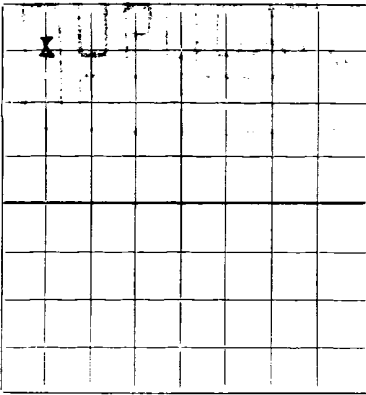


AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

Tide Water Associated Oil Company State **"V"**
(Company or Operator) (Lease)

Well No. **1-D**, in **NW** $\frac{1}{4}$ of **NW** $\frac{1}{4}$, of Sec. **5**, T. **17-S**, R. **37-E**, NMPM.
East Lovington (Penn) Pool, **Lea** County.

Well is **660'** feet from **West** line and **660'** feet from **North** line
of Section **5**. If State Land the Oil and Gas Lease No. is **—**

Drilling Commenced **March 13**, 19 **52** Drilling was Completed **June 20**, 19 **52**

Name of Drilling Contractor **Parker Drilling Company**

Address **National Bank of Tulsa Building** **Tulsa, Oklahoma**

Elevation above sea level at Top of Tubing Head **3803'** The information given is to be kept confidential until
Not confidential, 19 **—**

OIL SANDS OR ZONES

No. 1, from **10,898'** to **11,000'** 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 **None logged** 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"	36	New	320'	Tex. Pat.	—	—	Protect water sands
8-5/8"	32	New	4984'	Larkin	—	—	Case salt section
5-1/2"	17	New	6302'	Larkin	—	—	Case 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
17-1/2"	13-3/8"	335'	350	pump & plug	—	Natural
11"	8-5/8"	4984'	3000	pump & plug	11#/gal.	—
7-7/8"	5-1/2"	11,063'	732	displacement	9#/gal.	—

RECORD OF PRODUCTION AND STIMULATION

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

Not shot or acidized

Result of Production Stimulation **—**

Depth Cleaned Out **—**

R 3D 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 11,065 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing June 20, 1952

OIL WELL: The production during the first 24 hours was 392.08 barrels of liquid of which 100% was
was oil: 0.0% was emulsion; 0.0% water; and 0.0% was sediment. A.P.I.
Gravity 43.9

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.	1992'	T. Devonian	T. Ojo Alamo
T. Salt		T. Silurian	T. Kirtland-Fruitland
B. Salt		T. Montoya	T. Farmington
T. Yates	3083'	T. Simpson	T. Pictured Cliffs
Rock Sr. Lime	3249'	T. McKee	T. Menefee
T. Queen		T. Ellenburger	T. Point Lookout
T. Grayburg		T. Gr. Wash.	T. Mancos
T. San Andres	4687'	T. Granite	T. Dakota
T. Glorieta	6070'	T.	T. Morrison
T. Drinkard		T.	T. Penn.
T. Tubbs	7708'	T.	T.
T. Abo	8388'	T.	T.
T. Penn.	10,477'	T.	T.
Rock Top Strawn	10,896'	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	282	282	Caliche, surface rock				
282	1671	1389	Red bed				
1671	2176	495	Red bed, anhydrite				
2176	3317	1141	Anhydrite, salt				
3317	3877	560	Anhydrite, gyp				
3877	4724	847	Anhydrite & lime				
4724	5065	341	Lime				
5065	6596	1531	Sand & lime				
6596	8296	1700	Lime				
8296	8378	82	Lime, chert				
8378	10,260	1882	Lime				
10,260	10,754	314	Lime, shale, chert				
10,754	11,065	491	Lime, shale				

Distribution: orig, 3cc - OCC
1cc - PAD
4cc - TWA
7cc - E.
Lov. unit
oper.

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.

July 9, 1952

(Date)

Company or Operator Tide Water Associated Oil Co.

Address Box 547 Hobbs, New Mexico

Name H.P. Shackelford

Position or Title District Foreman

DEVIATION SURVEYS

<u>Depth</u>	<u>Deflection</u>
164'	1/4 deg.
340'	1/4 deg.
580'	1/4 deg.
1900'	1/2 deg.
2663'	1/4 deg.
4050'	1/2 deg.
3142'	3/4 deg.
3579'	3/4 deg.
3886'	3/4 deg.
4226'	3/4 deg.
4602'	3/4 deg.
4970'	1/2 deg.
5252'	3/4 deg.
5769'	1/2 deg.
6113'	1/2 deg.
6430'	1/2 deg.
6802'	3/4 deg.
7250'	1 1/2 deg.
7475'	1 1/4 deg.
7960'	1/2 deg.
8220'	1 3/4 deg.
8455'	2 1/4 deg.
8550'	2 deg.
8682'	1 3/4 deg.
8924'	1 1/2 deg.
9240'	3/4 deg.
9550'	3/4 deg.
9825'	1 3/4 deg.
10,250'	1 3/4 deg.
10,574'	1 1/2 deg.
10,853'	1 3/4 deg.
11,035'	2 deg.

DRILL STEM TESTS

- Drill stem test #1: 8312-8352'; tool open 2 hours; rec. 10' clean oil and 120' sl. oil cut drilling mud; IFP. 42 psi, FFP. 42 psi, 15 min. SIP. 470 psi.
- Drill stem test #2: 8448-8485'; tool open 2 hours; rec. 210' sl. oil cut drilling mud; IFP. 80 psi., FFP. 190 psi., 30 min. SIP. 1936 psi.
- Drill stem test #3: 10,370-10,400'; 1000 water blanket; tool open 1-1/2 hours; good blow, weakened in one hour; rec. 1B., 280' sl. gas cut mud, and 7770' sul. water: IF. 1620-4120 psi., 15 min. SIP. 4120 psi.
- Drill stem test #4: 10,890'-11,065'; 1800' water blanket; 5/8" top and 5/8" bottom choke; WB. in 34 min., mud in 1/4 min., oil in 47 min.; Flowed estimated 50 BOPH to bits; tool open 1-1/2 hours: IF. 1850-3015 psi., 1-3/4 hours SIP. 4105 psi.

