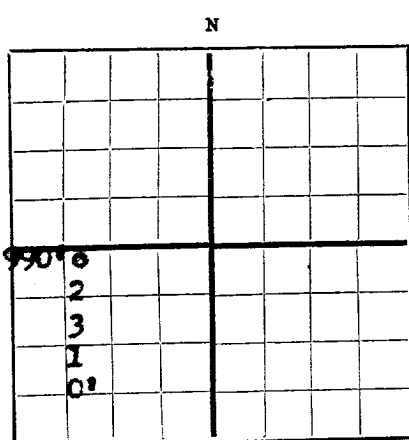


FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
3986	4021	35	Sandy dolomite and lime
4021	4076	55	Sandy lime 3° @ 4027, top Hobbs pay 4035
4076	4111	35	Sand and lime
4111	4140	29	Lime 4035-4125 slight odor 25% porosity
4081	4140	59	Drill Stem Test 1 packer No WC 2 hrs. 5/8" BHC and 1" SC gas 1 hr. fair blow, tool small to measure, no oil, mud or water to surface, Rec. 200' heavily oil and gas cut mud, 100' slightly oil and gas cut sulphur water, SFP 0%, BHFP 125#, 15 min S-I BHP 350#, Hy Hd in 1950# out 1900#
4140	4207	67	Sandy lime 4140-4170 hard sandy dolomite no porosity or staining 4170-4207 sandy dolomite 20-40% porosity, 10-30% staining
4207			<u>TOTAL DEPTH</u>
4166	4207	41	Drill Stem Test 2 packers No WC 2 hrs. 40 min 5/8" BHC and 1" SC, gas 12 min no mud or water to surface, gas vol. Max. 10.43 MCF 24 hrs., Rec 210' heavily oil and gas-cut mud 300' clean oil, SFP 0%, BHFP 0-2 200#, 15 min S-I BHP 550#, Hy Hd 1950# in and 1950# out, Gravity 34.8° @ 60°, S/O 1 1/2 BS (drilg. mud.)
			<u>Set 5" OD casing at 4165' w/90 sax</u> Centralizers at 4177.15, 4110.79, 4045.07, 3342.49, 3245.55,
1900	4067 4133	2167	Halliburton ran temp. survey top cement at 2600' Set Lane Wells Packer at Swab 2.7 BFO 3-1/2 hrs. very little gas, no fluid above packer
4165	4207	42	Western Co. acidized 500 gals 20% LT tp 300'-2450'-2100# 57 min 2/10 BPM Swab 2.7 BFO 3 hrs., show gas, no fluid above packer
4165	4207	42	Western Co. re-acidized 1500 gals 20% LT TP 0'-1700'-1500# 130 min 3/10 BPM Swab 12 BFO 4 hrs. no fluid above packer, good show gas,
4165	4207	42	Western Co. re-acidized 3000 gals 20% LT TP 0-1300# (all treatment except last 5 bbls. went in at 0#, last 5 bbls. went in at 1300#) 162 min 3/10 BPM Swab 46.8 BFO 5 hrs. shut-in 5 hrs. TP no gauge Commenced flowing when open
			<u>2" tubing at 4205'</u>
			Potential Test: Flowed 64/32 BO 24 hrs. thru 15/64" choke TP 90#-75#-80# GOR 820/1, Gravity 36.4° @ 60°, S/O 2 1/2 BS, trace of acid water, Est. 24 hr. capacity 64 BOFD thru 15/64" choke.



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 TRIPPLICATE. 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
Hora Berry Well No. 3 in SE/4 of Sec. 31, T. 18-S
Lease
R. 38-E, N. M. P. M., Hobbs Field, east Lea County.
Well is 2310 feet south of the north line and 990 feet west of the east line of Section 31.
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Hora Berry, Address Goldthwaite, Texas
If Government land the permittee is, Address
The Lessee is Magnolia Petroleum Company, Address Box 727, Kermit, Texas
Drilling commenced September 29, 1949 Drilling was completed October 21, 1949
Name of drilling contractor New Mexico Drilling Tools Magnolia Petroleum Company, Address Box 633, Midland, Texas
Elevation above sea level at top of casing 3651 feet.
The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from 4265 to 4207 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	
9-5/8"	36#	8T	J-55SS	350	Halliburton				Surface
7"	23#	8PT	J-55SS	3240	Halliburton				Intermediate
5"	15#	8PT	J-55SS	4165	Halliburton				Oil String
2"	4.7#	8PT	J-55SS	4205					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
12-1/4"	8-5/8"	430	350	Pump and Plug		
8-3/4"	7"	3240	500	Pump and Plug		
6-1/4"	5"	4165	90	Pump and Plug		

PLUGS AND ADAPTERS none used

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% LT acid	500 gals		4165- 4207	
		20% LT acid	1500 gals		4165- 4207	
		20% LT acid	3000 gals		4165- 4207	

Results of shooting or chemical treatment completing well

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 4207 feet, and from _____ feet to _____ feet.

