

**Santa Fe, New Mexico**

RECEIVED

OCT 31 1960

## WELL RECORD

ANTENNA OFFICE

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.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**Signal Oil and Gas Company**  
(Company or Operator)

State 77  
(Lease)

Well No. 2-4 in SW  $\frac{1}{4}$  of SW  $\frac{1}{4}$  of Sec. 6, T. 18-S, R. 28-E, NMPM.

## Empire Abo

Pool. . . . . **Eddy**

County.

Well is 990 feet from West line and 949.3 feet from South line.

of Section 6 If State Land the Oil and Gas Lease No. is E-7179

Drilling Commenced October 4, 1960 Drilling was Completed October 21,, 1960

Name of Drilling Contractor..... **B. L. McFarland, Inc.** .....

Name of Drilling Contractor.....  
3612 West Wall Street, Midland, Texas

Address.....

Elevation above sea level at Top of Tubing Head.....3629..... The information given is to be kept confidential until

**Not confidential**

## OIL SANDS OR ZONES

No. 1, from 6171 **KB** to 6225 **KB** 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
9-5/8"	36	Used	100%	Reg	---	---	Surface
5-1/2"	17-20-23	Used	6225'	Reg.	---	---	Production

## 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"	9 5/8"	1004KB	350	Pump & Plug		
7 7/8"	5 1/2"	6229KB	550	Pump & Plug		

### RECORD OF PRODUCTION AND STIMULATION

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

Perforated 6174-6192

Acidised with 500 gallons Mud Acid

### Result of Production Stimulation.

Initial Potential - Flowing 78 BO in 12 Hours (156 BOPD) - 14/64" choke - 400# T.P.

1250 COR- No Water - ( October 26, 1960 ) ..... Depth Cleaned Out..... 6204

**B. 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 6225 KB feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

**PRODUCTION**

Put to Producing October 26, 1960  
OIL WELL: The production during the first 24 hours was 132 barrels of liquid of which 99.8 % was oil; 0 % was emulsion; 0.2 % water; and 0 % was sediment. A.P.I. Gravity 41.5°  
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.....		T. Devonian.....	T. Ojo Alamo.....
T. Salt.....		T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....		T. Montoya.....	T. Farmington.....
T. Yates.....		T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....		T. McKee.....	T. Menefee.....
T. Queen.....	1203 KB	T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....	1717	T. Gr. Wash.....	T. Mancos.....
T. San Andres.....	2067	T. Granite.....	T. Dakota.....
T. Glorieta.....	3633	T. ....	T. Morrison.....
T. Drinkard.....		T. ....	T. Penn.....
T. Tubbs.....		T. ....	T. ....
T. Abo.....	6171	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	1010	1010	Red Beds, Anhydrite and Shale.				
1010	2065	1055	Sand, Anhydrite and Dolomite				
2065	3630	1565	Dolomite				
3630	3800	170	Sand				
3800	4400	600	Dolomite				
4400	5350	950	Dolomite and Sand				
5350	6225	875	Dolomite				

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.

**October 27, 1960**

Company or Operator Signal Oil and Gas Company Address 509 West Texas Avenue, Midland, Texas  
Name E. T. Casler, Jr. Position or Title Division Engineer