

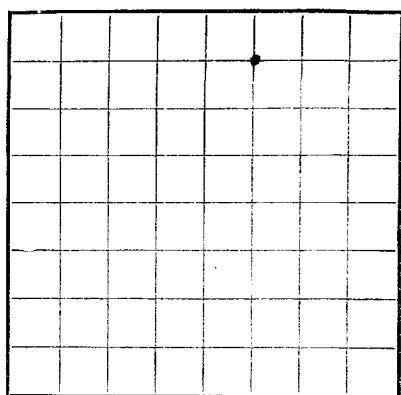
U. S. LAND OFFICE **Las Cruces**  
SERIAL NUMBER **LC 068474**

LEASE OR PERMIT TO PROSPECT -----  
Government "B"

UNITED STATES Cities Service Oil Co.

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



# LOG OF OIL OR GAS WELL

## 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. 20 Sec. 3 T. 14S R. 31E Meridian NMPM County Chaves  
 Location 664.75 ft. N of N Line and 1980 ft. NE of E Line of 3-14S-31E Elevation 4424 DF

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

Date **November 24, 1954**

Title Asst. Division Supt.

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

Commenced drilling November 3, 1954 Finished drilling November 20, 1954

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by  $G$ )

No. 1, from <u>3042</u>	to <u>3053 1/2</u>	No. 4, from <u>-</u>	to <u>-</u>
No. 2, from <u>-</u>	to <u>-</u>	No. 5, from <u>-</u>	to <u>-</u>
No. 3, from <u>-</u>	to <u>-</u>	No. 6, from <u>-</u>	to <u>-</u>

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	22.7	SW SJ	Armco	280	Armco				Surface
5 1/2	14	8R	J-55	3050	Baker		3041g	3053g	Oil string

## MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8	5/8	291	150	Plug	-	-
5	1/2	3057	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 not shot.				

## TOOLS USED

Rotary tools were used from -0- feet to 3080 feet, and from - feet to - feet.  
Cable tools were used from - feet to - feet, and from - feet to - feet.

## DATES

November 24, 1954 Put to producing November 22, 1954  
 The production for the first 24 hours was 506 barrels of fluid of which 99.7% was oil; .3% emulsion; 0% water; and 0% sediment.  
 Gravity, °Bé. 37 deg at 60 deg

If gas well, cu. ft. per 24 hours ----- Gallons gasoline per 1,000 cu. ft. of gas -----  
 Rock pressure, lbs. per sq. in. -----

## EMPLOYEES

----- <u>Mr. O'Brien</u> -----, Driller	----- <u>Jim Campbell</u> -----, Driller
----- <u>Thurman Davis</u> -----, Driller	-----, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	230	230	Surface soil, sand & gravel
230	293	63	Red Bed
293	1300	1007	Shale
1300	1430	130	Shale & shells
1430	1675	245	Shale & Anhydrite
1675	1855	180	Salt & Anhydrite
1855	1995	140	Salt & Shells
1995	2170	175	Salt & anhydrite
2170	2315	145	Shale & anhydrite
2315	2510	195	Shale & shells
2510	2710	200	Anhydrite
2710	2975	265	Anhydrite & shale
2975	3005	30	Anhydrite
3005	3057	52	Anhydrite & shale
3057	3080	23	Queen Sand
			<u>Formation Tops</u>
			Anhydrite 1410
			Yates 2284
			Queen 3042
			T.D. 3080
			P.B. 3055

**FORMATION RECORD—Continued**[illegible]

### HISTORY OF OIL OR GAS WELL

**It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, 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.**

1. *Phragmites australis* (Cav.) Trin. ex Steud.

**NO CONFLICT OF INTEREST STATEMENT**

PROFESSOR BRADLEY

DEVELOPMENT OF THE PROGRAM

## IMPROVED GLYCOLS

1. *Pharmaceuticals* (1997) 10, 11.

2003 年 12 月 10 日 星期五

[illegible]

7. *Environ Monit Assess* (2007) 126:1–12.  
 8. *Environ Monit Assess* (2007) 126:1–12.