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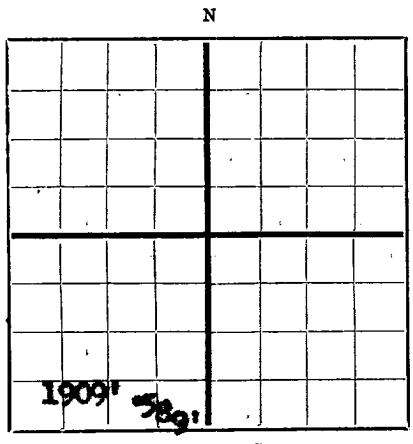
FORM C-105



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. 12 in SW/4 of Sec. 28, T. 21-S

R. 37-E, N. M. P. M., Drinkard Field, Lea County.

Well is 589 feet north of the South line and 1909 feet east of the West line of Section 28

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 17, 1947 Drilling was completed September 26, 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 3462' feet.

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

OIL SANDS OR ZONES

No. 1, from 5121 to 5150 No. 4, from ..... to .....

No. 2, from 6560 to 6590 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 FROM	PERFORATED TO	PURPOSE
13-3/8"	48#	8RT	H-40	311	Halliburton				Surface
8-5/8"	28#	8RT	[illegible]						
8-5/8"	28#	8RT	H-40						
8-5/8"	35#	8RT	J-55						
8-5/8"	32#	8RT	S-55 Smls.	3801	Halliburton				Intermediate
5-1/2"	17#	8RT	[illegible] Smls.	6621	Halliburton		6560	6590	Oil String
2"	4.7#	8RT	EUE H-40 Smls.	6610					

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	3801	1200	Pump & Plug		
7-7/8"	5-1/2	6621	425	Pump & Plug		

PLUGS AND ADAPTERS None.

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
		20% low ten. acid	2000 gals.	9-27-47	6560-6590	

Results of shooting or chemical treatment Completing well.

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 6621 feet, and from ..... feet to ..... feet

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

PRODUCTION

Put to producing September 26, 19 47

The production of the first 8-3/4 hours was 101.2 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be. 38.9 @ 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 20th day of February, 1948

Notary Public

My Commission expires June 1, 1949

Kermit, Texas (Place) February 20, 1948 (Date)

Name [signature]

Position District Superintendent

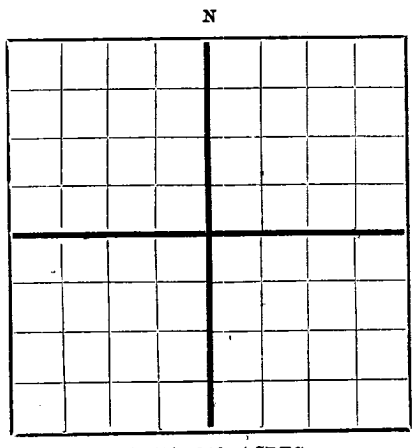
Representing Magnolia Petroleum Company (Company or Operator)

Address Box 727, Kermit, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
6490	6530	40	DST - (2 Packers) Tool open 2 hrs. 10 min. thru 5/8" BHC & 1" surface choke, gas 4 min., est. 755.8 MCF 24 hrs., drlg. mud & oil 45 min., clean oil 67 min; flowed by 15 min. periods, 8.9, 6.2, 8.3, 6.2, total 29.6 bbls. oil 1 hr., 6% drlg. mud, grav. 39.5 @ 60°; GOR 1071/1. SFP - NG; BHFP 850#-1150# in 45 min., 1000# when closed; S-I BHP 15 min. 2300#; hyd. hd. 3200#; Rec. displaced.
6530	6581	51	No form. logged
6581	6621	40	Lime 2° @ 6621.
6621			TOTAL DEPTH Set 5-1/2" OD casg. @ 6621' w/425 sax. Centralizers set on the bottom 9 joints and from 5120.67 to 5182.19.
6567 6611	6617	50	D/O cement Lane Wells ran Gamma Ray & Neutron Log - Surveyed from 5000' to 6609'.
6560	6590	30	Lane Wells perforated 5½" OD casing w/120 shots, 4 HPF. Set 2" tubing @ 6610'. Swabbed 30 bbls. formation oil 6 hrs., 3000' oil in hole.
6560	6590	30	Western Co. acidized perf. w/2000 gals. 20% low tension, 2175#-1800#; 58 min. 1 B.P.M.
			REC POT. TEST; Flowed 101.2 bbls. oil 3-3/4 hrs. thru 24/64" choke; CP 500#-575#; TP 200#-75#; GOR 653/1. Corr. Grav. 38.9 @ 60°; 6/10 of 1% B.S. Est. 24 hr. cap. 278 B/O.

