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FORM C-105

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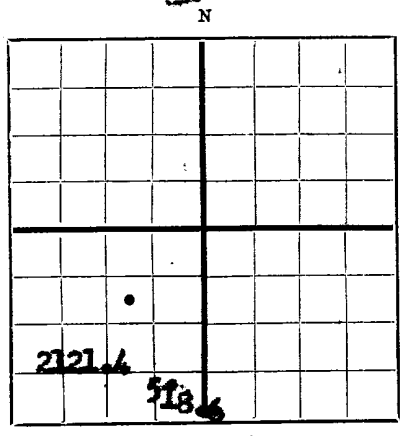


AREA 640 ACRES
LOCATE WELL CORRECTLY

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 — Box 727, Kermit, Texas
Company or Operator — Address

E. O. Carson — 17 — SW/4 — 28 — 21-S
Lease — Well — in — of Sec. — T.

37-E — North — South — 2121.4 Field — East — West — Lea — County.
R. 31.6, N. M. P. M. — Section 28

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 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 April 28 19 48. Drilling was completed July 10, 19 48

Name of drilling contractor Makin Drilling Company, Address Box 13, Hobbs, New Mexico

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 6435 to 6618 No. 4, from 8112 to 8135

No. 2, from 7520 to 7590 No. 5, from to

No. 3, from 7963 to 8147 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 FROM	PERFORATED TO	PURPOSE
13-3/8"	48#	8RT	H-40 ST	338	Halliburton				Surface
8-5/8"	32#	8RT	H-40 SS	2900	Halliburton				Intermediate
5-1/2"	17#	8RT	N-80 SS						
5-1/2"	17#	8RT	J-55 SS	8143	Halliburton		8112	8135	Oil String
2"	4.7#	8RT	J-55 SS	8138					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17½"	13-3/8	338	300	Pump & Plug		
11"	8-5/8	2900	1500	Pump & Plug		
7-7/8	5-1/2	8143	150 & 300	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
		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 8143' feet, and from feet to feet

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

PRODUCTION

Put to producing July 18, 19 48

The production of the first 10 hours was 139.7 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be. 39.7 @ 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 27th day of July, 19 48

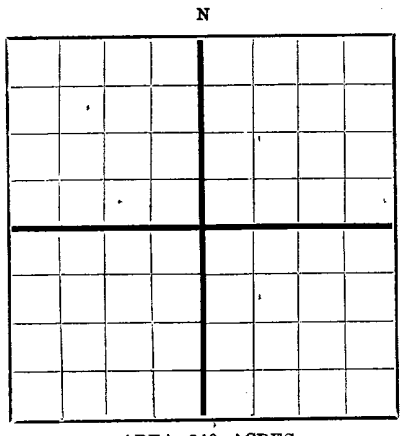
Kermit, Texas (Place) (Date)

