

C O P Y

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **028793-A**
LEASE OR PERMIT TO PROSPECT **Lease**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Grayburg Oil Co. of New Mexico Address Artesia, N.M.
 Lessor or Tract Burch Field Grayburg State New Mexico
 Well No. 5 Sec. 19 T. 17 R. 30 Meridian NMPM County Eddy
 Location 1980 ft. N of N Line and 1980 ft. E of E Line of Sec. 19 Elevation 3632
 (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.

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Signed _____
Date May 8, 1934 Title Secretary

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

Commenced drilling January 24, 1934 Finished drilling May 5, 1934

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)							
No. 1, from	1520	to	1525 G.S.	No. 4, from	3084	to	3094 O & G
	2595		2599 O>Show				3145 Oil
No. 2, from	2950	to	2952 O>Show & G	No. 5, from		to	
	2837		2846 O>Show				
No. 3, from		to		No. 6, from		to	

IMPORTANT WATER SANDS

No. 1, from 308 to 310
330 335

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	486'7"	10	Dumped		
6-5/8"	2858'	75	Halliburton	Heavy	Top to bottom

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 _____ 0 _____ feet to _____ 3154 _____ feet, and from _____ feet to _____ feet.

DATES

Put to producing April 29, 1984

The production for the first 24 hours was 525 barrels of fluid of which 100 % was oil; ----- % emulsion; ----- % water; and ----- % sediment. 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

W. H. Berry	Driller	3142	3142	Driller
Ollie Ackerman	Driller	3143	3143	Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
300	300	0	CLAY SAND WHITE PLATE
300	320	20	Gyp. Plate - 20 ft. Gyp
320	326	296	Red Beds, Red Sand and Gyp
326	335	9	Red Beds and Blue Shale
335	482	147	Red Beds and Gyp
482	518	36	Salt and Brown Shale
518	537	19	Salt and Blue Shale
537	735	198	Red Beds, Gyp, and Salt
735	750	15	Salt
750	910	160	ANHYDRITE and Gyp (CLAY PLATE)
910	945	35	ANHYDRITE and Red Rock
945	947	2	Salt and Red Sand
947	1050	103	Red Beds
1050	1080	30	ANHYDRITE and Red Rock
1080	1100	20	ANHYDRITE and Blue Shale
1100	1110	10	ANHYDRITE
1110	1115	270	Red Rock
1115	1195	80	ANHYDRITE and Red Shale
1195	1525	330	ANHYDRITE and Gray Lime
1525	1600	75	Dark Lime
1600	1625	25	ANHYDRITE and Lime
1625	1700	75	ANHYDRITE and Blue Shale
1700	1740	40	ANHYDRITE and Brown Shale
1740	1750	10	Lime and Anhydrite
1750	1775	25	Red Beds and Gyp
1775	1800	25	ANHYDRITE and Brown Shale

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LOG OF OIL OR GAS WELL

A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares.

LOCATE WELL CORRECTLY

Date _____
 Title _____
 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 1950 ft. { N. of _____ line and _____ ft. (W. of _____ line of _____ Sec. _____ T. _____ R. _____ Meridian _____
 Well No. _____
 Lessor or Tract _____
 Company _____
 Address _____
 State _____
 County _____
 Elevation _____
 (Derrick floor relative to sea level)

Commenced drilling 1934
 Finished drilling
 The summary on this page is for the condition of the well at above date.

OIL OR GAS SANDS OR ZONES

No. 1, from	1955	to	1955	No. 4, from	1955	to	1955
No. 2, from	1955	to	1955	No. 5, from	1955	to	1955
No. 3, from	1955	to	1955	No. 6, from	1955	to	1955

IMPORTANT WATER SANDS

No. 1, from 320 to 325
No. 2, from 325 to 330
No. 3, from 330 to 335
No. 4, from 335 to 340

CASING RECORD

Give casing per foot	Thickness in inch	Misc	Amount	Kind of shoe	Cut and pulled from	Perforated From— To—	Purpose
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 detached, or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.							

