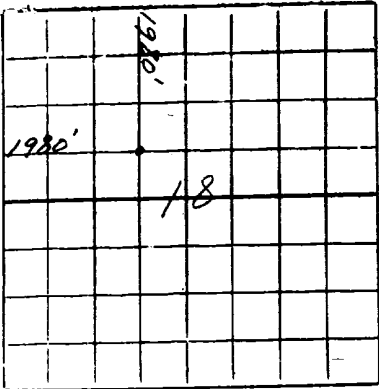




NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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 QUINTUPPLICATE. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY
Magnolia Petroleum Company

D. Hafflefinger

(Company or Operator) (Lease)
Well No. 1, in SE 1/4 of NW 1/4, of Sec. 18, T. 8 S, R. 35 E, NMPM.
Undesignated Pool, Roosevelt County.
Well is 1980 feet from North line and 1980 feet from West line.
of Section 18. If State Land the Oil and Gas Lease No. is _____
Drilling Commenced February 3, 1957 Drilling was Completed March 31, 1957
Name of Drilling Contractor Magnolia Petroleum Company Rig #20
Address Box 633, Midland, Texas
Elevation above sea level at Top of Tubing Head 4243'. The information given is to be kept confidential until _____, 19____.

OIL SANDS OR ZONES

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

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	450'				Surface String
7 5/8"	24.26.4#	New	4770'				Intermediate String
5 1/2" Liner	15.50#	New	4733'			9268-9278	Oil String (Liner)

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/4"	10 3/4"	450'	425	Pump & Plug		
9 5/8"	7 5/8"	4770'	2500	Pump & Plug		
6 3/4"	5 1/2" (Liner)	9288'	300 Top 185 Bottom	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

(See Attachment)

Result of Production Stimulation _____

Depth Cleaned Out _____

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 9288 feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

PRODUCTION

Put to Producing April 8, 1957

OIL WELL: The production during the first 24 hours was 259.20 barrels of liquid of which 100 % was oil; - % was emulsion; - % water; and - % was sediment. A.P.I. Gravity 49 @ 60° F

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.	2130'	T. Devonian		T. Ojo Alamo	
T. Salt	2209'	T. Silurian		T. Kirtland-Fruitland	
B. Salt	2560'	T. Montoya		T. Farmington	
T. Yates	2640'	T. Simpson		T. Pictured Cliffs	
T. 7 Rivers		T. McKee		T. Menefee	
T. Queen	3340'	T. Ellenburger		T. Point Lookout	
T. Grayburg		T. Gr. Wash		T. Mancos	
T. San Andres	3834'	T. Granite		T. Dakota	
T. Glorieta	5238'	T.		T. Morrison	
T. Drinkard		T.		T. Penn	
T. Tubbs	6670'	T.		T.	
T. Abo	7513'	T.		T.	
T. Penn	8568'	T.		T.	
T. Miss		T.		T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	90	90	Caliche	7973	7992	19	Shale & Gypsum
90	200	110	Blue Shale	7992	8034	42	Shale
200	450	250	Red bed & shells	8034	8054	20	Shale & Lime
450	1430	980	Red bed	8054	8084	30	Shale & Gypsum
1430	1774	344	Red bed & shells	8084	8119	35	Shale
1774	3553	1779	Red bed & anhydrite	8119	8145	26	Shale & Lime
3553	4097	544	Anhydrite	8145	8224	79	Lime
4097	4303	206	Anhydrite & Lime	8224	8244	20	Lime & Shale
4303	4410	107	Anhydrite	8244	8268	24	Lime
4410	4474	64	Anhydrite & Lime	8268	8295	27	Lime & Shale
4474	4539	65	Anhydrite	8295	8457	162	Lime
4539	4585	46	Dolomite	8457	8472	15	Lime & Shale
4585	4600	15	Dolomite & Lime	8472	8503	31	Lime
4600	4770	170	Lime	8503	8515	12	Lime & Shale
4770	4854	84	Lime & Sand	8515	8562	47	Lime
4854	5513	659	Lime	8562	8574	12	Lime & Chert
5513	5606	93	Lime & Sand	8574	8692	118	Lime
5606	6342	736	Lime	8692	8708	16	Lime & Chert
6342	6403	61	Anhydrite & Lime	8708	8750	42	Lime
6403	6788	385	Lime	8750	8767	17	Lime & Chert
6788	6862	74	Lime & Salt	8767	8792	25	Lime
6862	7484	622	Lime	8792	8842	50	Lime & Chert
7484	7533	49	Shale & Lime	8842	8934	92	Lime
7533	7973	440	Shale	8934	8949	15	Lime & Chert

