

Las Cruces

U. S. LAND OFFICE
SERIAL NUMBER LC 068474

LEASE OR PERMIT TO PROSPECT

UNITED STATES Cities Service Oil Co.

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Company Cities Service Oil Company Address Box 97, Hobbs, New Mexico
Lessor or Tract Government "B" Field Drickey-Queen State New Mexico
Well No. 16 Sec. 3 T. 14 R. 31 Meridian MPM County Chaves
Location 1989.5 ft. N. of N. Line and 1980 ft. E. of N. Line of Sec. 3-14-31 Elevation 4429

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.

Date October 29, 1954

Signed _____ Title Asst. Division Supt.

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

Commenced drilling ----- **October 3** -----, 19- **54** Finished drilling **October 19** ----- 19 **54**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3014 to 3062 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
MARK	8	5/8	363	200	Plug		
	5	1/2	3037	300	Plug	9.6	1 1/2 ahead of cement

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 neither shot nor acidized.					

TOOLS USED

Rotary tools were used from 0 feet to 3037 feet, and from 3037 feet to 3052 feet
Cable tools were used from 3037 feet to 3052 feet, and from 3052 feet to 3065 feet

306 DATES

-----, 19----- Put to producing -----, 19-----
 The production for the first 24 ⁵⁴ hours was ----- barrels of fluid of which ----- % was oil. ⁵⁴ %

emulsion; -----% water; and -----% sediment. **133** Gravity, °Bé. 99.8 0.2

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

John O'Brien	Driller	L. G. Hoover	Driller
Mr. Davis	Driller		Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	255	255	Surface Soil, Caliche, Shale
255	373	118	Red Bed
373	562	189	Shale
562	1004	442	Red Bed
1004	1180	176	Shale
1180	1315	135	Shale & Shells
1315	1440	125	Anhydrite
1440	1565	125	Shale & Shells
1565	1760	195	Anhydrite & Salt.
1760	2150	390	Salt
2150	2175	25	Anhydrite
2175	2300	125	Salt & Anhydrite
2300	2540	240	Shale, Shells & Anhydrite
2540	2850	310	Shale & Anhydrite
2850	3044	194	Anhydrite
3044	3062	18	Sand

FORMATION TOPS	
Yates	2099'
Queen	3044'

