

[illegible]

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

The Atlantic Refining Company
(Company or Operator)

Federal - Jones
 (Lease)

Well No. 2, in SE $\frac{1}{4}$ of SE $\frac{1}{4}$, of Sec. 34, T. 14-S, R. 37-E, NMMP.
Denton - Devonian Pool, Lea County.

Well is 330 feet from South line and 330 feet from East line.
of Section 34 Federal If ~~State~~ Land the Oil and Gas Lease No. is LC No. 065254

Drilling Commenced June 24, 1952 Drilling was Completed December 21, 1952

Name of Drilling Contractor Parker Drilling Company

Address National Bank of Tulsa Bldg., Tulsa, Oklahoma

Elevation above sea level at Top of Tubing Head..... **3822' DF** The information given is to be kept confidential until
March 22 19 **53**

OIL SANDS OR ZONES

No. 1, from **9325** to **9435** No. 4, from _____ to _____
 No. 2, from **12,435** to **12,600** 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
13-3/8"	40#	New	310	Larkin			
9-5/8"	36# & 40#	New	4741	HOWCO			
7"	23, 26 29 & 32#	New	12,525			Open Hole	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 $\frac{1}{2}$	12-8/8	324-	350	Pump		None
12 $\frac{1}{2}$	9-8/8	4754	3000	Pump		104 Sacks
8-5/4	7	12, 536	750	Pump	?	9 Sacks

RECORD OF PRODUCTION AND STIMULATION

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

None Used

Result of Production Stimulation

..Depth Cleaned Out.

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 12,600 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing December 21 1952
OIL WELL: The production during the first 24 hours was 1496 barrels of liquid of which 96 % was
was oil; % was emulsion; % water; and 4 % was sediment. A.P.I.
Gravity 45.2
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		
Midland 12,330					
12,475					
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			T. Ellenburger		T. Point Lookout
T. Grayburg			T. Gr. Wash		T. Mancos
T. San Andres	4680		T. Granite		T. Dakota
T. Glorieta	6153		T.		T. Morrison
T. Drinkard			T.		T. Penn.
T. Tubbs			T.		T.
T. Abo	8100		T.		T.
T. Penn.			T.		T.
T. Miss	11,090		T.		T.
T. Wolfe	9290				

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1205	1205	Redbed	11,625	11,646	21	Lime
1205	2245	1040	Redbed & Shale	11,646	11,858	212	Lime & Chert
2245	2422	177	Shale & Salt	11,858	11,959	101	Lime
2422	2860	438	Anhy & Salt	11,959	12,058	99	Lime & Shale
2860	3125	265	Anhy & Shells	12,058	12,336	278	Lime
3125	3270	145	Anhy & Salt	12,336	12,441	105	Lime & Shale
3270	3611	341	Anhydrite	12,441	12,491	50	Shale
3611	4050	439	Anhy & Shale	12,491	12,508	17	Lime & Shale
4050	4382	332	Anhy & Gyp	12,508	12,600	92	Lime
4382	4675	293	Anhydrite				
4675	6422	1747	Lime				
6422	6510	88	Lime & Anhy				
6510	9991	3481	Lime				
9991	10,040	49	Lime & Shale				
10,040	10,095	45	Lime				
10,095	10,370	285	Lime & Shale				
10,370	10,442	72	Lime				
10,442	10,613	171	Lime & Shale				
10,613	11,456	843	Lime				
11,456	11,891	435	Lime & Shale				
11,891	11,621	30	Lime				
11,621	11,625	4	Lime & Chert				

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.

