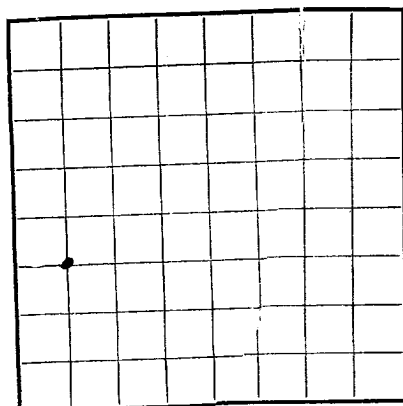


U. S. LAND OFFICE Las CrucesSERIAL NUMBER LC 068474LEASE OR PERMIT TO PROSPECT
Government "B"UNITED STATES Cities Service Oil Co.
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Cities Service Oil Company Address Box 97, Hobbs, New Mexico
Lessor or Tract Government "B" Field Drickey-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 649 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, 1954 Finished drilling November 27, 1954

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	Packer	-	-	-	Oil shooting

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, 1954 Put to producing December 12, 1954

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'

