

B-37-E

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. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company

(Company or Operator)

State VAA

(Lease)

Well No. 4, in NE 1/4 of SW 1/4 of Sec. 5, T. 18S, R. 35E, NMPM.

undesignated Pool, Lea County.

Well is 1690 feet from south line and 660 feet from west line of Section 5. If State Land the Oil and Gas Lease No. is B-6504

Drilling Commenced September 13, 1961 Drilling was Completed October 9, 1961

Name of Drilling Contractor Hende Drilling Company

Address P. O. Box 116, Midland, Texas

Elevation above sea level at Top of Tubing Head 3964'. The information given is to be kept confidential until not confidential, 19.

OIL SANDS OR ZONES

No. 1, from 8690' to 8816' 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 HOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	48 1/2	new	289'				Surface
8 5/8"	32 1/2 & 24 1/2	new	3157'	Outside			Intermediate
4 1/2"	9 3/4 & 11.6 1/2	new	8945'	Float		8690' - 8708'	Oil
						8734' - 8750'	
						8758' - 8816'	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	13 3/8"	305'	190	Pump & Plug	Cemented to surface	
11"	8 5/8"	3199'	250	Pump & Plug	Cemented to surface	
7 7/8"	4 1/2"	8992'	1000	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Perforated 8690' - 8708', 8734' - 8750', 8758' - 8816' w/1 J3FF.

Treated w/6000 gallons 15% HCl acid.

Result of Production Stimulation On OPI flowed 322 BOPD, cut 0.4% BS&W, thru 16/64" choke.

FIP 775 psi. CP packer.

Depth Cleaned Out 8908'

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 8952 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing October 15 61, 19

OIL WELL: The production during the first 24 hours was 322 barrels of liquid of which 99.6 % was oil; % was emulsion; % water; and 0.4 % was sediment. A.P.I. Gravity 40.2 deg.

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.	1522' (+8452')		T. Devonian		T. Ojo Alamo
T. Salt			T. Silurian		T. Kirtland-Fruitland
B. Salt			T. Montoya		T. Farmington
T. Yates	2975' (+999')		T. Simpson		T. Pictured Cliffs
T. 7 Rivers	3328' (+646')		T. McKee		T. Menefee
T. Queen	3973' (+1')		T. Ellenburger		T. Point Lookout
T. Grayburg			T. Gr. Wash		T. Mancos
T. San Andres	4777' (-803')		T. Granite		T. Dakota
T. Glorieta	6802' (-2228')		T.		T. Morrison
T. Drinkard			T.		T. Penn
T. Tubbs			T.		T.
T. Abo "Reds"	8254' (-4280')		T.		T.
T. Penn			T.		T.
T. Miss			T.		T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	280	280	Surface Sand & Caliche				
280	1522	1242	Red Beds, Sandstone, Shale Siltstone, Limestone				
1522	2975	1453	Salt, Anhydrite				
2975	3973	998	Anhydrite, Dolomite v/Shale				
3973	7050	3077	Dolomite, Sandstone, Shale Siltstone				
7050	8952	1102	Dolomite v/Shale				

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 17, 1961

Company or Operator Shell Oil Company

Address Box 1858, Roswell, New Mexico

Name R. A. Lowery

Original Signed By R. A. LOWERY

District Exploitation Engineer