OD casing @ 2853 w/1300 sax.</u>
2853	2880	27	Anhydrite
2880	6693	3813	Lime 1" @ 2940, 3/4" @ 3190, 1" @ 3303, 1/2" @ 3535, Straight @ 3830, 3/4" @ 4239, 1 1/2" @ 4655, 1/2" @ 4800, 3/4" @ 4990, Straight @ 5491, Straight @ 5793, 1" @ 5989, 1/2" @ 6357.
6693	6736	43	No formation logged
6736	7366	630	Lime 3/4" @ 6812, 1" @ 7102. Top Montaya 7245, Pay 7315-7345 10-30% fair porosity and stain, gas pocket 7352.
7300	7366	66	Drill Stem Test (2 packers) No W. C. 2 hrs. 5 mins., 5/8" BHC and 1" surface choke, gas 4 mins., mud 18 mins., oil 20 mins., cleaned in pits 15 mins., Est. 24 hr. gas 1042 MCF, flowed by 15 mins. periods 13.8, 9.66, 8.59, 7.59, 2.76, and 2.76 total 44.16 B/O 1 1/2 hrs., GOR by 15 min. periods 615, 737, 940, 737, 3580 and 2580, Av. GOR 1057/1, well heading last 30 mins., Gravity lot 15 mins. 39.2 @ 60°, last test 36.2 @ 60°, S/O and test 4% sulphur and 4% water, BHFP 1150#-600#, 15 mins. S-I BHP 1000#, Ry Hd 3850#, opened circ. tool w/2000# failed to stay open, unloaded water and oil, some each stand after pulling 55 stand, show sulphur mud on bottom.
7366	7408	42	Lime
7408	7414	6	Lime and shale
7414	7436	22	Shale
7436	7481	45	Lime and shale 3/4" @ 7455'.
7481	7496	15	Lime
7496	7525	29	Lime and shale
7525	7573	48	Lime
7573	7599	26	Shale
7599	7628	29	Lime and shale
7628	7634	6	Lime
7634	7663	29	Lime and shale
7663	7700	37	Lime
7700	7733	33	Lime and shale
7733	7773	40	Lime and sand
7703	7773	70	Drill Stem Test Top break 7708, bottom of break 7732, 4 1/2 MFP. 1 1/2 hrs. 5/8" BHC and 1" surface choke, No W. C., gas 4 mins., mud 15 mins., oil 17 mins., clean 13 mins., flowed 71.5 B/O 1 hr., Gravity 44.1 @ 60°, GOR 1012/1, (Est. 24 hr. gas 1895 MCF), SFP not measured, BHFP maximum 2225# Min. 2000#, Ry Hd 3900#, 15 min. S-I BHP failed to get build up as packer jerked loose.
7773	7812	39	Lime and sand
7812	7819	7	Lime and shale
7773	7819	46	Drill Stem Test 2 packers No. W. C. 1 hr. 22 mins., 5/8" BHC and 1" surface choke, gas 3 mins., (Est. 1854 MCF) 24 hrs. mud 9 mins., oil 11 mins., cleared 11 mins., flowed 69.12 B/O 1 hrs., GOR 118/1, Gravity 43.7 @ 60°, SFP not measured, BHFP 2300#-1900#, no BHP build up taken, Ry Hd 3825#.
7819	7828	9	Lime
7828	7927	99	Lime and shale
7927	7962	35	Lime 1" @ 7927.
7962	7986	24	Lime and shale
7986	8014	28	Lime
8014	8034	20	Lime and shale
8034	8051	17	Hard lime
8051	8095	44	Lime and shale
8095	8105	10	Gray lime
8105	8150	45	Ellenberger lime Top Ellenberger 8105, light porosity and staining @ MFP 8125-8150.