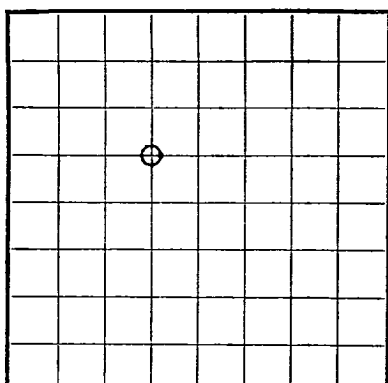


U. S. LAND OFFICE New MexicoSERIAL NUMBER 06712

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company John H. Trigg Address P.O. Box 5629 Roswell, New Mexico
Lessor or Tract Federal "E" Field Square Lake State New Mexico
Well No. 3-31 Sec. 31 T. 16S R. 30E Meridian N.M.P.M. County Rddy
Location 1900 ft. XX of N Line and 1977.28 ft. W of E Line of Section 31 Elevation 3711
(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 Hugh W. Trigg Title GeologistDate May 19, 1959

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

Commenced drilling February 7, 19 59 Finished drilling March 10, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2732 to 2737 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 2008 to 2050 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>10 3/4</u>	<u>11.3</u>	<u>3</u>	<u>J-55</u>	<u>535</u>	<u>Inside</u>	<u>2008</u>			
<u>8 5/8</u>	<u>11.3</u>	<u>3</u>	<u>J-55</u>	<u>2064</u>	<u>Inside</u>	<u>2008</u>			
<u>5 1/2</u>	<u>14.4</u>	<u>3</u>	<u>J-55</u>	<u>2720</u>	<u>Outside</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10 3/4</u>	<u>535</u>	<u>75</u>	<u>Pump</u>		
<u>8 5/8</u>	<u>2064</u>	<u>Mudded</u>	<u>Pump</u>	<u>heavy</u>	<u>75 sacks gal</u>
<u>5 1/2</u>	<u>2722</u>	<u>90</u>	<u>Pump</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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 2753 feet, and from _____ feet to _____ feet

DATES

May 12, 19 59 Put to producing March 30, 19 59The production for the first 24 hours was 49 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

*After sand frac with 29,000 gallons oil & 59,000 gal. sand. If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

O. E. Wood, Driller P. E. Plummer, DrillerA. F. Frost, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>280</u>	<u>280</u>	<u>Red Shale & Sand</u>
<u>280</u>	<u>535</u>	<u>255</u>	<u>Anhydrite and Shale</u>
<u>535</u>	<u>990</u>	<u>455</u>	<u>Salt</u>
<u>990</u>	<u>1175</u>	<u>185</u>	<u>Anhydrite: Salt & Shale breaks</u>
<u>1175</u>	<u>1230</u>	<u>55</u>	<u>Red Sand & Shale</u>
<u>1230</u>	<u>2000</u>	<u>770</u>	<u>Anhydrite with lime, sand, shale breaks</u>
<u>2000</u>	<u>2050</u>	<u>50</u>	<u>Red Sand & Shale - H. F. Water</u>
<u>2050</u>	<u>2410</u>	<u>360</u>	<u>Anhydrite w/sand, shale & Lima breaks</u>
<u>2410</u>	<u>2480</u>	<u>70</u>	<u>Lime</u>
<u>2480</u>	<u>2520</u>	<u>40</u>	<u>Sand & Anhydrite</u>
<u>2520</u>	<u>2650</u>	<u>130</u>	<u>Lime with sand breaks</u>
<u>2650</u>	<u>2700</u>	<u>50</u>	<u>Anhydrite and shale</u>
<u>2700</u>	<u>2730</u>	<u>30</u>	<u>Lime</u>
<u>2730</u>	<u>2750</u>	<u>20</u>	<u>Sand Show oil</u>
<u>2750</u>	<u>2753</u>	<u>3</u>	<u>Lime</u>
<u>2753' T. D.</u>			
Summary of Sample Tops:			
<u>T. Salt</u>	<u>530</u>	<u>Grayburg</u>	<u>2410</u>
<u>Base Salt</u>	<u>990</u>	<u>Premier</u>	<u>2729</u>
<u>Yates</u>	<u>1175</u>		
<u>Queen F</u>	<u>2008</u>		

FORMATION RECORD—Continued

16-45004-4

U.S. LAND OFFICE
CRIMINAL NUMBER
00112

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A 10x10 grid with a small circle in the center. The circle is located at the intersection of the 5th column and the 5th row, with a bounding box of approximately [350, 350, 370, 370].

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 _____

Location _____ ft. S. _____ of N. Line and _____ [W] 1977-1980
Well No. _____ Sec. _____ T. 16S R. 10E Meridian U.S.M.L.M. County _____ State _____
Lessor or Tract _____ Field _____ Lease _____ State _____ Mexico
Company _____ Jones & Lutz Address P.O. Box 1025 Fortwell, New Mexico

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

Date _____ Title _____

OIL OR GAS SANDS OR ZONES

(D) $\frac{1}{2} \log 2$

No. 1, from	1895	to	1895	No. 4, from	1895	to	1895
No. 2, from	1895	to	1895	No. 5, from	1895	to	1895
No. 3, from	1895	to	1895	No. 6, from	1895	to	1895

IMPORTANT WATER SANDS

No. 1, from _____ to _____ 2005
No. 2, from _____ to _____ 2005
No. 3, from _____ to _____ 2005
No. 4, from _____ to _____ 2005

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Amount of work done	Kind of work	Method used	Number sacks of cement	Weight of	Price
		Hand	25	500	\$12.50
12 cubic feet	Heavy	Hand	25	500	\$12.50
		Machine	25	500	\$12.50

PLUGS AND ADAPTERS

Heaving plug—Material	Adapters—Material	Size	Length	Depth set
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SHOOTING RECORD

[illegible]

TOOLS USED

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

DATE

[illegible]

EMPLOYEES

Driller	Driller	Driller
Driller	Driller	Driller

FORMATION RECORD

[illegible]

FORMATION RECORD—Continued