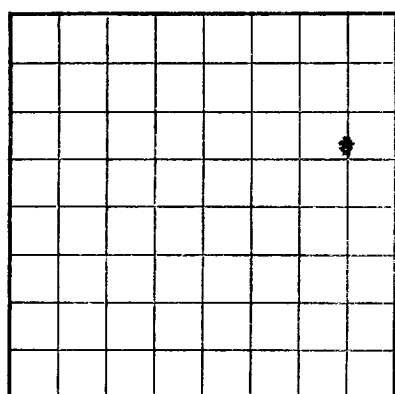


Las Cruces
U. S. LAND OFFICE
SERIAL NUMBER 032591 a
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company SUNRAY OIL CORPORATION Address Box 128, Hobbs, New Mexico
Lessor or Tract Edna Elliott Permit Field Hare State New Mexico
Well No. 4 Sec. 21 T. 21 R. 37 Meridian N&M County Lea
Location 2030 ft. {N. of 4 Line and 330 ft. {E. of 5 Line of Sec 21-21-37 Elevation 3460 '
(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 May 12, 1952Title Drill

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

Commenced drilling 3-20-52, 19 52 Finished drilling 5-5-52, 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7753 to 7776 No. 4, from _____ to _____
No. 2, from 7760 to 7738 No. 5, from _____ to _____
No. 3, from 7796 to 7824 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--	
13 3/8	48.4	36	Republic	240'	Arco				
9 5/8	36	36	Republic	2934'	Baker	Holes			
5 1/2	15.5	36	Republic	7838'	Baker	68	7725	7753	
	17					112	7760	7786	
						112	7796	7824	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	258'	300 ex. 47 gal	Balliburton		
9 5/8	2934'	1500 "	Balliburton		
5 1/2	7851'	350 "	Balliburton		

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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ 19 52 Put to producing _____ 19 52

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % gas (6 hrs. test 200 bbls) Gravity, °Bé. _____

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____ C. S. Sheffield, Driller _____ J. C. Rogers, Driller

_____ P. J. Richardson, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	129	129	Red bed
129	266	139	Red bed and Anhydrite
266	309	101	Anhydrite
309	2645	2276	Anhydrite & salt
2645	2740	95	Anhydrite & Gyp
2740	2935	195	Anhydrite & Lime
2935	3052	117	Lime
3052	7475	4423	Lime & shale
7475	7688	213	Shale
7688	7851	163	Sand
			<u>TOPS</u>
			Clareella 5140'
			Clearfork 5602'
			Tubbs sand 6100'
			Base Permian 7240'
			Simpson shale 7368'
			Shales 7690'

(OVER)

16-43094-2

The information given herein is a complete and correct record of the well and all work done on the well and is furnished for all available records.

Signed _____
 Date _____

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued