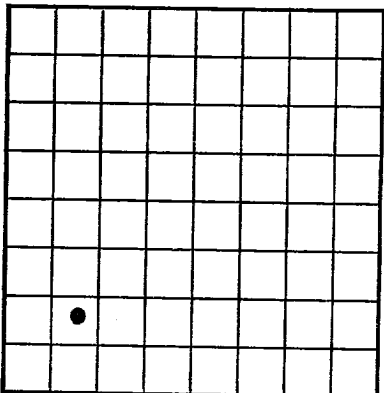


U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 079074

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1104 Burt Bldg., Dallas, Texas
Lessor or Tract McElvain Field Blanco State New Mexico
Well No. 1 Sec. 27 T. 30N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. N. of S. Line and 990 ft. E. of W. Line of Sec. 27 Elevation 6909
(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 Van Thompson
Date October 28, 1952 Title Manager Exploration Dept.

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

Commenced drilling August 16, 1952, 19____ Finished drilling October 14 / 11, 19____ 52

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5550 G to 5660 No. 4, from _____ to _____
No. 2, from 5770 G to 6100 No. 5, from _____ to _____
No. 3, from _____ to _____ 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 _____	Purpose
<u>9-5/8 36#</u>			<u>H-40</u>	<u>218'</u>			<u>Surface</u>
<u>5 1/2 18.5</u>			<u>H-40</u>	<u>59'</u>			<u>Production</u>
<u>1.9 2.75#</u>		<u>tubing (German)</u>	<u>H-40</u>	<u>6040'</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>215'</u>	<u>125</u>	<u>Halliburton</u>		
<u>5 1/2</u>	<u>5440</u>	<u>225</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
		<u>Nitro Glycerine</u>	<u>1462 G</u>	<u>10/11</u>	<u>5550-6292</u>	<u>To TD of 6292</u>

TOOLS USED

Rotary tools were used from 0 feet to 5440 feet, and from _____ feet to _____ feet
Cable tools were used from 5440 feet to 6292 feet, and from _____ feet to _____ feet

DATES

October 14, 1952, 19____ Put to producing _____, 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 1780 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 982# Well had been shut in 168 hours

EMPLOYEES

Fleeger-Riley Drilling Co., Driller Rotary contractor, Driller
H. H. McDonald, Driller M. Gromley, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>225</u>	<u>225</u>	<u>Surface sand</u>
<u>225</u>	<u>4228</u>	<u>4003</u>	<u>Sand and shale</u> <u>Top PICTURED CLIFFS 3790'</u>
<u>4228</u>	<u>4316</u>	<u>88</u>	<u>Shale</u>
<u>4316</u>	<u>4453</u>	<u>137</u>	<u>Sand and shale</u>
<u>4433</u>	<u>4553</u>	<u>105</u>	<u>Shale</u>
<u>4558</u>	<u>4678</u>	<u>120</u>	<u>Sand and shale</u>
<u>4678</u>	<u>4770</u>	<u>92</u>	<u>Shale</u>
<u>4770</u>	<u>4892</u>	<u>122</u>	<u>Sand and shale</u>
<u>4892</u>	<u>4929</u>	<u>37</u>	<u>Shale</u>
<u>4929</u>	<u>5052</u>	<u>123</u>	<u>Sand and shale</u>
<u>5052</u>	<u>5083</u>	<u>31</u>	<u>Shale</u>
<u>4083</u>	<u>5234</u>	<u>151</u>	<u>Sand and shale</u>
<u>5234</u>	<u>5262</u>	<u>28</u>	<u>Shale</u>
<u>5262</u>	<u>5373</u>	<u>111</u>	<u>Sand and shale</u>
<u>5363</u>	<u>5382</u>	<u>19</u>	<u>Shale</u>
<u>5382</u>	<u>5440</u>	<u>58</u>	<u>Sand and shale - Changed to Cable tools</u>
<u>5440</u>	<u>5505</u>	<u>65</u>	<u>Sand and shale</u>
<u>5505</u>	<u>5559</u>	<u>54</u>	<u>Sand - TOP CLIFF HOUSE 5550'</u>
<u>5559</u>	<u>5600</u>	<u>51</u>	<u>Broken sand</u>
<u>5600</u>	<u>5653</u>	<u>53</u>	<u>Sand</u>
<u>5653</u>	<u>5660</u>	<u>7</u>	<u>Coal</u>
<u>5660</u>	<u>5785</u>	<u>125</u>	<u>Shale, coal and sand</u>
<u>5785</u>	<u>5890</u>	<u>105</u>	<u>Sand and shale - TOP POINT LOOKOUT 5770'</u>
<u>5890</u>	<u>5990</u>	<u>100</u>	<u>Sand, shale and coal</u>
<u>5990</u>	<u>6145</u>	<u>155</u>	<u>Sand</u>
<u>6145</u>	<u>6292 T.D.</u>	<u>147</u>	<u>Sand and shale</u>

