

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

SEP 19 1952

WELL RECORD

OIL CONSERVATION COMMISSION
MOBBS-OFFICE

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.

Shell Oil Company (Company or Operator) Priest (Lease)

Well No. 2, in NW 1/4 of NW 1/4, of Sec. 1, T. 15-S, R. 37-E, NMPM.

Denton Pool, Lea County.

Well is 660 feet from North line and 330 feet from West line of Section 1. If State Land the Oil and Gas Lease No. is -

Drilling Commenced 5-6, 1952. Drilling was Completed 9-1, 1952.

Name of Drilling Contractor: Roman Drilling Company

Address: Fort Worth, Texas

Elevation above sea level at Top of Tubing Head 3787. The information given is to be kept confidential until Not Confidential, 19.

OIL SANDS OR ZONES

No. 1, from to 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8"	48#	New	337'				Surface String
8-5/8"	32#	New & S.H.	4748'	Baker			Water String
5-1/2"	17#, 20# & 15.5#	New	12,458'	Larkin			Oil String
2-3/8"	4.7#	New	12,665'	Hung	12,674'		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"	351'	325	Pump & Plug	Cement to Surface	
11"	8-5/8"	4762'	3500	Pump & Plug	Cemented to Surface	
7-7/8"	5-1/2"	12,470'	700	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Result of Production Stimulation

Depth Cleaned Out

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

Rotary tools were used from 0 feet to 12,675' feet, and from _____ feet to _____ feet.

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

Put to Producing..... **9-10**, 19 **52**

OIL WELL: The production during the first 24 hours was..... **586** barrels of liquid of which..... **92** % was
was oil; **8** % was ~~oil~~; % water; and..... % was sediment. A.P.I.
Gravity..... **45° API**

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.....

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.....	T. Simpson.....	T. Pictured Cliffs.....
T. Yates Yaso 6240'	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. Holcamp Line 9215'	T. Morrison.....
T. Drinkard 511t 7383'	T.	T. Penn.....
T. Tubbs.....	T.	T.
T. Abo..... 8055'	T.	T.
T. Penn.....	T.	T.
T. Miss..... 11,482'	T.	T.

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	30	30	Caliche & Surface Sands	DST #1 9161-9334'	(173')	Wolfcamp lime. Tool	
30	360	330	Surface Sands & Red Beds	open 2 hrs. thru 5/8" BC, 1" TC on 3-1/2" DS.			
360	1905	1545	Red Beds	Immed. very weak air blow incr. to moderate at			
1905	2380	475	Anhydrite & Salt	end of test. Gas to surface in 90 mins. Rec.			
2380	3292	912	Salt, Anhydrite & Gyp	1020' (7.1 bbls) clean oil, gr. 37.1° API, 190'			
3292	4510	1218	Anhydrite & Gyp	(1.3 bbls) hvly. O&GCM & 280' (20 bbls.) sulfur			
4510	4735	225	Lime & Dolomite	cut drlg. wtr. titrating 6000 PPM Cl ⁻ . FBHP 180			
4735	8100	3365	Dolomite	525 psi, 30-min. SIBHP 3550 psi. HMM 4350 psi.			
8100	9050	950	Shale	<u>Positive Test.</u>			
9050	9250	200	Dolomite				
9250	9830	580	Dolomite & Lime	DST #2 9974-10,053'	(79')	Basal Wolfcamp Dolo.	
9830	10,765	935	Dolomite	Tool open 45 mins. thru 5/8" BC, 1" TC on 3 1/2" DS.			
10,765	11,092	327	Dolomite & Chert	Immed. strong blow decreasing to weak blow in			
11,092	11,602	510	Lime & Shale	20 mins. Died in 41 mins. Tool 30 min. SIBHP.			
11,602	11,953	351	Lime, Shale & Chert	rec. 8430' fluid (62.4 bbls.) 455' (3.4 bbls.)			
11,953	12,370	417	Lime	water-cut mud, 3549' (26.3 bbls.) salty sulfur			
12,370	12,480	110	Shale	water, & 3971' (29.3 bbls.) sh. gas-cut salty			
12,480	12,675	195	Dolomite & Shale	sulfur water. FBHP 825-3965 psi, 30 min. SIBHP			
	12,675	TD		3965 psi. HMM 4805 - 4780 psi. <u>Positive Test.</u>			

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.

September 17, 1952

Company or Operator.....Shell Oil Company.....

Address.....Box 1957, Hobbs, New Mexico

Name J. D. SAVAGE J. D. SAVAGE

Position or Title..... **Division Exploitation Engineer**