

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 054253-A

LEASE OR PERMIT TO PROSPECT

Julia Brainard

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Company Continental-Yates (M. Yates, Jr.) Address Artesia, New Mexico
 Lessor or Tract Julia Brainard Field Loco Hills State New Mexico
 Well No. 4A Sec. 11 T. 18 R. 29 Meridian N.M.P.M. County Eddy
 Location 1650 ft. N. of S. } of N. Line and 3310 ft. E. of W. Line of Sec. 11 Elevation 3513
(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 _____

Date _____ Title Partner

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

Commenced drilling March 7th, 1940. Finished drilling April 14th, 1940

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2629 to 2651 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, 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—	
7" OD	2559	100		100		5 tons of cement			5 tons of mud
8 1/2"	470	50		50		50 sacks of cement			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7" OD	2559	100			5 tons of mud
8 1/2"	470	50			

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
Shot well from 2629 to 2651 with 90 quarts of nitro-glycerin, April 10, 1940, by New Mexico Glycerin Company						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from 0 feet to 2651 feet, and from _____ feet to _____ feet

DATES

Put to producing April 14th, 1940
 The production for the first 24 hours was 90 Bbls. in 4 hours barrels of fluid of which _____ % was oil; _____ % emulsion, _____ % water; and _____ % sediment. Gravity, °Bé. 37
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

G. H. Harris, Driller S. J. Barnett, Driller
C. E. Flanagan, Driller _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	50		Red sand
50	150		Red sand
150	160		Gravel
160	185		Anhyd. and red sand
185	205		Anhyd. and gyp.
205	240		Anhyd. and gyp
240	280		Red shale and gyp
280	295		Ahyd. and red rock
295	305		Blue shale
305	350		Gyp and red rock
350	355		Sand (water 1/2 baliler per hr.)
355	380		Ahyd. and gyp
380	430		Red shale, broken
430	448		Anhyd.
448	460		Anhyd. and salts
460	475		Salt
475	630		Salt and potash
630	655		Salt
655	760		Salt and potash
760	800		Anhyd.
800	900		Salt
900	960		Salt and potash
960	995		anhyd.
995	1015		Anhyd. and redrock, broken
1015	1145		Anhyd.
1145	1200		Anhyd. and redrock

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION
1270	1280		Anhyd.
1280	1465		Anhyd. and redrock
1465	1470		Blue Shale
1470	1520		Anhyd. and redrock
1520	1665		Anhyd.
1665	1675		Lime broken
1675	1735		Anhyd.
1735	1745		Anhyd. and redrock
1745	1760		Brown lime and anhyd.
1760	1790		Anhyd.
1790	1792		Brown lime
1792	1915		Anhyd.
1915	2045		Anhyd. and redrock
2045	2080		Anhyd.
2080	2095		Anhyd. and redrock
2095	2130		Anhyd.
2130	2155		Anhyd. and red rock
2155	2200		Red sand
2200	2205		Anhyd.
2205	2230		Lime and anhyd
2230	2255		Gray lime
2255	2295		Anhyd.
2295	2315		Lime
2315	2320		Lime broken
2320	2335		Anhyd. and redrock
2335	2370		Anhyd. and lime
2370	2385		Lime brown
2385	2410		White sand
2410	2445		Anhyd. and red sand
2445	2475		Lime brown
2475	2495		Gray lime
2495	2500		Anhyd. and redrock
2500	2510		Anhyd. and blue shale
2510	2520		Anhyd. and redrock
2520	2530		Brown lime
2530	2540		Lime
2540	2550		Gray lime
2550	2552		Anhyd.
2552	2565		Lime
2565	2623		Gray lime
2623	2625		Lime
2625	2628		White sand - show of gas and oil
2628	2651		Sand brown - total depth

SHOOTING RECORD

PLUGS AND BRIDGES

HISTORY OF OIL OR GAS WELL

16-43084-1

U. S. GOVERNMENT PRINTING OFFICE

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 bailing.

INTERVAL WATER SWABS

OIL OR GAS SWABS OR CORES

LOC OF OIL OR GAS WELL

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