



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. If State Land submit 6 Copies

The Atlantic Refining Company  
(Company or Operator)

State AK  
(Lease)

Well No. 4, in SW  $\frac{1}{4}$  of SE  $\frac{1}{4}$  of Sec. 3, T. 21-S, R. 35-E, NMPM.  
Bumont Pool, Lea County.

Well is 330 feet from North line and 330 feet from East line  
of Section 3. If State Land the Oil & Gas Lease No. is 86952

Drilling Commenced March 26, 1957 Drilling was Completed April 15, 1957

Name of Drilling Contractor La Mance Drilling Co.

Address Box 2686, Midland, Texas

Elevation above sea level at Top of Tubing Head 3595 DF  
Sept. 30, 1957 The information given is to be kept confidential until

### GAS SANDS OR ZONES

No. 1, from 3792 to 3812 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 3890 to 3922 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
<u>8-5/8</u>	<u>18#</u>	<u>New</u>	<u>321.15</u>	<u>Larkin</u>			<u>Surface</u>
<u>5 1/2</u>	<u>15.5#</u>	<u>New</u>	<u>3907.22</u>	<u>Baker</u>		<u>3792 - 3812</u>	<u>Oil String</u>
<u>2-3/8</u>	<u>4.70</u>	<u>New</u>	<u>3764.81</u>				<u>Tubing</u>

### MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>12 1/2</u>	<u>8-5/8</u>	<u>331.65</u>	<u>300</u>	<u>Pump</u>		
<u>7-7/8</u>	<u>5 1/2</u>	<u>3916.17</u>	<u>2200</u>	<u>Pump</u>		
<u>5 1/2</u>	<u>2-3/8</u>	<u>3771.91</u>				

### RECORD OF PRODUCTION AND STIMULATION

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

4-13-57 Acidized with 500 gallons MCA 7 1/2% acid  
4-14-57 Acidized with 500 gallons MCA 7 1/2% acid, & sand fraced with 10000 gallons  
lease crude & 10000# "20-40" Ottawa sand

Result of Production Stimulation 4-13-57 Unsatisfactory

4-14-57 Satisfactory resulted in potential test

Depth Cleaned Out \_\_\_\_\_

# WORD OF DRILL-STEM AND SPECIAL TEST

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 3922 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

## PRODUCTION

Put to Producing, 19

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity.

GAS WELL: Back pressure test - 822 based on tests 6/10-6/19/57  
The production during the first 24 hours was M.C.F. plus  
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 3605	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash.	T. Mancos
T. San Andres	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	1448	1448	Caliche & redbed				
1448	1822	374	Anhydrite & Gyp				
1822	3972	1550	Anhydrite, sandy lime & salt				
3372	3550	178	Anhydrite & Gyp				
3550	3922	372	Lime & Anhydrite				

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.

Company or Operator The Atlantic Refining Co.

Address Box 1038, Denver City, Tex.

Name Neal McCaskill

Position or Title Acting Dist. Supt.

7-15-57  
(Date)

### DRILL STEM TESTS

- DST #1 4-8-57 3732-3791 (59') 2 Halliburton 6-3/4 packers. Bottom packer set @ 3732'  $\pm$  5/8 bot. & 1" top choke. No WC. Tool open @ 6:29 A.M. Fair air blow decreased to weak blow after 20 mins. Weak blow throughout 1 1/2 hr test. Closed tool @ 8:00 A.M. for 30 mins. SI. No gas to surface. Pulled packers loose P.O.H. Recovered  $\pm$  10' drlg. mud N/S. HI 2060# HD 2035# IF 80# FF 80# BHSIP 110# Job complete @ 10:45 A.M.
- DST #2 4-9-57 WIH w/2 Halliburton 6-3/4 packers for DST #2. 3793-3863 (70') Yates. Had 6' fill up on btm. Tool opened & packers failed to hold. Filled annulus & P.O.H. Had 12 stds mud TCV above & 1' DC plugged. WIH w/7-7/8 bit. Circ & mixed mud 4 1/2 hrs. P.O.H for DST #2.
- DST #3 4-9-57 WIH w/test tool for test. HO DST #3. 3798-3863 (65') Yates. Bottom packer set @ 3798'. 5/8 bottom x 1" top choke. Tool open @ 7:39 P.M. w/fair blow for 10 mins. decreased to weak blow & died after 23 mins. Tool open 1 hr. No S.P. Closed tool @ 8:39 P.M. for 30 mins. SI. 0# S.P. No gas to surface PPL & Poh. Recovered 210' SI gas cut drlg. mud. HI 2170#, HO 2170#. IF 70#, FF 100#, BHSIP 250# JC 12:00 midnight.
- DST #4 4-10-57 OH DST #4 3890-3922 (32') Seven Rivers Bottom packer set @ 3890' 5/8 bottom x 1" top chokes. Tool open @ 9:35 P.M. Good blow. Gas to surface in 20 mins. Blow decreased to fair blow. Fair blow throughout 1 hr test. 0# Surface pres. closed tool @ 10:35 for 30 mins. SI PPL & POH. Recovered 510' fluid. 180' gas cut drlg. mud 330' salt water HI 3580# HO 3570#, IF 60#, FF 160# BHSIP 1110#. JC 2:30 A.M. 4-11-57.

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