

NEW MEXICO
DUPLICATE

Santa Fe, New Mexico

WELL RECORD

RECEIVED

OCT 27 1953

OIL CONSERVATION COMMISSION

HOBBBS-OFFICE

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 640 ACRES
LOCATE WELL CORRECTLY

Magnolia Petroleum Company
(Company or Operator)

T. D. Pope
(Lease)

Well No. 24, in SE $\frac{1}{4}$ of SE $\frac{1}{4}$, of Sec. 26, T. 14 S R. 37 E NMPM

Denton

Pool.....Lea

..County.

Well is 660 feet from South line and 460 feet from East line

of Section 26..... If State Land the Oil and Gas Lease No. is.....

Drilling Commenced August 11, 1953 Drilling was Completed September 18, 1953

Name of Drilling Contractor..... **Helmerich & Payne**

Address First National Building, Tulsa, Oklahoma

Elevation above sea level at Top of Tubing Head..... **3810 G.L.**..... The information given is to be kept confidential until
..... 19.....

OIL SANDS OR ZONES

No. 1, from 9225 to 9252 No. 4, from _____ to _____

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

No. 3, from.....to..... 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	446				Surface String
7 5/8"	24-26.40#	New	4818				Salt String
5 1/2"	17#	New	4722			9225 - 9252	Prod. 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
13 3/4"	10 3/4"	446	450	B.J. Service, Inc.		
9 7/8"	7 5/8"	4818	2191	"		
6 3/4"	5 1/2"	9390	566	"		

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 TE

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 9390 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing October 2, 1953.

OIL WELL: The production during the first 24 hours was 289.4 barrels of liquid of which 99.6% was oil; % was emulsion; No % water; and 4% was sediment. A.P.I. Gravity 44.1° @ 60°

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	2154	T. Devonian	T. Ojo Alamo
T. Salt		T. Silurian	T. Kirtland-Fruitland
B. Salt		T. Montoya	T. Farmington
T. Yates	3140	T. Simpson	T. Pictured Cliffs
T. 7 Rivers		T. McKee	T. Menefee
T. Queen		T. Ellenburger	T. Point Lookout
T. Grayburg		T. Gr. Wash	T. Mancos
T. San Andres	4647	T. Granite	T. Dakota
T. Glorieta	6160	T.	T. Morrison
T. Drinkard		T.	T. Penn
T. Tubbs	7288	T.	T.
T. Abo	7988	T.	T.
T. Penn	9195	T.	T.
T. Miss		T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	21	21	Caliche	5983	6333	350	Lime & Sand
21	440	419	Red Bed, Sand & Caliche	6333	6908	575	Lime
440	2064	1624	Red Bed	6908	7400	492	Lime & Shale
2064	2415	351	Anhydrite, Red Bed & Salt	7400	8082	682	Lime
2415	3288	873	Salt & Anhydrite	8082	8984	902	Lime & Shale
3288	4040	752	Sandy Lime	8984	9028	44	Dolomite
4040	4671	631	Anhydrite & Lime	9028	9390	362	Lime
4671	5983	1312	Lime				

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.

October 26, 1953 (Date)

Company or Operator Magnolia Petroleum Company Address Box 727, Kermit, Texas
Name E. H. Blunk Position or Title District Superintendent

ACIDIZING

- 9-24-53 Cardinal Acidized Perf's. 9381 - 9388 w/500 Gals. Mud Acid. Time: 2 hrs. & 40 min. Inj. Rate: .08 BPM. TP: 2000 - 3000#. Swabbed 38 BLO (All) plus 12 BAW (All) 10 hrs.
- 9-25-53 Cardinal Acidized Perf's. 9381 - 9388 w/1000 Gals. 20% LST. Time: 28 min. Inj. Rate: .9 BPM. TP: 3500 - 4500#. Swabbed 38 BLO plus 12 BAW 3 hrs. Swabbed 32 BFO plus 12 BAW in 5 hrs.
- 9-26-53 Cardinal Acidized Perf's. 9381 - 9388 w/2000 Gals. 20% LST. Time: 25 min. Inj. Rate: 2 BPM. TP: 2000 - 3600#. Swabbed 38 BLO 2 hrs. 96 BFO plus 48 BAW 19 hrs. Show of gas.
- 9-28-53 Cardinal Acidized Perf's. 9225 - 9252 w/1000 Gals. Mud Acid. Time: 34 min. Inj. Rate: 3/4 BPM. TP: 3000 - 2800#. Swabbed 38 BLO plus 5 BAW 2 hrs. 11 BFO plus 19 BAW 2 hrs. Flowed 25 BFO 2 hrs. 3/4" choke. TP: 0 - 50#.
- 9-28-53 Cardinal Acidized Perf's. 9225 - 9252 w/2000 Gals. 20% LST. Time: 29 min. Inj. Rate: 1.9 BPM. TP: 2600 - 2000#. Swabbed 38 BLO plus 28 BAW 4 hrs. Flow 38 BFO plus 20 BAW 3 hrs. 3/4" choke. TP: 0 - 100#.
- 9-29-53 Cardinal Chemical Acidized Perf's. 9225 - 9252 w/5000 Gals. 20% LST. Time: 33 Min. Inj. Rate: 3.8 BPM. TP: 3000 - 3100#. Swabbed 38 BLO plus 25 BAW 3 hrs. Flowed 94 BFO plus 95 BAW (All) 9 hrs. 48/64" choke. TP: 0 - 100#. CP: Packer.