HISTORY OF OIL OR GAS WELL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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MUDDING AND CEMENTING RECORD

Rate per cubic yard	Wharf set	Number bags of cement	Method used	Mud gravity	Amount of mud used
10	10	10	10		
10	10	10	10		

PLUGS AND ADAPTERS

Material	Size	Length	Depth set
Material	Size	Length	Depth set

SHOOTING RECORD

[illegible]

TOOLS USED

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

DATE:

Rock pressure, lbs. per sq. in.	
If gas well, cu. ft. per 24 hours	
emulsion; % water; and % sediment.	
The production for the first 24 hours was barrels of fluid of which 100% was oil; Put to producing 1924	

EMPLOYEES

FORMATION	THICKNESS IN FEET	CUMULATIVE THICKNESS IN FEET	PERCENTAGE OF TOTAL
Lime and Red Sand	10	10	0.5
Amphibolite and Brown Lime	10	20	1.0
Amphibolite and Red Rock	10	30	1.5
Amphibolite and Gray Lime	10	40	2.0
Gray and Brown Lime	10	50	2.5
Gray and White Lime	10	60	3.0
White and Brown Lime	10	70	3.5
Gray and Brown Lime	10	80	4.0
Gray and White Lime	10	90	4.5
White and Brown Lime	10	100	5.0
Gray and Brown Lime	10	110	5.5
Gray and White Lime	10	120	6.0
White and Brown Lime	10	130	6.5
Gray and Brown Lime	10	140	7.0
Gray and White Lime	10	150	7.5
White and Brown Lime	10	160	8.0
Gray and Brown Lime	10	170	8.5
Gray and White Lime	10	180	9.0
White and Brown Lime	10	190	9.5
Gray and Brown Lime	10	200	10.0
Gray and White Lime	10	210	10.5
White and Brown Lime	10	220	11.0
Gray and Brown Lime	10	230	11.5
Gray and White Lime	10	240	12.0
White and Brown Lime	10	250	12.5
Gray and Brown Lime	10	260	13.0
Gray and White Lime	10	270	13.5
White and Brown Lime	10	280	14.0
Gray and Brown Lime	10	290	14.5
Gray and White Lime	10	300	15.0
White and Brown Lime	10	310	15.5
Gray and Brown Lime	10	320	16.0
Gray and White Lime	10	330	16.5
White and Brown Lime	10	340	17.0
Gray and Brown Lime	10	350	17.5
Gray and White Lime	10	360	18.0
White and Brown Lime	10	370	18.5
Gray and Brown Lime	10	380	19.0
Gray and White Lime	10	390	19.5
White and Brown Lime	10	400	20.0
Gray and Brown Lime	10	410	20.5
Gray and White Lime	10	420	21.0
White and Brown Lime	10	430	21.5
Gray and Brown Lime	10	440	22.0
Gray and White Lime	10	450	22.5
White and Brown Lime	10	460	23.0
Gray and Brown Lime	10	470	23.5
Gray and White Lime	10	480	24.0
White and Brown Lime	10	490	24.5
Gray and Brown Lime	10	500	25.0
Gray and White Lime	10	510	25.5
White and Brown Lime	10	520	26.0
Gray and Brown Lime	10	530	26.5
Gray and White Lime	10	540	27.0
White and Brown Lime	10	550	27.5
Gray and Brown Lime	10	560	28.0
Gray and White Lime	10	570	28.5
White and Brown Lime	10	580	29.0
Gray and Brown Lime	10	590	29.5
Gray and White Lime	10	600	30.0
White and Brown Lime	10	610	30.5
Gray and Brown Lime	10	620	31.0
Gray and White Lime	10	630	31.5
White and Brown Lime	10	640	32.0
Gray and Brown Lime	10	650	32.5
Gray and White Lime	10	660	33.0
White and Brown Lime	10	670	33.5
Gray and Brown Lime	10	680	34.0
Gray and White Lime	10	690	34.5
White and Brown Lime	10	700	35.0
Gray and Brown Lime	10	710	35.5
Gray and White Lime	10	720	36.0
White and Brown Lime	10	730	36.5
Gray and Brown Lime	10	740	37.0
Gray and White Lime	10	750	37.5
White and Brown Lime	10	760	38.0
Gray and Brown Lime	10	770	38.5
Gray and White Lime	10	780	39.0
White and Brown Lime	10	790	39.5
Gray and Brown Lime	10	800	40.0
Gray and White Lime	10	810	40.5
White and Brown Lime	10	820	41.0
Gray and Brown Lime	10	830	41.5
Gray and White Lime	10	840	42.0
White and Brown Lime	10	850	42.5
Gray and Brown Lime	10	860	43.0
Gray and White Lime	10	870	43.5
White and Brown Lime	10	880	44.0
Gray and Brown Lime	10	890	44.5
Gray and White Lime	10	900	45.0
White and Brown Lime	10	910	45.5
Gray and Brown Lime	10	920	