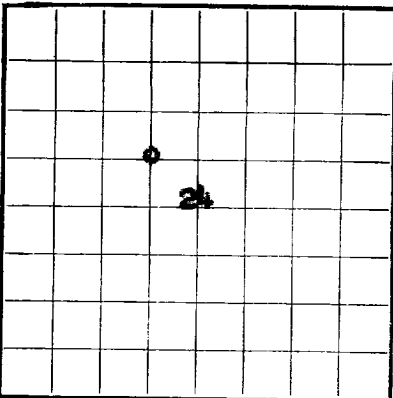
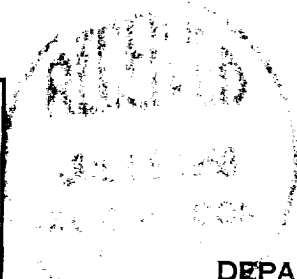




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Ute Mountain Tribal
SERIAL NUMBER Contract No.
14-20-604-123
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Bldg., Dallas, Texas
Lessor or Tract Ute Indian Field Verde Gallup State New Mexico
Well No. 5-24 Sec. 24 T. 31N R. 15W Meridian N.M.P.M. County San Juan
Location 1980 ft. N of N. Line and 1980 ft. E of W Line of Section 24 Elevation 5533'
(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 A. M. Wiederkahr
Title Mgr., Exploration Dept.

Date July 15, 1958

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

Commenced drilling 5-20-, 19 58 Finished drilling 6-27-, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2239 to 2280 (0) 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>13-3/8</u>	<u>48.4</u>	<u>8RD</u>	<u>H-40</u>	<u>85.52</u>					<u>Surface Production</u>
<u>5-1/2</u>	<u>13.57</u>	<u>8RD</u>	<u>J-55</u>	<u>2238.94</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>91.50'</u>	<u>80</u>	<u>Halliburton</u>		
<u>5-1/2</u>	<u>2238.94'</u>	<u>95</u>	<u>Halliburton</u>		
<u>2"</u>	<u>2260'</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>FORE</u>					

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2280 feet, and from _____ feet to _____ feet

DATES

7-9-, 19 58 Put to producing _____, 19 _____

The production for the first 24 hours Pumped 97.13 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. 1" pump x 16 spm 36" stroke

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Benson-Martin-Greer Drilling Corp. Driller E. H. Washburn, Driller
Rufus Dunlap, Driller Bill Wells, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0-</u>	<u>95</u>	<u>95</u>	<u>Shale</u>
<u>95</u>	<u>110</u>	<u>15</u>	<u>Sand</u>
<u>110</u>	<u>115</u>	<u>5</u>	<u>Shale blue</u>
<u>115</u>	<u>165</u>	<u>50</u>	<u>Sand</u>
<u>165</u>	<u>210</u>	<u>45</u>	<u>Sandy shale</u>
<u>210</u>	<u>230</u>	<u>20</u>	<u>Black shale & coal</u>
<u>230</u>	<u>245</u>	<u>15</u>	<u>Shale</u>
<u>245</u>	<u>260</u>	<u>15</u>	<u>Sand</u>
<u>260</u>	<u>430</u>	<u>170</u>	<u>Shale</u>
<u>430</u>	<u>435</u>	<u>5</u>	<u>Gray shale</u>
<u>435</u>	<u>465</u>	<u>30</u>	<u>Shale</u>
<u>465</u>	<u>500</u>	<u>35</u>	<u>Sandy shale</u>
<u>500</u>	<u>535</u>	<u>35</u>	<u>Shale</u>
<u>535</u>	<u>555</u>	<u>20</u>	<u>Snd</u>
<u>555</u>	<u>575</u>	<u>20</u>	<u>Shale</u>
<u>575</u>	<u>610</u>	<u>35</u>	<u>Sand</u>
<u>610</u>	<u>635</u>	<u>25</u>	<u>Shale</u>
<u>635</u>	<u>665</u>	<u>30</u>	<u>Sand</u>
<u>665</u>	<u>800</u>	<u>135</u>	<u>Shale</u>
<u>800</u>	<u>810</u>	<u>10</u>	<u>Sand</u>
<u>810</u>	<u>850</u>	<u>40</u>	<u>Shale</u>
<u>850</u>	<u>895</u>	<u>45</u>	<u>Sand</u>
<u>895</u>	<u>950</u>	<u>55</u>	<u>Shale</u>
<u>950</u>	<u>965</u>	<u>15</u>	<u>Sandy shale</u>
<u>965</u>	<u>985</u>	<u>20</u>	<u>Shale</u>
<u>985</u>	<u>1010</u>	<u>25</u>	<u>Sandy shale</u>

TOPS:
Point Lookout 995
Giltstone 1810
Mancoes Pay 2239

