

NEW MEXICO CONSERVATION COMMISSION

State of New Mexico

WELL RECORD

660' 0"
6'
0'

AREA 640 ACRES
LOCATE WELL CORRECTLY

Mail to District Office, New 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. If State Land submit 6 Copies

Magnolia Petroleum Company
(Company or Operator)

New Mex "0"
(Lease)

Well No. 1, in SW 1/4 of SW 13, T17S, R. 35E, NMPM.

Vacuum, Lea County.

Well is 660' feet from South line of Section 13. If State Land the Oil and Gas Lease No. B-1518

Drilling Commenced October 16, 1956. Drilling was Completed November 4, 1956

Name of Drilling Contractor Denver Drilling Corporation

Address Box 669, Odessa, Texas

Elevation above sea level at Top of Tubing Head 4004'. Information given is to be kept confidential until 19

OIL SANDS OR LINES

No. 1, from to No. 1 from to
No. 2, from to No. 2 from to
No. 3, from to No. 3 from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to
No. 2, from to
No. 3, from to
No. 4, from to

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	LENGTH OF Casing From	EXPOSURE	PURPOSE
8 5/8	24#	New	1761'			Cem. w/900 sks.
5 1/2	14#	New	1679'			Cem. w/840 sks.

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	DEPTH SET	NO. 50 SK. OF CEMENT	TYPE OF MUD	AMOUNT OF MUD USED
12 1/4	8 5/8	1761'	900	Pump & Plug	
7 7/8	5 1/2	1679'	840	Pump & Plug	

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Gas, Oil, Water, and other gas shot.)

(See Attachment)

Result of Production Stimulation

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 4785 feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

PRODUCTION

Put to Producing November 8, 1956
OIL WELL: The production during the first 24 hours was 19 barrels of liquid of which 100% was oil; -% was emulsion; -% water; and -% was sediment. A.P.I. Gravity 34.6
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.	1736	T. Devonian.	T. Ojo Alamo.
T. Salt.	1846	T. Silurian.	T. Kirtland-Fruitland.
B. Salt.	2865	T. Montoya.	T. Farmington.
T. Yates.	3052	T. Simpson.	T. Pictured Cliffs.
Brown Lime	3256	T. McKee.	T. Menefee.
T. Rivers.		T. Ellenburger.	T. Point Lookout.
T. Queen.	3984	T. Gr. Wash.	T. Mancos.
Solid Dolomite	4410	T. Granite.	T. Dakota.
T. Grayburg.	4661	T.	T. Morrison.
T. San Andres.	4680	T.	T. Penn.
T. Pay.		T.	T.
T. Drinkard.		T.	T.
T. Tubbs.		T.	T.
T. Abo.		T.	T.
T. Penn.		T.	T.
T. Miss.		T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	35	35	Caliche	4781	4785	4	Core # 7
35	102	67	Surface Shale & Lime				
102	369	267	Sand & Red Bed				
369	764	395	Red Bed, Sand, & Shells				
764	975	211	Red Bed & Sand				
975	1615	640	Red Bed & Shells				
1615	1665	50	Anhydrite & Lime				
1665	1698	33	Lime				
1698	1735	37	Red Bed & Lime				
1735	1740	5	Shale				
1740	1763	23	Anhydrite				
1763	1834	71	Anhydrite & Salt				
1834	2206	372	Salt & Lime				
2206	2515	309	Salt, Lime, & Sand				
2515	3015	500	Salt & Lime				
3015	3906	891	Lime & Gyp				
3906	4560	654	Sand & Lime				
4560	4610	50	Sand, Lime & Dolomite				
4610	4680	70	Sand & Dolomite				
4680	4698	18	Core # 1				
4698	4717	19	Core # 2				
4717	4732	15	Core # 3				
4732	4750	18	Core # 4				
4750	4775	25	Core # 5				
4775	4781	6	Core # 6				

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.

11-13-56
(Date)

Attachment to C-105 - New Mex "O" # 1

Eastman Deviation Survey

<u>Depth</u>	<u>Degrees Off Vertical</u>
480	1/4
1020	1/2
1440	1/4
4575	3/4

Core Record

<u>No.</u>	<u>From</u>	<u>To</u>	<u>Sec.</u>	<u>Description</u>
1	4680	4698	13'	Dolomite & anhydrite. 4680-4684 Tan dolomite with pin point porosity, poor show. 4684-4691 Tan dolomite, 10% porosity, good show. 4691-4697 Dolomite & anhydrite, no show. 4697-4698 Tan dolomite, pin point porosity, fair show.
2	4698	4717	19'	Anhydrite & dolomite, with slight show of oil thruout.
3	4717	4732	15'	Dolomite. 4717-4728 Dolomite & shale, no show. 4728-4729 Tan dolomite, with trace to 5% pin point porosity, fair show. 4729-4732 Dolomite fractured stylitic, no show.
4	4732	4750	18'	4732-4745 Dolomite & shale, no shows. 4745-4747 Dolomite light gray 5% pin point porosity, fair show. 4747-4750 Lost.
5	4750	4775	24'	Dolomite 4750-4754 Dolomite finely crystalline tan to cream, trace to 5% pin point porosity, fair show. 4754-4764 Dolomite & shale, no show. 4764-4768 Dolomite finely crystalline gray granular with shaley partings, 5% inner crystalline, fair show. 4768-4775 Dolomite, shale, anhydrite, no show.
6	4775	4781	5'	Dolomite & shale, no show.
7	4781	4785	4'	Dolomite & Shale, & anhydrite inclusions, slight trace pin point porosity, poor show.

Drill Stem Test - None

Acidizing or Other Completion Operation

- 11-7-56 Cardinal acid. Open Hole 4679-4785, w/3000 gals. 15% ALB2 treated acid. IF 3400-3100#, 1.2 BPM, 58 mins., 10 min. SIP 2000#. Swbd. 20 BLC (all) in 2 hrs. Swbd. 6 BNO + 29 BAK in 17 hrs. GS of gas.
- 11-8-56 Cardinal Re- cid. Open hole 4679-4785, w/3000 gals. 15% ALB2 treated acid. IF 2700-2900, 2 BPM, 5 min. SIP 2200#. Swbd. 20 BLC (all) + 21 BAK in 4 hrs. GS of gas. Swbd. 49 BNO + 67 BAK, in 28 hrs. Good show of gas.