DRILL STEM TESTS

NO.	DATE	FROM	TO	OPEN HOLE	TOOL SET #	CHOKES		WATER CUSHION	TIME TESTED
						TOP	BOTTOM		
1	9-17-53	9197	9247	Open Hole	9197	1"	1/2"	None	3 Hours.
(Wolfcamp). Used 2 packers. Gas to surface in 8 min. Too small to measure. Rec. 7450' oil, 210' Gas & Oil cut drlg. mud. SFP: 0. BHFP: 325 - 1625#. Closed 15 min. SIP: 3040#. HH: 4435# in & out.									
2	9-19-53	9340	9390	Open Hole	9340	1"	1/2"	None	1 1/2 Hours.
(Lower Wolfcamp). Used 2 packers. Nothing to surface. Rec. 300' heavily gas & oil cut mud. SFP: 0#. BHFP: 0 - 225#. Closed 30 min. SIP: 3300#. HH: 4700 - 4500#.									

DEVIATION SURVEY

DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL
425	1	5260	1/2	8325	1-3/4
750	1/4	5930	1/4	8450	1
875	1	6390	1/2	8550	1-1/4
1150	1/4	6515	1/4	8660	1-1/2
1386	1/2	6625	3/4	8785	1
2485	3/4	6860	1/4	8870	1-1/2
2940	1	6975	1	8915	1-1/4
4045	1/2	7190	3/4	8975	2
4222	3/4	7280	1	9005	1-1/4
5350	1/2	7500	1-3/4	9095	1-3/4
4425	1	7560	1	9225	1-1/4
4525	3/4	7745	1-3/4	9315	1-1/2
4660	1/4	7840	2		
5155	1/2	7990	1-1/4		

[illegible]

NO.	DATE FROM	TO	OPEN HOLE	TOOL BIT	CHOKER	WATER	TIME
1	9-17-53	9197	Open Hole	9197	1 1/2"	None	3 hours.
(lower pump). Used 2 packers. Gas to surface in 8 min. Too small to measure. No. 2500. Hgt. 11352							
250' Gas & Oil cut drif. was. SPT: 0. HWT: 335 - 18254. Closed 12 min. SPT: 30004. Hgt. 11352							
in 4 cut.							
2	9-18-53	9200	Open Hole	9200	1"	None	1 1/2 hours.
(lower work pump). Used 2 packers. Nothing to surface. No. 3001 nearly gas & oil cut was.							
SPT: 04. HWT: 0 - 2245. Closed 30 min. SPT: 23004. Hgt. 12007.							

DEPTH	DEGREE OFF VERTICAL	DEPTH	DEGREE OFF VERTICAL	DEPTH	DEGREE OFF VERTICAL	DEPTH	DEGREE OFF VERTICAL
452		5500		8375		1-3/4	
450	1/4	5430		8250		I	
442	I	5300		8220		1-1/4	
440		5275		8200		1-1/2	
438	1/2	5250		8185		I	
435	3/4	5200		8150		1-1/4	
430	I	5175		8125		1-1/4	
425	1/2	5150		8100		S	
420	1/2	5125		8075		1-1/4	
415	3/4	5100		8050		1-1/4	
410	I	5075		8025		1-3/4	
405	1/2	5050		8000		1-1/4	
400	3/4	5025		7975		1-1/2	
395	I	5000					
390	1/2	4975					
385	3/4	4950					
380	I	4925					
375	1/2	4900					
370	3/4	4875					
365	I	4850					
360	1/2	4825					
355	3/4	4800					
350	I	4775					
345	1/2	4750					
340	3/4	4725					
335	I	4700					
330	1/2	4675					
325	3/4	4650					
320	I	4625					
315	1/2	4600					
310	3/4	4575					
305	I	4550					
300	1/2	4525					
295	3/4	4500					
290	I	4475					
285	1/2	4450					
280	3/4	4425					
275	I	4400					
270	1/2	4375					
265	3/4	4350					
260	I	4325					
255	1/2	4300					
250	3/4	4275					
245	I	4250					
240	1/2	4225					
235	3/4	4200					
230	I	4175					
225	1/2	4150					
220	3/4	4125					
215	I	4100					
210	1/2	4075					
205	3/4	4050					
200	I	4025					
195	1/2	4000					
190	3/4	3975					
185	I	3950					
180	1/2	3925					
175	3/4	3900					
170	I	3875					
165	1/2	3850					
160	3/4	3825					
155	I	3800					
150	1/2	3775					
145	3/4	3750					
140	I	3725					
135	1/2	3700					