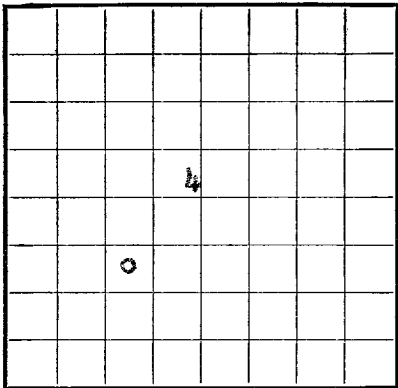




U. S. LAND OFFICE Santa Fe
SERIAL NUMBER LM 02555
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Southern Union Gas Company Address 1001 Burt Building, Dallas, Texas
Lessor or Tract McCroden Field Tapacito State New Mexico
Well No. 1-B Sec. 4 T. 25N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 1850 ft. N of N Line and 1850 ft. E of N Line of Section 4 Elevation 7240
(Derriek 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. S. Muenink Title Exploration Engineer
Date October 22, 1957

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

Commenced drilling 6-15-, 1957 Finished drilling 6-23-, 1957

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

No. 1, from 3775 to 3816 (G) 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 _____ 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>9-5/8</u>	<u>32.30</u>	<u>8RD</u>	<u>A-40</u>	<u>212</u>					<u>Surface Production</u>
<u>5-1/2</u>	<u>15.54</u>	<u>8RD</u>	<u>J-55</u>	<u>3867</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>193' RKB</u>	<u>160</u>	<u>Halliburton</u>		
<u>5-1/2</u>	<u>3857' RKB</u>	<u>150</u>	<u>Halliburton</u>		
<u>2-3/8</u>	<u>3706</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>Perf.</u>	<u>3775-3816</u>	<u>fraced with</u>	<u>94,290</u>	<u>gals. water and</u>	<u>80,000# sand.</u>	<u>I.R. 48.2 BPM</u>

TOOLS USED

Rotary tools were used from -0- feet to 3860 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

7-2-, 1957 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 8816 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1017# / 96 days

EMPLOYEES

Fleeger Drilling, Inc., Driller Joe Yoster, Driller
V. D. Smith, Driller W. N. Peebles, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>-0-</u>	<u>206</u>	<u>206</u>	<u>Sand & shale</u>
<u>206</u>	<u>870</u>	<u>664</u>	<u>Sand & shale</u>
<u>870</u>	<u>1140</u>	<u>270</u>	<u>Sand & shale</u>
<u>1140</u>	<u>1428</u>	<u>288</u>	<u>Sand & shells</u>
<u>1428</u>	<u>2000</u>	<u>572</u>	<u>Sand & shale</u>
<u>2000</u>	<u>2240</u>	<u>240</u>	<u>Sand & shale streaks</u>
<u>2240</u>	<u>2538</u>	<u>298</u>	<u>Shale & sand</u>
<u>2538</u>	<u>2809</u>	<u>271</u>	<u>Shale</u>
<u>2809</u>	<u>2900</u>	<u>91</u>	<u>Shale & sand</u>
<u>2900</u>	<u>3092</u>	<u>192</u>	<u>Shale</u>
<u>3092</u>	<u>3300</u>	<u>208</u>	<u>Shale & sand</u>
<u>3300</u>	<u>3393</u>	<u>93</u>	<u>Shale</u>
<u>3393</u>	<u>3594</u>	<u>201</u>	<u>Sand & shale</u>
<u>3594</u>	<u>3750</u>	<u>156</u>	<u>Shale & coal</u>
<u>3750</u>	<u>3814</u>	<u>64</u>	<u>Sand & shale</u>
<u>3814</u>	<u>3860 TD</u>	<u>46</u>	<u>Shale</u>

TOPS: Pictured Cliffs 3770

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, or shots.

HISTORY OF OIL OR GAS WELL.

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