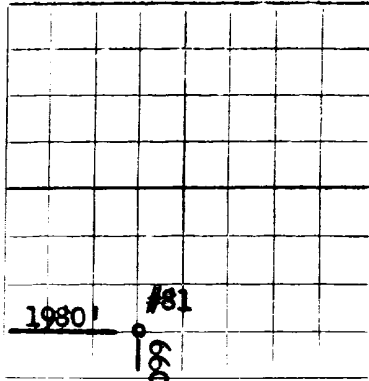


N.

(Revised 7/1/53)
(Form C-105)



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 QUINTUPLICATE.

Magnolia Petroleum Company

(Company or Operator)

State Bridges

(Lease)

Well No. 81, in SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 11, T. 17S, R. 34E, NMPM.

Vacuum

Pool,

Lea

County.

Well is 1980 feet from West line and 660 feet from South line

of Section 11. If State Land the Oil and Gas Lease No. is B-1520

Drilling Commenced Nov. 13, 19 55. Drilling was Completed December 6, 19 55.

Name of Drilling Contractor Denver Drilling Corp.

Address 1412 Magnolia Building, Dallas, Texas

Elevation above sea level at Top of Tubing Head 4045. The information given is to be kept confidential until _____, 19 _____.

OIL SANDS OR ZONES

No. 1, from 4690 to 4735. 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
8 5/8"	24#	new	1651				Surface
5 1/2"	14#	new	4690				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
12 1/4"	8 5/8"	1651	900	Pump & Plug		
7 7/8"	5 1/2"	4690	1800	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 _____

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 4735 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing December 14, 1955
OIL WELL: The production during the first 24 hours was 50 barrels of liquid of which 100% was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity 34.8
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.	1648	T. Devonian	T. Ojo Alamo
T. Salt.	1758	T. Silurian	T. Kirtland-Fruitland
B. Salt.	2734	T. Montoya	T. Farmington
T. Yates	2915	T. Simpson	T. Pictured Cliffs
T. 7 Rivers		T. McKee	T. Menefee
T. Queen	3872	T. Ellenburger	T. Point Lookout
T. Solid Dolomite	4365	T. Gr. Wash	T. Mancos
T. San Andres	4650	T. Granite	T. Dakota
T. Glorieta		T.	T. Morrison
T. Drinkard		T.	T. Penn
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	404	404	Red Bed				
404	680	276	Red Bed, Str. anhydrite				
680	1046	366	Red Bed & Anhydrite				
1046	1211	165	Red Bed, Str Anhydrite				
1211	1327	116	Anhydrite				
1327	1560	233	Red Bed, Str Anhydrite				
1560	1711	151	Anhydrite				
1711	2352	641	Anhydrite, salt & lime				
2352	2555	203	Anhydrite, str. lime				
2555	3038	483	Salt & Str. Anhydrite				
3038	3176	138	Anhydrite				
3176	3751	575	Gyp & Anhydrite				
3751	3811	60	Anhydrite				
3811	3887	76	Anhydrite & lime				
3887	4071	184	Anhydrite & gyp				
4071	4350	279	Anhydrite				
4350	4465	115	Anhydrite & str. lime				
4465	4490	25	Anhydrite & dolomite				
4490	4710	220	Anhydrite & lime				
4710	4735	25	Core #1				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED See Attachment

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.

16 December 1955

(Date)

Company or Operator Magnolia Petroleum Company
Name E. H. Bess

Address Box 727, Kermit, Texas
Position or Title District Superintendent

STAFF BRIDGES #81

DEVIATION SURVEY

<u>DEPTH</u>	<u>DEGREE OFF VERTICAL</u>	<u>DEPTH</u>	<u>DEGREE OFF VERTICAL</u>
260	1/4	3525	3-1/4
510	3/4	3740	3
765	1/2	4000	2-3/4
1060	1	4200	2-1/4
2000	1-1/4	4305	1-3/4
2525	1	4415	1-1/4
3050	2-1/4	4660	1/2
3250	3		

CORE RECORD

Core #1 - 4710-4735, Recovered 25' Dolomite. 4710-4717 7' dolomite finely crystalline cream trace to 5% frac porosity w/scattered vuggy and inner CX porosity. 4717-4735 18' dolomite, finely crystalline cream to brown w/scattered frac porosity.

DRILL STEM TESTS

None.

ACIDIZING OR OTHER COMPLETION OPERATIONS

- 12-8-55 Western Co. Treated open hole 4690-4735 with 35 bbls W2 & LT12 chemical mixed with lease crude oil. Pressure 3200#, 1/2 BPM, 36 mins. Pumped in at 3200#, pressure broke to 3000#. 5 min SIP 2900#, SI 4 hrs. Swabbed 54 BLO + 6 BNO in 23 hrs.
- 12-9-55 Halliburton sand frac open hole 4690-4735 w/5000 gals oil & 3750# sand. Pumped 12 bbls lease crude per min @ 4100#. When sand hit, pressure to 4300# and dropped injection rate to 8 BPM. Pressure 4100-4500#, 35 mins average injection rate, 6 BPM. SI 6 hrs. CP 15#. Flowed 20 BLO in 7 hrs, 2" open choke, no pressure. Ran 2" tubing and set Pkr @ 4510. Swabbed 190 BLO (all) + 8 BNO in 32 hrs. 4 BLH. Fair show gas.

