

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 031844
LEASE OR ~~PERMIT TO PROSPECT~~ Max Friese

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Fren Oil Company Address 208 Hills Bldg., El Paso, Texas
Lessor or Tract Max Friess Field Premier State New Mexico
Well No. 13 Sec. 19 T. 17S. R. 31E. Meridian H.M.P.M. County Eddy
Location 660 ft. [N] of south line and 710 ft. [E] of east line of section 19 Elevation 3524
(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 Max Friess
Date June 14, 1955 Title Partner

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

Commenced drilling - March 5, 1955 : Finished drilling April 24, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1833' to 1840' G. No. 4, from 3059' to 3062' 0. & G.
No. 2, from 1925' to 1915' 0. & G. No. 5, from 3073' to 3081' 0. & G.
No. 3, from 2920' to 2922' 0. & G. No. 6, from 3220' to 3225' 0. & G.

IMPORTANT WATER SANDS

No. 1, from 380' to 385' 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"	284	8	S.H.	507	Tool Pattern			Surface string	
7-1/2"	204	6	Republic	394	Halliburton			Oil string	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	544'	75	Halliburton		
7" OD	319'	150	"		

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 top feet to 3337' feet, and from _____ feet to _____ feet

DATES

Put to producing 6 - 13 -, 19 55

The production for the first 24 hours was 720 barrels of fluid of which 100% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity. °Bé. 40.0

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

Rock pressure, lbs. per sq. in. 800 lbs. on casing

EMPLOYEES

Lourey	Driller	Spencer	Driller
Anderson	Driller		Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	300	300	Caliche and Red bed
300	380	80	Red Bed and Anhydrite
380	385	5	Water sand
385	502	117	Anhydrite and red rock
502	1225	723	Salt
1225	1833	608	Anhydrite
1833	1840	7	Lime - brown, small gas show
1840	1935	95	Anhydrite
1935	1945	10	Anhy. and brown lime - small oil & gas show
1945	2115	170	Anhydrite
2115	2125	10	Lime - gray
2125	2135	10	Anhydrite and red bed
2135	2370	235	Anhydrite
2370	2395	25	Red sand - small increase in oil -
2395	2411	16	Anhydrite and lime
2411	2428	17	Brown lime
2428	2475	47	Anhydrite
2475	2520	45	Anhydrite
2520	2525	5	Gray lime
2525	2595	70	Anhydrite
2595	2605	10	Gray lime
2605	2615	10	Sand - small increase in oil -
2615	2640	25	Brown lime and anhydrite
2640	2685	45	Sandy red shale
2685	2690	5	Anhydrite
2690	2700	10	Anhydrite & gray lime

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LOCATE WELL CORRECTLY

DATE	DESCRIPTION	AMOUNT	BALANCE
1916	1000	1000	1000
1917	1000	1000	1000
1918	1000	1000	1000
1919	1000	1000	1000
1920	1000	1000	1000
1921	1000	1000	1000
1922	1000	1000	1000
1923	1000	1000	1000
1924	1000	1000	1000
1925	1000	1000	1000
1926	1000	1000	1000
1927	1000	1000	1000
1928	1000	1000	1000
1929	1000	1000	1000
1930	1000	1000	1000
1931	1000	1000	1000
1932	1000	1000	1000
1933	1000	1000	1000
1934	1000	1000	1000
1935	1000	1000	1000
1936	1000	1000	1000
1937	1000	1000	1000
1938	1000	1000	1000
1939	1000	1000	1000
1940	1000	1000	1000
1941	1000	1000	1000
1942	1000	1000	1000
1943	1000	1000	1000
1944	1000	1000	1000
1945	1000	1000	1000
1946	1000	1000	1000
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1991	1000	1000	1000
1992	1000	1000	1000
1993	1000	1000	1000
1994	1000	1000	1000
1995	1000	1000	1000
1996	1000	1000	1000
1997	1000	1000	1000
1998	1000	1000	1000
1999	1000	1000	1000
2000	1000	1000	1000

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, 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 pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or burning.

HISTORY OF OIL OR GAS WELL

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FROM-	TO-	TOTAL FEET	FORMATION
2700	2725	25	Amphibolite and red rock
2725	2755	30	Sand and argillite
2755	2803	88	Gray lime
2803	2898	51	Lime
2898	2917	23	Gray lime - free oil at 2921' -
2917	2940	23	White lime
2940	2967	14	White lime
2967	2975	8	Sandy gray lime
2975	2982	7	White lime
2982	2987	5	Gray lime
2987	2988	1	Oil sand - small show of oil
2988	3006	18	Gray lime
3006	3042	36	White lime
3042	3049	7	Sandy brown lime - small increase in oil -
3049	3054	5	Heavy lime
3054	3059	5	Hard white lime
3059	3062	3	White sand - show of oil - 2 gals. in 30 min. -
3062	3072	10	White lime
3072	3084	12	Sandy gray lime - test oil pay from 3073' to 3084' - 13 gals. oil in one hour -
3084	3097	13	White lime - sandy
3097	3112	15	Gray lime - sandy
3112	3117	5	Hard white lime
3117	3153	45	Gray lime
3153	3167	6	Lime - pink
3167	3181	14	Gray lime
3181	3190	9	Gray lime
3190	3196	6	Lime - pink
3196	3206	10	White lime
3206	3216	10	White lime - hard
3216	3220	4	White lime
3220	3225	5	White lime
3225	3228	3	Brown lime - one hour test 30 gals. of oil -
3228	3238	10	White lime
3238	3259	21	Gray lime
3259	3290	31	Gray lime
3290	3297	7	White lime
3297	3315	18	Gray lime
3315	3321	6	Sandy gray lime
3321	3329	8	Sandy gray lime
3329	3337	8	Sandy gray lime
3337	3337	3	White lime

FORMATION RECORD—Continued