DUPLICATE

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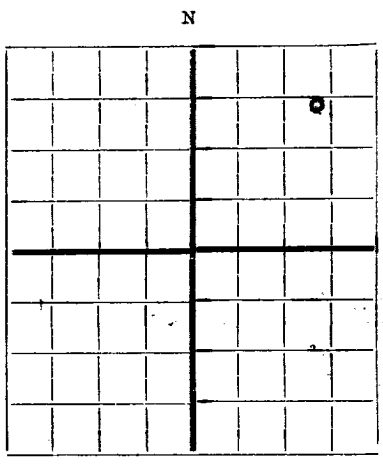
FORM C-105



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)

Brunson Argo (Lease) Well No. 13 in NE/4 of Sec. 9, T. 22-S

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

Well is 731 feet south of the North line and 739 feet west of the East line of Section 9.

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

If patented land the owner is R. L. Brunson, Address Eunice, New Mexico

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

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

Drilling commenced April 12, 1947. Drilling was completed May 28, 1947

Name of drilling contractor Magnolia Petroleum Co's. New Mexico Drilling Tools, Address Box 727, Kermit, Texas

Elevation above sea level at top of casing 3427' feet.

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

OIL SANDS OR ZONES

No. 1, from 3850 to not logged No. 4, from ..... to .....

No. 2, from 5040 to not logged No. 5, from ..... to .....

No. 3, from 6520 to 6573 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	306	Halliburton				
8-5/8"	32#	8rt	J-55	3817	Halliburton				
5-1/2"	17#	8rt	J-55	6580	Halliburton		6520	6573	Producing zone.

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"	306	300	Pump & Plug		
11"	8-5/8"	3817	1000	Pump & Plug		
7-3/4	5-1/2"	6580	450	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% L.T. Acid	2,000	6-2-47	6520-6573	

Results of shooting or chemical treatment Process of completion.

See reverse side. 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 0 feet to 6580 feet, and from ..... feet to ..... feet

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

PRODUCTION

Put to producing May 31, 19 47

The production of the first 24 hours was est. 270 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be 37.8°

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 day of September, 1947

Notary Public

My Commission expires June 1, 1949

Kermit, Texas, (Place) Sept. 30, 1947 (Date)

Name L. T. Dunn

Position District Superintendent

Representing Magnolia Petroleum Company (Company or Operator)

Address Box 727, Kermit, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION	
0	2.6	2.6	Top of rotary drive bushing to derrick floor	
2.6	12.4	9.8	From derrick floor to top of 8-5/8" OD casing	
12.4	40	27.6	Surface	
40	125	85	Sand	
125	190	65	Red bed and shale	
190	306	116	Red rock	¼ @ 210
				Set 13-3/8" OD casg. @ 306' w/300 sax.
306	440	134	Red bed	
440	780	340	Red bed & shale	Straight @ 500
780	1060	280	Red bed & blue shale	Straight @ 810
1060	1125	65	Red bed	
1125	1215	90	Anhydrite	1/4 @ 1140
1215	1455	240	Anhydrite & salt	
1455	1580	125	Broken anhydrite	Straight @ 1490;
1580	2/10	830	Salt & anhydrite	1/4 @ 1810; 1 @ 2255.
2410	2437	27	Anhydrite	
2437	2500	63	Sand,anhy, & shells	
2500	2544	44	Anhydrite & gyp	
2544	2660	116	Anhy.,lime,shale strks	1 @ 2550
2660	3332	672	Lime & anhydrite	1 @ 2925,
3332	3376	44	Lime,anhy. & shale	1 @ 3345.
3376	3403	27	Lime & anhydrite	
3403	3650	247	Lime	1½ @ 3555,
3650	3671	21	Lime (odor)	
3671	3817	146	Lime	
				Set 8-5/8" OD casg. @ 3817' w/1000 sax.
3817	3830	13	Drilled out cement	
3830	3905	75	Lime and sand	
3905	4602	697	Lime	1 @ 4080; ½ @ 4380.
4602	4635	33	No formation logged	
4635	5000	365	Lime	1 @ 4755,
5000	5077	77	Lime & shale(Sand) good oder	1 @ 5068.
5077	5388	311	Lime	
5388	5435	47	Lime (Brown)	
5435	6425	990	Lime	1 @ 5520; 1½ @ 5977; 1½ @ 6225;
6425	6485	60	Lime (Broken)	
6485	6580	95	Lime	2 @ 6563 (Gas 6403-6438)/ SGC 6565-6568, gas & oil 6450-6475; top oil 6481. Drlg. time average 5 M.P.F., 6404-6573 10 M.P.F. 6437-6450.
6492	6580	88	Drill Stem Test	(Double packer), tool open 2 hrs. thru 5/8" BHC & 1" surface choke, gas in 23 min., (Insufficient to measure), Rec. 120' oil and gas cut drilling mud, 240' heavily oil and gas cut drilling mud, BHFP 0#-S-I, BHP 1100# after 15 min.
3812	6569	2757	Ran Schlumberger	
				Set 5-1/2" OD casg. @ 6580' w/450 sax, w/centralizers set @ 6572, 6537, 6505, 6473, 6440, 6408, 6377, 6344, 5234, 5202, 5170, 5138, 5106, 5074.
6580	6578	5	Drilled out cement	
6520	6573	53	McCullough Tools perforated 5½" OD casg.	w/212 shots (4 H.P.F.)
				2" tubing set @ 6578'.
6520	6573	53	Western acidized perforations.	w/2000 gals, 20% low tension, 2575# to 2200# in 70 min.

TEST: Flowed 94.7 bbls. oil, 8-1/2 hrs. thru 1/4" positive choke, TP 300#-400#; CP 1050#-825#, GOR 1016/1, Corr. Grav. 37.8; Daily allow. 75 bbls. oil per day; Cap 270 bbls. oil per day.