

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 047633 (a)

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Bob Johnson - Oil Operator Address P. O. Box 577 Artesia, New Mexico

Lessor or Tract Swearingen A Field North Shugart State Eddy

Well No. 5 Sec. 14 T. 18 S. R. 31 E Meridian NMPN County New Mexico

Location 1980 ft. [S.] of N. Line and 660 ft. [E.] of E. Line of Elevation 3730
(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 September 9, 1955

Title Operator

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

Commenced drilling July 1, 1955 Finished drilling August 24, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2545 to 2568 No. 4, from to

No. 2, from 3480 to 3520 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	
8 5/8	24	8	J & L	950	Texas Pattern				
7	20	8	J & L	3476	Texas Pattern				
HISTORY OF ONE OR OVER WELLS									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	950	50	Pressure		None
7	3476	100	Pressure		None

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
Dowell Sandfree treatment with 10,000 gallons of Dowell Sandfree oil and 30,000% sand.						

TOOLS USED

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

Cable tools were used from 0 feet to 3523 feet, and from feet to feet

DATES

Put to producing August 29, 1955

The production for the first 24 hours was 120 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

W. R. Wolfe, Driller James H. Hammond, Driller

C. S. Powell, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	815	815	Red Beds
815	845	30	Broken Anhydrite
845	950	95	Anhydrite
950	1935	985	Salt
1935	1955	20	Red Beds
1955	2095	140	Salt
2095	2120	25	Anhydrite
2120	2545	425	Anhydrite
2545	2565	20	Anhydrite and sand
2565	2775	10	Lime
2775	2852	77	Lime
2852	2880	28	Lime, shale, anhydrite
2880	2925	45	Lime

FROM

TO

TOTAL FEET (OVER)

FORMATION

FORMATION RECORD—Continued

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

The summary on this page is for the condition of the world at large

_____ Art. 24 _____ gültig ab _____ Art. 25 _____ gültig ab _____

OIL OR GAS BANDS OF THAMES

to 100.0 from 100.0

to 100.0 from 100.0

to 100.0 from 100.0

STILL A BIT OF TIME FOR ME

[illegible][illegible]

Account	Debit	Credit	Balance	Transfer	Check	Make	Amount	Kind of stock	Outstanding	Purpose
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It is of the greatest importance to have a complete history of the well. Please state in detail the dates to returning, 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 "detached" 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.

HISTORY OF OIL OR GAS WELL

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TO	TO	TOTAL FEET	FORMATION
25	2950	25	Lime, shale, anhydrite
50	2996	46	Lime
96	3023	27	Lime, shale, anhydrite
23	3040	21	Lime
70	3062	22	Lime
62	3088	26	Lime, shale, anhydrite
38	3100	12	Lime
100	3120	20	Anhydrite
120	3240	120	Lime
270	3260	20	Anhydrite
260	3281	21	Lime
281	3306	25	Lime and anhydrite
306	3336	30	Anhydrite
336	3361	45	Lime
381	3472	61	Anhydrite
472	3480	38	Lime
480	3520	40	Lime and shale
3520	3523	3	Lime