

2-3482

NEW MEXICO OIL CONSERVATION COMMISSION
HOBBBS OFFICE, Santa Fe, New Mexico

NOV OCT 15 PM 3:17
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 QUINTUPPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company State ND
(Company or Operator) (Lease)

Well No. 1, in SE 1/4 of 34 1/4, of Sec. 29, T. 16-S, R. 34-E, NMPM.
Mannings-Wolfcamp Pool, Lea County.
Well is 1980 feet from south line and 1080 feet from west line of Section 29. If State Land the Oil and Gas Lease No. is 5-1769.
Drilling Commenced July 6, 1957. Drilling was Completed August 30, 1957.
Name of Drilling Contractor Germany Pools - Rig # 22
Address Box 1509, Midland, Texas
Elevation above sea level at Top of Tubing Head 4122. The information given is to be kept confidential until not confidential, 1957.

OIL SANDS OR ZONES

No. 1, from 10,797 to 10,849 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 7/8"	482	new	339				Surface string
8 5/8"	327	new	4,554				Salt string
5 1/2"	15.54 & 17 1/2	new	10,882	Larkin		10,797'-10,849'	oil 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
12 1/4"	13 3/8"	355	400	Pump & Plug	Cemented to Surface	
11"	8 5/8"	4,567	2050	Pump & Plug	Cemented to Surface	
9 3/4"	5 1/2"	10,894	100	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)
Treated perforations 10,797' - 10,807', 10,811' - 10,816', 10,822' - 10,832' & 10,840' - 10,849' w/1000 gallons 15% regular acid.
Result of Production Stimulation On OCT pumped 124 BOPD + 190 BW w/6-20' 30%
Depth Cleaned Out 10,865'

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 10,894 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing October 10, 1957

OIL WELL: The production during the first 24 hours was 254 barrels of liquid of which 49 % was oil; % was emulsion; 93 % water; and % was sediment. A.P.I. Gravity

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	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 4500' (-3651')	T. Granite	T. Dakota
T. Glorieta	T. Wolfcamp 1, Marker 10,530' (-3385')	T. Morrison
T. Drinkard	T. Wolfcamp 9690' (-5555')	T. Penn.
T. Tubbs		
T. Abo 7958' (-3823')		
T. Penn.		
T. Miss.		

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	10,000	10,000	No samples taken				
10,000	10,070	70	Line & Chert				
10,070	10,400	330	Line & Shale				
10,400	10,894	494	Lime				
	TD	10,894					

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.

October 11, 1957

(Date)

Company or Operator Shell Oil Company

Address Box 1957, Hobbs, New Mexico

Name Rex C. Cabaniss Original Signed By Rex C. Cabaniss

Position or Title District Exploitation Engineer

ATTACHMENT TO G-101

STATE WD-1, KEMNITZ-WOLF CAMP

DRILL STEM TEST DATA

- DST # 1: 10,774' - 10,875' (101' Lower Wolfcamp). Tool open 3 hours on 5/8" BC, 1" TC on 4" DP. Immediate good air blow. GTS 8 mins. Flowed @ approximately 40,000 CFOPD (Pitot tube measurement) throughout test. Pulled 48 stands DP & DP unloaded HO & GCM / oil. Reversed out 60 BF (estimated 21 BO / 39 BSW). Recovered 400' SW below circulating valve. Water titrated 45,000 ppm Cl⁻. 30 mins. SISBP 3640 psi. FBHP 600 - 2720 psi. 30 mins. FSIBHP 3080 psi. Maximum temperature 204 deg. F. Positive Test. (Cook).
- DST # 2: 10,774' - 10,806' Straddle Test (32' Lower Wolfcamp). Tool open 2 hours, 5 mins. on 5/8" BC, 1" TC & 4" DP. Immediate good air blow. GTS 1 hour, 20 mins. with good blow lasting throughout test. Pulled 75 stands DP & found 3600' fluid in hole. Reversed out approximately 200 (2 bbls.) O & GCM w/trace salt water / 200' (2 bbls.) SW, O & GCM / 2800' (31 bbls.) muddy salt water. Recovered 400' (4 bbls) salt water below circulating sub. FBHP 190 - 1680 psi. 30 mins. SIBHP 3290 psi. HMH in and out 4900 psi. Maximum BHT 190 deg. F. Positive Test. (Cook).
- DST # 3: 10,810' - 10,875' (65' Lower Wolfcamp). Tool open 2 hours thru 5/8" BC, 1" TC on 4" DP. Immediate good air blow. GTS 19 mins. Flowed @ approximately 40,000 CFOPD. Pulled 78 stands DP & found 3000' (32 bbls.) fluid above circulating sub. Reversed out 24 BF (50% oil & 50% salt water) / 8 BSW (Total 12 BO / 20 BSW). Recovered 450' (4.5 bbls) SW below circulating sub. FBHP 250 - 1200 psi. 30 mins. SIBHP 2390 psi. HMH 5020 - 4980 psi. Maximum BHT 193 deg. F. Conclusive Test. (Cook).
- DST # 4: 10,838' - 10,875' (37' Lower Wolfcamp). Tool open 2 hours thru 5/8" BC, 1" TC on 4" DP. Immediate good air blow. GTS 38 mins. Flowed @ rate TSEM and decreased slightly during test. Pulled 103 stands DP and found 740' (7.4 bbls.) fluid above circulating sub. Reversed out an estimated 1.4 bbls. HO, O & SWCM / 3 BF (50% oil & 50% water) / 3 BSW. Recovered 500' (5 bbls.) SW below circulating sub. Total recovery 1.4 bbls. HO, O & SWCM / 1.5 BO / 9.5 BSW. FBHP 100 - 510 psi. 30 mins. SIBHP 2060 psi. HMH 5020 - 5000 psi. Maximum BHT 191 deg. F. Conclusive Test. (Cook).

Correct C. R. Gerling
Exploitation Engineer

Approved by P. A. Deanie
Division Exploitation Engineer