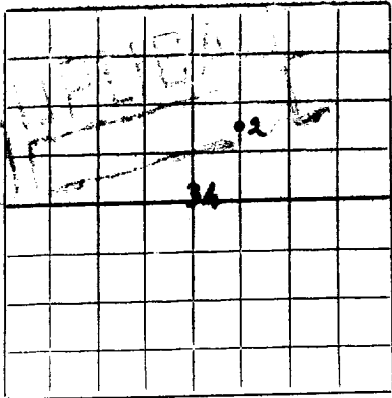


N.



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE OCC
1955 AUG 23 AM 11:33

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

AREA 840 ACRES
LOCATE WELL CORRECTLY

Magnolia Petroleum Company

Read State

(Company or Operator)

(Lease)

Well No. **2**, in **SW** $\frac{1}{4}$ of **NE** $\frac{1}{4}$, of Sec. **34**, T. **13S**, R. **33E**, NMPM.

Levy "J"

Lea

Pool,

County.

Well is **1650'** feet from **North** line and **1980'** feet from **East** line

of Section **34**. If State Land the Oil and Gas Lease No. is **B-10980-19**

Drilling Commenced **May 16,** 19**55** Drilling was Completed **July 9,** 19**55**

Name of Drilling Contractor **Magnolia Petroleum Company**

Address **Box 633, Midland, Texas**

Elevation above sea level at Top of Tubing Head **4223'** The information given is to be kept confidential until _____, 19____.

OIL SANDS OR ZONES

No. 1, from **9666** to **9669** No. 4, from _____ to _____
No. 2, from **9694** to **9698** No. 5, from _____ to _____
No. 3, from **9746** to **9754** 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10 3/4"	32.75#	New	457	Howco			Surface String
7 5/8"	24 & 26.4	New	4356	Howco			Intermediate String
5 1/2"	17#	New	5652	Howco		9746-9754 9666-9669	Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15"	10 3/4"	457	500	Pump & plug		
9 7/8"	7 5/8"	4356	1337	Pump & plug		
6 3/4"	5 1/2"	9825	450	Pump & plug		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

- See attached sheet -

Result of Production Stimulation _____

Depth Cleaned Out _____

WORD 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 9825 feet, and from . feet to . feet.
Cable tools were used from . feet to . feet, and from . feet to . feet.

PRODUCTION

Put to Producing August 16, 19 55
OIL WELL: The production during the first 24 hours was 47 barrels of liquid of which 77 % was oil; 0 % was emulsion; 23 % water; and 0 % was sediment. A.P.I. Gravity 38.4
GAS WELL: The production during the first 24 hours was . M.C.F. plus . barrels of liquid Hydrocarbon. Shut in Pressure . lbs.
Length of Time Shut in .

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy.	1670		T. Devonian.		T. Ojo Alamo.
T. Salt.	1825		T. Silurian.		T. Kirtland-Fruitland.
B. Salt.	2430		T. Montoya.		T. Farmington.
T. Yates.	2587		T. Simpson.		T. Pictured Cliffs.
T. 7 Rivers.			T. McKee.		T. Menefee.
T. Queen.	3502		T. Ellenburger.		T. Point Lookout.
T. Grayburg.			T. Gr. Wash.		T. Mancos.
T. San Andres.	3995		T. Granite.		T. Dakota.
T. Glorieta.	5458		T. .		T. Morrison.
T. Drinkard.	6896		T. .		T. Penn.
T. Tubbs.	7663		T. .		T. .
T. Abo.			T. .		T. .
T. Penn.	Permo 9040		T. .		T. .
T. Miss.	Zone "X" 9578		T. .		T. .

