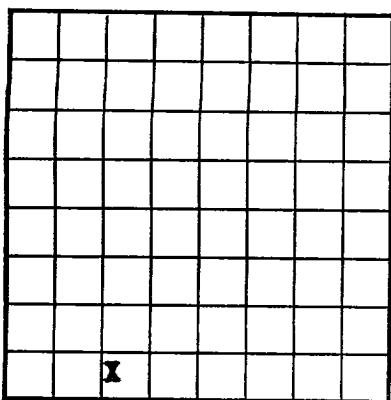
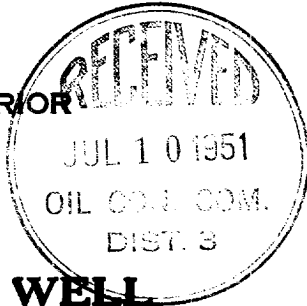




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078500
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Byrd-Frost, Inc. Address P. O. Box 911 Durango, Colorado
Lessor or Tract Emma T. Russell Field Largo Ext. State New Mexico
Well No. 1 Sec. 24 T. 28N R. 8W Meridian N.M.P.M. County San Juan
Location 567 ft. ^[N.]_[S.] of 8 Line and 1527 ft. ^[E.]_[W.] of W Line of Sec. 24, T-28N, 8W Elevation 5937' Gr.
(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 John Caruthers
Title Dist. Office Mgr.

Date 7-7-51

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

Commenced drilling 3-14, 19 51 Finished drilling 6-4, 19 51

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2449 to 2569 Gas No. 4, from _____ to _____
No. 2, from 4106 to 4205 Gas No. 5, from _____ to _____
No. 3, from 4658 to 4815 Gas 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>13-3/8"</u>	<u>48#</u>	<u>8</u>	<u>J & L</u>	<u>102'</u>	<u>Texas</u>	<u>Cemented</u>			<u>Surface</u>
<u>7"</u>	<u>23#</u>	<u>8</u>	<u>J & L</u>	<u>4110'</u>	<u>HOWCO</u>	<u>Cemented w/2 stage</u>			<u>Production</u>
<u>2"</u>	<u>4.7#</u>	<u>8</u>	<u>J & L</u>	<u>4866'</u>					<u>Tubing</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8"</u>	<u>102'</u>	<u>100</u>	<u>HOWCO</u>	<u>9.7</u>	<u>Circulated</u>
<u>7"</u>	<u>4110'</u>	<u>317 HOWCO 2 stage</u>	<u>HOWCO</u>	<u>9.7</u>	<u>Circulated</u>
	<u>1st stage w/167 sacks, Ran Temp. Survey top cement 2663, 2nd stage w/150 sacks</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
<u>5</u>	<u>45</u>	<u>SNQ</u>	<u>2060</u>	<u>6-5-51</u>	<u>4160-4850</u>	<u>4835</u>

TOOLS USED

Rotary tools were used from 0 feet to 4110 feet, and from _____ feet to _____ feet
Cable tools were used from 4110 feet to 4850 feet, and from _____ feet to _____ feet

DATES

Completed 6-14, 19 51 Put to producing Shut-in for Pipe Line, 19 _____ Connection

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 2,530 MCF Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1015#

