

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

OIL CONSERVATION COMMISSION
HOBBS-OFFICE

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company

Turner

Company or Operator
Well No. 16 in SW/4 SW/4 of Sec. 22, T. 21-S

R. 37-E, N. M. P. M., Brunson Field, Lea County.

Well is 4950 feet south of the North line and 4620 feet west of the East line of Sec. 22, T-21-S, R-37-E

If State land the oil and gas lease is No. -- Assignment No. --

If patented land the owner is A. T. Turner, Address --

If Government land the permittee is --, Address --

The Lessee is Shell Oil Company, Address Box 1957, Hobbs, New Mexico

Drilling commenced 12-21 1951 Drilling was completed 3-3 1952

Name of drilling contractor Reading & Bates, Address Tulsa, Oklahoma

Elevation above sea level at top of casing 3415 feet.

The information given is to be kept confidential until Not confidential 19

OIL SANDS OR ZONES

No. 1, from 7785 to 7850 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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED TO	PURPOSE
1 3/8"	48#	8	--	199'				Water string
8 5/8"	32#	8	Lat'l	2913	Baker			Salt string
5 1/2"	15.5#	8	Mixed	5057'	Larkin			Oil string
2 3/8"	4.7#	8	JAL	7845	Hung	7853	7829 7845	Tubing string

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 1/4"	13 3/8"	208	150	Pump & plug		
11"	8 5/8"	2926	2350	Pump & plug		
7 7/8"	5 1/2"	7785	970	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	CHEMICAL USED	QUANTITY	DATE	DEPTH TREATED	DEPTH CLEANED OUT
		15% LST acid	1000 gals.	3-10-52	7785-7864	

Results of shooting or chemical treatment After recovering hole load flowed 116 bbls. oil in 15 hrs.

RECORD OF DRILL-STEM AND SPECIAL TESTS

See Reverse Side

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 7864 feet, and from feet to feet.

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

PRODUCTION

Put to producing 3-11 1952

The production of the first 24 hours was 191.32 barrels of fluid of which 99.8 % was oil; -- %

emulsion: -- % water; and 0.2 % sediment. Gravity, 42.7° API

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 969

EMPLOYEES

J. W. Adams, Driller J. A. Jackson, Driller

Leon Grappe, 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.

Hobbs, New Mexico 3-12-52
Place Date

Name J. D. Savage J. D. Savage

Position Division Exploitation Engineer

Representing Shell Oil Company
Company or Operator.

Address Box 1957, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
<u>SAMPLE LOG</u>			
0	6500	6500	No samples taken.
6500	7373	873	Dolomite & lime with shale streaks
7373	7615	242	Shale and sand with streaks lime and shale
7615	7715	100	Lime
7715	7850	135	Dolomite
7850	7864	14	Granite wash
<u>TOPS BY SCHLUMBERGER</u>			
Clear Fork		5557 (-2130)	
Tubb "A"		6052 (-2625)	
Drinkard		6369 (-2942)	
Abo		6650 (-3223)	
Permian/Simpson contact		7373 (-3946)	
Base McKee		7417 (-3990)	
Connell		7552 (-4125)	
Ellenburger Lime		7615 (-4188)	
Ellenburger Dolomite		7715 (-4288)	
Granite Wash		7850 (-4423)	
<u>DST #1:</u>	6740-7080 (340' Abo Dolomite)		Tool open 180 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately. Gas to surface in 12 min. Recovered 1620' (11.34 bbls.) of 39.1° API gravity oil. FBHP 175-675 psi. BWH 3625 psi. <u>Positive Test.</u>
<u>DST #2:</u>	7080-7420 (340' Abo dolomite & McKee sand)		Tool open 145 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Immediate very strong air blow. Gas to surface in 17 min., mud in 30 min., oil in 35 min. Flowed to pits to clean 20 min. Then turned to tanks & flowed 65.6 bbls. oil in 90 min. GOR 1006. Gravity 52° API. FBHP 1050-1275 psi. 30 min. SIBHP 2375 psi. BWH 3625 psi. <u>Positive Test.</u>
<u>DST #3:</u>	7674-7760 (86' Ellenburger dolomite)		Tool open 105 min. thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow throughout test. Gas to surface in 6 min. Recovered 6100' (42.7 bbls.) of 42.1° API gravity oil. FBHP 600-1725 psi. 15 min. SIBHP 2000 psi. BWH 3750 psi. <u>Positive Test.</u>