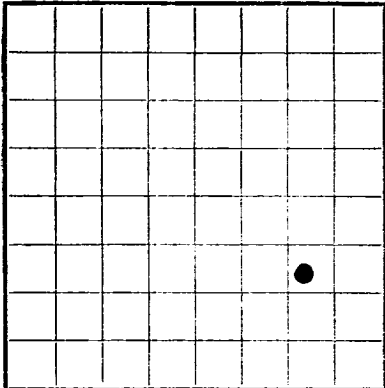


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 052844
LEASE OR PERMIT TO PROSPECT Lease



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Fres Oil Company Address 106-A Texas Street, El Paso, Texas
Lessor or Tract Max Friess Field Cedar Lake Abo State New Mexico
Well No. 19 Sec. 19 T. 17S. R. 51E. Meridian N.M.P.M. County Eddy
Location 1650 ft. N. of South Line and 990 ft. E. of East Line of section 19 - Elevation 3619'
(Derivat Boor 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 April 19, 1962 Title Member of Partnership

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

Commenced drilling March 12, 1962 Finished drilling March 30, 1962

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 7026 to 7029 No. 4, from 7072 to 7077
No. 2, from 7039 to 7042 No. 5, from 7088 to 7095
No. 3, from 7051 to 7053 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—	
<u>8-5/8"</u>	<u>21.00'</u>	<u>"</u>	<u>New York</u>	<u>7100'</u>	<u>"</u>	<u>"</u>	<u>7026</u>	<u>7029</u>	<u>to acidize</u>
<u>4-1/2"</u>	<u>11.6"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>7039</u>	<u>7042</u>	<u>"</u>
							<u>7051</u>	<u>7053</u>	<u>"</u>
							<u>7072</u>	<u>7077</u>	<u>"</u>
							<u>7088</u>	<u>7095</u>	<u>"</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>1391'</u>	<u>650 sacks</u>	<u>Halliburton</u>		
<u>4-1/2"</u>	<u>7100'</u>	<u>1200 "</u>	<u>"</u>		

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 surface feet to 7100 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing April 2, 1962, 19____

The production for the first 24 hours was 182 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 43 no

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

Rock pressure, lbs. per sq. in. 960

EMPLOYEES

H. E. Graham, Driller R. J. Terrell, Driller
F. A. Carr, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Surface sand & caliche
40	256	216	Red Beds
256	493	237	Anhydrite & sand strgs.
493	1186	693	Salt & anhydrite
1186	2355	1169	Anhy. with dolomite & sand strgs.
2355	2388	33	Sand
2388	2700	312	Anhy. with dolomite & sand strgs.
2700	3176	476	Dolomite & sand strgs.
3176	3287	111	White dolomite
3287	3320	33	Sand
3320	4655	1335	Dolomite
4655	4775	120	Sand & Dolomite strgs.
4775	5323	548	Dolomite
5323	5876	553	Sand & Dolomite
5876	6770	894	Dolomite
6770	7100	330	White Reefy Dolomite with green shale strgs.
	<u>7100 T.D.</u>		
Formation Tests:			Drill Stem Test No. 1:
	Base of Salt - 1160'		6850 to 7100' - tool open 2 hours - Gas to
	Yates 1386'		surface in 7 min.; fluid to surface in 1 hr. 16
	Queen 2355'		min.; oil to surface in 1 hr. & 50 min.; re-
	San Andres 3176'		versed out 98 bbls. of oil .-
	Florietta 4650'		H.P. 3300 - F.F. 960'
	Abo 6720'		L.S.L. 2440' - F.S.L. 2375'
			I.F. 330' LOW FLOW 3320'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

A 10x10 grid with a small black dot in the bottom-left cell.

Completed drilling _____ 1944 _____ finished drilling _____ 1945 _____
The summary on this page is for the condition of the well at above date.

(1) Derogate aus dem (1)

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

No. 1, from	to	No. 3, from	to
No. 2, from	to	No. 4, from	to

Serial Number	Thrusts per inch	Stalks	Pressure	Kind of shoe (one and pulled from)	From -	To -	Purposes
1							

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Slab Design	Amount of cement	Amount of sand	Amount of gravel	Amount of water	Amount of oil	Amount of lime	Amount of fly ash	Amount of slag	Amount of other	Amount of total	Amount of dry mix	Amount of wet mix	Amount of dry mix per sq. ft.	Amount of wet mix per sq. ft.	Amount of dry mix per cu. yd.	Amount of wet mix per cu. yd.
1	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
2	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
3	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
4	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
5	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
6	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
7	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
8	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
9	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
10	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
11	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
12	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
13	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
14	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
15	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
16	100	200	300	40	0	0	0	0	0	340	340	340	100	100	100	100
17																

PLUGS AND ADAPTERS

SHOOTING RECORD	
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100	100

[illegible]

TOOL USED		

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

DATES	
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If gas well, cu. ft. per 24 hours _____ emulsion; _____ % water; and _____ % sediment. The production for the first 24 hours was _____	Put to producing _____ barrels of fluid of which _____ % was oil; _____ Gravity, °Be. _____ Gallons gasoline per 1,000 cu. ft. of gas _____
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[illegible]

FORMATION RECORD			
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[illegible]