

AREA 640 ACRES
LOCATE WELL CORRECTLY

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

Shell Oil Company

State B

(Company or Operator)

(Lease)

Well No. 36-1 in NE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 36, T. 21S, R. 36E, NMPM.
Custer Pool, Len County.Well is 660 feet from north line and 1880 feet from west line of Section 36. If State Land the Oil and Gas Lease No. is B-1167Drilling Commenced January 26, 19 60 Drilling was Completed June 10, 19 60Name of Drilling Contractor A. W. Thompson Drilling CompanyAddress Room 214, Midland National Bank Building, Midland, TexasElevation above sea level at Top of Tubing Head 3271' The information given is to be kept confidential until not confidential, 19

OIL SANDS OR ZONES

No. 1, from <u>12,730'</u> to <u>12,758' (0)</u>	No. 4, from <u> </u> to <u> </u>
No. 2, from <u>12,768'</u> to <u>12,784' (0)</u>	No. 5, from <u> </u> to <u> </u>
No. 3, from <u>12,834'</u> to <u>12,890' (0)</u>	No. 6, from <u> </u> to <u> </u>

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u> </u> to <u> </u> feet.	<u> </u>
No. 2, from <u> </u> to <u> </u> feet.	<u> </u>
No. 3, from <u> </u> to <u> </u> feet.	<u> </u>
No. 4, from <u> </u> to <u> </u> feet.	<u> </u>

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	48W	NEW	1,307'	Larkin Float			Surface String
9 5/8"	36W	NEW	1,072'	Baker Float			Salt String
5 1/2"	17W & 20W	NEW	12,949'	Baker Float		12,730'-12,758'	Oil String
						12,768'-12,784'	
						12,834'-12,860'	
						12,860'-12,890'	

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 1/2"	13 3/8"	1,220'	800	Pump & Plug	Cemented to surface	
12 1/4"	9 5/8"	1,088'	1500	Pump & Plug	Cemented to surface	
8 3/4"	5 1/2"	12,965'	610	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Pumped 250 gallons 15% EDA followed by 6 bbls. brine water. Perforated 5 1/2" casing 12,730' -12,758', 12,768' - 12,784', 12,834' - 12,860' & 12,860' - 12,890' w/4-1/2" JSPF.
Treated w/500 gallons 15% NE acid, then treated w/6000 gallons 15% NE acid using ball sealers.Result of Production Stimulation On OPT flowed gas w/open-flow potential of 61.5 MMCF/D.Depth Cleaned Out 12,926'

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 12,966 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing July 5, 1960

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

GAS WELL: The production during the first 24 hours was 61.5 * M.C.F. plus 8.6 M/PMCT barrels of
liquid Hydrocarbon. Shut in Pressure 4250 lbs. Absolute open flow

Length of Time Shut in 72 hours

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
Rustler			Sillero		
T. Anhy.	1180' (+2105')		T. Devonian	9839' (-6594')	T. Ojo Alamo
T. Salt			T. Silurian		T. Kirtland-Fruitland
B. Salt			T. Montoya	11,380' (-8095')	T. Farmington
T. Yates	2832' (+453')		T. Simpson	11,734' (-8449')	T. Pictured Cliffs
T. 7 Rivers	3060' (+225')		T. McKee	12,085' (-8800')	T. Menefee
T. Queen	3441' (-156')		T. Ellenburger	12,725' (-9440')	T. Point Lookout
T. Grayburg	3642' (-157')		T. Gr. Wash.		T. Mancos
T. San Andres			T. Granite		T. Dakota
T. Glorieta			T. Permian		T. Morrison
T. Drinkard			T. Permian Reef Complex	3740' (-455')	
T. Tubbs			T. Bone Spring	6435' (-3150')	T. Penn.
T. Abo			T. Abo Reef Facies	6675' (3390')	
T. Penn.	8600' (-5315')		T. Wolfcamp	7995' (-4740')	
T. Miss. Shale	8625' (-5340')		T. Fusselman	10,707' (-7422')	

Miss Limestone 8915' (-9630') FORMATION RECORD
Lower Mississippian Black Shale 9410' (-6125')

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	275	275	Surface Gravel & Caliche	8190	8330	180	Limestone
275	1180	905	Red Beds, Sand, Shale	8330	8470	140	Dolomite
1180	2480	1300	Anhydrite, Salt, Shale	8470	8580	110	Dolomite, Limestone
2480	2700	220	Anhydrite, Salt, Dolomite	8580	8640	60	Limestone, Shale, Sandstone
2700	4100	1400	Sand, Shale, Dolomite	8640	8920	280	Shale, Silt
4100	5030	930	Dolomite, Sand	8920	9030	110	Shale, Silt, Limestone
5030	5170	140	Dolomite, Chert	9030	9420	390	Limestone w/Chert, Shale, Silt
5170	5380	150	Limestone, Chert	9420	9839	419	Shale
5380	5640	320	Limestone, Chert, Shale	9839	9930	91	Limestone, Dolomite
5640	5760	120	Dolomite, Chert, Limestone	9930	10030	100	Dolomite
5760	6320	540	Dolomite	10030	10090	60	Limestone, Dolomite, w/Chert
6320	6420	100	Dolomite, Chert, Limestone	10090	10707	617	Limestone, w/some Shale & Chert
6420	6670	250	Limestone, Chert, Dolomite	10707	10770	63	Dolomite
6670	7100	430	Dolomite, Chert	10770	10820	50	Limestone
7100	7180	80	Limestone, Shale, Silt	10820	11280	380	Dolomite w/some Limestone
7180	7220	40	Dolomite	11280	11380	180	Dolomite, Limestone
7220	7360	140	Limestone w/Shale, Dolomite, Chert	11380	12000	620	Limestone w/Dolomite, Shale, Sand
7360	7480	120	Dolomite, Chert	12000	12180	180	Limestone, Shale, Sand
7480	7870	390	Limestone w/Shale, Chert, Dolomite	12180	12380	200	Shale, Sand
7870	7910	40	Dolomite	12380	12725	345	Shale, Limestone, Sandstone
7910	7980	70	Limestone, Shale	12725	12966	241	Dolomite
7980	8060	80	Dolomite				
8060	8150	90	Limestone, 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.

July 13, 1960

(Date)

Company or Operator Shell Oil Company

Address Box 845, Roswell, New Mexico

Name R. A. Lowery

Original Signed By
R. A. LOWERY

District Exploitation Engineer