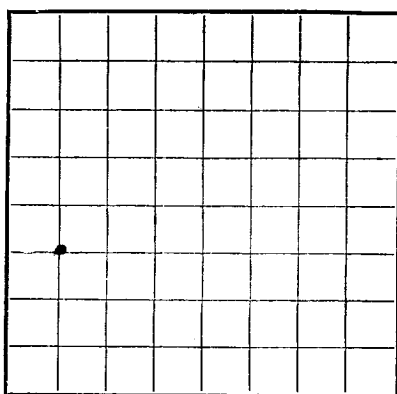




LOCATE WELL CORRECTLY

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

Company **Cities Service Oil Company** Address **Box 97, Hobbs, New Mexico**
Lessor or Tract **Government "B"** Field **Driekey-Queen** State **New Mexico**
Well No. **21** Sec. **3** T. **14** R. **31** Meridian **NMPM** County **Chaves**
Location **1980** ft. **N.** of **S** Line and **640** ft. **E.** of **W** Line of **3-14S-31E** Elevation **4277** (DF)
(Derrick floor relative to sea level)

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 **December 14, 1954** Title **Asst. Division Supt.**

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

Commenced drilling **November 18**, 19**54** Finished drilling **November 27**, 19**54**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2881** to **2895** 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

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	160	Armco	-	-	-	Surface
5 1/2	14	SW SJ	Armco	2874.6	Baker	-	-	-	Oil string
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	170	100	Plug	-	-
5 1/2	2880	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 **2880** feet, and from **-** feet to **-** feet
Cable tools were used from **2880** feet to **2895** feet, and from **-** feet to **-** feet

DATES

December 14, 19**54** Put to producing **December 12**, 19**54**

The production for the first 24 hours was **166.7** barrels of fluid of which **99.8** % was oil; **.2** % emulsion; **-** % water; and **-** % sediment. Gravity, °Bé. **37.2**

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

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

EMPLOYEES

Mr. Shelton, Driller **Mr. Henderson**, Driller
Mr. Gentry, Driller **-**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	55	55	Surface soil, caliche, sand & gravel
55	1210	1155	Red Bed
1210	1280	70	Anhydrite
1280	1819	539	Salt
1819	2203	384	Anhydrite and salt streaks
2203	2455	252	Anhydrite
2455	2523	68	Anhydrite and shale
2523	2881	358	Anhydrite
2881	2895	14	Queen Sand
Formation Tops			
Yates	2129'		
Queen	2881'		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOLOGICAL SURVEY

TOG OF OIL OR GAS WELL

I LOCATE WELL CORRECTLY

[illegible]

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 _____

Location of _____ of _____ Line and _____ of _____

Well No. _____ Sec. _____ T. _____ S. _____ R. _____

Factor or Trend _____

County _____ State _____ Field _____

Address _____

The accuracy of this page is for the condition of the work as shown.

OIL OR GAS SANDS OF NORTH

(b) (5) - DPP

1. Total amount of cash received	100%	100%
2. Less: Cash received from the sale of the property	100%	100%
3. Total amount of cash received	100%	100%

REPORT AND WATER

(a) $\text{log}(1 + \beta) \leq \text{log}(1 + \beta^2)$ $\Rightarrow$ $\beta \leq \beta^2$ $\Rightarrow$ $\beta \geq 1$ $\Rightarrow$ $\beta \geq \beta^2$
 (b) $\text{log}(1 + \beta) \geq \text{log}(1 + \beta^2)$ $\Rightarrow$ $\beta \geq \beta^2$ $\Rightarrow$ $\beta \leq 1$ $\Rightarrow$ $\beta \leq \beta^2$

UNION OF SOVIET REPUBLICS

[illegible]

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.

HISTORY OF OIL OR GAS WELL

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