Form 9-330

U. S. Land Office Las Cruces
Serial Number 029437
Lease or Permit to Prospect Grier

RECEIVED
MAR 10 1977
O. C. C.
ARTESIA, OFFICE

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 25 1942
Roswell, New Mexico

LOG OF OIL OR GAS WELL

Company Nay Hightower Address P. O. Box 1057, Artesia, New Mexico
Lessor or Tract Grier Field Square Lake State New Mexico
Well No. 3 Sec. 31 T. 16 R. 31 Meridian NMPM County Eddy
Location 660 ft. {N.} of N Line and 3300 ft. {E.} of E Line of Sec. 31 Elevation
{S.} {W.} (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 Nay Hightower
Date July 24, 1942 Title operator

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

Commenced drilling May 22, 19 42 Finished drilling July 18, 19 42

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3012 to 3045 No. 4, from to
No. 2, from 3058 to 3102 No. 5, from to
No. 3, from 3160 to 3191 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 From—	Perforated To—	Purpose
10"				460					
7"				2989					
Tubing set at 3192 feet with perforation 309 feet of bottom									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	460	50	Halliburton	to surface	
7"	2989	100	Halliburton	to surface	

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 3190 feet, and from feet to feet

DATES

July 24, 19 42 Put to producing August 1, 19 42

The production for the first 12 hours was 520 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

Truman Jacobs, Driller C. R. Crandall, Driller
C. E. Flanagan, Driller O. C. Bean, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	285	285	red sand
285	470	185	anhydrite
470	490	20	red rock
490	525	35	salt and red rock
525	1405	880	salt
1405	1420	15	red rock and gray shale
1420	1455	35	red beds
1455	1490	35	salt
1490	1540	50	anhydrite
1540	1575	35	anhydrite and red rock
1575	1600	25	red rock
1600	1615	15	red sand
1615	1705	90	anhydrite and red rock
1705	1785	80	anhydrite
1785	1815	30	red rock and anhydrite
1815	2095	280	anhydrite
2095	2110	15	lime - very hard
2110	2383	273	anhydrite
2383	2390	7	anhydrite and red rock
2390	2445	55	anhydrite
2445	2455	10	red sand (hole full water)
2455	2460	5	shale and sand
2460	2470	10	blue shale
2470	2486	16	red sand
2486	2500	14	lime
2500	2540	40	anhydrite

(OVER)

FOLD MARK

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2540	2580	40	anhydrite broken
2580	2700	120	anhydrite
2700	2775	75	anhydrite and shale
2775	2800	25	anhydrite
2800	2835	35	anhydrite broken
2835	2860	15	red rock and anhydrite
2860	2960	100	lime
2960	2970	10	red rock
2970	2975	5	broken lime
2975	3123	148	lime
3123	3130	7	sand
3130	3135	5	lime, pink sandy
3135	3145	10	gray hard lime
3145	3153	8	lime
3153	3160	7	red sand and shale
3160	3169	9	red sand and lime
3169	3174	5	sand
3174	3192	18	lime - total depth.

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HISTORY OF OIL OR GAS WELL

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.