

U. S. LAND OFFICE Artesia, New MexicoSERIAL NUMBER AM01707

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company T. J. Sivley Address Artesia, New Mexico
Lessor or Tract Abell, Willie Field Tonto State New Mexico
Well No. 1 Sec. 22 T. 13N R. 3E Meridian NMPM County Lea
Location 1980 ft. {N.} of 3 Line and 495 ft. {E.} of 3 Line of Section 22 Elevation 3634'
(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 [Signature]Date Sept 12, 1952Title Owner

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

Commenced drilling July 1, 1952 Finished drilling Aug. 23, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 0 3405 to 3417 No. 4, from 3532 3530 to 3565
No. 2, from 0 3428 to 3465 No. 5, from _____ to _____
No. 3, from 0 3490 to 3550 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>1452</u>					<u>salt top</u>
<u>7</u>				<u>3478</u>					<u>oil</u>
<u>5 1/2</u>				<u>3559-3552</u>			<u>3536</u>	<u>3546</u>	<u>liner</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>1452</u>	<u>50</u>	<u>Hall</u>		
<u>7</u>	<u>3478</u>	<u>100</u>	<u>"</u>		
<u>5 1/2</u>	<u>3559-3552</u>	<u>30</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 0 feet to 1452 feet, and from _____ feet to _____ feet
Cable tools were used from 1452 feet to 3565 feet, and from _____ feet to _____ feet

DATES

Sept. 12, 1952 Put to producing Sept. 10, 1952

The production for the first 24 hours was 60 barrels of fluid of which 99 1/2 % was oil; _____ % emulsion; _____ % water; and 1/2-1 % sediment. Gravity, °Bé. 31

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. A. Thomas, Driller Harlan Johnson, Driller
P. F. Johnson, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>45</u>	<u>45</u>	<u>caliche</u>
<u>45</u>	<u>60</u>	<u>15</u>	<u>hard sand</u>
<u>60</u>	<u>400</u>	<u>340</u>	<u>sand & shale</u>
<u>400</u>	<u>585</u>	<u>185</u>	<u>shale & shells</u>
<u>585</u>	<u>675</u>	<u>90</u>	<u>Red Rock</u>
<u>675</u>	<u>795</u>	<u>120</u>	<u>" " & sand shells</u>
<u>785</u>	<u>900</u>	<u>115</u>	<u>sandy shale and shells</u>
<u>900</u>	<u>930</u>	<u>30</u>	<u>shale</u>
<u>930</u>	<u>1045</u>	<u>115</u>	<u>shale & shells</u>
<u>1045</u>	<u>1365</u>	<u>320</u>	<u>red rock</u>
<u>1365</u>	<u>1459</u>	<u>94</u>	<u>anhydrite SLM 1452'</u>
<u>1459</u>	<u>1500</u>	<u>41</u>	<u>"</u>
<u>1500</u>	<u>1510</u>	<u>10</u>	<u>salt</u>
<u>1510</u>	<u>1540</u>	<u>30</u>	<u>anhydrite</u>
<u>1540</u>	<u>1545</u>	<u>5</u>	<u>red bed</u>
<u>1545</u>	<u>1585</u>	<u>40</u>	<u>brkn anhydrite</u>
<u>1585</u>	<u>1680</u>	<u>95</u>	<u>" "</u>
<u>1680</u>	<u>1715</u>	<u>35</u>	<u>red rock</u>
<u>1715</u>	<u>2775</u>	<u>1060</u>	<u>salt</u>
<u>2775</u>	<u>2835</u>	<u>60</u>	<u>anhydrite</u>
<u>2835</u>	<u>2940</u>	<u>105</u>	<u>salt</u>
<u>2940</u>	<u>3190</u>	<u>250</u>	<u>anhydrite</u>
<u>3190</u>	<u>3230</u>	<u>40</u>	<u>" & red shale</u>
<u>3230</u>	<u>3325</u>	<u>105</u>	<u>brkn anhydrite</u>
<u>3325</u>	<u>3565</u>	<u>30</u>	<u>anhydrite & lime</u>

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.

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FORMATION	TOTAL FEET	TO—	FROM—
brn green shale & dolomite	30	3275	3265
unquartzite & dolomite	12	3267	3275
hard dolomite	16	3408	3267
gas sand	12	3415	3408
dolomite inc gas 3425	37	3472	3415
"	8	3480	3472
green shale S/O	2	3482	3480
dolomite inc gas	8	3490	3482
"	42	3532	3490
brn dolomite	33	3565 TO	3532