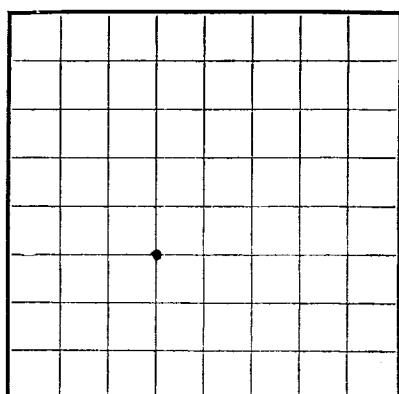




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **LC 068474**LEASE OR PERMIT TO PROSPECT **Government**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 **Dickey-Cusen** State **New Mexico**
Well No. **15** Sec. **3** T. **14S** R. **31E** Meridian **NMPM** County **Chaves**
Location **1980** ft. **(N.)** of **S** Line and **1980** ft. **(E.)** of **E** Line of **Sec. 3-14-31** Elevation **4434' (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

Date **October 20, 1954**Title **Asst. Division Supt.**

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

Commenced drilling **September 19**, 19 **54** Finished drilling **October 9**, 19 **54**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3045** 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	24#	8	J-55	346.73	Armo	-	-	-	Surface
5 1/2	14#	8	J-55	3018.02	Baker	-	-	-	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	357.73	200	Plug		
5 1/2	3042.82	300	Plug	9.5	Mud 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 **3043** feet, and from **-** feet to **-** feet
Cable tools were used from **3043** feet to **3062** feet, and from **-** feet to **-** feet

DATES

October 20, 19**54** Put to producing **October 16**, 19**54**

The production for the first 24 hours was **292.4** barrels of fluid of which **99.8** % was oil; **0.2** % emulsion; **-** % water; and **-** % 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

M. H. Moore, Driller **John O'Brien**, Driller
Tom Bradshaw, Driller **-**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	250	250	Surface soil, caliche, shale
250	790	540	Red bed
790	1515	725	Shale and shells
1515	1882	367	Salt
1882	2060	178	Salt and shells
2060	2303	243	Shale and shells
2303	2385	82	Shale
2385	2645	260	Shale and shells
2645	2675	30	Shale
2675	2855	180	Shale and shells
2855	3045	190	Anhydrite
3045	3062	17	Sand
			Formation Tops
		Yates	2310'
		Queen	3045'

FROM

TO

TOTAL FEET [OVER]

