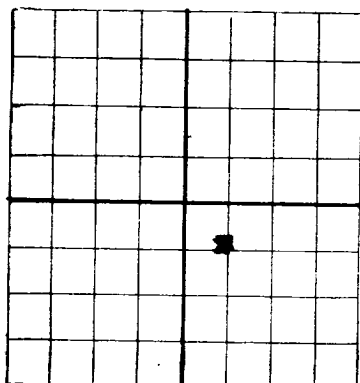


NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOODS OFFICE



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.

Magnolia Petroleum Company  
Company or Operator  
Box 900 - Dallas 1, Texas  
Address  
State "R" Well No. 4 in SE 1/4 of Sec. 2, T.17S  
Lease  
R. 36E N. M. P. M., N. Lovington Field, Lea County.  
Well is 660 feet south of the North line and 660 feet west of the East line of SE 1/4 Section  
If State land the oil and gas lease is No. D-3009 Assignment No. Original  
If patented land the owner is Address  
If Government land the permittee is Address  
The Lessee is Magnolia Petroleum Company Address Dallas 1, Texas  
Drilling commenced 9/15/43 19 Drilling was completed 1/30/44 19  
Name of drilling contractor Marshall, Sears, & Smith Address Artesia, New Mexico  
Elevation above sea level at top of casing 3834 feet. Surface - 3844' Derrick F.  
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 4940 to 4974 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 4760 to 4765 feet. 5 (Rotary - No test.)  
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	
14	57#		8rd L.W.	253					
8-5/8	32#	8V thd	EW SS#2	2053					
5 1/2	14#		8-40 New	4516					
2	4.7#		8rd EUE	4972					
4 1/2 Liner	16.60		8-40 New Internal Flush	459					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	14"	253	200	Halliburton	?	?
11"	8 5/8"	2053'	350	"		
7 7/8"	5 1/2"	4516'	250	"		

PLUGS AND ADAPTERS

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
C.P.		Acid	1000Gals	2/27/44	4866 - 4974	4974
2200#						
T.P. 1750#						

Results of shooting or chemical treatment Ran 2" tubing & packer to acidize w/1000 gals. 4866'-4974' CP 2200# - TP 1750#. Rec. acid and load. Swab. 1 bbl. an hr. 2% water. 2/28 Swabbed 12 hrs. Ran swab every 30 minutes. Rec. 4 3/4 bbls. fluid. Cut 10% B.S.&W.

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 4770 feet, and from feet to feet  
Cable tools were used from 4770 feet to 4974 feet, and from feet to feet

PRODUCTION

Put to producing 2/24/44 19  
The production of the first 24 hours was 6.52 barrels of fluid of which % was oil; 90 % emulsion; 10 % water; and % sediment. Gravity, Be  
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas  
Rock pressure, lbs. per sq. in.

EMPLOYEES

C. E. Brasiek Driller Pat Hines Driller  
Dick Ross Driller H. M. Graham 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 24

day of May 19 44

Lester Bullock  
Notary Public

My Commission expires 6/1/45

Dallas, Texas May 24, 1944

Name S. Smith

Position Clerk

Representing Magnolia Petroleum Company

Address Dallas 1, Texas

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	10	10	Substructure
10	150	140	Sand and gravel - Cem. 253' of 14" csg. @ 263' w/200 sacks
150	275	125	sand and red bed
275	351	76	red bed
351	1890	1539	red bed and shells
1890	1970	80	Anhydrite
1970	2010	40	" & shale
2010	2025	15	"
2025	2095	70	" & Salt - Cem. 2053' 8-5/8" csg. @ 2063' w/350Sx
2095	2105	10	"
2105	2255	150	Shale, salt and anhydrite
2255	3030	775	Anhydrite and salt - Air pocket 3308'-3312'
3030	3196	166	" " red bed
3196	3225	29	"
3225	3300	75	" " shale
3300	3410	110	"
3410	3846	436	" " Gyp
3846	4068	222	" Show Gd 3963'
4068	4143	75	Lime and Anhydrite
4143	4147	4	Anhydrite
4147	4259	112	Lime and Anhydrite
4259	4281	22	Lime
4281	4305	24	" and Anhydrite
4305	4600	295	" Cem. 4516' of 5 1/2" csg. @ 4526' w/250 sacks
4600	4681	81	" Top of San Andres @ 4680'
4681	4721	40	" Slight show oil
4721	4770	49	Lime - water sand 4760-65'
4770'			Total depth for contractor
LEA DISTRICT C/O TOOLS			
4641	4760	119	Cement
4760	4770	10	Cavens
4770	4922	152	Gray lime
4922	4932	10	brown lime
4932	4936	4	gray lime
4936	4974	38	" " Lovington Pay 4940-4974'
4974			Total depth

Ran 2" tubing w/packer @ 4813'. Water swabbed down in 6 hrs. Swabbed 3 bbls. oil in 10 hrs. Testing. Set bridge @ 4850'. 3' of Rock & 6' of pea gravel, dumped 4 1/2 sx cem. @ 4810'. 4 1/2" liner cem. @ 4822' on bridge w/35 sacks. Drilled Baker Back Pressure valve @ 4821' - Water bailed down to 4322'. Water shut off. Drill bridge @ 4836' - Slight show of oil - Water bailed out 600' oil in hole - water shut off. Ran 2" tubing & Packer to acidize w/1000 gals. from 4866-4974'. C.P.2200# T.P.1750#. Rec. acid & load. Swabbing 1 bbl. per hr. 2% water. 2/28 Swabbed 12 hrs. Ran swab every 30 minutes Rec. 4-3/4 bbls. fluid. Cut 10% B. S. & W.

I. P. Pumping test - pumped 6.52 bbls. in 24 hrs.

## DEVIATION RECORD:

Straight @ 1000'  
 1/2 deg. off @ 1600'  
 1 deg. off @ 1975  
 1-3/4 deg. off @ 2750  
 1-1/2 deg. off @ 2850  
 1 deg. off @ 2940  
 1 deg. off @ 3050  
 3/4 deg. off @ 3175  
 1/2 deg. off @ 3300  
 Straight @ 4050'  
 " @ 4520'