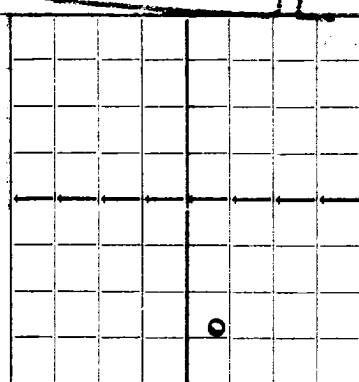


DUPLICATE  
FORM C-103  
N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED  
JAN 30 1947  
RECEIVED  
HOBBS OFFICE



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 Hobbs, New Mexico  
Company or Operator Address  
Owen Well No. 4 in SWSE of Sec. 35, T. 21S  
Lease  
R. 37E N. M. P. M., Paddock Lea County.  
Well is 1930 feet south of the North line and 2040 feet west of the East line of SE 1/4 Section  
If State land the oil and gas lease is No. --- Assignment No. ---  
If patented land the owner is Mark Owen Address Eunice, New Mexico  
If Government land the permittee is --- Address ---  
The Lessee is Cities Service Oil Company Address Bartlesville, Oklahoma  
Drilling commenced December 19, 1946 Drilling was completed January 16, 1947  
Name of drilling contractor Two States Drilling Co. Address Dallas 1, Texas  
Elevation above sea level at top of casing 3370' feet.  
The information given is to be kept confidential until --- 19 ---

OIL SANDS OR ZONES

No. 1, from 5103' to 5163' No. 4, from --- to ---  
No. 2, from 5163' to 5195' 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"	36#		Armco	278'				
8 5/8"	32#	8V	SS	2802'	Baker			
5 1/2"	14#	8R	J55	5094'	Baker Triplex			
2"	4.7#	8R		5186'	(Including subs)			

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"	296'	250	Plug		
12 1/4"	8 5/8"	2814'	500	Plug		
7 3/8"	5 1/2"	5105'	250	Plug		

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
5000 gal					5105 -5195'	

Results of shooting or chemical treatment 189 barrel in 7 hours through 1/2" choke. G.O.R. 728

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 5195' feet, and from --- feet to --- feet  
Cable tools were used from --- feet to --- feet, and from --- feet to --- feet

PRODUCTION

Put to producing January 16, 1947  
The production of the first 24 hours was 189 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be 34 degrees  
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 29th Hobbs, New Mexico, January 29, 1947  
day of January, 1947 Name [Signature] District Superintendent  
Position District Superintendent

# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	45	45	Surface Soil and Caliche
45	305	260	Caliche & Sand
305	1253	948	Red Rock
1253	1274	21	Red Rock, Anhydrite & Shells
1274	2440	1166	Anhydrite & Salt
2440	2770	330	Anhydrite & Gypsum
2770	2820	50	Anhydrite
2820	2969	149	Anhydrite & Gypsum
2969	3538	569	Anhydrite
3538	3590	52	Lime
3590	3663	73	Anhydrite
3663	4237	574	Lime
4237	4317	80	Sand & Lime
4317	4643	326	Lime
4643	4701	58	Sandy Lime
4701	5008	307	Lime
5008	5052	44	Lime & Gypsum
5052	5195	143	Lime

Total Depth 5195' SLM

## TOPS

Base Salt	2390'
Yates	2490'
San Andres	3852'
San Angelo Dense	5053'
Glorietta	5095'
Top Pay Zone #1 Paddock	5103' - 5163'
Top Pay Zone #2 Paddock	5163' - 5195'

D. S. T. #1: 5100' to 5165'. Tool open 2 hours. Gas to surface in 20 minutes. Gas volume reached 22 M.C.F. in 1 hour; 34.4 M.C.F. in 1 hour and 30 minutes; 24.9 M.C.F. end of 2 hours; did not flow. Recovered 1800' of oil; 90' of oil and gas cut mud; 30' mud. I.F.P. 200#; F.E.P. 375#; B.U.P. failed; M.C.P. 2350#.

D. S. T. #2: 5162' to 5195'. Gas volume 2.2 M.C.F. constant flow. Recovered 180' of oil and gas cut mud. Flowing and B.U.P. recorded 0#. M.C.P. 2350#.