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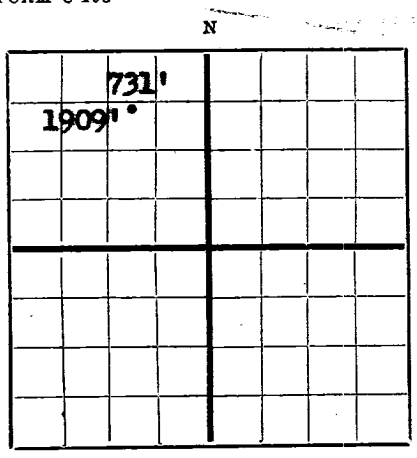
FORM C-105



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

Magnolia Petroleum Company (Company or Operator) Box 727, Kermit, Texas (Address)

E. O. Carson (Lease) Well No. 14 in NW/4 of Sec. 33, T. 21-S R. 37-E, N. M. P. M., Brunson Field, Lea County.

Well is 731' feet south of the North line and 1909' feet ~~West~~ east of the ~~xxx~~ line of Section 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 September 22, 1947 Drilling was completed December 13, 1947

Name of drilling contractor Magnolia Petroleum Company's New Mexico Drilling Tools, Address Box 633, Midland, Texas.

Elevation above sea level at top of casing 3471' feet.

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

OIL SANDS OR ZONES ~~None logged.~~

No. 1, from 5147 to 5172 No. 4, from 7905 to 7920

No. 2, from 6445 to 6572 No. 5, from 8190 to 8210

No. 3, from 7598 to 7763 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 Nonelogged. 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 FROM	PERFORATED TO	PURPOSE
13-3/8"	48#	8RT	H-40	310	Halliburton				Surface
8-5/8"	32#	8RT	N-55	3810	Halliburton				Intermediate
5-1/2"	17#	8RT	J-55 Smls.	8220	Halliburton			5220	Oil String
								5215	
							8190	8210	
2"	4.7#	8RT	EUE H-40 Smls.	8220					

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"	311	300	Pump & Plug		
11"	8-5/8"	3810	1000	"		
7-7/8"	5-1/2"	8220	1575	"		

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
		NONE.				

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 Surface feet to 8220 feet, and from ..... feet to ..... feet

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

PRODUCTION

Put to producing December 28, 1947.

The production of the first ~~24~~ 9 hours was 132.55 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be. 41.6 @ 60°

If gas well, cu. ft. per 24 hours Est. 423.95 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 20th day of January, 1948

Notary Public

My Commission expires June 1, 1949

Kermit, Texas, January 20, 1948
Place Date

Name .....