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.

April 12, 1957

Company or Operator Magnolia Petroleum Company

Address Box 2406, Hobbs, New Mexico (Date)

Name J. H. Dougherty

Position or Title District Superintendent

FORMATION RECORD

<u>FROM</u>	<u>TO</u>	<u>THICKNESS</u>	<u>FORMATION</u>
8949	9233	284	Lime
9233	9238	5	Lime & Shale
9238	9264	26	Lime
9264	9279	15	Lime & Shale
9279	9288	9	Lime

TOTCO DEVIATION SURVEYS

<u>Depth</u>	<u>Degree off Vertical</u>	<u>Depth</u>	<u>Degree off Vertical</u>
1170	3/4	7178	1
2137	3/4	7608	1/2
3020	3/4	7824	1/2
3845	3/4	7977	1
4097	1/4	8054	1
4257	1/2	8145	1
4410	1/4	8293	1
4978	1/4	8420	1
5558	1/4	8515	1
6342	1/2	8692	1
6378	1	8886	3/4
7014	1	9110	1/2

CORE RECORD

<u>No.</u>	<u>Top</u>	<u>Bottom</u>	<u>Req.</u>	<u>Description:</u>
1	9135	9188	49-1/2	Limestone & shale - no shows.
2	9188	9233	43-1/2	Lime & shale. 9188-9195½. 7½' Lime & shale - N.S. 9195½-9205½ - 10' Lime VFX white to tan trace to 5% vuggy porosity. Lt. stain fluorescence & fair cut. 9205½-9231½ - 26' Lime & shale - N.S. 9231½-9233 - 1½' lost.
3	9233	9266-1/2	48-1/2	Lime & shale. 9233-9266½ - 33½' Lime & shale - N.S. 9266½-9268½ - 2' Limestone. Trace to 5% pinhead & inner crystalline porosity - good stain fluorescence & cut. 9268½-9272½ - 4' Lime - N.S. 9272½-9281½ - 9' Lime. Trace to 5% pinhead - pin point & small vuggy porosity - slight frac. Good stain fluorescence & cut. 9281½-9283 - 1½' lost.

DRILL STEM TESTS:

<u>No.</u>	<u>Date</u>	<u>From</u>	<u>To</u>	<u>No., Kind & Size of Perforations (or Open Hole)</u>	<u>Tool Set @</u>	<u>Top</u>	<u>Chokes Bottom</u>	<u>Water Cushion</u>	<u>Time Tested</u>
1	2-17-57	4530	4600	Open Hole	4530'	5/8"	1"	None	3 hrs.
	(San Andres) Gas to surface in 2 hrs. & 7 minutes. 3.7 MCF/day. Recovered 510' of heavy oil & gas cut drilling mud. SFP 2#, BHFP 165-290#, 30 minutes. SIP 735# HH 2590' in & out.								
2	3-31-57	9181	9233	Open Hole	9181'	5/8"	1"	None	3 hrs.
	(Bough "P") Nothing to surface. Recovered 100' of slight gas cut drilling mud. SFP 0#, BHFP 275-135#, 30 minutes SIP 685#, HH 5200# in & out.								
3	3-31-57	9248	9283	Open hole	9248	5/8"	1"	None	3 hrs.
	(Bough "C") Nothing to surface. Recovered 150' slight oil & heavy gas cut drilling mud. SFP 0#, BHFP 35-35# 30 minutes, SIP 305#, HH 5285-5150#.								

