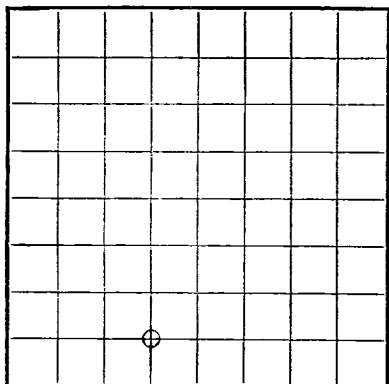


U. S. LAND OFFICE New Mexico

SERIAL NUMBER 04712

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, N. M.
Lessor or Tract Federal "E" Field Square Lake State New Mexico
Well No. 2-31 Sec. 31 T. 16S R. 30E Meridian N.M.P.M. County Eddy
Location 660 ft. N. of S. Line and 1980 E. of W. Line of 31 Elevation 3698
(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 L. W. Kuehner

Date April 30, 1959 Title Geologist

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

Commenced drilling January 3, 1959 Finished drilling February 1, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2728 to 2736 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 400 to 410 No. 3, from _____ to _____
No. 2, from 2040 to 2065 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>32</u>	<u>8</u>	<u>J-55</u>	<u>607</u>	<u>Texas Pattern</u>				
<u>8 5/8"</u>	<u>26</u>	<u>8</u>	<u>J-55</u>	<u>2074</u>	<u>Texas Pattern - all pulled</u>				
<u>5 1/2"</u>	<u>14</u>	<u>8</u>	<u>J-55</u>	<u>2756</u>	<u>Guide</u>		<u>2728</u>	<u>2736</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>614</u>	<u>75</u>	<u>Pump</u>		
<u>8 5/8"</u>	<u>2078</u>	<u>Mudded</u>	<u>Pump</u>	<u>heavy</u>	<u>25-sx-gel</u>
<u>5 1/2"</u>	<u>2758</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 2761 feet, and from _____ feet to _____ feet

DATES

April 30, 1959 Put to producing February 18, 1959

The production for the first 24 hours was 39 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. _____

*After S.F. 30,000 gal + 48,500# sand EMPLOYEES

O. E. Wood, Driller R. H. Plummer, Driller
A. F. Pruet, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>300</u>	<u>300</u>	<u>Red Beds</u>
<u>300</u>	<u>549</u>	<u>249</u>	<u>Anhydrite and Shale</u>
<u>549</u>	<u>975</u>	<u>426</u>	<u>Salt</u>
<u>975</u>	<u>1170</u>	<u>195</u>	<u>Anhydrite: Salt and shale breaks</u>
<u>1170</u>	<u>1225</u>	<u>55</u>	<u>Red Sand and Shale</u>
<u>1225</u>	<u>2010</u>	<u>785</u>	<u>Anhydrite with lime, sand, shale breaks</u>
			<u>Sl. odor gas 1485-95</u>
			<u>SIM 1952-1958</u>
<u>2010</u>	<u>2040</u>	<u>30</u>	<u>Anhydrite and sand</u>
<u>2040</u>	<u>2065</u>	<u>25</u>	<u>Red Sand - H. F. water</u>
<u>2065</u>	<u>2430</u>	<u>365</u>	<u>Anhydrite, red sand</u>
<u>2430</u>	<u>2500</u>	<u>70</u>	<u>Lime</u>
<u>2500</u>	<u>2540</u>	<u>40</u>	<u>Sand, Anhydrite</u>
<u>2540</u>	<u>2735</u>	<u>195</u>	<u>Lime with several sand breaks</u>
<u>2735</u>	<u>2755</u>	<u>20</u>	<u>Sand - show oil</u>
<u>2755</u>	<u>2761</u>	<u>6</u>	<u>Lime</u>
	<u>2761</u>	<u>T. D.</u>	
Summary of log tops:			
Top Salt	<u>550</u>	Top Queen	<u>2017</u>
Base Salt	<u>1018</u>	Top Grayburg	<u>2430</u>
Top Yates	<u>1178</u>	Top Premier	<u>2728</u>

U.S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

Signed _____

Well No. 2-11 Sec. 31 T. 12N R. 30E Meridian _____

Location NE 1/4 of 31 Line and 1240 (E) of 31 Line of _____

Elevation 1698 _____

County _____ State Tex. Mexico _____

Address _____ P. O. Box 2019 _____

Company _____ John H. Higgs _____

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

Commenced drilling January 1, 1922 Finished drilling February 1, 1922

Date _____ Title _____

OIL OR GAS SANDS OR ZONES

(D) Note gas by (G)

No. 1, from	to	2135	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 _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____

CASING RECORD

[illegible]

MUDGING AND CEMENTING RECORD

Amount of mud used	Mud gravity	Method used	Number sacks of cement	Water used	Time
25 cu yds	1.25	Hand	10	250	1/2
		Hand	10	250	1/2
		Hand	10	250	1/2

PLUGS AND ADAPTERS

Adapters—Material	Size	Length	Depth set
Heaving plug—Material			

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

It gas well, cm. ft. per 24 hours	Gallons gasoline per 1,000 cu. ft. of gas
Emulsion; % water; and % sediment.	Gravity, °Bé.
The production for the first 24 hours was 29	barrels of fluid of which 100 % was oil.
April 30	1924

[illegible]

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Top Yates	1178		Top Proctor
Base Yates	1018		Top Grayburg
Top Salt	520		Top Green
Summary of log notes			
2752	2752	0	Lime
2732	2722	20	Sand - sand oil
2740	2732	132	Lime with several sand breaks
2800	2740	40	Sand, Anhydrite
2830	2800	70	Lime
2862	2830	382	Anhydrite, red sand
2840	2862	22	Red Sand - H. F. water
2810	2840	30	Anhydrite and sand
1222	2810	782	21. odor gas 1482-92 S.M. 1922-1928
1170	1222	52	Anhydrite with lime, sand, small pieces
972	1170	198	Red Sand and shale
522	972	450	Anhydrite with sand and small pieces
302	522	220	Salt
300	302	2	Anhydrite and shale
0	300	300	Red Sand