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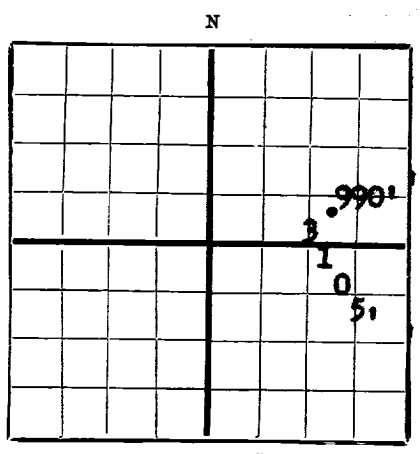
FORM C-105



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)

J. N. Carson (Lease) Well No. 2 in NE/4 of Sec. 33, T. 21-S R. 37-E, N. M. P. M., Brunson South Field, Lea County.

Well is 3105 feet ~~South~~ North of the ~~North~~ South line and 990 feet ~~East~~ West of the East line of Sec. 33.

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

If patented land the owner is J. N. Carson, Address Merkel, Texas

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

The Lessee is Magnolia Petroleum Company, Address Box 727, Kermit, Texas

Drilling commenced October 12, 1947 Drilling was completed December 17, 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 7445 to 7460 No. 4, from ..... to .....

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

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

IMPORTANT WATER SANDS None.

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 Ex J-55	303	Halliburton				Surface
9-5/8"	36#	8rt	Ex J-55	2966	"				Intermediate
7"OD	23#	8rt	Smls.	7470	"		7445	7460	Oil String
2"	23#	8rt	N-80 Smls.						
2".	4.7#	8rt	EUE Smls.	7463					

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	303'	300	Pump & Plug		
12-1/4	9-5/8	2966'	1000	Pump & Plug		
8-3/4	7"OD	7470'	775	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
		NONE.				

Results of shooting or chemical treatment None.

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 7470' feet, and from ..... feet to ..... feet

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

PRODUCTION

Put to producing December 17, 19 47.

The production of the first ~~24~~ 12 hours was 146.23 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be 42.2 @ 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 11th day of February, 19 48

Notary Public

My Commission expires June 1, 1949

Kermit, Texas (Place) February 11, 19 (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
0	.40	.40	From top of rotary drive bushing to derrick floor. Rotary table flush w/derrick floor.
.40	13.43	13.03	From derrick floor to top of 9-5/8" OD casg.
13.43	20	6.57	Caliche
20	145	125	Sand and gravel
145	186	41	No formation logged Straight @ 150'
186	303	117	Red bed and shale Straight @ 274'
			Set 13-3/8" OD casg. @ 303' w/300 sax.
303	1110	807	Red bed ½° @ 510; ½° @ 740; Straight @ 900; ½° @ 1060'.
1110	1220	110	No formation logged
1220	1355	135	Lime, shells, red bed
1355	2146	791	Salt & anhydrite ½° @ 1420; Straight @ 1591; ¼° @ 1746
2146	2433	287	Anhydrite ½° @ 1850; 1-1/4° @ 2025; 1° @ 2242, 2396
2433	2494	61	No formation logged
2494	2695	201	Anhydrite 1½° @ 2546; 2° @ 2670.
2695	2765	70	Anhydrite, lime 2° @ 2737
2765	2804	39	Anhydrite 1-3/4° @ 2785'
2804	2829	25	Lime
2829	2883	54	Lime & anhydrite
2883	2919	36	Anhydrite 2° @ 2891
2919	2940	21	Anhydrite & lime
2940	2966	26	Lime 2° @ 2965'
			Set 9-5/8" OD casg. @ 2966' w/1000 sax.
2966	3003	37	Lime
3003	3108	105	Anhydrite, lime 2° @ 3040, 3127
3108	7351	4243	Lime 1-3/4° @ 3218; 1½° @ 3280; 1½° @ 3395; 1° @ 3549; 3/4° @ 3648; ½° @ 3870; ½° @ 4000; ½° @ 4222; ½° @ 4320; 1° @ 4386; 1-3/4° @ 4490; 2° @ 4590; 2½° @ 4681; 4709 1-3/4° @ 4772; 2° @ 4828; 1-3/4 @ 4895; 2½° @ 4960; 1-3/4° @ 5065, 5139; 2° @ 5428, 5480; 1½° @ 5525; 1-3/4° @ 5611; 1-3/4° @ 5663; 2½° @ 5745; 1-3/4 @ 5770, 5875; 1½° @ 6006, 6120; 1-3/4° @ 6241; 1-1/4° @ 6290; 1½ @ 6495; 2½° @ 6637; 1-3/4° @ 6697, 6810; 1° @ 6940; 1-3/4° @ 7040; 1° @ 7126, 7233, 7320.
7351	7368	17	Ellenberger chert & lime
7368	7392	24	Ellenberger
7392	7417	23	Lime
7417	7435	18	Ellenberger lime
7435	7439	4	Sand or granite wash
7439	7456	17	Ellenberger sand
7456	7460	4	Sand or granite wash
7460	7470	10	Granite Granite top 7460'; Ellenberger 7318-7460' Av. 10 MPF drlg. time 7440-7452; good staining & porosity.
7440	7470	30	Drill Stem Test (Double Packer) Tool open 1 hr. 45 min. thru 5/8" BHC & 1" surf. choke, gas 4 min., mud 23 min., oil 25 min., cleaned 20 min., flowed 15 min. periods, 12.19, 12.19, 12.48, 12.76, total 49.62 bbls. oil 1 hr. Est. 24 gas Vol. 1338 MCF; GOR 1166/1 Corr. Grav. 43.3 @ 60°; 4/10 of 1% BS, no water; SFP 100-120#; Rec. circ. out. BHFP 1500#; S-I BHP 15 min. 2550#; Hyd. hd. 3900#.
	7470		TOTAL DEPTH
			Set 7" OD casg. @ 7470' w/75 sax below Baker Multiplex Collar @ 7319' and w/ 700 sax thru Baker Multiplex Collar with centralizers set @ 5076.05, 5105.97, 6518.83, 6551.85, 6576.99, 6602.13, 7094.71, 7161.87, 7306.26, 7339.42 7399.65, 7432.67, 7463.41, and Baker Metal Petal Baskets @ 7133.31, 7171.871. Top of Baker Baffle Collar-7085.30 Top of Baker Multiplex Collar-7118.90 Top of Baker Float Collar-7439.26 Top of Halliburton Float Collar 7440.72 Top of Halliburton Float Shoe-7468.15
2000	6050	4050	Halliburton ran Temp. Surv.
3020			Top of cement
5817	7470	1653	Drilled out cement
7459.5			Lane Wells ran Gamma Ray & Neutron Log Surveyed to 7457.5
7445	7460	15	Perf. guns perf. 7" w/4 SPF, 60 shots.
			Ran 2" tubing to 7463'

REC POTENTIAL (NATURAL): Flowed 146.23 bbls. oil 12 hrs. thru 3/4" choke; TP 525-675#; CP 50-50#; GOR 1450/1; Corr. Grav. 42.2 @ 60°; 8/10 of 1% B.S.; Est. 24 hr. cap. 292 bbls. oil; Est. 423.9 MCF