

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **019998(a)**
LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

AUG 22 1951

OIL CONSERVATION COMMISSION
TULSA OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Sunray Oil Corporation**
(**Superior Oil Corporation**) Address **118 National Bank of Tulsa Bldg, Tulsa Okla.**
Lessor or Tract **V. L. Foster** Field **Jackson** State **New Mexico**
Well No. **1** Sec. **17** T. **17S** R. **31E** Meridian **N.M.P.** County **Eddy**
Location **2790** ft. **N.** of **S** Line and **330** ft. **E** of **E** Line of **Sec. 17-17S-31E** Elevation **3728.3'**
(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 **/s/ Frank Neely**Date **October 4, 1937**Title **Superintendent**

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

Commenced drilling **June 9**, 19**37** Finished drilling **September 16**, 19**37**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2070** to **2076** No. 4, from **3550** to **3557**
No. 2, from **3323** to **3333** No. 5, from _____ to _____
No. 3, from **3400** to **3408** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **460** to **470** No. 3, from _____ to _____
No. 2, from **3605** to **3608** 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—	
10"	22'	19 sacks	Halliburton						
8 1/4"	617'	50 sacks	Halliburton						
7"	3380'	100 sacks	Halliburton	12 lbs.					8 Ton

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	22'	19 sacks	Halliburton		
8 1/4"	617'	50 sacks	Halliburton		
7"	3380'	100 sacks	Halliburton	12 lbs.	8 Ton

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
2 1/2"	2200					
2 1/2"	2200					
2 1/2"	2200					

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

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; **All** % water; and _____ % sediment.

If gas well, cu. ft. per 24 hours _____ Gravity, °Bé. _____

Rock pressure, lbs. per sq. in. _____ Gallons gasoline per 1,000 cu. ft. of gas _____

EMPLOYEES

B. E. Kennedy _____, Driller **Walter Harkimer** _____, Driller
Earl Stone _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	60	Red	Red Rock
60	70		Red sand
70	90		Red bed
90	125		Red shale
125	150		Red sand
150	170		Red sand
170	310		Red sand
310	330		Red rock
330	385		Anhydrite
385	400		Red rock
400	460		Anhydrite
460	475		Sandy red rock 1/2 B.W.
475	500		Red rock
500	525		Anhydrite 3 1/2 B.W.
525	535		Salt
535	550		Red Rock
550	610		Salt & Anhydrite
610	615		Salt
615	645		Salt & Anhydrite
645	695		Salt & Anhydrite
695	900		Salt
900	1000		Anhydrite
1000	1360		Salt
1360	1435		Salt & Anhydrite
1435	1500		Red rock & Anhydrite

(OVER)

FORMATION RECORD—Continued

FORMATION RECORD—Continued

(CASE)

10-43004-1

FROM—	TO—	TOTAL FEET	FORMATION
1500	1570		Anhydrite
1570	1600		Anhydrite & red bed
1600	1630		Red bed
1630	1725		Anhydrite & red bed
1725	1805		Anhydrite
1805	1815		Red Rock
1815	1865		Anhydrite & Red Shale
1865	1870		Red Rock
1870	1900		Anhydrite
1900	1935		Anhydrite & Shale
1935	1975		Anhydrite
1975	2070		Anhydrite & Shale
2070	2075		Bn. lime & Anhydrite (O. & G. S.)
2075	2145		Anhydrite
2145	2150		Anhydrite & sdy. lime (D. & G. S.)
2150	2215		Anhydrite
2215	2225		Brown lime
2225	2250		Anhydrite
2250	2253		Shale
2253	2276		Anhydrite
2276	2310		Anhydrite & Red Shale
2310	2335		Anhydrite
2335	2412		Anhydrite & Shale
2412	2485		Anhydrite
2485	2525		Red sand
2525	2679		Anhydrite
2679	2705		Anhydrite & Shale
2705	2720		Brown lime
2720	2800		Bn. Lime & Anhydrite
2800	2818		Anhydrite & Shale
2818	2830		Anhydrite & lime
2830	2855		lime
2855	2870		Bn. Lime
2870	2890		Anhydrite & lime
2890	2950		Gray lime
2950	2980		lime & slate
2980	3085		Gray lime
3085	3088		Shale
3088	3430		White & Gray lime
3430	3440		lime & slate
3440	3480		White & Gray lime (Acidized with 1000 gal. no results)
3480	3529		White lime
3529	3535		White lime oil show
3535	3574		Gray lime (acidized with 1000 gal. 15% acid on Sept. 14, 1937 from 3550-3574 no results.)
3574	3585		Gray lime
3585	3608		Bn. lime - 1/2 B.W.P.H.
3608	3608		TOTAL DEPTH

Plugging Record:

Recovered 7" 1535'4" - 8 1/4" None 10" none

10 sacks cement plug on bottom 3608'

10 sacks cement plug at 1300' Base Salt

10 sacks cement plug at 600' Top Salt

10 sacks top of hole

Heavy mud used to fill hole between cement plugs and top of hole, put in with buckets.

Gas shut off.

PLUGGING AND CEMENTING RECORD

HISTORY OF OIL OR GAS WELL

10-43004-1

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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 "detacked" 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.

CASING RECORD

IMPERMEABLE WATER SANDS

OIL OR GAS SANDS OR ZONES

LOC OF OIL OR GAS WELL

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