FORMATION

16-43094-2

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET (OVER)	FORMATION
0	250	250	Unconsolidated, silty, yellowish sand
250	300	300	Red bed
300	350	350	Thin bedded sandstone
350	400	400	Silt
400	450	450	Silt and sandstone
450	500	500	Thin bedded sandstone
500	550	550	Silt
550	600	600	Thin bedded sandstone
600	650	650	Silt
650	700	700	Thin bedded sandstone
700	750	750	Silt
750	800	800	Thin bedded sandstone
800	850	850	Silt
850	900	900	Thin bedded sandstone
900	950	950	Silt
950	1000	1000	Thin bedded sandstone
1000	1050	1050	Silt
1050	1100	1100	Thin bedded sandstone
1100	1150	1150	Silt
1150	1200	1200	Thin bedded sandstone
1200	1250	1250	Silt
1250	1300	1300	Thin bedded sandstone
1300	1350	1350	Silt
1350	1400	1400	Thin bedded sandstone
1400	1450	1450	Silt
1450	1500	1500	Thin bedded sandstone
1500	1550	1550	Silt
1550	1600	1600	Thin bedded sandstone
1600	1650	1650	Silt
1650	1700	1700	Thin bedded sandstone
1700	1750	1750	Silt
1750	1800	1800	Thin bedded sandstone
1800	1850	1850	Silt
1850	1900	1900	Thin bedded sandstone
1900	1950	1950	Silt
1950	2000	2000	Thin bedded sandstone
2000	2050	2050	Silt
2050	2100	2100	Thin bedded sandstone
2100	2150	2150	Silt
2150	2200	2200	Thin bedded sandstone
2200	2250	2250	Silt
2250	2300	2300	Thin bedded sandstone
2300	2350	2350	Silt
2350	2400	2400	Thin bedded sandstone
2400	2450	2450	Silt
2450	2500	2500	Thin bedded sandstone
2500	2550	2550	Silt
2550	2600	2600	Thin bedded sandstone
2600	2650	2650	Silt
2650	2700	2700	Thin bedded sandstone
2700	2750	2750	Silt
2750	2800	2800	Thin bedded sandstone
2800	2850	2850	Silt
2850	2900	2900	Thin bedded sandstone
2900	2950	2950	Silt
2950	3000	3000	Thin bedded sandstone
3000	3050	3050	Silt
3050	3100	3100	Thin bedded sandstone
3100	3150	3150	Silt
3150	3200	3200	Thin bedded sandstone
3200	3250	3250	Silt
3250	3300	3300	Thin bedded sandstone
3300	3350	3350	Silt
3350	3400	3400	Thin bedded sandstone
3400	3450	3450	Silt
3450	3500	3500	Thin bedded sandstone
3500	3550	3550	Silt
3550	3600	3600	Thin bedded sandstone
3600	3650	3650	Silt
3650	3700	3700	Thin bedded sandstone
3700	3750	3750	Silt
3750	3800	3800	Thin bedded sandstone
3800	3850	3850	Silt
3850	3900	3900	Thin bedded sandstone
3900	3950	3950	Silt
3950	4000	4000	Thin bedded sandstone
4000	4050	4050	Silt
4050	4100	4100	Thin bedded sandstone
4100	4150	4150	Silt
4150	4200	4200	Thin bedded sandstone
4200	4250	4250	Silt
4250	4300	4300	Thin bedded sandstone
4300	4350	4350	Silt
4350	4400	4400	Thin bedded sandstone
4400	4450	4450	Silt
4450	4500	4500	Thin bedded sandstone
4500	4550	4550	Silt
4550	4600	4600	Thin bedded sandstone
4600	4650	4650	Silt
4650	4700	4700	Thin bedded sandstone
4700	4750	4750	Silt
4750	4800	4800	Thin bedded sandstone
4800	4850	4850	Silt
4850	4900	4900	Thin bedded sandstone
4900	4950	4950	Silt
4950	5000	5000	Thin bedded sandstone
5000	5050	5050	Silt
5050	5100	5100	Thin bedded sandstone
5100	5150	5150	Silt
5150	5200	5200	Thin bedded sandstone
5200	5250	5250	Silt
5250	5300	5300	Thin bedded sandstone
5300	5350	5350	Silt
5350	5400	5400	Thin bedded sandstone
5400	5450	5450	Silt
5450	5500	5500	Thin bedded sandstone
5500	5550	5550	Silt
5550	5600	5600	Thin bedded sandstone
5600	5650	5650	Silt
5650	5700	5700	Thin bedded sandstone
5700	5750	5750	Silt
5750	5800	5800	Thin bedded sandstone
5800	5850	5850	Silt
5850	5900	5900	Thin bedded sandstone
5900	5950	5950	Silt
5950	6000	6000	Thin bedded sandstone
6000	6050	6050	Silt
6050	6100	6100	Thin bedded sandstone
6100	6150	6150	Silt
6150	6200	6200	Thin bedded sandstone
6200	6250	6250	Silt
6250	6300	6300	Thin bedded sandstone
6300	6350	6350	Silt
6350	6400	6400	Thin bedded sandstone
6400	6450	6450	Silt
6450	6500	6500	Thin bedded sandstone
6500	6550	6550	Silt
6550	6600	6600	Thin bedded sandstone
6600	6650	6650	Silt
6650	6700	6700	Thin bedded sandstone
6700	6750	6750	Silt
6750	6800	6800	Thin bedded sandstone
6800	6850	6850	Silt
6850	6900	6900	Thin bedded sandstone
6900	6950	6950	Silt
6950	7000	7000	Thin bedded sandstone
7000	7050	7050	Silt
7050	7100	7100	Thin bedded sandstone
7100	7150	7150	Silt
7150	7200	7200	Thin bedded sandstone
7200	7250	7250	Silt
7250	7300	7300	Thin bedded sandstone
7300	7350	7350	Silt
7350	7400	7400	Thin bedded sandstone
7400	7450	7450	Silt
7450	7500	7500	Thin bedded sandstone
7500	7550	7550	Silt
7550	7600	7600	Thin bedded sandstone
7600	7650	7650	Silt
7650	7700	7700	Thin bedded sandstone
7700	7750	7750	Silt
7750	7800	7800	Thin bedded sandstone
7800	7850	7850	Silt
7850	7900	7900	Thin bedded sandstone
7900	7950	7950	Silt
7950	8000	8000	Thin bedded sandstone
8000	8050	8050	Silt
8050	8100	8100	Thin bedded sandstone
8100	8150	8150	Silt
8150	8200	8200	Thin bedded sandstone
8200	8250	8250	Silt
8250	8300	8300	Thin bedded sandstone
8300	8350	8350	Silt
8350	8400	8400	Thin bedded sandstone
8400	8450	8450	Silt
8450	8500	8500	Thin bedded sandstone
8500	8550	8550	Silt
8550	8600	8600	Thin bedded sandstone
8600	8650	8650	Silt
8650	8700	8700	Thin bedded sandstone
8700	8750	8750	Silt
8750	8800	8800	Thin bedded sandstone
8800	8850	8850	Silt
8850	8900	8900	Thin bedded sandstone
8900	8950	8950	Silt
8950	9000	9000	Thin bedded sandstone
9000	9050	9050	Silt
9050	9100	9100	Thin bedded sandstone
9100	9150	9150	Silt
9150	9200	9200	Thin bedded sandstone
9200	9250	9250	Silt
9250	9300	9300	Thin bedded sandstone
9300	9350	9350	Silt
9350	9400	9400	Thin bedded sandstone
9400	9450	9450	Silt
9450	9500	9500	Thin bedded sandstone
9500	9550	9550	Silt
9550	9600	9600	Thin bedded sandstone
9600	9650	9650	Silt
9650	9700	9700	Thin bedded sandstone
9700	9750	9750	Silt
9750	9800	9800	Thin bedded sandstone
9800	9850	9850	Silt
9850	9900	9900	Thin bedded sandstone
9900	9950	9950	Silt
9950	10000	10000	Thin bedded sandstone