EMPLOYEES

R. L. Davis, Driller K. E. Larson, Driller
K. E. Harlan, Driller N. N. Brink, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>102</u>	<u>102</u>	<u>Surface</u>
<u>102</u>	<u>130</u>	<u>28</u>	<u>Sand</u>
<u>130</u>	<u>536</u>	<u>406</u>	<u>Sand & Shale</u>
<u>536</u>	<u>719</u>	<u>183</u>	<u>Shale</u>
<u>719</u>	<u>1290</u>	<u>571</u>	<u>Sand & Shale</u>
<u>1290</u>	<u>1440</u>	<u>150</u>	<u>Shale</u>
<u>1440</u>	<u>1852</u>	<u>412</u>	<u>Sand & Shale</u>
<u>1852</u>	<u>2290</u>	<u>438</u>	<u>Shale</u>
<u>2290</u>	<u>2449</u>	<u>159</u>	<u>Shale - Coal</u>
<u>2449</u>	<u>2520</u>	<u>71</u>	<u>Sand</u>
<u>2520</u>	<u>2624</u>	<u>104</u>	<u>Sand & Shale</u>
<u>2624</u>	<u>3548</u>	<u>924</u>	<u>Shale</u>
<u>3548</u>	<u>3771</u>	<u>223</u>	<u>Sand & Shale</u>
<u>3771</u>	<u>3814</u>	<u>43</u>	<u>Shale</u>
<u>3814</u>	<u>3942</u>	<u>128</u>	<u>Sand & Shale</u>
<u>3942</u>	<u>4040</u>	<u>98</u>	<u>Shale</u>
<u>4040</u>	<u>4125</u>	<u>85</u>	<u>Sand & Shale</u>
<u>4125</u>	<u>4135</u>	<u>10</u>	<u>Sand & Coal</u>
<u>4135</u>	<u>4200</u>	<u>65</u>	<u>Sand</u>
<u>4200</u>	<u>4225</u>	<u>25</u>	<u>Sand & Shale</u>
<u>4225</u>	<u>4235</u>	<u>10</u>	<u>Shale</u>
<u>4235</u>	<u>4245</u>	<u>10</u>	<u>Sand & Shale</u>
<u>4245</u>	<u>4255</u>	<u>10</u>	<u>Shale</u>
<u>4255</u>	<u>4265</u>	<u>10</u>	<u>Sand</u>
<u>4265</u>	<u>4280</u>	<u>15</u>	<u>Coal & Sand</u>

(OVER)

16-43094-2

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
4280	4300	20	Shale
4300	4320	20	Sand & Shale
4320	4365	45	Sand
4365	4375	10	Black Shale
4375	4380	5	Sandy Shale
4380	4420	40	Sand & Shale
4420	4435	15	Gray Shale
4435	4460	25	Sand
4460	4525	65	Sand & Shale
4525	4540	15	Shale
4540	4555	15	Sand
4555	4580	25	Sand, Shale, Coal
4580	4615	35	Sand, Shale
4615	4640	25	Shale
4640	4668	28	Sand & Shale
4668	4815	147	Sand
4815	4850	35	Sand & Shale
T.D. 4850			

FROM—	TO—	TOTAL FEET	FORMATION
FORMATION RECORD			
Driller			
Driller			
EMPLOYEES			
Gallons Gasoline per 1,000 cu. ft. of gas			
Cubic ft. of water and sediment			
The production for the first 24 hours was			
Barrels of fluid in which was oil			
Barrels of fluid in which was oil			
DATES			
Casing tools were used from			
Drilling tools were used from			
TOOLS USED			
SHOOTING RECORD			
DEPTHS AND VALVES			
MODIFYING OR REVERSING RECORD			

HISTORY OF OIL OR GAS WELL

16-43004-1 U. S. GOVERNMENT PRINTING OFFICE

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.

DATE	DESCRIPTION	DEPTH	REMARKS

CASING RECORD

DATE	DESCRIPTION	DEPTH	REMARKS

INFORE AND WATER SANDS

DATE	DESCRIPTION	DEPTH	REMARKS

OIL OR GAS SANDS OR ZONES

DATE	DESCRIPTION	DEPTH	REMARKS

Completed drilling on this date. The running on this date is for the condition of the well at above date.

DATE: _____

so far as can be determined from all available records.

The information given hereafter is a complete and correct record of the well and all work done thereon.

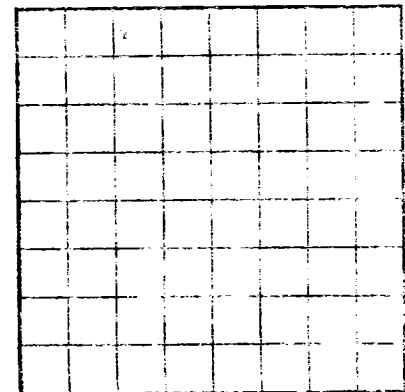
Location: _____ of _____ and _____ of _____ Elevation _____

Well No. _____ of _____ Meridian _____ County _____

Owner or Lessee _____ State _____

Company _____ Address _____

LOCATE WELL CORRECTLY



LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEASE OR PERMIT TO PROSPECT

SIGNED: _____

BY: _____

DATE: _____

WITNESSED BY: _____

WITNESSED BY: _____

WITNESSED BY: _____