Name [signature] Chief Clerk

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION	
8004	8024	20	Cored	Rec. 20' (3' coarsely crys. talline gray dolomite, 30% fractured & vuggy porosity, good show oil, 1' pyritic & glauconitic gray dolomite, 3' coarsely crystalline gry. dolomite, 10% porosity, show oil, 11' coarsely crys. brn. dolomite, partly cherty, 10% porosity, show oil, 2' coarsely crys. brn. dolo., 30' vuggy and fractured porosity, good show oil.
8024	8034	10	Cored	15 MPF; Rec. 10' fine to medium crys. gry. brn. dolo. w/few embedded sand grains, 10-20% fractured & vuggy porosity, fair show oil,
8034	8039	5	Cored	Rec. 2' med. to coarsely crys. cherry gry. dolo, 20% vuggy poro., show oil, 20 MPF drlg. time.
8039	8058	19	Cored	Rec. 12' (11' med. to coarsely crys. dense gry. dolo. w/embedded sand grains, 10-20% poro., show of oil, 1' sandy gray dolomite).
8058	8069	11	Cored	Rec. 4' (2' med. crys. gry. to brn. dense dolo., 10% porosity, show oil, 1' finely crys. dense shaley green dolo., 1' coarsely crys. brn. dolo., 40%vuggy poro., good show oil.
8069	8072	3	Cored	Rec. 2' fine crys. siliceous dolomite.
8072	8079	7	Cored	Rec. 7' (1' med. crys. gry, brn. dense dolo., trace fractured porosity, slight show oil, 4' med. to coarsely crys. gry brn. vuggy fractured dolo., 20% poro, fair show oil, 1' shaley grn. dolo., 1' med. crys. gry. cherty dolo, slightly sandy, 10% vuggy porosity.
8079	8087	8	Cored	Rec. 8' (3' medium crys. slightly cherty gry. dolo, 50% poro., good oil show, 2' finely crys. gry dolo., 2' shaley grn. dolomite, 1' med. crystalline slightly cherty brn. dolo, 20% poro, oil show.
8087	8094	7	Cored	Rec. 6', (2' finely crys. sandy & siliceous gry. tan dolo, 4' finely to med. crys. shaley sandy gry-grn. dolo, tr. of porosity, slight show oil.
8094	8117	23	Cored	Rec. 7'(3' med. crys. shaley grn. dolo, trace porosity, slightyshow oil, 2' shaley & dolomitic med. grain grn. sand, 2' coarsely crys. sandy tan dolo, 10% poro., slight show oil.
8117	8156	39	Cored	Rec. 35' (2' dolomitic sand w/shale strks, fair show oil, 1' med. grain tan sand, fair show oil, 1' med. grain tan sand, fair show oil, 20' coarse grain tan sand w/few thin shalestrk. slightly dolomitic, good show oil, 1' med. crys. sandy gry. dolomite, 2' coarse grain tan sand w/few thin shale strks, slightly dolomitic, fair to good show oil, 5' weathered granite or granite wash, 4' fractured pink granite.
8156			TOTAL DEPTH	
8142			Ran Schlumberger Well Survey. Detail 5000-5300; 6300-6600; 7500-8142.	
8156	8143	13	Corrected depth as per casg. measurement.	
			Set 5½" OD casg. @ 8143 w/Multiplex Collar @ 7270 w/150 sax below Multiplex Collar after 5 hrs., 800 sax thru Multiplex Collar. Complete circ. while cementing.	
			Halliburton Float Shoe @ 8142.52	
			Halliburton Float Collar @ 8100.15	
			Baker Float Collar @ 8101.67	
			Baker Baffle Collar @ 7228.89	
			Metal Petal Baskets @ 7303.16, 7274.86	
			Centralizers @ (Ellenberger) 8137.32, 8017.96, 7901.01, 7706.63, 7624.32; (McKee) 7542.55, 7461.58, 7393.96, 7371.29, 7348.62, 6602.31, 6538.52; (Drinkard) 6475.01, 6412.39, 5413.91, 5348.33, 5285.77; (Paddock) 5224.60, 5161.22, 5104.24, 5040.28, 2692.34	
0	7030	7030	Schlumberger ran Temp. Survey, Approx. top of cement - 2325'.	
7025	8138	1113	Drilled out cement.	
8140½			Lane Wells ran Gamma Ray & Neutron Log.	
8112	8135	23	Lane Wells perf. 5½" OD casg. w/92 holes, 4 SPF.	

