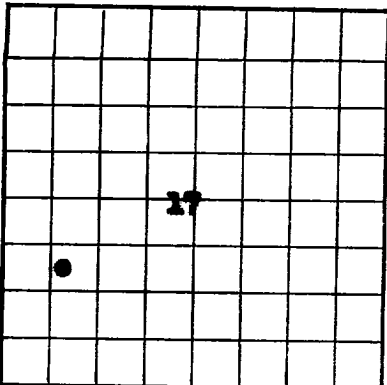


U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 678433

LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address Burt Bldg., Dallas, Texas
Lessor or Tract Dawson Field Blanco State New Mexico
Well No. 1 Sec. 17 T. 29N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1850 ft. ^[N.] of 8 Line and 905 ft. ^[E.] of 17 Line of Sec. 17 Elevation 6846 ft. (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 January 13, 1953 Title Manager Exploration Dept.

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

Commenced drilling September 19, 1952, 1952 Finished drilling November 5, 1952

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

No. 1, from 5310-6 to 6297 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. 3, from _____
No. 2, from _____ to _____ No. 4, from _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
<u>9-5/8"</u>	<u>244</u>		<u>E-40</u>	<u>224</u>					<u>Surface</u>
<u>7" OD</u>	<u>208</u>		<u>J-55</u>	<u>3213</u>					<u>Production</u>
<u>2 3/8"</u>	<u>4.74</u>	<u> tubing</u>	<u>J-55</u>	<u>6290</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>202-215</u>	<u>125</u>	<u>Halliburton</u>		
<u>7"</u>	<u>5197</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>1990 G</u>	<u>11/6/52</u>	<u>5360-6290</u>	<u>6297</u>

TOOLS USED

Rotary tools were used from 0 feet to 5320 feet, and from _____ feet to _____ feet
Cable tools were used from 5310 feet to 6297 feet, and from _____ feet to _____ feet

DATES

~~Started~~ November 7, 1952 Put to producing _____, 1952

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 728 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 10905 / 6hr

EMPLOYEES

Fleeger-Riley Drilling Co., Driller Rotary S. T. Clark, Driller
Southern Union Gas Co drilled in, Driller M. B. Granley, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2770</u>	<u>2770</u>	<u>Sand and shale</u>
<u>2770</u>	<u>2870</u>	<u>100</u>	<u>Sand</u>
<u>2870</u>	<u>3425</u>	<u>405</u>	<u>Sand and shale</u>
<u>3425</u>	<u>3555</u>	<u>130</u>	<u>Sandy shale and coal</u>
<u>3555</u>	<u>3625</u>	<u>70</u>	<u>Shale</u>
<u>3625</u>	<u>3800</u>	<u>175</u>	<u>Sand and shale</u>
<u>3800</u>	<u>3915</u>	<u>115</u>	<u>Shale</u>
<u>3925</u>	<u>4040</u>	<u>125</u>	<u>Sand and shale</u>
<u>4040</u>	<u>4190</u>	<u>150</u>	<u>Shale</u>
<u>4190</u>	<u>4353</u>	<u>163</u>	<u>Sand and shale</u>
<u>4353</u>	<u>4445</u>	<u>92</u>	<u>Shale</u>
<u>4445</u>	<u>4600</u>	<u>155</u>	<u>Sand and shale</u>
<u>4600</u>	<u>4670</u>	<u>70</u>	<u>Shale</u>
<u>4670</u>	<u>4807</u>	<u>137</u>	<u>Sand and shale</u>
<u>4807</u>	<u>4832</u>	<u>25</u>	<u>Shale</u>
<u>4832</u>	<u>4926</u>	<u>94</u>	<u>Sand and shale</u>
<u>4926</u>	<u>4975</u>	<u>49</u>	<u>Shale</u>
<u>4975</u>	<u>5210</u>	<u>235</u>	<u>Sand and shale</u>
<u>5210</u>	<u>5435</u>	<u>225</u>	<u>Sand</u>
<u>5435</u>	<u>5515</u>	<u>80</u>	<u>Sand and shale</u>
<u>5515</u>	<u>5735</u>	<u>220</u>	<u>Sand, shale and coal</u>
<u>5735</u>	<u>6297 TD</u>	<u>562</u>	<u>Sand and shale</u>

Geological Terms
Top Pictured Cliffs 3628'
" Cliff House 5310'
" Paint Lookout 5760'

0177-396X/00/1704-0420\$10.00/0

13-00000

[illegible]

U. S. GOVERNMENT PRINTING OFFICE 16-53094-1

FROM -	TO -	TOTAL FEET	FORMATION
			CLAYSTONE
			SANDSTONE
			SHALE
			LIMESTONE
			GRAVEL
			SILTSTONE
			CONGLOMERATE
			MUDSTONE
			SAND
			CLAY
			GRAVELL
			SILT
			MUD
			CONGLOMERATE
			MUDSTONE
			SANDSTONE
			CLAYSTONE
			SHALE
			LIMESTONE
			GRAVEL
			SILTSTONE
			CONGLOMERATE
			MUDSTONE
			SAND
			CLAY
			GRAVELL
			SILT
			MUD
			CONGLOMERATE
			MUDSTONE
			SANDSTONE
			CLAYSTONE
			SHALE
			LIMESTONE
			GRAVEL
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			CONGLOMERATE
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			CLAYSTONE
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			GRAVEL
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			SAND
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			SILT
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			CONGLOMERATE
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			SANDSTONE
			CLAYSTONE
			SHALE
			LIMESTONE
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			CONGLOMERATE
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			SAND
			CLAY
			GRAVELL
			SILT
			MUD
			CONGLOMERATE
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			SANDSTONE
			CLAYSTONE
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			SAND