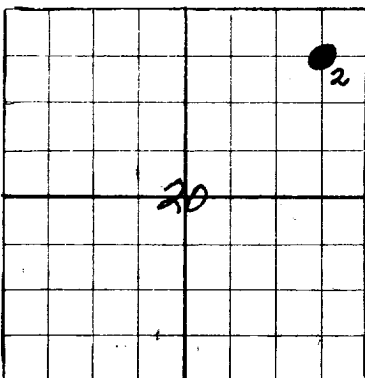


N

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AREA 640 ACRES  
LOCATE WELL CORRECTLY

## WELL RECORD

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 TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

**Shelly Oil Company** **Tulsa, Oklahoma**  
 Company or Operator Address  
**J. G. Johnson** Well No. **2** in **NE NE** of Sec. **20**, T. **23S**  
 Lease  
 R. **27E** N. M. P. M. **Peterson-Shelly** Field, **Lea** County.  
 Well is **640** feet south of the North line and **640** feet west of the East line of **Sec. 20**  
 If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
 If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_  
 If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_  
 The Lessee is **Shelly Oil Company** Address **Tulsa, Oklahoma**  
 Drilling commenced **April 2, 1945** Drilling was completed **June 2, 1945**  
 Name of drilling contractor **A. G. Drilling Co.** Address **Menahans, Texas**  
 Elevation above sea level **3326** feet **Derrick Floor**  
 The information given is to be kept confidential until **No restrictions** 19\_\_\_\_

## OIL SANDS OR ZONES

No. 1, from **3590** to **3595** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from **3600** to **3620** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from **3635** to **3671** 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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<b>13-3/8"</b>	<b>44</b>		<b>SW</b>	<b>227'</b>					
<b>8-5/8"</b>	<b>32</b>	<b>SR</b>	<b>SS</b>	<b>2525'</b>					
<b>7"</b>	<b>20</b>	<b>SR</b>	<b>SS</b>	<b>2767'</b>					
<b>7"</b>	<b>20</b>	<b>SR</b>	<b>IN</b>	<b>335'</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>13-3/8"</b>	<b>254'</b>		<b>255</b>	<b>Halliburton</b>		
<b>8-5/8"</b>	<b>2505'</b>		<b>1200</b>	<b>Halliburton</b>		
<b>7"</b>	<b>3532'</b>		<b>120</b>	<b>Halliburton</b>		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment \_\_\_\_\_

## 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 **3676'** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing **July 1, 1945**  
 The production of the first 24 hours was **642** barrels of fluid of which **100%** was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, Be **36.5**  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

Driller **J. M. Dornell** Driller  
 Driller **C. E. George** 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 **28th**day of **October** 19 **45**

Notary Public

My Commission expires **Dec. 26, 1948****Hobbs, N. M.** **10-25-45**Name **J. G. Johnson**Position **Dist. Supt.**Representing **Shelly Oil Company**

Company or Operator

Address **Drawer "D", Hobbs, N. M.**

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	47	47	Sand & Caliche
47	163	116	Sand & gravel
163	236	73	Sand, gravel & redbed
236	434	218	Redbed - Ran 13-5/8" casing @ 236' set w/ 235 sacks cement
434	1060	606	Redbed, shells, shale
1060	1170	110	Anhydrite & Redbed - Top Anhydrite 1060' Samples
1170	1242	72	Salt & Anhydrite - Top Salt 1170' - Samples
1242	1444	202	Anhydrite, salt & Redbed
1444	2075	631	Salt & Potash
2075	2384	309	Anhydrite, salt & shells - Base Salt 2384' Samples
2384	2429	45	Anhydrite & Gyp
2429	2505	76	Anhydrite - Ran 8-5/8" casing to 2505' set w/ 1200 sacks cement
2505	2540	35	Anhydrite & lime - encountered gas 2520-25
2540	2580	40	Sand - Top Yates 2540' - Samples
2580	2705	125	Lime & Anhydrite Top Yates 2580' - Samples
2705	2758	53	Sandy lime
2758	2115	357	Lime & Anhydrite
2115	3290	175	Lime, hard
3290	3390	100	Lime - Top Queens 3290' - Samples
3390	3444	54	Dolomite - Top Sandy #1 3390' - Samples
			Gas encountered at 3390-35 still causing trouble, attempted to squeeze off gas but un- able to do so; we resumed drilling
3444	3472	28	Dolomite - Took DST #2 3444 to 3472
3472	3490	18	Gauged 120,000 cu. ft. sweet dry gas, no oil
3490	3505	15	Core #1 - Dolomite - No shows
			Core #2 - Dolomite 3502-3503 - Brown Sand very small show free oil
3505	3520	15	Core #3 Dolomite - 3515 to 3517; Dolomite with trace porosity, slightly bleed- ing oil
3520	3560	30	GEOLOGICAL TOP GRAYBURG 3515' Dolomite - Took DST #2 3470 to 3560 - No shows
3560	3590	30	Dolomite
3590	3595	5	Dolomite
3595	3600	5	Dolomite
3600	3620	20	Dolomite
3620	3662	42	Dolomite
3662	3676	14	Core #4 - Dolomite
3676	TOTAL DEPTH		3662 - 3676 - Show free oil & gas Took DST #3 - 3585 to 3676 First five min. strong air blow - next 45 min. flowed sour gas w/ maximum measurement 245,000 cu. ft. PD dropping to 30,000 cu. ft. PD when started flowing oil cut mud at end of 50 min. test. Flowed cut oil & mud 5 min. then started flowing pipe line oil. Just before completing DST turned into test tank and flowed 42 gal. pipe line oil in 2 min. or at rate of 30 bbls. per hour. No water. Pulled drill pipe & ran Schlumberger. Then ran 7" casing string & cemented at 3582' w/ 120 sacks cement. Let stand 72 hours then drilled plug. Tested O.K. Ran 8" NWE Tubing to 3639' perf. 3634'. Production on first 24 hour test was 648 bbls Pipe Line Oil.

3515  
3222  
159