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	673	673	Caliche, red bed, sand & rock.				
673	1760	1087	Red Bed & anhydrite.				
1760	2961	1201	Anhydrite, salt & shale.				
2961	3111	150	Lime, shale & anhydrite.				
3111	4087	976	Shale & anhydrite.				
4087	7683	3596	Lime.				
7683	8571	888	Lime & shale.				
8571	8970	399	Lime.				
8970	9067	97	Lime, shale & dolomite.				
9067	9316	249	Lime.				
9316	9355	39	Lime & chert.				
9355	9510	155	Lime.				
9510	9540	30	Cored.				
9540	9659	119	Lime.				
9659	9825	166	Cored.				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

August 19, 1955
Company or Operator Magnolia Petroleum Company
Name E. H. Bludell
Address Box 727, Kermit, Texas
Position or Title District Superintendent

HOBBS OFFICE OCC
1955 AUG 23

DRILL STEM TESTS

No.	Date	From	To	Open Hole	Tool Set @	Chokes		Water Cushion	Time Tested
						Top	Bottom		
1	6-26-55	9090	9140	Open Hole	9090	1	5/8	None	1 hour
Permo Penn, nothing to surface, no recovery, tool plugged no test.									
2	6-27-55	9086	9175	Open Hole	9086	1	5/8	None	1 hour
Permo Penn, 2 packers, nothing to surface, no recovery, tool plugged no test.									
3	6-27-55	9081	9175	Open Hole	9081	1	5/8	None	1½ hours
Permo Penn, nothing to surface, recovered 100' slightly gas cut drlg mud, no water or oil. SFP 0, BHFP 60, 15 min SI 115#, HH 4600-4545 out.									
4	7-4-55	9570	9617	Open Hole	9570	1	5/8	None	1 hour
Permo Penn, 2 packers, nothing to surface, rec 50' drlg mud no oil, gas or water. SFP 0, BHFP 85, 15 min SIP 85#, HH 4845 in & 4820 out.									
5	7-7-55	9660	9715	Open Hole	9660	1	5/8	None	3 hours
Penn, gas to surface in 7 mins, est 64 MCF/day, rec 270' heavily gas cut drlg mud plus 1000' of heavy gas & salt water out oil. Gravity 40 @ 60. SFP 0-7#, BHFP 150-440, SIP not taken, no build up. HH 4965-4905. SO 40% BS & W.									
6	7-9-55	9722	9765	Open Hole	9722	1	5/8	None	2 hrs & 10 min
Perm 2 packers, gas to surface in 15 mins, TSTM, Rec 600' of heavy oil & gas cut drlg mud / 1100' of free oil, no water. Gravity 38 @ 60. .2 of 1% BS on SO, no water. SFP 0, BHFP 435, HH 5030-4990. 15 min SIP 2535#.									
7	7-11-55	9775	9825	Open Hole	9775	1	5/8	None	2 hours
Penn, 2 packers, nothing to surface, Rec 270' slightly gas cut drlg mud / 1440' salt water, no oil. SFP 0, BHFP 835#, 15 min SI 3350#, HH 5030-4995#									

DEVIATION SURVEY

Depth	Degrees off Vertical	Depth	Degrees off Vertical	Depth	Degrees off Vertical
90	1/4	5502	3/4	8146	1
250	3/4	5617	1	8334	3/4
450	1 1/4	6023	3/4	8433	1/2
1250	1/4	6154	1/2	8511	3/4
1760	1	6810	3/4	8704	1
3390	3/4	7144	1	9102	3/4
3635	1	7537	3/4	9175	1
4270	1/4	7788	1/4	9464	3/4
5027	1	7951	3/4	9825	1/4

CORE RECORD

No.	From	To	Rec.	Description
1	9510	9540	25'	9510-9535.5, tan light brown lime w/red & gray shale streaks, no shows. 9535.5-9540, lost.
2	9659	9680	15½'	Lime, 9659-9663, 4' very fine crystalline tan limestone, no shows. 9663-9665, 2' very fine crystalline buff limestone w/10% vuggy & pin head porosity, good stain & odor. 9665-9674½, 9½' very fine crystalline tan brown limestone w/shale streaks, no show. 9674½-9680, no rec. lost.
3	9680	9715	35'	Lime w/shale streaks, 9680-9685½, 5½' fine crystalline tan limestone w/gray green streaks, no shows. 9685½-9686, ½' fine crystalline tan limestone, 5% vuggy & pin head porosity w/trace to light stain & fluorescence, 9686-9692, 6' fine crystalline tan limestone w/green shale streaks, no shows, 9692-9695, 3' fine to medium crystalline buff limestone, 10% vuggy & inner crystalline porosity, good stain & fluorescence, 9695-9709, 14' fine crystalline buff limestone w/green shale streaks, no shows, 9709-9711, 2' fine crystalline buff limestone 5% pin head, inner crystalline porosity, light stain & fluorescence, 9711-9714, 3' fine crystalline buff limestone, no shows, 9714-9715, 1' fine to medium crystalline buff limestone, 5% vuggy to inner crystalline

