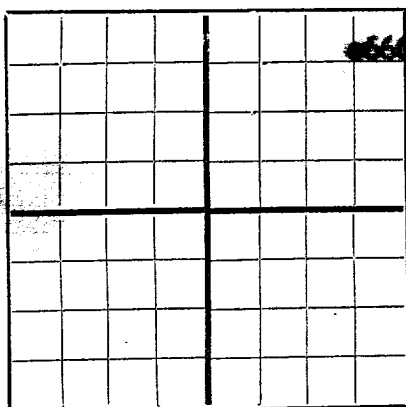


DUPLICATE

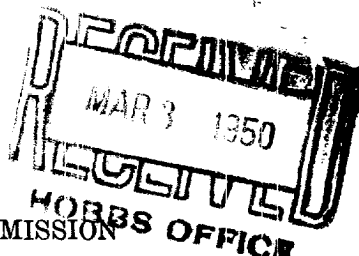
FORM C-105

N



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  
**Betenbough** **W.B.** Well No. **1** in **NE/4** of Sec. **14**, T. **9-S**  
Lease  
R. **35-S**, N. M. P. M., **Bough** Field, **Lea** County.  
Well is **660** feet south of the North line and **660** feet west of the East line of **Section 14**.  
If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
If patented land the owner is **T. Betenbough** Address **Tatum, New Mexico**  
If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_  
The Lessee is **Magnolia Petroleum Company** Address **Box 727, Kermit, Texas**  
Drilling commenced **September 30** **1949** Drilling was completed **December 29** 19 **49**  
Name of drilling contractor **Magnolia Petroleum Company** Address **Box 727, Kermit, Texas**  
Elevation above sea level at top of casing **4135** feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

OIL SANDS OR ZONES **see reverse**

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 **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		PURPOSE
							FROM	TO	
13-3/8"	488	8RT	S-40	372	Halliburton				
9-5/8"	368	8RT	J-55	4429	Halliburton				
9-5/8"	408	8RT	H-80		Halliburton				
7"	328	8RT	H-80		Halliburton				
7"	298	8RT	H-80	9638	Halliburton				
2"	4.78	8RT	J-55	9655					

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"	372	350	Pump and Plug		
12-1/4"	9-5/8"	4429	1500	Pump and Plug		
8-3/4"	7"	9638	1465 & 522 & 300	Pump and Plug		

PLUGS AND ADAPTERS **see reverse**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters — Material \_\_\_\_\_ Size \_\_\_\_\_

RECORD OF SHOOTING OR CHEMICAL TREATMENT **none**

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 **0** feet to **9659** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

PRODUCTION

Put to producing **January 18** 19 **50**  
The production of the first 24 hours was **514** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, Be. **48.5° @ 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 **2nd** **Kermit, Texas** **March 2, 1950**  
day of **March**, 19 **50** Name **Malcolm Keene**  
\_\_\_\_\_, Notary Public Position **Dist. Supt.**  
\_\_\_\_\_, Representing **Magnolia Petroleum Company**  
Company or Operator  
My Commission expires **June 1, 1951** Address **Box 727, Kermit, Texas**

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
9599	9638	39	Drill Stem Test 10% gray shale irregularly bedded hairline to 1/4" shale partings 1" shale partings at 9621; 9625-9627 gray shale w/few scattered limestone nodules about 10% limestone few bracks, 9627 9630 finely crystalline gray shaley limestone nodular limestone about 60% limestone and 40% shale; 9630-9632 dark red to maroon shale; 9632-9634 dark gray finely crystalline limestone about 10% shale; 9634-9634-1/2 finely crystalline gray limestone 9634-1/2 to 9636 finely crystalline gray limestone pin head porosity covering about 10-20% of surface, 9636-9638-1/2 finely crystalline gray limestone vuggy porosity vugs up to 1/2" good odor, good fluorescence in this and pin head porosity above. 1080' WC 2 hrs. 35 min 5/8" BHC and 1" ss gas 20 min (Est. 24 hrs. vol. 1027 MCF) WB and mud 40 min. oil 80 min flowed 21.6 BO 1 hr. (cleaned 15 min WB 1080' GOR 1978/1, Grav. 46.9° 60°, 80 3% BS, SFP 754-100, BHFP 4904-9404, 15 min-I BHP 3480#, Hy H2 5380# in 5285' out. Res. 21'
9638	9659	21	Cored 9638-9659 finely crystalline gray to tan limestone odor and fluorescence throughout; 9638-9638-1/2 10% small vuggy porosity 9638-1/2 to 9639-1/2 trace porosity, 9639-1/2 9647 good vuggy porosity, vugs up to 1" some secondary calcite; 9647-9649 no porosity 1/4" shale break at 9647-1/2; 9649-9659 good vuggy porosity.
9639	9659	20	Drill Stem Test 2 packers 1080' WC 3 hrs. 18 min. 5/8" BHC and 1" SS, gas and mud and WC 45 min oil 55 min cleaned 53 min S/O .2% BS no water flowed 60.75 BO 1-1/2 hrs. (Est. 24 hr. gas 1964 MCF) GOR 1925/1, Grav. 47.5° @ 60°, SFP 2754-2254, BHFP no gauge, 15 min-I BHP no gauge, Hy H2 5550# in 5500# out.
9659			<b>TOTAL DEPTH</b>
9659			Ran Schlumberger microlog 30 sac cement and 13 sac wellite 4 sac aquagel (24 sac line ahead and 10 sac line behind) no fill up
9659	9559	100	4 sac aquagel 15 sac line
9659	9559	100	90 sac cement 10 sac line did not set, pumped out.
9659	9559	100	10 bbls. water 30 sac neat
9659	9559	100	8 bbls. water did not set pumped out.
9659	9559	100	10 bbls. water 24 sac cement
			12 sac wellite 10 bbls. water top cement at 9638'
			<u>Set 7" CD casing at 9638' w/910 sac SS gel</u> <u>455 sac wellite 100 sac neat (1465 total)</u> <u>Plug to 9638</u> Centralizers at 9621.38, 9556.65, 9495, 9429.94, 8869.71, 8808.05, 4461.26, 4396.50
5000	9505	4505	Halliburton ran temp. survey Approx. top cement at 5700'
	5600		Halliburton perf. 7" CD casing w/4 1/2" holes cemented thru perf. 5600 w/280 sac 45 gal 142 sac wellite 100 sac neat total 522 sac Plug to 5522
60	5450	5390	Halliburton ran temp. survey Approx. top cement 300' While testing BOP found hole in 7" CD casing at 3171'
			Set Retainer at 3119
			Cement 300 sac neat 700#
			Tested retainer w/1400# 30 min no break
3171			Drilled out retainer tested hole in casing. 3171' w/1500# 1 hr. no break
5600			Drilled out Tested perf. at 5600 w/1500# 1 hr. no break
9638	9659	21	Drilled out Tested shoe w/1500# 30 min no break
			Ran 2" tubing at 9655'
			Potential Test: Flowed 513.9 BO 24 hrs. 1/4" Adj. choke (20.3 bbls. BSW) TP 10004-10004 GP 350# 600# GOR 1800/1, Grav. 48.8° @ 60°, 3.8% BS and water, Est. 24 hr. capacity 514 BO