



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 TRIPLICATE.

Cities Service Oil Company, Drawer G, Hobbs, New Mexico Address  
Owen Lease Well No. 8 in 35 of Sec. 35 T. 21 S. R. 37 E N. M. P. M. Drinkard Field, Lea County.  
Well is 660 feet south of the North line and 1930 feet west of the East line of 33 quarter section  
If State land the oil and gas lease is No. --- Assignment No. ---  
If patented land the owner is Mark Owen Address Dunlap, New Mexico  
If Government land the permittee is --- Address ---  
The Lessee is Cities Service Oil Company Address Bartlesville, Oklahoma  
Drilling commenced 10-31-46 19 Drilling was completed 12/14 1946  
Name of drilling contractor Two States Drilling Co. Address Dallas, Texas  
Elevation above sea level at top of casing 3375 feet.  
The information given is to be kept confidential until 19 ---

OIL SANDS OR ZONES

No. 1, from 3115 to 5230 No. 4, from --- to ---  
No. 2, from 6430 to 6525 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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
13 3/8"	367		S. V.	320	None			
8 5/8"	325	6VT		2791	Baker			
5 1/2"	147	415.50 SRT	J. 55	6415	Baker	Triplex		
2"	4.97	SRT	H-40	6510				

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 1/4"	13 3/8"	334	215	Aug	---	---
12 1/4"	8 5/8"	2804	1500	"	---	---
7 3/8"	5 1/2"	6425	550	"	---	---

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
Cal.			3,000	12/15/46	6450' to 6525'	

Results of shooting or chemical treatment. Flowed 56.42 barrel of oil in 1st hour after cleaning up in pits; 931.44 barrel in 24 hours; 42/64" choke; GOR 537.

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 6525 feet, and from --- feet to --- feet  
Cable tools were used from --- feet to --- feet, and from --- feet to --- feet

PRODUCTION

Put to producing December 15, 1946  
The production of the first 24 hours was 931.44 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be. 40.6  
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 ---, Driller  
---, 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 16th day of December, 1946  
Notary Public  
My Commission expires 3/12/47

Hobbs, New Mexico 12/16/46  
Place Date  
Name [Signature]  
Position Dist. Supt.  
Representing Cities Service Oil Co.  
Address Drawer G, Hobbs, New Mexico

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	40	40	Surface Sand & Caliche
40	945	905	Red Bed
945	1127	182	Red Bed & Red Rock
1127	1250	123	Anhydrite
1250	1350	100	Anhydrite & Salt Streaks
1350	1495	145	Salt & Shells
1495	2572	1077	Anhydrite & Salt
2572	2808	236	Anhydrite & Gyp
2808	2820	12	Lime
2820	2852	32	Anhydrite & Gyp
2852	2910	58	Lime & Gyp
2910	3371	1461	Anhydrite
3371	4002	631	Lime
4002	4102	100	Sandy Lime
4102	4545	443	Sand & Lime
4545	6525	1980	Lime
Total Depth 6525'			
			<u>TOPS</u>
			Anhydrite 1180'
			Yates 2530'
			San Andres 3890'
			Glorietta 5115'
			Top Pay 6430'
			<u>DRILL STEM TESTS:</u>
			Drill Stem Test #1: Tested 5180' to 5220'. Tool open @ 3.25; gas to surface in 60 min. Small blow throughout test. Closed after 2 hours for 15 minutes, build up. Recovered 283' fluid; 30' mud; 175' of oil & gas cut mud; 20' of free oil; no water. Flowing pressures were too low to interpret.
			Drill Stem Test #2: Tested from 6425' to 6457'. Tool open 2 hours and closed in for 15 minutes. Well did not flow. Gas volume varied from 107,000 cu. ft./dg. to practically no blow. Recovered 60' of oil & gas cut mud; 750' of oil & gas unloaded; 450' of oil slightly cut with gas & mud. IFPO#; FFP 475#; BUP 1150#; MCP 3400#.
			December 12, 1946. Ran Schlumberger and logged to total depth.