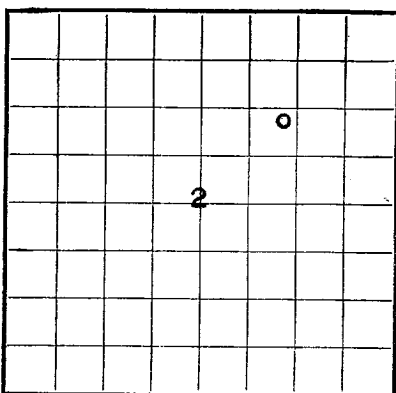




52272
MA-23150
OIL CON. COM.
DIST. 3

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

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED
MAR 26 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

Company **Tennessee Gas Transmission Co.** Address **P. O. Box 1772, Casper, Wyoming**
Lessor or Tract **Blanco State Unit I** Field **Blanco Mesa Verde** State **New Mexico**
Well No. **1** Sec. **2** T. **30N** R. **11W** Meridian **NMPN** County **San Juan**
Location **1400 ft. (S) of N Line and 1715 ft. (E) of E Line of Sec. 2** Elevation **5872.29' KB**
(Denote gas by G)

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.
Original Signed By: **PATTERSON, LAY**
Signed: **PATTERSON, LAY** Title: **District Superintendent**

Date **March 18, 1958**

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

Commenced drilling **September 30, 1957** Finished drilling **October 26, 1957****OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from **2440** to **G (Pictured Cliffs)**
No. 2, from **4706** to **4795 G**
No. 3, from **4706** to **(Mesa Verde)**
No. 4, from **4706** to **4795 G**
No. 5, from **4706** to **4795 G**
No. 6, from **4706** to **4795 G**

IMPORTANT WATER SANDS

No. 1, from **None Tested** to **None Tested**
No. 2, from **None Tested** to **None Tested**
No. 3, from **None Tested** to **None Tested**
No. 4, from **None Tested** to **None Tested**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
10 3/4"	32.75#	8	Lone Star	347.26	Baker			Surface
7"	20#	8	Lone Star	4453	Baker			Intermediate
5"	31.5#	8	French	512.09	Baker	4706	4795	Liner
5 1/2"	14#	8	Lone Star	4350	Baker			Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	361.75	350	1 plug		
7"	4453	350	2 stage-3 plug		
5"	4352-4873	35	2 plug		
5 1/2"	4350	50	2 plug		

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from **Surface** feet to **4875** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES Tested **3 hrs.**Put to producing **December 16, 1957**

The production for the first 24 hours was **0** barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours **8312 MCF AOF**

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

Rock pressure, lbs. per sq. in. **1031 psig****EMPLOYEES**

H. Schell, Driller **E. W. Thompson**, Driller
E. C. Quine, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Log Tops			
Farmington	1350'		
Fruitland	2130'		
Pictured Cliffs	2440'		
Lewis	2540'		
Cliff House	4050'		
Mesa Verde	4235'		
	12'	12'	K. B. to Ground
	350'	338'	Gravel and boulders
	1045'	695'	Shale w/sandy streaks and occasional sandstone stringers
	1115'	70'	Sandstone w/occasional shale stringers
	1350'	235'	Shale w/occasional sandy stringers
	1820'	470'	Shale w/sandstone lenses
	2070'	250'	Shale
	2190'	120'	Shale w/sandy stringers