December 22, 1952 (Date)
Company or Operator The Atlantic Refining Company Address P. O. Box 1038, Denver City, Texas
Name Norman A. Carr Position or Title District Superintendent

WT-NM	Federal-Jones #2	Denton - Devonian	Lea, New Mexico
Province	Lease—Tract—Well No.	Field—Pool—Producing Zone	County State

DRILL STEM TESTS				
Drill Stem Test No.	1		2	
Date	8-14-52		8-16-52	
Name of Test Tool	Johnston		Johnston	
Kind of Packer	8" Formation		8" Formation	
Depth of Hole	9425		9500	
Depth—Bottom of Packer	9325		9425	
Name—Formation Tested	Wolfcamp		Wolfcamp	
Interval Tested (If Open Hole, so State; or if Perforated casing, Give Top and Bottom of Perforations)	9325-9425		9425-9500	
Water Load	None		None	
Chokes (Bottom and Top)	5/8" - 1"		5/8" - 1"	
Total Length of Time Tool Open	1 hour		1 hour	
No. of Times & Elapsed Time Tool Opened Each Attempt	Once		Once	
Surface Reaction: Type and Elapsed Time				
(1) Air	Good blo thruout		Wk blo dec. & died in 5 min.	
(2) Gas	Surf in 5 min.		None	
(3) Water Load (Specify if Charged with Oil or Gas)	None		None	
(4) Drilling Mud (Specify if Cut with oil, Gas and/or Water)	None		None	
(5) Oil/Gas (Estimate or Guage Quantity; % B. S. & /or water)	None		None	
(6) Water (Specify kind and if cut with Oil and/or Gas or B. S.)	None		None	
Recovery Fluid in Feet from Drill Pipe				
(1) Water Load	None		None	
(2) Mud	90' O & G cut		15' Mud	
(3) Oil and Gas	6390' oil		None	
(4) Water—Kind? (i.e. Salt or Sulphur, Fresh, etc.)	None		None	
BHP Flowing	900-2050#		0	
BHP Shut In	3600#		0	
Rate Flow Oil and Gas	None		None	
Gas/Oil Ratio BS & W	None		None	

REMARKS: (Should Indicate Reaction after Tool Closed and While Coming out of Hole. Specify.)

DRILL STEM TESTS				
Drill Stem Test No.	3		4	
Date	11-19-52		12-18-52	
Name of Test Tool	Johnson		Abbs	
Kind of Packer	7-3/4" Formation		5-3/8" Formation	
Depth of Hole	12,197		12,582	
Depth—Bottom of Packer	12,088		12,435	
Name—Formation Tested	Mississippian		Devonian	
Interval Tested (If Open Hole, so State; or if Perforated casing, Give Top and Bottom of Perforations)	12,088-197		12,536-582	
Water Load	2500'		None	
Chokes (Bottom and Top)	5/8" - 1"		5/8" - 1"	
Total Length of Time Tool Open	1 hour		1 hour	
No. of Times & Elapsed Time Tool Opened Each Attempt	Once		Once	
Surface Reaction: Type and Elapsed Time				
(1) Air	*		Good blow	
(2) Gas	**		Surf in 44 min.	
(3) Water Load (Specify if Charged with Oil or Gas)	None		None	
(4) Drilling Mud (Specify if Cut with oil, Gas and/or Water)	None		None	
(5) Oil/Gas (Estimate or Guage Quantity; % B. S. & /or water)	None		None	
(6) Water (Specify kind and if cut with Oil and/or Gas or B. S.)	None		None	
Recovery Fluid in Feet from Drill Pipe				
(1) Water Load	2500' sl. O & G cut		None	
(2) Mud	200' Hvy O & G cut		124' Drlg Fluid	
(3) Oil and Gas	None		376' Oil	
(4) Water—Kind? (i.e. Salt or Sulphur, Fresh, etc.)	None		None	
BHP Flowing	1400#		Not taken	
BHP Shut In	4425#		Not taken	
Rate Flow Oil and Gas	None		None	
Gas/Oil Ratio BS & W	None		None	

REMARKS: (Should Indicate Reaction after Tool Closed and While Coming out of Hole. Specify.)

* Fair blow gradually increased to strong blow.
**Gas to surface in 1 hr and 15 min. while taking SI BHP.

Above Correct—Signature

Title District Superintendent
Date 12-22-52

IT IS RECOMMENDED THIS INFORMATION BE COMPILED ON DERRICK FLOOR AND ORIGINAL BE PERMANENTLY RETAINED IN WELL RECORD.

