



AREA 640 ACRES  
LOCATE WELL CORRECTLY

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## 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 QUINTUPLICATE.

Cities Service Oil Company

(Company or Operator)

State "AG"

(Lease)

Well No. 1, in SE  $\frac{1}{4}$  of SE  $\frac{1}{4}$  of Sec. 9, T. 15S, R. 33E, NMPM.

Saunders

Pool,

Lea

County.

Well is 660 feet from East line and 4620 feet from North line

of Section 9-15S-33E. If State Land the Oil and Gas Lease No. is Unknown

Drilling Commenced October 31, 19 52 Drilling was Completed January 22, 19 53

Name of Drilling Contractor J. C. Crain Drilling Company

Address 1303 16th Street, Eunice, New Mexico

Elevation above sea level at Top of Tubing Head 4200' DF

The information given is to be kept confidential until

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### OIL SANDS OR ZONES

No. 1, from <u>9883'</u> to <u>9896'</u>	No. 4, from <u>9994'</u> to <u>9997'</u>
<u>9915'</u> to <u>9922'</u>	<u>9999'</u> to <u>10,001'</u>
No. 2, from <u>-</u> to <u>-</u>	No. 5, from <u>-</u> to <u>-</u>
No. 3, from <u>9988'</u> to <u>9992'</u>	No. 6, from <u>10,003'</u> to <u>10,007'</u>

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>-</u> to <u>-</u> feet.	<u>-</u>
No. 2, from <u>-</u> to <u>-</u> feet.	<u>-</u>
No. 3, from <u>-</u> to <u>-</u> feet.	<u>-</u>
No. 4, from <u>-</u> to <u>-</u> feet.	<u>-</u>

### CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	48#	New	329.83'	Larkin	-	-	-
8 5/8"	24# 32#	New	4262'	Baker	-	-	-
5 1/2"	15.5# 17#	New	10,064.02'	Weatherford	-	4 jet shots per ft. as follows: 9883-9896, 9915-9922, 9988-9892, 9994-9997, 9999-10,001', 10,003'-10,007'	Oil Prod.

### 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"	3461	325	Plug	-	-
11"	8 5/8"	4276'	2335	Plug	-	-
7 7/8"	5 1/2"	10,076'	550	Plug	-	-

### RECORD OF PRODUCTION AND STIMULATION

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

On 1-29-53 and 1-30-53 this well was acidized as follows: 1000 gal acid on perforations at 9988' to 10,007' and 1500 gal acid on perforations at 9883' to 9922'. On 2-4-53 this well was acidized with 2000 gal on perforation 9883' to 9922'. On 2-6-53 this well was acidized with 2000 gal on perforations at 9883' to 9922'.

Result of Production Stimulation Result of acidizing on 1-29 and 30, 1953 swabbed 50 bbl oil acid water emulsion around 10% oil at first to 20% in first 28 hours. Results of acidizing on 2-4-53 swabbed 115.53 water flush and acid water 1st 11 hours and 7.49 bbls oil and 5.95 bbls water next 4 hours. Results of acidizing on 2-6-53 swabbed 72.90 bbls acid and water flush 1st 6 hrs. 25.5 bbls oil and 76.5 water next 11 hours. Depth Cleaned Out -

# RD 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 10,078 feet, and from - feet to - feet.  
Cable tools were used from - feet to - feet, and from - feet to - feet.

## PRODUCTION

**Potential Test**  
Put to ~~test~~ 3-4, 19 53  
**Potential Test**  
OIL WELL: The production during the first 24 hours was 202 barrels of liquid of which 20.3 % was oil; - % was emulsion; 79.7 % water; and - % was sediment. A.P.I. Gravity 38.6 deg.  
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.....	1533'	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....		T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....		T. Montoya.....	T. Farmington.....
T. Yates.....	2680'	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.....	4245'	T. Granite.....	T. Dakota.....
T. Glorieta.....		T. ....	T. Morrison.....
T. Drinkard.....		T. ....	T. Penn.....
T. <del>xxx</del> Fullerton.....	7072'	T. ....	T. ....
T. Abo.....	7810'	T. ....	T. ....
T. <del>xxx</del> Hueco.....	9223'	T. ....	T. ....
T. <del>xxx</del> Saunders Line.....	9852'	T. ....	T. ....

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	140	140	Surface Sand & Caliche	8745	8775	30	Lime and shale
140	160	20	Sand & shells	8775	8848	73	Lime
160	290	130	Red Rock	8848	8890	42	Lime and shale
290	348	58	Red Bed	8890	8939	49	Lime
348	1571	1223	Red Bed & shells	8939	8949	10	Lime and shale
1571	1635	64	Anhydrite	8949	9297	348	Lime
1635	2210	575	Salt & Anhydrite	9297	9310	13	Lime and chert
2210	2370	160	Salt & shells	9310	9342	32	Lime
2370	2410	40	Anhydrite & Gyp	9342	9372	30	Lime and shale
2410	2734	324	Anhydrite & salt	9372	9391	19	Lime
2734	2775	41	Anhydrite & gyp	9391	9453	62	Lime and chert
2775	2957	182	Anhydrite	9453	9521	68	Lime
2957	2984	27	Anhydrite & lime	9521	9592	71	Lime and chert
2984	3114	130	Anhydrite & gyp	9592	9642	50	Lime
3114	3172	58	Anhydrite, gyp & lime	9642	9702	60	Lime and chert
3172	3229	57	Gyp	9702	9752	50	Lime and shale
3229	4153	924	Anhydrite & gyp	9752	9786	34	Lime
4153	4183	30	Anhydrite, li e & gyp	9786	9805	19	Lime and shale
4183	4208	25	Anhydrite & shale	9805	10078	273	Lime
4208	4263	55	Anhydrite & gyp				
4263	4276	13	Anhydrite & lime				
4276	5112	836	Lime and dolomite				
5112	7790	2678	Lime				
7790	8237	447	Shale and lime				
8237	8745	508	Lime				

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.

March 5, 1953

(Date)

Company or Operator Cities Service Oil Company

Address Box 97, Hobbs, New Mexico

Name Charles M. H. H. H.

Position or Title District Superintendent