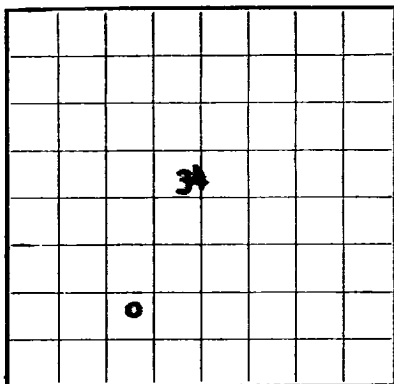


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 27 078425
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
OCT 14 1957
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Bart Bldg., Dallas, Texas
Lessor or Tract San Juan 29-7 Unit Field Blanco State Rio Arriba
Well No. 61 Sec. 34 T. 29N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 950 ft. N. of S Line and 1740 ft. E. of W Line of Section 34 Elevation 6703
(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 L. S. Mammick
Title Exploration EngineerDate October 10, 1957

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

Commenced drilling 7-16-, 19 57 Finished drilling 8-1-, 19 57OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 5068 to 5326 (G) No. 4, from
No. 2, from 5507 to 5742 (G) No. 5, from
No. 3, from to No. 6, from

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>8SD</u>	<u>E-40</u>	<u>195.50'</u>					<u>Surface Production</u>
<u>7-5/8</u>	<u>26.46</u>	<u>8SD</u>	<u>E-55</u>	<u>361.51'</u>					
<u>5-1/2</u>	<u>23.54</u>	<u>8SD</u>	<u>E-55</u>	<u>577.77'</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>308.10' to 361.51'</u>	<u>200</u>	<u>Ballston</u>		
<u>7-5/8</u>	<u>361.51' to 577.77'</u>	<u>150</u>	<u>Ballston</u>		
<u>5-1/2</u>	<u>liner, top 3280, bottom 5777 w/250 sacks</u>				
<u>2-3/8</u>	<u>5777'</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. 5507-34, 5555-72, 5612-5742, fraced with 65,500 gals. water & 65,000# sand.</u>						
<u>Perf. 5068-5157, 5326-5326, fraced with 65,000 gals. water & 45,000# sand.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 361.51' w/mud feet, and from 361.51' feet to 5777' w/sand feet
Cable tools were used from feet to feet, and from feet to feet

DATES

8-6-, 19 57 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 9768 MCF Gallons gasoline per 1,000 cu. ft. of gasRock pressure, lbs. per sq. in. 10844/50 days

EMPLOYEES

Fleeger Drilling, Inc., Driller J. M. Murphy, Driller
R. L. Lynch, Driller J. A. Thompson, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>210</u>	<u>210</u>	<u>Sand, rock shale</u>
<u>210</u>	<u>2672</u>	<u>2462</u>	<u>Sand & shale</u>
<u>2672</u>	<u>2702</u>	<u>32</u>	<u>Hard sand</u>
<u>2702</u>	<u>3277</u>	<u>575</u>	<u>Sand & shale</u>
<u>3277</u>	<u>3430</u>	<u>153</u>	<u>Shale & coal</u>
<u>3430</u>	<u>5780 TD</u>	<u>2350</u>	<u>Sand & shale</u>

TOPS: Pictured Cliffs 3430
Cliff House 5070
Point Lookout 5600

LOG OF OIL OR GAS WELL

[illegible]

LOCATE HERE: CORRESPONDENCE

_____ *John M. Allen* Date _____

[illegible][illegible]

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 "struck" 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 things 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

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]