FORM C-105



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.....
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 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..... .....
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	2.50	2.50	From top of rotary drive bushing to derrick floor.	
2.50	14.28	11.78	From drk. floor to top of 13-3/8" OD casing.	
14.28	340	325.72	Red bed & caliche	¼° @ 150.
			Set 13-3/8" OD casg. @ 338 w/300 sax. Cement circulated.	
340	1170	830	Red bed & shells	¼° @ 750.
1170	1285	115	Anhydrite	
1285	1360	75	Anhydrite & salt	
1360	1541	181	Salt, anhy., shells	¼° @ 1050, 1284; ⅛° @ 1520
1541	1715	174	Salt & anhydrite	¾° @ 1696.
1715	1940	225	Anhy, salt & shells	
1940	2090	150	No form. logged	1¼° @ 2000.
2090	2235	145	Salt & shells	2½° @ 2220, 2325.
2235	2330	95	Salt & anhyl	
2330	2469	139	Salt & anhy. shells	
2469	2523	54	Anhy. & gyp	2¼° @ 2480.
2523	2564	41	Anhy, gyp & sand	2½° @ 2540.
2564	2658	94	Anhydrite	
2658	2694	36	Anhy. & gyp	2¼° @ 2652.
2694	2792	98	Anhydrite	2 1/8° @ 2700.
2792	2865	73	Anhy. & gyp	2° @ 2806; 1¾° @ 2885.
2865	2900	35	Anhydrite	
			Set 8-5/8" OD casg. @ 2900 w/1500 sax.	
2900	3065	165	No form. logged	
3065	3166	101	Anhydrite	
3166	3392	226	Anhydrite & lime	1¼° @ 3201.
3392	3442	50	Anhydrite	¾° @ 3400.
3442	3574	132	Anhy. & lime	
3574	3632	58	No form. logged	
3632	4267	635	Lime	¼° @ 3750; 1½° @ 4000; 1¼° @ 4150.
4267	4320	53	Broken lime	1-3/4° @ 4250; 2° @ 4306.
4320	4930	610	Lime	2° @ 4350, 4425; 1¼° @ 4485; 1½° @ 4550, 4610; 1¼° @ 4677; 1° @ 4735; ¾° @ 4884.
4930	4936	6	Sandy lime	
4946	6435	1489	Lime	¾° @ 5199, 5475, 6139.
6435	6459	24	Cored	Rec. 21' fair brown dominated w/few strks. anhy., dark brown shale partings, fair porosity and stain.
6459	6508	49	Cored	Rec. 39' limestone & dolomite, gas 6460-6466. Distillate 6470-6474, broken oil pay 6487.
6508	6557	49	Cored	Rec. 13' limestone & dolomite w/scattered porosity and stain.
6557	6587	30	Cored	Rec. 20' dolomite & limestone, fair porosity & good staining.
6587	6596	9	Cored	Rec. 3' dolomite, fair porosity, good stain.
6596	6618	22	Cored	Rec. 22' dolomite, fair porosity, good stain.
6618	6622	4	No form. logged.	
6622	7407	785	Lime	¼° @ 6965.
7407	7468	61	Shale	1½° @ 7438.
7468	7497	29	Lime	2° @ 7472.
7497	7549	52	Sand & shale	
7549	7590	41	Sand	
7520	7590	70	DST (2 packers) No water cushion, 1 hr. 20 min., 5/8" BHC & 1" surface choke, gas 3 min., strong blow. Mud 9½, oil 10 min., cleaned in test tank 9 min. Flowed 15 min. periods, 22 B/O, 20.6 B/O, 20.6 B/O, 21.3 B/O, total 84.5 B/O, 1 hr. GOR 531/1. (Est. 24 hr. gas 1098 MCF) 8/10 of 1% B.S. Grav. 44.3 @ 60°. SFP no gauge; BHFP 2210-2270. S-I 15 min. BHP 2920#; hy. hd. 3750#.	
7590	7626	36	Sand	
7626	7646	20	No form. logged	1-3/4° @ 7646.
7646	7665	19	Sand & lime	
7665	7689	24	Lime	
7689	7734	45	Sand & lime	
7734	7743	9	Shale	1-3/4° @ 7735.
7743	7767	24	Gyp & lime	
7767	7787	20	Lime	
7787	7799	12	Shale	
7799	7813	14	Lime	3° @ 7804.
7813	7824	11	Sand & lime	
7824	7849	25	Lime	
7849	7870	21	Sand & lime	
7870	7930	60	Lime	Lost circ. completely @ 7892. Regained w/weighing mat'l after 8 hrs. Lost 1/3 circ. @ 7925, regained after 2 hrs.
7930	7936	6	No form. logged	
7936	7960	24	Lime	
7960	7975	15	Cored	Rec. 10' (3' weathered chert conglomerate), 7' brown dolo. partly siliceous & cherty, 10% poro, 30% stain, 20 MPF. 7963', top of Ellenberger.
7975	7979	4	Cored	Rec. 4' (2' porous tan weathered chert, small shlo oil, 2' dense gray dolomite, small show oil, 10% porosity, 20 MPF).
7979	8004	25	Cored	Rec. 21' (9' dense brown dolomite, 20% vuggy porosity, show of oil, 5' dense brwn. dolomite, 30% vuggy porosity, good show oil, 7' coarsely crystalline gray dolomite, 30% fractured & vuggy poro. good show of oil.