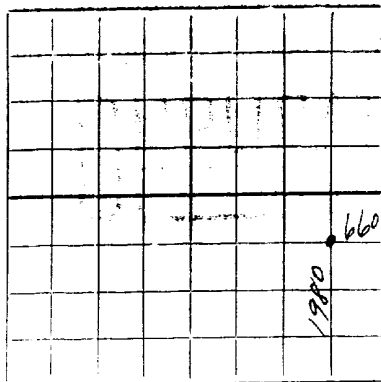


AREA 640 ACRES
LOCATE WELL CORRECTLY

Magnolia Petroleum Company

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.

State Bridges

(Company or Operator)

(Lease)

Well No. **82**, in **NE** $\frac{1}{4}$ of **SE** $\frac{1}{4}$ of Sec. **15**, T. **17S**, R. **34E**, NMPM.

Vacuum

Pool, **Lea**

County.

Well is **660** feet from **east** line and **1980** feet from **south** lineof Section. **15** If State Land the Oil and Gas Lease No. is **B-1520**Drilling Commenced **Nov. 26**, 19 **55** Drilling was Completed **Dec 22**, 19 **55**Name of Drilling Contractor **Howard P. Holmes**Address **Box 667, Hobbs, New Mexico**Elevation above sea level at Top of Tubing Head **4044** 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
8-5/8	24#	new	1666'				
5-1/2	14#	new	4648				

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	1666	900 sks	pump & plug		
7-7/8	5-1/2	4648	1765	" "		

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

JORD 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 4720 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Temp. Abd.
Put to Producing, 19
OIL WELL: The production during the first 24 hours was barrels of liquid of which % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity
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	1645		T. Devonian		T. Ojo Alamo
T. Salt	1758		T. Silurian		T. Kirtland-Fruitland
B. Salt	2747		T. Montoya		T. Farmington
T. Yates	2940		T. Simpson		T. Pictured Cliffs
T. Brown line	3160		T. McKee		T. Menefee
T. Queen	3905		T. Ellenburger		T. Point Lookout
T. Grayburg			T. Gr. Wash		T. Mancos
T. San Andres	4633		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	81	81	Galiche and red bed	4018	4521	503	Lime
81	270	189	Red bed	4521	4597	76	Lime and dolomite
270	363	93	Red bed and sand	4597	4635	38	Lime
363	935	572	Red bed	4635	4648	13	Lime and dolomite
935	1440	505	Red bed and shells	4648	4661	13	Core #1
1440	1656	216	Red bed, shells and anhydrite	4661	4663	2	Lime
1656	1666	10	Anhydrite	4663	4684	21	Core #2
1666	2112	446	Anhydrite and gyp	4684	4720	36	Core #3
2112	2465	353	Anhydrite and salt				
2465	2761	296	Salt, anhydrite & gyp				
2761	2887	126	Salt, and anhydrite				
2887	3011	124	Salt, anhydrite & gyp				
3011	3072	61	Anhydrite and salt streaks				
3072	3245	173	Anhydrite & gyp				
3245	3303	58	Anh drite				
3303	3343	40	Anhydrite & gyp				
3343	3430	87	Anhydrite, gyp & lime				
3430	3492	62	Anhydrite				
3492	3513	21	Anhydrite & gyp				
3513	3747	234	Anhydrite & lime				
3747	3860	113	Lime				
3860	3884	24	Anhydrite & dolomite				
3884	3940	56	Sand and lime				
3940	3998	58	lime				
3998	4018	20	Lime and dolomite				

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.

Jan. 27, 1956
Box 727, Kermit, Texas
Company or Operator Magnolia Petroleum Co.
Name E. H. Blundell
Address
Position or Title Dist. Supt.

