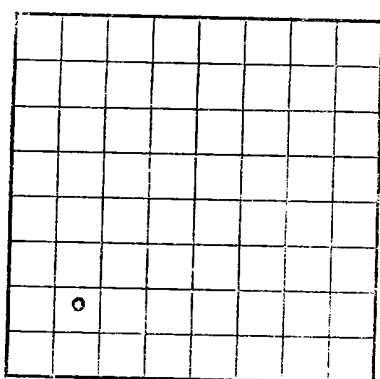


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078354
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1104 Burt Bldg., Dallas 1, Texas
Lessor or Tract Riddle Field Fulcher-Kutz State New Mexico
Well No. 1 Sec. 17 T. 29N R. 9W Meridian N.M.P.M. County San Juan
Location 990 ft. N. of S. Line and 1090 ft. E. of W. Line of sec. 17 Elevation 6357 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 [Signature]
Date March 10, 1952 Title Manager, Exploration Dept.

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

Commenced drilling December 14, 1951, 19____ Finished drilling January 26, 1952, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2242 to 2350 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>2-5/8"</u>	<u>32</u>		<u>J 55</u>	<u>94'</u>					<u>Surface Production</u>
<u>5 1/2"</u>	<u>14</u>		<u>H-40</u>	<u>2272</u>					
<u>1"</u>	<u>11</u>			<u>2290</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>2-5/8"</u>	<u>93</u>	<u>75</u>	<u>Halliburton</u>		
<u>5 1/2"</u>	<u>2244'</u>	<u>75</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>148 qts</u>	<u>1/24</u>	<u>2256-2322</u>	<u>2350</u>

TOOLS USED

Rotary tools were used from 0 feet to 2244 feet, and from _____ feet to _____ feet
Cable tools were used from 2244 feet to 2350 feet, and from _____ feet to _____ feet

DATES

January 26, 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. _____

It gas well, cu. ft. per 24 hours 686 MCF Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 529#

EMPLOYEES

Donnan Drilling Company, rotary, Driller contractor _____, Driller
Mike Cronley, Driller J. F. Smith, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1230</u>	<u>930</u>	<u>sand and shale</u>
<u>1230</u>	<u>1232</u>	<u>2</u>	<u>sand, shale and alamo</u>
<u>1232</u>	<u>1242</u>	<u>10</u>	<u>sand and shale</u>
<u>1242</u>	<u>1540</u>	<u>112</u>	<u>iron sand</u>
<u>1540</u>	<u>1700</u>	<u>140</u>	<u>sand and shale</u>
<u>1700</u>	<u>1810</u>	<u>100</u>	<u>shale</u>
<u>1810</u>	<u>1906</u>	<u>176</u>	<u>sand and shale</u>
<u>1906</u>	<u>2010</u>	<u>114</u>	<u>shale and coal</u>
<u>2010</u>	<u>2075</u>	<u>65</u>	<u>shale, coal and sand</u>
<u>2075</u>	<u>2200</u>	<u>25</u>	<u>sand</u>
<u>2200</u>	<u>2315</u>	<u>25</u>	<u>sandy shale</u>
<u>2315</u>	<u>2335</u>	<u>20</u>	<u>sand</u>
<u>2335</u>	<u>2350</u>	<u>15</u>	<u>sand and shale</u>
Total of 15 feet of formation 2335'			

