

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

1961 JUN 19 AM 5:58
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 T.

(Company or Operator)

(Lease)

Well No. 7, in NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Sec. 33, T. -17-S, R. -35-E, NMPM.
undesignated Pool, Lee County.Well is 1650 feet from south line and 660 feet from east line
of Section 33. If State Land the Oil and Gas Lease No. is B-1400Drilling Commenced April 20, 19 61 Drilling was Completed May 30, 19 61Name of Drilling Contractor Hondo Drilling CompanyAddress P. O. Box 116, Midland, TexasElevation above sea level at Top of Tubing Head 3927. The information given is to be kept confidential until
not confidential, 19 61

OIL SANDS OR ZONES

No. 1, from 8790' to 8900' 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
<u>13 3/8"</u>	<u>48#</u>	<u>new</u>	<u>300'</u>				<u>Surface</u>
<u>9 5/8"</u>	<u>36#</u>	<u>SH</u>	<u>3087'</u>	<u>Guide</u>			<u>Intermediate</u>
<u>5 1/2"</u>	<u>15.5# & 17#</u>	<u>SH</u>	<u>9192'</u>	<u>Float</u>		<u>8790' - 8842'</u> <u>8866' - 8900'</u>	<u>Oil</u>

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>17"</u>	<u>13 3/8"</u>	<u>314'</u>	<u>290</u>	<u>Pump & Plug</u>	<u>Cemented to surface</u>	
<u>12 1/4"</u>	<u>9 5/8"</u>	<u>3099'</u>	<u>1125</u>	<u>Pump & Plug</u>	<u>Cemented to surface</u>	
<u>8 3/4"</u>	<u>5 1/2"</u>	<u>9203'</u>	<u>800</u>	<u>Pump & Plug</u>		

RECORD OF PRODUCTION AND STIMULATION

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

Perforated 8790' - 8842', 8866' - 8900' w/2 JSF. Treated w/500 gallons 15% NEA.Treated perforations 8866' - 8900' w/2000 gallons 15% NEA.Treated perforations 8790' - 8842' w/3000 gallons 15% NEA.Treated all perforations w/10,000 gallons 15% NEA.Result of Production Stimulation On OPT flowed 188 BOPD + 2 B BS thru 16/64" choke. FTP 100 psi.Depth Cleaned Out 9172'

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 10,498 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing June 12, 1961

OIL WELL: The production during the first 24 hours was 190 barrels of liquid of which 99% was oil; % was emulsion; % water; and 1% was sediment. A.P.I. Gravity 10.8 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):

Rustler		Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	1565' (+2382')	T. Devonian		T. Ojo Alamo	
T. Salt		T. Silurian		T. Kirtland-Fruitland	
B. Salt		T. Montoya		T. Farmington	
T. Yates	2913' (+1034')	T. Simpson		T. Pictured Cliffs	
T. 7 Rivers	3214' (+733')	T. McKee		T. Menefee	
T. Queen	3787' (+160')	T. Ellenburger		T. Point Lookout	
T. Grayburg		T. Gr. Wash		T. Mancos	
T. San Andres	4457' (-510')	T. Granite		T. Dakota	
T. Glorieta	5993' (-2046')	T. Abo Reef	8120' (-4173')	T. Morrison	
T. Drinkard		T. Reef Porosity	8680' (-4733')	T. Penn	
T. Tubbs		T. Wolfcamp	9827' (-5880')	T.	
T. Abo Dolo.	7876' (-3929')	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	230	230	Surface sands, Caliche				
230	1565	1335	Red Beds, Sandstone, Shale, Limestone				
1565	2913	1348	Anhydrite, Salt, Shale				
2913	3214	301	Anhydrite, Salt, Dolomite, Sandstone, Shale				
3214	4457	1243	Dolomite, Sandstone, Shale				
4457	5107	690	Dolomite				
5107	7876	2769	Dolomite, Sandstone, Shale Siltstone				
7876	9810	1934	Dolomite, Shale w/some Limestone				
9810	10498	688	Limestone, Dolomite w/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.

June 16, 1961

(Date)

Company or Operator Shell Oil Company

Address Box 1858, Roswell, New Mexico

Name V. L. King

Exploitation Engineer

ATTACHMENT FOR NMOC FORM C-105

Shell Oil Company
State T-7
Sec. 33-18S-35E
NE/4 SE/4
Lea County, New Mexico

- DST # 1: 9430' - 9639' (209' Wolfcamp). Tool open 83 minutes thru 5/8" BC, 4 1/2" DP. Tool open 22 1/2 minutes initially. Opened w/strong blow. Shut in for ISIBHP. Re-opened with weak blow & continued throughout 60 1/2 minutes. Recovered 450' (6.3 bbls.) gas & sli oil cut mud + 5760' (78.1 bbls.) gas and mud cut salt water. ISIBHP failed. FBHP 1393 - 2860 psi. 70 1/2 minutes FSIBHP 3518 psi. HMP 4580 psi. Recovery water titrated 27,500 ppm Cl⁻. Pit mud 4500 ppm Cl⁻. BHT 142 deg. Conclusive Test. (Cook)
- DST # 2: 9709' - 9811' (102' Wolfcamp). Tool open 45 minutes thru 5/8" BC, 1/2" TC, 4 1/2" DP. Opened w/weak blow increasing to strong blow in 4 minutes, remained strong throughout test. NGIS. Recovery 390' (5.4 bbls.) water cut mud + 540' (7.5 bbls.) mud cut salt water + 1920' (28.9 bbls.) salt water. 60 minutes ISIBHP 3694 psi. FBHP 349 - 651psi. & 790 - 1297 psi. 72 minutes FSIBHP 3648 psi. HMP 4623 psi. BHT 140 deg. F. Conclusive Test. (Cook)
- DST # 3: 10,220' - 10,324' (104' Wolfcamp). Tool open 30 minutes thru 5/8" BC, 1/2" TC, 4 1/2" DP. Opened w/strong blow and continued strong throughout test. NGIS. Recovery 270' (3.8 bbls.) sli gas & water cut drilling mud. 6470' (87.3 bbls.) salt water. 60 minutes ISIBHP 3840 psi. FBHP 1920 - 2300 psi & 2760 - 3240 psi. 62 minutes FSIBHP 3840 psi. HMP 4840 psi. Recovery water titrated 46,000 ppm Cl⁻. Pit mud 4800 ppm Cl⁻. BHT 146 deg. Conclusive Test. (Cook)