Position District Superintendent

Representing Magnolia Petroleum Company
Company or Operator

Address Box 727, Kermit, Texas

FORMATION RECORD

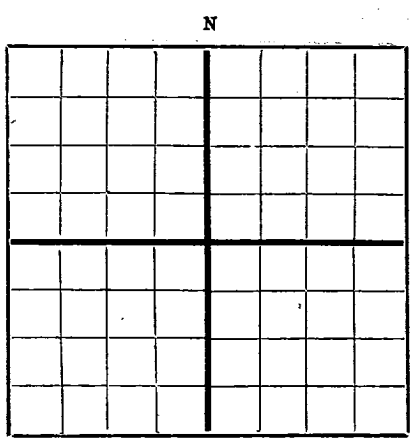
FROM	TO	THICKNESS IN FEET	FORMATION
7990	8060	70	Lime — Top Ellenberger @ 8045', av. drlg. time 8048-8057 10 MPF, 16 to 8 MPF 8048'.
8060	8087	27	Lime and chert
8087	8093	6	Lime — Av. 16 MPF, good porosity & staining, fair oder oil. 8075-8093.
8045	8093	48	DST:- (Double Packer) Tool open 1 hr. 23 min. thru 3/8" BHC & 1" surface choke, gas 6 min. mud 7 min., oil 8 min., cleaned 15 min., flowed 15 min. periods, 10, 9.63, 9.63, 10, Total 39.26 bbls oil 1 hr., Grav. 42.1 @ 60°; 4/10 of 1% BS no water, 24 hrs., gas 1184 MCF Est. GOR 1257/1. SFP 50#-90#; Rec circ. out. BHFP 1025-1260#; S-I 15 min. BHP 2925#.
8093	8145	52	Lime
8145	8168	23	Dolomite
8168	8206	38	Lime — Top sand 8185'.
8206	8215	9	Sand
8215	8220	5	Weathered granite — Straight @ 8220. Top weathered granite, 8215, av. drlg. time 8185-8207 13 MPF, good porosity & staining 8185-8207.
8180	8220	40	DST:- (Two Packers) Tool open thru 3/8" BHC & 1" surface choke 1 hr. 54 min., gas 5 min., mud 35 min., oil 37 min.; flowed 15 min. periods 19.3, 13.8, 9.6, 11, 12.4, total 66.1 bbls. oil 1¼ hrs., GOR 795/1, (24 hr. est. vol. 1009 MCF) Grav. 40.9 @ 60°; 1/10 of 1% water, 4/10 of 1% BS SFP 130#; BHFP 1600#; 15 min. S-I BHP 2700#. Rec. circ. out.
3798	8217	4419	Ran Schlumberger to Set 5½" OD casg. @ 8220; Top of Baker Baffle collar 7942.59; Top of Baker Multiplex Collar 7964.61; Top of Baker Float Collar 8184.39; Baker Petal Baskets @ 7538.65, 7554.65, 7992.41, 8008.41; Top of Halliburton FloatCollar 8182.89; Top of Halliburton Float Shoe 8218.27; Centralizers set @ 5112.96, 5142.42, 5172.28, 5205.02, 5237.39, 5269.97, 5307.47; 5350.47, 5350.33, 6358.57, 6401.13, 6443.01, 6485.62, 6518.79, 6551.08, 6583.17, 7511.09, 7580.93, 7612.79, 7645.07, 7686.02, 7717.86, 7749.34, 7875.11, 7908.64, 7974.61, 8025.02, 8053.96, 8087.66, 8115.55, 8147.36, 8178.39, 8214.00 w/75 sax below Baker Multiplex Collar, & 1200 sax above collar. Lost circ. 1# min. after job started and shut down, W.O.C. Ran Halliburton Temp. Srrv. -Top cement inside, 5620', outside @ 5230'.
5620	7879	2259	Drill out cement
	5220		Lane Wells perf. 5½" OD casg.- w/2-½" hls, no circ w/1800#.
	5215		Lane Wells perf. 5½" OD casg.-w/2-½" hls, circ. w/1600#.
	5215		300 sax cement thru perf.- plug @ 5123, 2000# held.
7879	8220	341	Drill out cement
8190	8210	20	Lane Wells perf 5½" Od.w/4 SPF, 80 hole.

