

SERIAL NUMBER 048491-A

LEASE OR PERMIT TO PROSPECT

Sunders

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

1950

LOCATE WELL CORRECTLY

Company Nay Hightower Address 812 West Main, Artesia, N.M.

Lessor or Tract Nay Hightower Field Empire State New Mexico

Well No. 3 Sec. 13 T. 17 R. 27, Meridian N.M.P.M. County Lady

Location 330 ^{N.} of 2310 ^{E.} Line and 13 Line of 3478 Elevation 3478
(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 Mrs Mary Hightower

Date 1-23-50

Title

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

Commenced drilling 12-7-, 1949 Finished drilling 12-27, 1949

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 322 to 325 No. 4, from 426 to 435

No. 2, from 406 to 408 No. 5, from 451 to 454

No. 3, from 412 to 416 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 60 to 70 No. 3, from _____ to _____

No. 2, from 150 to 152 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—	
7" o.d.	20#	8	seamless	402	Texas	cut and pulled from			oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	402	50 sacks cement	Haliburton		

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
500 gal	acid				412-416'	
500 gal	acid				412-416'	
					426-435'	

TOOLS USED 451-454

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

Cable tools were used from 0 feet to 454 feet, and from _____ feet to _____ feet.

DATES

....., 19..... Put to producing 1-15-50....., 19.....

The production for the first 24 hours was 25 barrels of fluid of which ----- % 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

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 Adapters—Material Size

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Rock pressure, lbs. per sq. in.

EMPLOYEES

Carl Byler, Driller Driller
 Jack Payne, Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0-	3	3	soil
3-	10	7	hard sand
10	25	15	red bed
25	60	35	red bed and anhydrite water at 60'
60	115	55	anhydrite
115	285	175	red rack-anhydrite more water at 150'
285	400	115	anhydrite show of oil & gas at 325
400	402	2	lime
402	406	4	anhydrite
406	408	2	lime brown, show oil
408	410	2	anhydrite
410	412	2	shale blue
412	414	2	brown lime oil show
414	416	2	brown lime oil show
416	418	2	anhydrite
418	429	11	anhydrite
429	436	7	brown lime oil show
436	438	2	anhydrite
438	442	4	brown lime
442	444	2	anhydrite
444	446	2	grey lime
446	451	5	anhydrite
451	454	3	brown lime total depth

(OVER)

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