FORM C-105



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LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

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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	2.4	2.4	From top of rotary drive bushing to derrick floor.	
2.4	9.8	7.4	From top of derrick floor to 9-5/8" OD casing	
9.8	160	150.2	No form. logged	
160	311	151	Red rock	2° @ 300.
			Set 13-3/8" OD casg. @ 311 w/300 sax.	
311	535	224	Red bed	1¼° @ 330; 3/4° @ 500.
535	938	403	Red bed & shale	1° @ 560; 3/4° @ 650, 740, 1/4° @ 835.
938	1429	491	Red bed	Straight @ 938; ½° @ 1062, 3/4° @ 1185. ½° @ 1265, ½° @ 1365.
1429	1756	327	Red bed & salt	½° @ 1515; ¼° @ 1690.
1756	1840	84	Red rock & salt	
1840	2105	265	Salt & anhydrite	1¼° @ 1874; 2° @ 2020.
2105	2269	164	Red rock & salt	2° @ 2150; 2¼° @ 2269.
2269	2310	41	Salt	
2310	2379	69	Anhydrite	2° @ 2330.
2379	2450	71	Anhydrite & salt	1-3/4° @ 2450.
2450	2540	90	Anhydrite & lime	1¼° @ 2530.
2540	2572	32	Anhydrite	
2572	2944	372	Anhydrite & lime	1¼° @ 2606; 1-3/4° @ 2710, 2747; 1¼° @ 2862.
2944	2975	31	Lime	
2975	3034	59	Anhydrite & lime	
3034	3100	66	Lime	2° @ 3040.
3100	3138	38	Anhydrite & lime	1-3/4° @ 3150.
3138	3150	12	Anhydrite	
3150	3222	72	Anhydrite & lime	Twisted off 17 stands drill pipe; washed over, cut off, & rec. 25' drill pipe; washed over, cut off & rec. 180'; washed over drill pipe to 3154'
2947			Set Retr. Whipstock	Drill by w/7-5/8" bits to 3106'. Lost 3 rock bits.
3106	2835	271	200 sax cement	
2835	2800	35	50 sax cement	Ran Eastman 1 Shot Survey.
2802			Set Whipstock	Drilled out to 2814' w/7 5/8" bits & knuckle jts. Reamed to 11" hole. 2° @ 2814.
2800 *	2811	11	SLC top of cement	Drlg. in orig. hole @ 2814.
2814			Replaced Whipstock	Drlg. in orig. hole.
2550	2379	171	300 sax cement	
2379	2350	29	150 sax cement	
2350	2315	35	200 sax cement	
2334			D/O cement	w/11" hole. Lost Eastman Survey Tool.
2349			Washed out cement	Did not rec. Eastman Tool.
2349	2313	36	100 sax Calseal	
2313	2328	15	D/O Calseal	
2328	2342	14	Anhydrite & salt	
2342	2387	45	Red rock & anhydrite	10° @ 2333; 9° @ 2365; 3½° @ 2369; 4½° @ 2385.
2387	2418	31	No form. logged	
2418	2546	128	Lime & anhydrite	4-3/4° @ 2401; 4½° @ 2413; 4½° @ 2428; 3-3/4° @ 2448. Ran Eastman 1 Shot Survey @ 2490'. 3° 15 min. 263 E.
2546	2613	67	Lime	3½° @ 2550; 3½° @ 2610.
2613	2690	77	Lime & anhydrite	3½° @ 2680.
2690	2761	71	Lime	3½° @ 2700; 2-3/4° @ 2740, 2-3/4° @ 2761.
2761	2857	96	Anhydrite & lime	3° @ 2771; 2-3/4° @ 2800, 2-3/4° @ 2833.
2857	2880	23	Lime	2½° @ 2860; 3° @ 2880.
2880	2941	61	Anhydrite & lime	2-3/4° @ 2941.
2941	2976	35	Lime	
2976	3132	156	Anhydrite & lime	2½° @ 2980, 3010; 2¼° @ 3043, 3068, 3103; 2° @ 3132.
3132	3180	48	Lime	2¼° @ 3160.
3180	3215	35	Lime & anhydrite	2° @ 3192.
3215	3276	61	Lime	
3276	3280	4	Lime & anhydrite	
3280	3629	349	Lime	1¼° @ 3350p 1½° @ 3430; 2° @ 3479; 1-3/4° @ 3520; 1½° @ 3582. Twisted off drill pipe @ 2718; washed over, cut off, & pulled 6" drill pipe, 2718 to 2988. Washed over, cut off & pulled 6" drill pipe 2988 to 3233. Washed over and rec. remainder of drill pipe.
3629	3635	6	No form. logged	
3635	3675	40	Lime	
3675	3690	15	No form. logged	1¼° @ 3687.
3690	3801	111	Lime	SLC 3705 = 3687.
			Set 8-5/8" OD casg. @ 3801 w/1200 sax.	
3801	4378	577	Lime	1° @ 3988; 1½° @ 4142, 4220. SLC 3988 = 3980.
4378	4449	71	No form. logged	3/4° @ 4473.
4449	4526	77	Lime	
4526	4564	38	No form. logged	
4564	5150	586	Lime	SLC 4868 = 4878 3/4° @ 4878; ½° @ 5036. SLC 5030 = 5036.
5121	5150	29	DST - Tool open 1½ hrs. thru 5/8" BHC & 1" surface choke, gas 12½ min., rec. 30' heavily oil cut drlg. mud, 90' free oil, 90' sulphur wtr., 60' free oil, 90' heavily oil cut mud; SFP 0#; BHFP 275#; S-I BHP 15 min. 1500#; hyd. hd. 2525#.	
5150	5218	68	No form. logged	
5218	6530	1312	Lime	½° @ 5450; 1° @ 5776; 1½° @ 6115. Av. drlg. time from 6467-6530, 4 MPF.