TEST: Natural flow 132.55 bbls. oil 9 hrs. thru ¼" positive choke; CP 175-130#; TP 750-760#; GOR 1199/1. Corr. Grav. 41.6 @ 60°; 4/10 of 1% BS; Est. 24 hr. cap. 324 bbls. Est. 423.95 MCF gas vol.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION	
0	2.28	2.28	From top of rotary drive bushing to derrick floor	
2.28	12.38	10.10	From derrick floor to top of 9-5/8" OD casing	
12.38	40	27.62	Sand and caliche	
40	187	147	Sand and gravel	
187	200	13	Red bed and shells	
200	260	60	Red bed	3/4 @ 200
260	311		Red bed and shells	
			Set 13-3/8" OD casing @ 311' w/300 sax.	
311	342	31	Red bed	
342	520	178	Red bed and shells	
520	1190	670	Red bed	Straight @ 700
1190	1310	120	Anhydrite	Straight @ 1000
1310	2455	1145	Salt and anhydrite	Straight @ 1310, 1600, 1700, 1800; 3/4 @ 1900; 1-½ @ 2000; 1 @ 2060, 2110; 1-¼ @ 2243, 3/4 @ 2325; 1 @ 2420.
2455	2515	60	Anhydrite	3/4 @ 2480
2515	3262	747	Lime and anhydrite	1 @ 2650, 2810; 3/4 @ 2930, Straight @ 3080; 3/4 @ 3280; Straight @ 3390; 3/4 @ 3543; 3/4 @ 3713; 1/2 @ 3790.
			Set 8-5/8" OD casing @ 3810' w/1000 sax.	
3810	5172	1362	Lime	1 @ 4450; 2 @ 4585; 2½ @ 4635; 1 @ 4695; 1-3/4 @ 4755; 1-3/4 @ 4838; 1-¼ @ 4905; 1 @ 5142.
5147	5172	25	DST:- Tool open 2 hrs. thru 5/8" BHC, good blow thru out test, gas 1 min., light spray oil & sulphur water 1 hr. 50 min., Rec. 1980' oil (drill pipe unloaded) 3½ min. w/1980' pipe in hol 2 min.w/510' in hole 150' oil and gas cut drlg. mud, 90' suolhur water. SFP 0-5#; BHFP 250-350#; S-I BHP 15 min. 1825#, Hy. hd. 2500#.	
5172	6467	1295	Lime	1 @ 5420; 1-3/4 @ 5510; 1 @ 5590; 5669; ¼ @ 5889; 1 @ 6022; 1-¼ @ 6169; 3/4 @ 6290.
6467	6505	38	Lime, broken	
6445	6505	60	DST:- (Double Packer) Tool open thru 5/8" BHC & 1" surface choke, open 25 min. gas 1½ min., mud 12 min., distillate & mud 15 min. SFP 450#; BHFP 1980#, 15 min. build up BHP 2480#, Est. gas vol. 7130, Rec. 60' distillate.	
6505	6572	67	Lime	Straight @ 6516
6502	6572	70	DST:- (Double Packer) Tool open thru 5/8" BHC & 1" surface choke for 2 hrs. 13 min., gas 1½ min., mud 65 min., oil 68 min., total oil produced 13.75 bbls., total gas 60.2 MCF, GOR 4380/1 Grav. 37.7 @ 60°; shake out 1.4% mud; SFP 55#; BHFP 500#; S-I 15 min. build up BHP 2400#. Est. oil 11 bbls. per hr., est. gas 1160 MCF 24 hrs.	
6572	7021	449	Lime	3/4 @ 6650; 1-¼ @ 6680; 1½ @ 6794; 2 @ 6970, 7000.
7021	7038	17	No formation logged	2¼ @ 7030
7038	7280	242	Lime	2@ 7080, 7190
7280	7307	27	Lime and shale	
7307	7342	35	Lime	
7342	7371	29	Lime and shale	
7371	7432	61	Lime	
7432	7440	8	Lime and shale	
7440	7509	69	Lime	
7509	7544	35	Shale	
7544	7594	50	Lime and shale	1 @ 7594
7594	7598	4	Shale	
7598	7630	32	McKee Sand	McKee sand break 7598; Av. 3 MPF, 7610-25.
7600	7630	30	DST:- (Double Packer) Tool open thru 5/8" BHC & 1" surface choke 1 hr. 50 min., gas 2½ min., mud 1 min., oil 8½ min., cleaned 12 min., 15 min. periods, 15.82, 15.82, 16.50, 16.5, 18.57, 16.50, total 1½ hrs. 99.71 bbls. oil. GOR 1052/1. Est. gas vol 24 hrs. 1678 MCF. 45.5 @ 60°; 4/10% BS; SFP 175#; BHFP 1675-1800#; 15 min. S-I BHP 2715#; Hyd. hr. 4050#; No. rec. circ. out.	
7630	7647	17	Sand	
7647	7710	63	Sand and shale	
7710	7739	29	Sand and lime	
7739	7740	1	Lime	
7630	7740	110	DST:- (Double Packer) Tool open 1½ hrs. thru 5/8" BHC & 1" surface choke, gas 4 min., mud in 9 min., oil 13 min., cleaned 2 min., flowed by 15 min. periods 26.91, 2131, 22.69, 26.81, 22, total 119.62 bbls. oil 1½ hrs., Grav. 44.7 @ 60°; 2/10% drlg. mud; GOR 1131/1. SFP 250#; BHFP 2500#-2550#; S-I BHP 15 min. 2850#. Hyd. Hd. 3820#, no rec., circ. out.	
7740	7752	12	Shale	
7752	7763	11	Sand	Bottom McKee Sand 7763', av. 4 MPF., 7752-7763'
7763	7770	7	Lime and shale	
7740	7770	30	DST:- (Double Packer) Tool open 1 hr. 45 min. thru 5/8" BHC & 1" surface choke, gas 4 min., mud 33 min., oil 35 min., cleaned 10 min., flowed by 15 min. periods, 11.69, 7.56, 8.25, 10.31, total 38.81 bbls. oil 1 hr. Corr. Grav. 42.6 @ 60°; 2/10 of 1% mud; SFP 180#; BHFP 1090# to 1250#; 15 min. S-I BHP 2590#; Hyd. hd. 4020#; No. red., circ. out.	
7770	7798	28	Shale and sand	
7798	7895	97	Lime	
7895	7905	10	Shale and sand	
7905	7920	15	Wadell sand	Av. drilling time 10 MPF, good staining & oil odor.
7905	7920	15	DST:- (Double Packer) Tool open 2 hrs. thru 5/8" BHC & 1" surface choke, fail blow at surface thru out test, gas 40 min., rec. 30' free oil & 90' heavily oil & gas cut drlg. mud; SFP 0#; BHFP 150#; S-I 15 min. BHP 1900#; Hyd. hd. 4100#.	
7920	7934	14	Lime	
7934	7943	9	Sand and shale	
7943	7990	47	Shale and lime	

FORM C-105



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

Company or Operator E. O. CARSON Address

Lease Well No. # 14 in of Sec., T.

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 FROM	PERFORATED TO	PURPOSE

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

day of, 19

Notary Public

My Commission expires

Place Date

Name

Position

Representing
Company or Operator

Address