ACIDIZING

- 4-7-57 The Western Company acidized perforations 9268-9278 w/1000 gals. 15% - TP 3700#. .7 BPM. Swabbed 36 BLO in 3 hrs. Flowed 57 BNO + 18 BAW in 8 hrs. 20/64" choke.
- 4-8-57 The Western Company reacidized perforations 9268-9278 w/2500 gals 15%. TP 4550-4100-4525# 5 minutes. S/D 2400#. 1.3 BPM. Swabbed 36 BLO in 2 hrs. Flowed 146 BNO + 53 BAW in 14 hrs. 20/64" choke.

LANDS IN THE STATE OF TEXAS

Section	Tract	Area	Value	Remarks
1	1	1.00	1.00	
2	2	1.00	1.00	
3	3	1.00	1.00	
4	4	1.00	1.00	
5	5	1.00	1.00	
6	6	1.00	1.00	
7	7	1.00	1.00	
8	8	1.00	1.00	
9	9	1.00	1.00	
10	10	1.00	1.00	
11	11	1.00	1.00	
12	12	1.00	1.00	
13	13	1.00	1.00	
14	14	1.00	1.00	
15	15	1.00	1.00	
16	16	1.00	1.00	
17	17	1.00	1.00	
18	18	1.00	1.00	
19	19	1.00	1.00	
20	20	1.00	1.00	

LANDS IN THE STATE OF TEXAS

Section	Tract	Area	Value	Remarks
1	1	1.00	1.00	
2	2	1.00	1.00	
3	3	1.00	1.00	
4	4	1.00	1.00	
5	5	1.00	1.00	
6	6	1.00	1.00	
7	7	1.00	1.00	
8	8	1.00	1.00	
9	9	1.00	1.00	
10	10	1.00	1.00	
11	11	1.00	1.00	
12	12	1.00	1.00	
13	13	1.00	1.00	
14	14	1.00	1.00	
15	15	1.00	1.00	
16	16	1.00	1.00	
17	17	1.00	1.00	
18	18	1.00	1.00	
19	19	1.00	1.00	
20	20	1.00	1.00	

LANDS IN THE STATE OF TEXAS

Section	Tract	Area	Value	Remarks
1	1	1.00	1.00	
2	2	1.00	1.00	
3	3	1.00	1.00	
4	4	1.00	1.00	
5	5	1.00	1.00	
6	6	1.00	1.00	
7	7	1.00	1.00	
8	8	1.00	1.00	
9	9	1.00	1.00	
10	10	1.00	1.00	
11	11	1.00	1.00	
12	12	1.00	1.00	
13	13	1.00	1.00	
14	14	1.00	1.00	
15	15	1.00	1.00	
16	16	1.00	1.00	
17	17	1.00	1.00	
18	18	1.00	1.00	
19	19	1.00	1.00	
20	20	1.00	1.00	

LANDS IN THE STATE OF TEXAS

Section	Tract	Area	Value	Remarks
1	1	1.00	1.00	
2	2	1.00	1.00	
3	3	1.00	1.00	
4	4	1.00	1.00	
5	5	1.00	1.00	
6	6	1.00	1.00	
7	7	1.00	1.00	
8	8	1.00	1.00	
9	9	1.00	1.00	
10	10	1.00	1.00	
11	11	1.00	1.00	
12	12	1.00	1.00	
13	13	1.00	1.00	
14	14	1.00	1.00	
15	15	1.00	1.00	
16	16	1.00	1.00	
17	17	1.00	1.00	
18	18	1.00	1.00	
19	19	1.00	1.00	
20	20	1.00	1.00	