LOG—WELL

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 the kind of material used, position, and results of pumping or pulling.

CASING RECORD

Casing	Size	Weight per foot	Length	Make	Amount	Kind of shoe	Out and pulled from	Perforated	Purpose		
No. 1	from	to	No. 2	from	to	No. 3	from	to	No. 4	from	to

IMPORTANT WATER SAMPLING

No. 1	from	to	No. 2	from	to	No. 3	from	to	No. 4	from	to
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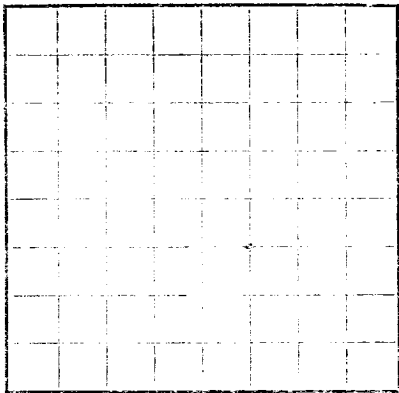
OIL OR GAS SANDS OR ZONES

No. 1	from	to	No. 2	from	to	No. 3	from	to	No. 4	from	to
-------	------	----	-------	------	----	-------	------	----	-------	------	----

Completed drilling _____ 19____
The summary on this page is for the condition of the well as above data.

Date _____
Signed _____
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.

Location _____
Well No. _____
Section _____
T. _____
R. _____
E. _____
S. _____
N. _____
W. _____
Line and _____
of _____
Line of _____
Elevation _____
County _____
State _____
Field _____
Address _____
Company _____



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR PRINT TO PROJECT
SERIAL NUMBER
U. S. LAND OFFICE
Last 170000