CORE RECORD (CONTINUED)

- HOBBS OFFICE 0660
- 4 9715 9765 48' porosity, light stain & fluorescence.
Limestone, 9715-9725, 10' fine crystalline tan limestone, gray shale partings, no shows, 9725-9728, 3' fine crystalline to medium crystalline tan limestone w/5% vuggy to inner crystalline fluorescence, good stain & odor, 9728-9742, 14' fine crystalline tan limestone w/green shale partings, no shows, 9742-9744½, 2½' fine crystalline to medium crystalline tan limestone, 10% vuggy & inner crystalline porosity, good stain & fluorescence, 9744½-9749, 4½' fine crystalline tan limestone w/scattered zones of vuggy & inner crystalline porosity, good stain & fluorescence, 9749-9763, 14' fine crystalline tan to brown limestone w/gray shale partings, no show, 9763-9765, 2' lost.
- 5 9765-9787 19' Lime & shale, core bbl jammed, 9765-9771, 6' limestone, very fine crystalline brown to dark brown, shaley, no shows, 9771-9778, 7' limestone, very fine crystalline brown w/black shale streaks, no shows, 9778-9781, 3' green shale, no shows, 9781-9784, 3' limestone, very fine crystalline tan w/inner bedded green shale, no shows, 9784-9787, 3' lost.
- 6 9787 9825 38' Lime, 9787-9797½, 10½' limestone, very fine crystalline tan, no shows, 9797½-9798½, 1' limestone, very fine crystalline, 3% vuggy & inner crystalline porosity, good stain & fluorescence, 9798½-9804, 5½' limestone, fine crystalline tan to brown w/green shale partings, no shows, 9804-9808, 4' limestone, fine crystalline tan to brown w/gray shale partings, no show, 9808-9809½, 1½' limestone, fine crystalline brown inner bedded gray shale, no shows, 9809½-9814, 4½' limestone, fine crystalline tan, gray shale streaks, no shows, 9814-9817, 3' limestone fine crystalline buff w/scattered pin point & pin head porosity, good stain & fluorescence, 9718-9825, 8' limestone, fine crystalline buff w/10% vuggy & inner crystalline porosity, good stain & fluorescence.

ACIDIZING OPERATIONS

- 7-18-55 Cardinal Chemical Co. acidized perf 9746-9754 w/500 gals 15% XLST, time 31 min, injection rate .4 BPM, TP: 2700-2500#, swab 42 BLO (all) 6 hrs, swab 19 BFO + 12 BAW 6 hrs, 700' FIH, good show gas behind swab, 3 BLH, .3 of 1% BS.
- 7-19-55 Cardinal Chemical Co. acidized perf 9746-9754 w/1000 gals 15% XLST, time 14 min, injection rate 1.9 BPM, TP: vac-1000#, swab 42 BLO (all) 4 hrs, swab 27 BFO + 21 BAW 14 hrs, 500' OIH, good show gas behind swab, 4 BOLH.
- 7-20-55 Cardinal Chemical Co. acidized perf 9694-9698 w/500 gals 15%, time 60 min, injection rate .2 BPM, TP: 3500-Vac-3650#, S/D press. after 5 min, 3000#, swab 40 BLO (all) 3 hrs, swab 14 BWO + 12 BAW 4 hrs, 1500' FIH, very slight show gas, 9 BOLH.
- 7-21-55 Cardinal Chemical Co. acidized perf 9694-9698 w/1000 gals 15%, time 10 min, injection rate 2.4 BPM, on vacuum, swab 40 BLO (all) 4 hrs, swab 14 BFO + 24 BAW + 12 BSW 14 hrs, good show gas, 2 3/4 BLH, s/o 22% SW.
- 7-23-55 Cardinal Chemical Co. acidized perf 9666-9669 w/500 gals 15% LT, time 24 min, injection rate .5 BPM, TP: 2700# thruout, SI 3 min, went on vacuum, swab 40 BLO (all) 4 hrs, swab 35 BFO + 12 BSW 21 hrs, good show gas behind swab, 800' FIH, s/o 65% SW, 2.75 BLH.