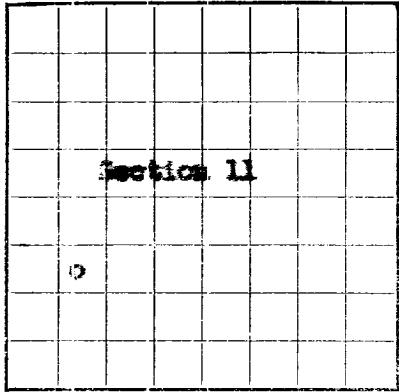


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SP 078508
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 East 11th St. Dallas, Texas
Lessor or Tract Meridian Field Blanco State New Mexico
Well No. 2 Sec. 11 T. 31 R. 9 Meridian N.M.P.M. County Sun Juan
Location 1505 ft. N. of 3 Line and 800 ft. E. of W. Line of Section 11 Elevation 6494
(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 J. S. Mummink
Date January 2, 1957 Title Exploration Engineer

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

Commenced drilling 11-10-, 1956 Finished drilling 11-29-, 1956

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

No. 1, from 523 to 5762 (2) 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>10-3/4</u>	<u>32.75</u>	<u>8.00</u>	<u>H-40</u>	<u>188'</u>					<u>Surface Prod.</u>
<u>7-5/8</u>	<u>25.40</u>	<u>8.00</u>	<u>J-55</u>	<u>171'</u>					
<u>5-1/2</u>	<u>17.5</u>	<u>8.00</u>	<u>J-55</u>	<u>792'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>201-233</u>	<u>175</u>	<u>Balliburton</u>		
<u>7-5/8</u>	<u>3489-3530</u>	<u>175</u>	<u>Balliburton</u>		
<u>5-1/2</u>	<u>5606-5638</u>	<u>225</u>	<u>Balliburton</u>		
<u>2</u>	<u>5719</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>Perforated</u>	<u>5746-5762</u>	<u>5734-5732</u>	<u>5690-5704</u>	<u>5576-5582</u>	<u>5606-5660</u>	<u>5614-5623</u>
<u>5358-5375</u>	<u>5264-5307</u>	<u>- Sent water trace with 97,500' sand, 102' 32 gals. water and 320 rubber balls.</u>				

TOOLS USED

Rotary tools were used from 0- feet to 3490 feet, and from 3490 feet to 5810 feet
Cable tools were used from cleaning out & fracturing feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ 1956 Put to producing _____ 1956

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 8054 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1042 1/2 psi

EMPLOYEES

_____, Driller _____, Driller
Garner Bros. Drilling Co. _____
M. W. Roberts _____

FORMATION RECORD

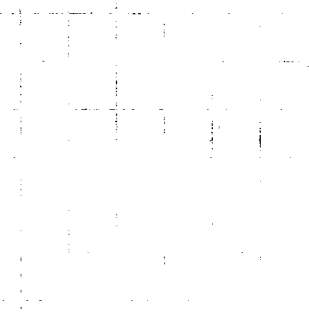
FROM—	TO—	TOTAL FEET	FORMATION
<u>0-</u>	<u>206</u>	<u>206</u>	<u>Sandstone</u>
<u>206</u>	<u>385</u>	<u>179</u>	<u>Shale</u>
<u>385</u>	<u>1815</u>	<u>1430</u>	<u>Sand & shale</u>
<u>1815</u>	<u>2000</u>	<u>185</u>	<u>Sand, shale & lime shells</u>
<u>2000</u>	<u>2244</u>	<u>244</u>	<u>Shale & shells</u>
<u>2244</u>	<u>2640</u>	<u>596</u>	<u>Sand & shale</u>
<u>2640</u>	<u>2653</u>	<u>13</u>	<u>Shale</u>
<u>2653</u>	<u>3185</u>	<u>332</u>	<u>Sand & shale</u>
<u>3185</u>	<u>3447</u>	<u>256</u>	<u>Sand, shale & coal</u>
<u>3447</u>	<u>3490</u>	<u>49</u>	<u>Shale</u>
<u>3490</u>	<u>4542</u>	<u>1052</u>	<u>Sand & shale</u>
<u>4542</u>	<u>4618</u>	<u>76</u>	<u>Shale</u>
<u>4618</u>	<u>5356</u>	<u>738</u>	<u>Shale & sand</u>
<u>5356</u>	<u>5395</u>	<u>39</u>	<u>Shale</u>
<u>5395</u>	<u>5810 TD</u>	<u>415</u>	<u>Shale & sand</u>
	<u>TOPS: Picture Cliff: 1335</u>		
	<u>Cliff House 7200</u>		
	<u>Point Lookout 5600</u>		

[illegible][illegible][illegible]

..... **REDACTED** **REDACTED**

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

[illegible]

11/15/52

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

[illegible]

12/1/50
NOV 30 1950
12/1/50

SECRET

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-16-2007 BY 60322 UCBAW/SJS/KSP

with the reasons for the work and the 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.

HISTORY OF OIL OR GAS WELL

10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]