STATE BRIDGES #82

DEVIATION SURVEY

<u>DEPTH</u>	<u>DEGREE OFF VERTICAL</u>	<u>DEPTH</u>	<u>DEGREE OFF VERTICAL</u>
290	1/4	3300	1-1/2
800	1/2	3420	1-3/4
1700	1/4	3475	2
1960	1/2	3675	2-1/4
2522	1	3830	2-1/2
2800	1-1/2	4000	2-1/4
2960	2-1/4	4140	2
3030	2	4400	1-3/4
3180	1-3/4	4490	2-1/2
3240	2	4550	1-1/2

Core Record

Core #1 - 4648 4661 Recovered 12' dolomite finely crystalline gray to buff w/ anhydrite inclusions and black shale partings, NS

2 4663 4684 Recovered 21' dolomite finely crystalline tan w/anhydrite inclusions and streaks, no show

3 4684 4720 Recovered 33-1/2' 4684-4685-1/2 dolomite to buff 5% inner cx porosity, 4685-1/2 - 4686-1/2 anhy, NS, 4686-1/2-4690 dolomite, finely crystalline buff w/anhydrite inclusions, 5% inner cx porosity and small vuggy porosity, 4690-4691 dolomite finely crystalline buff, 4691-4694 dolomite finely crystalline tan w/5% inner cx porosity, 4694-4698 dolomite finely crystalline tan with brown shale partings, 4698-4699 dolomite finely crystalline tan w/5% inner cx porosity, 4699-4701 dolomite finely crystalline buff no shows, 4701-4702 dolomite finely crystalline buff w/5% inner cx porosity, 4702-4717-1/2 dolomite finely crystalline cream to brown w/black shale partings, 4717-1/2 4720 lost

DRILL STEM TEST

None

ACIDIZING OR OTHER COMPLETION OPERATIONS

12-23-55 Pumped 35 bbls oil treated w/chemical in open hole, TP 3800-4000, open on vacuum, swabbed 20 BLO in 3 hrs.

12-24-55 Halliburton sand frac open hole 4648-4720 down 5-1/2" csg w/5000 gals + 2500# sand CP 4300-4500, 2 BPM, 5 min SIP 4200#.

12-27-55 Western Co acidized open hole 4648-4720 w/2000 gals, flushed w/1000 gals crude w/10 gals W2 formula added & 30 gals LT 12, TP 4400-3800, CP 1800#, 2 BPM, swabbed 23 BLO + 8 BAW in 10 hrs.

12-31-55 Western Co dolo frac open hole 4648-4720 w/10,000 gals down 5-1/2" csg, 26 mins CP 4300-4600#, 8.7 BPM, SI 5 mins, CP 4000# SI for 6 hrs. CP 3000#, flowed 39 BLO in 2 hrs. and died. Swabbed 64 BLO + 13 BAW in 44 hrs. slight show of gas. Swabbed 10-1/2 BLO & 1 BAW in 28 hrs. Pumped 74 BLO and no AW in 63 hrs. Pumped 12 BLO in 64 hrs.

1-14-56 Halliburton attempted to frac down 5-1/2 csg, could not break formation w/4500# 30 mins.

1-15-56 Halliburton acidized perf 4621-4636 w/500 gals 15% SLT non-emulsion acid. Spotted acid on form, pkr would not hold. Pressure 4300#, time 10 mins, inj. rate 1.2 BPM, 10 min SIP 3800#. Swabbed 17 BLO + 1 BAW in 5 hrs. Dry last 2 hrs. slight show of gas.

1-15-56 Halliburton reacidized perf 4621-4636 w/1000 gals 15% SLT TP 4546-4547#, no break, inj. rate 3-1/2 BPM, 21 mins. 6 min SIP 3100#. Swabbed 17 BLO + 2 BAW 7 hrs, dry last 2 hrs. Slight show of gas.

1-17-56 Halliburton sand oil frac perf 4621-4636 w/3000 gals oil + 2200# sand thru 2-1/2" tubing. ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ 17 mins. 5 BPM. TP 5500#-6700#, 5 min. SIP 4100#, CP 3000#, SI 6 hrs., TP 800#, flowed 77 BLO in 15 hrs. slight show of gas. Swabbed 41 BLO in 28 hrs.

1-21-56 Halliburton sand oil frac perf 4621-4636 w/6000 gals + 500 gals acid. Pumped 4100 gals of oil + 4200# sand in 16 mins., 4-8 BPM, average 5-1/2 BPM.

Acidizing or other completion operations (con't)

Pressure 5500-8400#. Sand oil blender broke down, motor out. Down 2 hrs. then pumped in 1900 gals + 2300# sand. Pressure 6000-7300#, 9 BPM 5 mins. Flushed w/55 BO SI 6 hrs., pressure 400#, then flowed 132 BLO in 10 hrs, 2" open choke, and died. Swabbed 75 BLO in 26 hrs. very slight show of gas.

Q. How did it start? How did you think it was possible?

[illegible]