

LOCATE WELL CORRECTLY

U. S. LAND OFFICE **New Mex.co**
SERIAL NUMBER **NM02419**
LEASE OR PERMIT TO PROSPECT
Government "D"
ATES **Cities Service Oil Co.**

UNITED STATES **Title**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Cities Service Oil Company Address Box 97, Hobbs, New Mexico
 Lessor or Tract Government "D" Field (Dricke - Queen) (Ext) State New Mexico
 Well No. 1 Sec. 33 T. 13S R. 31E Meridian NMPM County Chaves
 Location 1980 ft. EX of N Line and 660 ft. EX of E Line of 33-13S-31E Elevation 4225 (DF)
S. W.

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed *[Signature]*
Date 4-14-55 Title Dist. Supt.

The summary on this page is for the condition of the well at above date

Commenced drilling 3-18, 19 55 Finished drilling 4-4, 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2910 to 2924 No. 4, from - to -
 No. 2, from - to - No. 5, from - to -
 No. 3, from - to - No. 6, from - to -

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	173'	125	Plug	-	-
5 1/2	2867	300	Plug	-	-

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
This well was sandfraced with 8000 gals. & 4000# sand, maximum pressure 2450# at 12 barrels per minute. FTP 16#, FCP 480#, gravity 37.0, COR 21,500 cu. ft. per barrel.						

TOOLS USED

Rotary tools were used from 0 feet to 314.7 feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

DATES

-----4-14-----, 19 55 Put to producing -----4-11-----, 19 55

The production for the first 24 hours was 95.5 barrels of fluid of which 99.8% was oil; .2% emulsion; —% water; and —% sediment. Gravity. °Bé. 37.0

If gas well, cu. ft. per 24 hours ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. -----●-----

EMPLOYEES

Mr. Davis, Driller **Mr. Cray**, Driller
Mr. Hoover, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	60	60	Surface soil, sand and caliche
60	450	390	Redbed
450	1095	645	Shale
1095	1295	200	Shale and shells
1295	1740	445	Salt and anhydrite
1740	1985	245	Salt and shale
1985	2180	195	Shale
2180	2260	80	Salt and shale
2260	2575	315	Shells and shale
2575	2810	235	Anhydrite and shale
2810	2828	18	Sand (Queen)
2828	3147	319	Shale, anhydrite—some sand and salt
			<u>Formation</u> <u>Tops</u>
			Yates 2059'
			Queen 2810'

[OVER]

16-42094-2

FOIA(b)(7) - RECORD - CONFIDENTIAL

HISTORY OF OIL ON GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

[illegible]