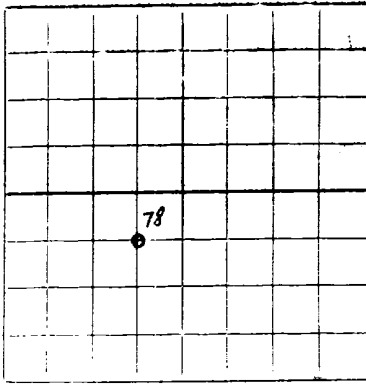


AREA 640 ACRES
LOCATE WELL CORRECTLY

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. **78**, in **NW** $\frac{1}{4}$ of **SW** $\frac{1}{4}$ of Sec. **11**, T. **17 S**, R. **34 E**, NMPM.

Vacuum

Pool, **Lea**

County.

Well is **1980'** feet from **West** line and **1980** feet from **South** line of Section **11**. If State Land the Oil and Gas Lease No. is **B-1520**Drilling Commenced **October 9**, 19 **55**. Drilling was Completed **October 31**, 19 **55**.Name of Drilling Contractor **Denver Drilling Company**Address **1412 Magnolia Building, Dallas, Texas**Elevation above sea level at Top of Tubing Head **4048**. The information given is to be kept confidential until _____, 19____.

OIL SANDS OR ZONES

No. 1, from **4675** to **4750**. 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	1670'				Surface string
5 1/2"	14#	New	4445'				Oil String
5 1/2"	14#	Used	230'				

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"	1670	850	Pump & Plug		
7 7/8"	5 1/2"	4675	1800	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Result of Production Stimulation _____

Depth Cleaned Out _____

1 **ORIG 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 4750 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to Producing November 1, 19 55
 OIL WELL: The production during the first 24 hours was 109 barrels of liquid of which 100 % was
 was oil; _____ % was emulsion; _____ % water; and _____ % was sediment. A.P.I.
 Gravity 38.1
 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.	<u>1648</u>	T. Devonian		T. Ojo Alamo			
T. Salt	<u>1755</u>	T. Silurian		T. Kirtland-Fruitland			
B. Salt	<u>2727</u>	T. Montosa		T. Farmington			
T. Yates	<u>2918</u>	T. Simpson		T. Pictured Cliffs			
T. 7 Rivers		T. McKee		T. Menefee			
T. Queen	<u>3875</u>	T. Ellenburger		T. Point Lookout			
T. Grayburg		T. Gr. Wash		T. Mancos			
T. San Andres	<u>4670</u>	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	125	125	Caliche	4248	4338	90	Anhydrite & lime
125	1157	1032	Red Bed	4338	4370	32	Anhydrite
1157	1233	76	Red Bed & anhydrite	4370	4448	78	Lime
1233	1298	65	Anhydrite	4448	4484	36	Anhydrite & lime
1298	1475	177	Red Bed & Gyp	4484	4535	51	Lime
1475	1544	69	Red Bed, Gyp & Shale	4535	4573	38	Anhydrite & lime
1544	1595	51	Anhydrite	4573	4695	122	Lime
1595	1650	55	Red bed & anhydrite	4695	4750	55	Cored
1650	1680	30	Anhydrite				
1680	1890	210	Anhydrite & salt				
1890	2575	685	Salt				
2575	3046	471	Anhydrite & salt				
3046	3134	88	Anhydrite & gyp				
3134	3185	51	Anhydrite				
3185	3577	392	Anhydrite & gyp				
3577	3677	100	Anhydrite				
3677	3727	50	Anhydrite & shale				
3727	3858	131	Anhydrite				
3858	3940	82	Anhydrite & sand				
3940	4047	107	Anhydrite				
4047	4073	26	Shale, lime & gyp				
4073	4129	56	Anhydrite & gyp				
4129	4168	39	Anhydrite				
4168	4208	40	Anhydrite & gyp				
4208	4248	40	Anhydrite				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED (See Attached Sheet)

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.

November 7, 1955

(Date)

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

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

STATE BRIDGES #78

DEVIATION SURVEY

<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>
900	1/2	4168	1/4
2000	1 1/4	4353	3/4
3007	1	4422	1/2
3375	1/4	4597	1/4
3750	1/4		

ACIDIZING OR OTHER COMPLETION OPERATION

None.

CORES

Core #1 4695 - 4750 Recovered 55' Dolomite, 4695-4702 7' dolomite finely crystalline gray dense, no shows, 4702-4707 1/2 5 1/2' finely crystalline tan dolomite w/20% porosity bleeding oil w/good show, 4707 1/2-4713 5 1/2' anhydrite, no shows, 4713-4750 37' fine to medium crystalline tan & gray dolomite w/5-20% small vuggy porosity bleeding oil and gas, fair show oil.

DRILL STEM TESTS

None

THEORY

1. INTRODUCTION

The purpose of this experiment is to determine the rate of reaction between hydrogen peroxide and potassium iodide.



The reaction is first order with respect to hydrogen peroxide.

Rate =

Rate =

The rate of reaction is determined by measuring the time taken for a fixed amount of iodine to be produced. The iodine is then reacted with a fixed amount of sodium thiosulfate, which reacts with the iodine to form a colorless compound. The time taken for the color to disappear is measured. The rate of reaction is then calculated from the time taken for the color to disappear.

Rate =

Rate =