

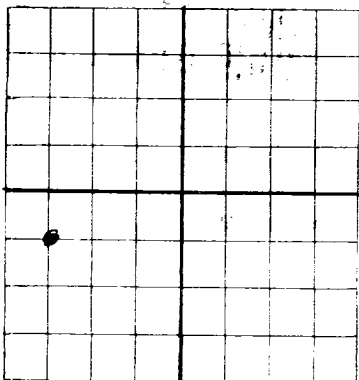
**DUPLICATE**  
FORM O-105

**NEW MEXICO OIL CONSERVATION COMMISSION**

Santa Fe, New Mexico

**RECEIVED**  
FEB 5 - 1940  
**REGISTERED**  
HOBBS OFFICE

**WELL RECORD**



AREA 640 ACRES  
LOCATE WELL CORRECTLY

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

**Wilson Oil Company** Box 927 Santa Fe, New Mexico  
Company or Operator Address

State No. **2 1399** Well No. **3** of Sec **7** T. **21S**

R. **38N** N. M. P. M. **West Banica** Field, **Lea** County.

Well is **3300** feet south of the North line and **4620** feet west of the East line of **Sec. 7**

If State land the oil and gas lease is No. **650** Assignment No. **Farmout**

If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_

If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_

The Lessee is **Shell Oil Company, Inc.** Address **Midland, Texas**

Drilling commenced **Nov. 29,** 19**39** Drilling was completed **Jan. 24,** 19**40**

Name of drilling contractor **None** Address \_\_\_\_\_

Elevation above sea level at top of casing **3697** feet.

The information given is to be kept confidential until \_\_\_\_\_ 19\_\_\_\_.

**OIL SANDS OR ZONES**

No. 1, from **3714** to **3725** No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from **3780** to **3790** 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 **335** to **400** feet. **2 bailers per hour**

No. 2, from **865** to **890** feet. **2 " " "**

No. 3, from **1010** to **1045** feet. **H.F.W.**

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet. \_\_\_\_\_

**CASING RECORD**

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<b>15 1/2</b>	<b>70</b>	<b>10</b>	<b>Second hand</b>	<b>133'</b>	<b>Standard</b>				<b>Shut-off</b>
<b>13 1/2</b>	<b>60</b>	<b>10</b>	<b>"</b>	<b>789'</b>	<b>"</b>				<b>"</b>
<b>10</b>	<b>40</b>	<b>10</b>	<b>"</b>	<b>1295'</b>	<b>"</b>				<b>"</b>
<b>8 5/8</b>	<b>32</b>	<b>10</b>	<b>"</b>	<b>2889'</b>	<b>"</b>				<b>"</b>
<b>7</b>	<b>22</b>	<b>8 round</b>	<b>Youngtown</b>	<b>3658'</b>	<b>Regular</b>				<b>Oil String</b>

**MUDDING AND CEMENTING RECORD**

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<b>17"</b>	<b>15 1/2"</b>	<b>133'</b>	<b>50</b>	<b>Halliburton</b>		
<b>8"</b>	<b>7"</b>	<b>3658</b>	<b>150</b>	<b>"</b>		<b>100 sacks</b>

**PLUGS AND ADAPTERS**

Heaving plug—Material **None** Length \_\_\_\_\_ Depth Set \_\_\_\_\_

Adapters—Material **None** Size \_\_\_\_\_

**RECORD OF SHOOTING OR CHEMICAL TREATMENT**

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
<b>5 1/2"</b>	<b>Atlas</b>	<b>Nitro</b>	<b>410qts.</b>	<b>Jan. 16, '40</b>	<b>3715-3790</b>	<b>3805</b>

Results of shooting or chemical treatment **Increased production from about 100 barrels natural to 300 barrels by swab test.**

**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 \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from **0** feet to **3808** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**PRODUCTION**

Put to producing **January 19,** 19**40**

The production of the first 24 hours was **295** barrels of fluid of which **94** % was oil; **4** % emulsion; **2** % water; and \_\_\_\_\_ % sediment. Gravity, Be **34.8**

If gas well, cu. ft. per 24 hours **No** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. **Not over 25 lbs.**

**EMPLOYEES**

**Charles Quinn** Driller **Thomas Reynolds** Driller

**William Dubois** Driller \_\_\_\_\_ Driller

**FORMATION RECORD ON OTHER SIDE**

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.

Subscribed and sworn to before me this **1st**

February

40

Place \_\_\_\_\_ Date \_\_\_\_\_

FORMATION RECORD

NEW MEXICO  
OIL CONSERVATION COMMISSION

REGISTERED  
FEB 3 1940

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Caliche
20	128	108	Quick Sand
128	335	207	Red rock
335	400	65	Water Sand 2 B. per hour
400	865	465	Red rock
865	890	25	Water Sand 2 B. per hour
890	1010	120	Red rock
1010	1045	35	Water Sand H.F.W.
1045	1170	125	Red Sandy shale
1170	1185	15	Mud-red
1185	1225	40	Red sandy shale
1225	1700	475	Red shale
1700	1735	35	Anhydrite
1735	1750	15	Shale
1750	1770	20	Anhydrite
1770	1785	15	Shale
1785	1825	40	Anhydrite
1825	1910	85	Salt
1910	1978	68	Salt and Anhydrite
1978	2120	142	Salt
2120	2255	135	Potash and Salt
2255	2265	10	Anhydrite
2265	2883	618	Potash & Salt with occasional shale breaks
2883	2894	11	Blue shale-muddy consistency
2894	2925	31	Brown shale
2925	3314	389	Salt with some potash and anhydrite
3314	3425	111	Anhydrite and brown dolomite
3425	3445	20	Brown dolomite
3445	3487	42	Brown and some semi crystalline dolomite-also anhydrite breaks
3487	3632	145	Grey sandy lime with some anhydrite breaks
3632	3650	18	Red sandstone and sandy lime-shaly in spots
3650	3693	43	Grey anhydrite-some red sandstone
3693	3713	20	Red and grey sandy lime
3713	3723	10	Grey sandstone-800 feet oil in hole
3723	3733	10	Grey and reddish sandstone oil increased to 1500 feet in hole
3733	3758	25	Brown dolomite, some grey sandstone and some semi-crystalline dolomite
3758	3763	5	As above with more sandstone (increase in oil)
3763	3775	12	Mostly semi-crystalline dolomite-some grey sandstone-increase in oil
3775	3789	14	Semi crystalline dolomite-considerable increase in oil rose 3000 feet in hole.
3789	3808	19	Semi crystalline dolomite oil stained from 3794-3800- some shale 3800-3805