

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

PROCESS OFFICE 000

1955 SEP 9 AM 9:35

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.

1-36-N


AREA 640 ACRES  
LOCATE WELL CORRECTLY

Shell Oil Company  
(Company or Operator)

State - NM  
(Lease)

Well No. 1, in NE 1/4 of NW 1/4, of Sec. 16, T. 15-S, R. 36-E, NMPM.

Candill-Devonian

Pool,

Lee

County.

Well is 660 feet from north line and 1988 feet from west line

of Section 16. If State Land the Oil and Gas Lease No. is E-1667

Drilling Commenced June 3, 1955. Drilling was Completed August 24, 1955.

Name of Drilling Contractor Noble Drilling Company

Address Drawer 550, Midland, Texas

Elevation above sea level at Top of Tubing Head 3910. The information given is to be kept confidential until not confidential, 19.

OIL SANDS OR ZONES

No. 1, from 13,376 to 13,470 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	335				Surface String
8 5/8"	32#	new	4,733				Salt String
5 1/2"	17# & 20#	new	13,660			13,376'-13,470'	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
17 1/2"	13 3/8"	354	350	Pump & Plug	Cemented to Surface	
11"	8 5/8"	4,748	2200	Pump & Plug	Cemented to Surface	
7 7/8"	5 1/2"	13,674	200	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

Washed perforations 13,376' - 13,470' w/500 gallons mud cleanout agent.

Then treated thru perforations w/1500 gallons mud cleanout agent.

Result of Production Stimulation. ON OPT flowed 363 BOPD (based on 318 BO in 21 hours) cut 0.4% BS, thru 17/64" choke. FTR 325 psi. FOP 175 psi.

Depth Cleaned Out 13,635'

## 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 13.674 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## PRODUCTION

Put to Producing September 1, 1955

OIL WELL: The production during the first 24 hours was.....363.....barrels of liquid of which.....99.6.....% was oil; .....% was emulsion; .....% water; and.....0.4.....% was sediment. A.P.I. Gravity. 60 deg. 149

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 <b>shale. 13,374' (-9454')</b>	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.....	T. Granite.....	T. Dakota.....
T. Glorieta <b>shale. 6314' (-2214')</b>	T. <b>Wolfcamp line 9615' (-5695')</b>	T. Morrison.....
T. Drinkard <b>silt 7394' (-3474')</b>	T. <b>Atoka shale 13,276' (-9356')</b>	T. Penn.....
T. Tubbs.....	T. ....	T. ....
T. Abo <b>shale 8090' (-4170')</b>	T. ....	T. ....
T. Penn <b>line 10,390' (-6470')</b>	T. ....	T. ....
T. Miss <b>line 12,557' (-8637')</b>	T. ....	T. ....

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	10100	10100	No samples taken	DST # 2: 13,399' - 13,485' (86' Devonian			
10100	12400	2300	Lime & Shale	dolomite). Tool open 3 hours thru 5/8" BG &			
12400	12620	220	Shale	1" TC on 4 1/2" & 3 1/2" DS w/2000' WB. Tool			
12620	12640	20	Shale & Lime	opened w/immediate weak blow increasing to fair			
12640	13290	650	Lime	in 30 minutes. BOTS. Pulled drill pipe &			
13290	13370	80	Lime & Shale	found fluid when 96 stands out of hole.			
13370	13426	56	Shale	Reversed out 2000' WB, 2600' (18.2 bbls.) oil			
13426	13446	20	Shale & Dolomite	60.3 deg. API. Recovered 60' WAGGM below			
13446	13672	226	Dolomite	circulating sub. No evidence of formation			
				water. FBHP 1080 - 1665 psi. 30 minutes SIBHP			
				5220 psi. NMM 6525 - 6525 psi.			
				<u>Positive Test.</u> (Johnston)			
	TD	13672		DST # 3: 13,484' - 13,670' (186' Devonian			
				dolomite). Tool open 4 hours thru 5/8" BG & 1"			
				TC on 4 1/2" & 3 1/2" DS w/2000' WB. Tool			
				opened w/good blow lasting throughout test.			
				BTS in 2 1/2 hours. Pulled drill pipe & found			
				fluid w/7 stands out. Reversed out 2000' WB &			
				10,800' (86.4 bbls.) oil w/BS to pits. Gravity			
				61 deg. API. Recovered 150' WAGGM below			
				circulating sub. No evidence of formation			
				water. FBHP 1350 - 3960 psi. 30 minutes SIBHP			
				4590 psi. NMM 6660 - 6660 psi.			
				<u>Positive Test.</u> (Johnston)			

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.

September 6, 1955

-----  
(Date)

Shell Oil Company  
Company or Operator.....  
B. Nevill  
Name..... Original signed by  
B. Nevill

(Date) \_\_\_\_\_

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

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

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

## REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
~~Recompletion~~

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico

September 6, 1955

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Shell Oil Company

State **OB**Well No. **1**, in **N2**  $\frac{1}{4}$  **NW**  $\frac{1}{4}$ ,

(Company or Operator)

(Lease)

**0**Sec. **16**T **-15-S**R **-36-S**

NMPM,

Candill-Devonian

Pool

(Unit)

**Lee**County. Date Spudded **6-3-55**Date Completed **9-1-55**

Please indicate location:

	<b>E</b>		

Elevation **3920** Total Depth **13,674'** P.B. **13,635'**Top oil ~~pay~~ **13,376'** Name of Prod. Form **Devonian**Casing Perforations: **13,376' - 13,470'** orDepth to Casing shoe of Prod. String **13,674'**

Natural Prod. Test BOPD

based on bbls. Oil in Hrs. Mins.

Test after acid ~~water~~ **363** BOPDBased on **318** bbls. Oil in **21** Hrs. Mins.

Gas Well Potential

Size choke in inches **17/64"**Date first oil run to tanks or gas to Transmission system: **9-1-55**Transporter taking Oil or Gas: **Gulf Refining Company**  
**Western Pipe Line Division**

## Section 16 Unit 0

## Casing and Cementing Record

Size Feet Sax

<b>13 3/8</b>	<b>354</b>	<b>350</b>
<b>8 5/8</b>	<b>4,748</b>	<b>2200</b>
<b>5 1/2</b>	<b>13,674</b>	<b>200</b>

Remarks: **\*Washed perforations 13,376' - 13,470' w/500 gallons mud cement agent.**  
**Then treated thru perforations w/1500 gallons mud cement agent.**

I hereby certify that the information given above is true and complete to the best of my knowledge

Approved, 19.....

Shell Oil Company

(Company or Operator)

OIL CONSERVATION COMMISSION

By: *C. M. Linder*

Title

By: **B. Nevill** Original signed by(Signature) **B. Nevill**Title **Division Exploitation Engineer**

Send Communications regarding well to:

Name **Shell Oil Company**Address **Box 1957, Hobbs, New Mexico**