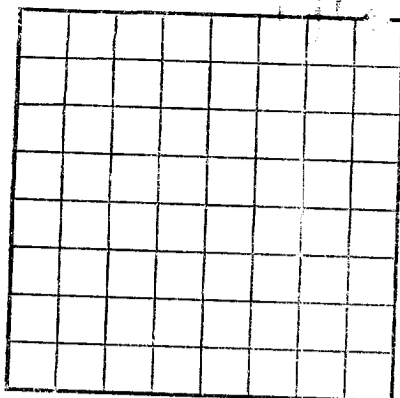


U. S. LAND OFFICE
SANTA FE
SERIAL NUMBER NM 02796
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. GEOLOGICAL SURVEY
RECEIVED
JUN 12 1952
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company T. J. Sivley Address Artesia, NM
Lessor or Tract Herbert Aid Field Tonto State New Mexico
Well No. 1 Sec. 22 T. 19S R. 33E Meridian NMPM County Lea
Location 800 ft. {N} of S Line and 990 ft. {E} of E Line of Section 22 Elevation 3634
(Derriek 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.

Date June 11, 1952Signed [Signature]
Title Owner

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

Commenced drilling 5-3-52, 19____ Finished drilling 6-4-52, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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 3597 to 3581 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 24</u>				<u>1453</u>	<u>Tex Pat</u>	<u>777</u>			<u>Top 321</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
	<u>3581</u>	<u>15</u>			
	<u>2978</u>	<u>15</u>			
	<u>1453</u>	<u>15</u>			
	<u>Top</u>	<u>5</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 1453 feet, and from _____ feet to _____ feet
Cable tools were used from 1453 feet to 3581 feet, and from _____ feet to _____ feet

DATES

June 4, 1952 Put to producing D & A, 19____

The production for the first 24 hours was _____ 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 _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. W. Morgan, Driller _____, Driller
C. V. Miller, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>185</u>	<u>185</u>	<u>Sand & Red rock</u>
<u>185</u>	<u>375</u>	<u>190</u>	<u>Red shale</u>
<u>375</u>	<u>525</u>	<u>150</u>	<u>Shale & Shells</u>
<u>525</u>	<u>705</u>	<u>180</u>	<u>" "</u>
<u>705</u>	<u>1170</u>	<u>465</u>	<u>" "</u>
<u>1170</u>	<u>1358</u>	<u>188</u>	<u>Red shale & Anhydrite</u>
<u>1358</u>	<u>1380</u>	<u>22</u>	<u>Anhydrite</u>
<u>1380</u>	<u>1461</u>	<u>81</u>	<u>" & sandy shale 8" @ 1453</u>
<u>1461</u>	<u>1530</u>	<u>69</u>	<u>" & shale</u>
<u>1530</u>	<u>1580</u>	<u>50</u>	<u>Salt</u>
<u>1580</u>	<u>1790</u>	<u>210</u>	<u>" & anhydrite</u>
<u>1790</u>	<u>2250</u>	<u>460</u>	<u>" "</u>
<u>2250</u>	<u>2325</u>	<u>75</u>	<u>" "</u>
<u>2325</u>	<u>2975</u>	<u>650</u>	<u>" "</u>
<u>2975</u>	<u>3200</u>	<u>225</u>	<u>Anhydrite</u>
<u>3200</u>	<u>3230</u>	<u>30</u>	<u>" & Red shale</u>
<u>3230</u>	<u>3310</u>	<u>80</u>	<u>" " sand</u>
<u>3310</u>	<u>3350</u>	<u>40</u>	<u>" "</u>
<u>3350</u>	<u>3390</u>	<u>40</u>	<u>" & Brown line</u>
<u>3390</u>	<u>3449</u>	<u>59</u>	<u>" & Sand</u>
<u>3449</u>	<u>3475</u>	<u>26</u>	<u>" & Line</u>
<u>3475</u>	<u>3505</u>	<u>30</u>	<u>Line</u>
<u>3505</u>	<u>3521</u>	<u>16</u>	<u>" , brkn show gas 3508-18</u>
<u>3521</u>	<u>3524</u>	<u>3</u>	<u>" reduced hole @ 3521</u>
<u>3524</u>	<u>3531</u>	<u>7</u>	<u>Sand inc gas</u>

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION
3531	3545	14	Line
3545	3560	15	Dolo & Sand
3560	3570	10	" show oil at 3570
3570	3581 TD	11	" & Bentonite water.

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.

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