

Section 19

LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **029395 (b)**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Sinclair Oil & Gas Company Address 520 E. Broadway, Hobbs, New Mexico
 Lessor or Tract Turner "B" SP Field Grayburg Jackson State New Mexico
 Well No. 52 Sec. 29 T. 17S R. 11E Meridian County Deer
 Location 640 ft. 1/4 S. of N. Line and 640 ft. 1/4 E. of W. Line of Sec. 29 Elevation 3626
 (Derrick foot 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 66-1000

Date December 5, 1957 Title District Superintendent

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

Commenced drilling October 6, 1957 Finished drilling November 19, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~226~~ to ~~339~~
 No. 2, from _____ to _____
 No. 3, from _____ to _____

No. 4, from _____ to _____
 No. 5, 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—	
10-3/4 7 2-1/8	32.75 600 900	8 8 8	E-L E-L E-L	500 500 500					PARTIAL
HISTORY OF OIL ON CV2 MEFF									
									TO COVER WHEN DRINKING ORALCE

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	598	100	Halliburton		
7	337 1/2	100	Halliburton		

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
Perforated 7" OD Casing 1306-10 & 1314-20 w/20 1/2" Jet shots. Sandell fractured thru perforations w/20,000 gals oil & 20,000 lbs sand.						

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.

....., 19.....	Put to producing, 19.....
The production for the first 24 hours was	barrels of fluid of which November 25 % was oil; 57 %
emulsion;% water; and% sediment. 205	Gravity, °Bé. 100 0

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

Rock pressure, lbs. per sq. in. _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller
Martin, Driller
 _____, Driller
Triplehorn, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	30	30	Sand & Caliche
30	145	115	Sand
145	215	70	Sand & Redrock
215	320	105	Redrock
320	420	100	Anhydrite
420	525	105	Anhydrite & Redrock
525	550	25	Salt, Anhydrite & Redrock
550	575	25	Anhydrite, Potash & Redrock
575	1310	735	Salt
1310	1780	470	Anhydrite
1780	1850	70	Anhydrite & Redrock
1850	2230	380	Anhydrite
2230	2345	115	Anhydrite & Redrock
2345	2380	35	Anhydrite & Shale
2380	2465	85	Anhydrite
2465	2500	35	Anhydrite & Redrock
2500	2545	45	Anhydrite & Lime
2545	2620	75	Anhydrite
2620	2640	20	Anhydrite & Lime
2640	2710	70	Anhydrite
2710	2735	25	Anhydrite & Sand
2735	2760	25	Anhydrite
2760	2800	40	Anhydrite & Lime
2800	2855	55	Anhydrite
2855	3375	520	Lime

GEOLOGICAL TOPS
(Electric Log)

Yates	1472
7 Rivers	1836
Queen	2466
Grayburg	2855
San Andres	3286

~~3375 - Total Depth Drilled~~

1352 - Flagged by ~~CONFIDENTIAL~~ RECORD-CONTINUED

Geological description of the well, including the nature of the rock formations encountered, the character of the oil or gas, and the results of the tests made. The following is a description of the well and the results of the tests made:

The well was drilled to a depth of 1000 feet. The rock formations encountered were as follows:

- 0 to 100 feet: Sandstone, medium to coarse grained, light to dark gray, with occasional thin layers of shale.
- 100 to 200 feet: Shale, dark gray to black, with occasional thin layers of sandstone.
- 200 to 300 feet: Sandstone, medium to coarse grained, light to dark gray, with occasional thin layers of shale.
- 300 to 400 feet: Shale, dark gray to black, with occasional thin layers of sandstone.
- 400 to 500 feet: Sandstone, medium to coarse grained, light to dark gray, with occasional thin layers of shale.
- 500 to 600 feet: Shale, dark gray to black, with occasional thin layers of sandstone.
- 600 to 700 feet: Sandstone, medium to coarse grained, light to dark gray, with occasional thin layers of shale.
- 700 to 800 feet: Shale, dark gray to black, with occasional thin layers of sandstone.
- 800 to 900 feet: Sandstone, medium to coarse grained, light to dark gray, with occasional thin layers of shale.
- 900 to 1000 feet: Shale, dark gray to black, with occasional thin layers of sandstone.

The oil or gas encountered in the well was as follows:

- 0 to 100 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 100 to 200 feet: Gas, light to dark gray, with occasional thin layers of oil.
- 200 to 300 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 300 to 400 feet: Gas, light to dark gray, with occasional thin layers of oil.
- 400 to 500 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 500 to 600 feet: Gas, light to dark gray, with occasional thin layers of oil.
- 600 to 700 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 700 to 800 feet: Gas, light to dark gray, with occasional thin layers of oil.
- 800 to 900 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 900 to 1000 feet: Gas, light to dark gray, with occasional thin layers of oil.

The results of the tests made were as follows:

- 0 to 100 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 100 to 200 feet: Gas, light to dark gray, with occasional thin layers of oil.
- 200 to 300 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 300 to 400 feet: Gas, light to dark gray, with occasional thin layers of oil.
- 400 to 500 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 500 to 600 feet: Gas, light to dark gray, with occasional thin layers of oil.
- 600 to 700 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 700 to 800 feet: Gas, light to dark gray, with occasional thin layers of oil.
- 800 to 900 feet: Oil, light to dark gray, with occasional thin layers of gas.
- 900 to 1000 feet: Gas, light to dark gray, with occasional thin layers of oil.

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 burning.

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