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

PRODUCTION

Put to producing..... October 26, 1949.

The production of the first 24 hours was 64.32 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be. 36.4° to 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

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 4th Kermit, Texas November 4, 1949
day of November 1949 Place Date
[Signature]
Notary Public
My Commission expires June 1, 1951
Name _____
Position Dist. Surt.
Representing Magnolia Petroleum Company
Company or Operator
Address Box 727, Kermit, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	9	9	From rotary drive bushing to top of 7" OD casing
9	220	211	Caliche and sand
220	300	80	Red bed and sand
300	430	130	Red bed St @ 430
<u>Set 9-5/8" OD casing at 430' w/350 sax. circ. out 25 sax</u>			
430	1277	847	Red bed St @ 950
1277	1572	295	Red bed and shale
1572	1610	38	Shells and sand
1610	1625	15	Red bed St @ 1610
1625	1710	85	Anhydrite and sand
1710	1870	160	Salt
1870	1965	95	Salt, anhydrite & potash & gyp
1965	2130	165	Anhydrite, gyp and shale
2130	2390	260	Salt, sand and potash
2390	2610	220	Salt and potash
2610	2752	142	Anhydrite and gyp 1-3/4° @ 2213, 1-1/2° @ 2366
2752	2800	48	Anhydrite 2° @ 2800
2800	2945	145	Anhydrite and lime
2945	3025	80	Lime, anhydrite and gyp
3025	3240	215	Anhydrite and gyp 1-3/4° @ 3080
<u>Set 7" OD casing at 3240' w/500 sax</u>			
0	3159	3159	Halliburton ran temp. surv. Top cement at 360'
3240	3255	15	Anhydrite and gyp
3255	3307	52	Cored Rec. 52', 3255-3257 finely crystalline gray anhydritic dolomite, 3257-3261 finely crystalline gray anhydritic dolomite, 10% porosity, 10% light stain, 3261-3267 fine grain shaley sandstone, slight bleeding oil slight odor, 3267-3275 finely crystalline lithographic gray dolomite, 3275-3279 finely crystalline gray shale dolomite with stringers of green shale, 3279-3287 very finely crystalline gray dolomite with 25% shaley crystalline gray to brown anhydrite, streaks of stain form 3283-3285, 3287-3291 finely crystalline gray to green shaley anhydrite, slight bleeding gas at 3291, 3291-3295 very finely crystalline gray anhydrite, 3295-3299 medium grain brown sandstone, slight odor and good oil stain, 3299-3305 finely crystalline brown anhydrite, 3305-3307 finely crystalline brown anhydrite with stringers of green and red shale bottom 2" red and green shale
3211	3307	96	Drill Stem Test 1 packer No WC 1 hr. 35 min 5/8" BHC and 1" SC no oil, gas or water to surface, Rec. 30' oil and drlg. mud, 3008 salt water possibly drlg. water, SFP 0#, BHFP 150#, 15 minS-I BHP 1500#, Hy Ht 1500#
3307	3341	34	Cored Rec. 34', 3307-3309 red shale, 3309-3313 finely crystalline white anhydrite, 3313-3317 red shale with 1' anhydrite stringer at 3314, 3317-3319 finely crystalline white anhydrite, 3319-3321 red shale, 3321-3325 finely crystalline white anhydrite, 3325-3327 finely crystalline white anhydrite with laminated gray dirty sand, 3327-3328 finely crystalline anhydrite, 3328-3337 soft gray sand with nodules of anhydrite, odor (not oil) looks wet, 3337-3341 finely crystalline gray dolomite.
<u>SLC 3325 = 3345</u>			
3325	3345	20	Drill Stem Test 1 packer No WC, 2 hrs. 5/8" BHC and 1" SC no gas mud or water to surface, Rec. 30' drlg. mud 180' gas and oil cut mud, SFP not measured, BHFP 0#-80#, 15 minS-I BHP 0#, Hy Ht 1550# in and out 1525#.
3345	3380	35	Cored Rec. 35' 3345-3347 finely crystalline gray anhydrite, 3347-3349 finely crystalline gray anhydrite and finely crystalline gray dolomite (50%), 3349-3351 finely crystalline gray anhydrite & finely crystalline gray dolomite w/green shale, 3351-3353 red shale & finely crystalline gray anhydrite, 3353-3355 finely dark red dolomite with finely crystalline gray to white anhydrite, 3355-3359 finely crystalline gray dolomite w/ finely crystalline gray to white anhydrite, 3359-3369 finely crystalline sandy red dolomite, trace porosity, no stain or fluor. 3369-3373 finely crystalline red dolomite, 3373-3375 red shale w/stringers of finely crystalline red dolomite, 3375-3380 finely crystalline brown dolomite
3380	3473	93	Dolomite and anhydrite
3473	3543	70	Sandy dolomite and gyp
3543	3575	32	Dolomite and anhydrite
3575	3613	38	Lime 3° @ 3580
3613	3673	60	Anhydrite and lime
3673	3735	62	Sand and lime 3° @ 3710