



U. S. LAND OFFICE **Santa Fe**  
SERIAL NUMBER **078931-B**  
LEASE OR PERMIT TO PROSPECT


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Tennessee Gas Transmission Co. Address P. O. Box 1714, Durango, Colorado  
Lessor or Tract Green H. Callow Gas Unit "A" Field West Kutz Dakota State New Mexico  
Well No. 1 Sec. 27 T. 29N R. 13W Meridian NMPM County San Juan  
Location 990 ft. N. of N Line and 990 ft. W. of W Line of Section 27 Elevation 5300' GL.  
(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] I. P. Plumb  
Date January 6, 1961 Title District Production Supt.

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

Commenced drilling 10 - 18, 19 60 Finished drilling 11 - 1, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)  
No. 1, from 970 to 980 No. 4, from      to       
No. 2, from 975 to 980 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>40</u>	<u>8 rd</u>	<u>CP&amp;I</u>	<u>160'</u>	<u>Guide</u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>Surface</u>
<u>4 1/2</u>	<u>9.38</u>	<u>8 rd</u>	<u>CP&amp;I</u>	<u>583'</u>	<u>Flange</u>	<u>    </u>	<u>9570</u>	<u>9600</u>	<u>Production</u>
							<u>9772</u>	<u>9810</u>	<u>Production</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>174</u>	<u>175</u>	<u>Two plug</u>		
<u>4 1/2</u>	<u>5833</u>	<u>300</u>	<u>Two plug</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

TOOLS USED

Rotary tools were used from 0 feet to 990 feet, and from      feet to      feet  
Cable tools were used from      feet to      feet, and from      feet to      feet

DATES Potential test 11-15-60. Flowed 12,594  
MCY calculated from 3 hr test, ACF 22,905  
Put to producing November 15, 1960 MCY

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      Gallons gasoline per 1,000 cu. ft. of gas       
Rock pressure, lbs. per sq. in.     

EMPLOYEES

    , Driller     , Driller  
    , Driller     , Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	12	12	K.B. to ground level.
12	445	433	Shale and sand stringers.
445	1100	655	Brown shale.
1100	1290	190	Sandstone with shale stringers.
1290	2090	800	Gray shale.
2090	2690	600	Sandstone and shale interbedded.
2690	3890	1200	Sandstone and shale.
3890	4760	910	Black shale.
4760	5300	540	Siltstone, shale, shaly sands.
5300	5360	60	Black shale.
5360	5610	250	Light shale.
5610	5939	329	Sandstone with interbedded shale.
<b>ELECTRIC LOG TOPS</b>			
			Farrington sand 310'
			Pictured Cliff 1095'
			Lewis shale 1225'
			Cliff House 2180'
			Manco shale 3870'
			Gallup sand 4790'
			Greenhorn 5360'
			Nakota 5660'
			Maricopa 5920'

FOLD MARK

