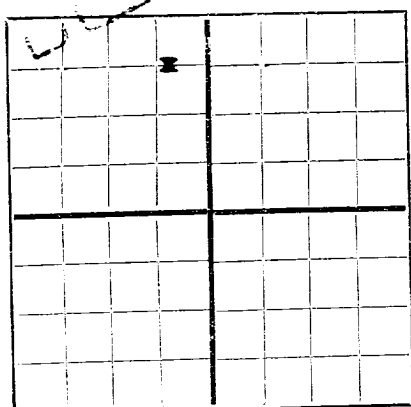
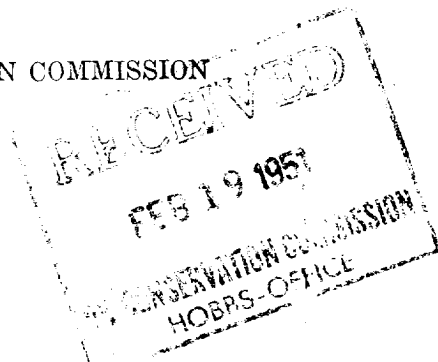


NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD



AREA 640 ACRES
LOCATE WELL CORRECTLY

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Tide Water Associated Oil Company Drawer KK, Hobbs, New Mexico
Company or Operator Address

State "S" Well No. 4 in NE/4 of NW/4 of Sec. 15 T. 21-S
Lease

R. 37-E N. M. P. M. Brunson Field, Lea County.
Well is 660 feet south of the North line and 2080 feet East of the West line of N/2 of N/2, Sec. 15
If State land the oil and gas lease is No. 8-15644 Assignment No. None
If patented land the owner is _____ Address _____
If Government land the permittee is _____ Address _____
The Lessee is **Tide Water Associated Oil Company** Address **Drawer KK, Hobbs, New Mexico**
Drilling commenced **November 26** 1950 Drilling was completed **January 20** 1951
Name of drilling contractor **H. F. Moran, Inc.** Address **Hobbs, New Mexico**
Elevation above sea level at top of casing **3459 DF** feet.
The information given is to be kept confidential until **Not Confidential** 19__

OIL SANDS OR ZONES

No. 1, from 7408 to _____ No. 4, from _____ to _____
No. 2, from 7800 to 7825 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 Shown to _____ feet.
No. 2, from _____ to _____ feet.
No. 3, from _____ to _____ feet.
No. 4, from _____ to _____ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
13-3/8"	36	Spiral	Arneo	295	Texas Pattern				
8-5/8"	24	8-rd.	J-55	2999	Baker				
5-1/2"	17	8-rd	J-55	1340					
5-1/2"	15.5	8-rd	J-55	6631	Larkin				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2	13-3/8	295	300	Halliburton		
11	8-5/8	2999	1700	Halliburton		
6-3/4	501/2	7895	500	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
Adapters — Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		15 1/2 Hol	2000 Gal.	1-19-51	7800-7825	

Results of shooting or chemical treatment **Prior to acid treatment well would not flow; after treatment well flowed**

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 7896 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **January 20**, 1951
The production of the first 24 hours was **578** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, Be. **42 degree API**
If gas well, cu. ft. per 24 hours **654,000** Gallons gasoline per 1,000 cu. ft. of gas. **-**
Rock pressure, lbs. per sq. in. **-**

EMPLOYEES

E. S. Webb, Driller **G. T. Reynolds**, Driller
Finer Wardlaw, Driller

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this **Hobbs, New Mexico** **February 16, 1951**
day of _____, 19__
Name **H. E. Wendt** **H. E. Wendt**
Position **Field Engineer**
Representing **Tide Water Associated Oil Co.**
Company or Operator
Address **Drawer KK, Hobbs, New Mexico**

Notary Public
My Commission Expires June 28, 1953
My Commission expires _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	120	120	Caliche; Surface formation
120	1,210	1,090	Red bed
1,210	1,318	118	Anhydrite and sand
1,318	2,533	1,215	Anhydrite and salt
2,533	2,985	452	Anhydrite
2,985	3,000	15	Anhydrite and Lime
3,000	7,389	4,389	Lime
7,389	7,512	123	Lime and shale
7,512	7,582	70	Lime
7,582	7,632	50	Lime and green shale
7,632	7,858	226	Lime
7,858	7,896	38	Granite wash

Top of Anhydrite	1,210
Top of Grayburg	3,963
Top of San Andreas	5,188
Top of Glorietta	6,180
Top of Drinkard	6,565
Top of McKee	7,408
Top of Connell	7,618
Top of Ellenberger	7,683
Granite Wash	7,858

Drill Stem Tests
(Derrick floor measurements)

DST #1: 7422'-7532' - Open 1 hr. 15 min.; gas in 3 min., mid in 11 min., oil in 12 min., first hour flowed 50 bbls. 5/8" bottom hole choke, 1" top. Gravity 45° API. Initial FP 840#, Final FP 970#. 15 min. SI 2675#.

DST #2: 7556'-7646' - Packer failed.

DST #3: 7738'-7896' - Open 1 hr. 18 min., gas in 5 min., mud in 40 min., oil in 48 min. Flowed 28.29 bbls. oil next 30 min. Initial FP 540#, final FP 1510#, 15 min. SI 2725 psi.

Deviation Surveys

<u>Depth</u>	<u>Deviation</u>
200	
750	1/4
1,050	1/4
1,287	1/4
1,587	0
1,825	0
2,801	1/8
2,885	1/2
3,100	1/4
3,525	0
3,643	3/4
3,750	1/4
4,033	1
4,275	1-1/4
4,424	1-1/2
4,577	1-1/2
4,727	1
4,877	1
5,028	1
5,148	1-1/4
5,360	1-1/4
5,480	3/4
5,629	3/4
6,028	1-1/4
6,475	7/8
6,779	1
6,808	1-3/8
6,927	1-3/8
7,164	1-1/2
7,187	2
7,248	2
7,300	2
7,347	2-1/4
7,433	2
7,585	2-1/4
7,785	1-3/4
	1