* UNITIZED

Federal Lands

No. SF-078198

No. SF-078144

State Lands

No. E-7123

No. E-53-7

Nancy Ann Johnson W 1/2 SE 1/4

FROM-	TO-	TOTAL FEET	FORMATION
2190'	2215'	25'	Sandstone
2215'	2390'	175'	Sandy shale
2390'	2405'	15'	Coal
2405'	2440'	35'	Sand & shale
2440'	2455'	15'	Sandstone
2455'	4050'	1610'	Shale w/ sandy stringers
4050'	4115'	65'	Shaly sandstone
4115'	4706'	591'	Sandy shale
4706'	4800'	94'	Shaly sand w/shale stringers
4800'	4875'	75'	Sandy shale
4875'	4900'		
4900'	4925'		
4925'	4950'		
4950'	4975'		
4975'	5000'		
5000'	5025'		
5025'	5050'		
5050'	5075'		
5075'	5100'		
5100'	5125'		
5125'	5150'		
5150'	5175'		
5175'	5200'		
5200'	5225'		
5225'	5250'		
5250'	5275'		
5275'	5300'		
5300'	5325'		
5325'	5350'		
5350'	5375'		
5375'	5400'		
5400'	5425'		
5425'	5450'		
5450'	5475'		
5475'	5500'		
5500'	5525'		
5525'	5550'		
5550'	5575'		
5575'	5600'		
5600'	5625'		
5625'	5650'		
5650'	5675'		
5675'	5700'		
5700'	5725'		
5725'	5750'		
5750'	5775'		
5775'	5800'		
5800'	5825'		
5825'	5850'		
5850'	5875'		
5875'	5900'		
5900'	5925'		
5925'	5950'		
5950'	5975'		
5975'	6000'		
6000'	6025'		
6025'	6050'		
6050'	6075'		
6075'	6100'		
6100'	6125'		
6125'	6150'		
6150'	6175'		
6175'	6200'		
6200'	6225'		
6225'	6250'		
6250'	6275'		
6275'	6300'		
6300'	6325'		
6325'	6350'		
6350'	6375'		
6375'	6400'		
6400'	6425'		
6425'	6450'		
6450'	6475'		
6475'	6500'		
6500'	6525'		
6525'	6550'		
6550'	6575'		
6575'	6600'		
6600'	6625'		
6625'	6650'		
6650'	6675'		
6675'	6700'		
6700'	6725'		
6725'	6750'		
6750'	6775'		
6775'	6800'		
6800'	6825'		
6825'	6850'		
6850'	6875'		
6875'	6900'		
6900'	6925'		
6925'	6950'		
6950'	6975'		
6975'	7000'		
7000'	7025'		
7025'	7050'		
7050'	7075'		
7075'	7100'		
7100'	7125'		
7125'	7150'		
7150'	7175'		
7175'	7200'		
7200'	7225'		
7225'	7250'		
7250'	7275'		
7275'	7300'		
7300'	7325'		
7325'	7350'		
7350'	7375'		
7375'	7400'		
7400'	7425'		
7425'	7450'		
7450'	7475'		
7475'	7500'		
7500'	7525'		
7525'	7550'		
7550'	7575'		
7575'	7600'		
7600'	7625'		
7625'	7650'		
7650'	7675'		
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7700'	7725'		
7725'	7750'		
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7800'	7825'		
7825'	7850'		
7850'	7875'		
7875'	7900'		
7900'	7925'		
7925'	7950'		
7950'	7975'		
7975'	8000'		
8000'	8025'		
8025'	8050'		
8050'	8075'		
8075'	8100'		
8100'	8125'		
8125'	8150'		
8150'	8175'		
8175'	8200'		
8200'	8225'		
8225'	8250'		
8250'	8275'		
8275'	8300'		
8300'	8325'		
8325'	8350'		
8350'	8375'		
8375'	8400'		
8400'	8425'		
8425'	8450'		
8450'	8475'		
8475'	8500'		
8500'	8525'		
8525'	8550'		
8550'	8575'		
8575'	8600'		
8600'	8625'		
8625'	8650'		
8650'	8675'		
8675'	8700'		
8700'	8725'		
8725'	8750'		
8750'	8775'		
8775'	8800'		
8800'	8825'		
8825'	8850'		
8850'	8875'		
8875'	8900'		
8900'	8925'		
8925'	8950'		
8950'	8975'		
8975'	9000'		
9000'	9025'		
9025'	9050'		
9050'	9075'		
9075'	9100'		
9100'	9125'		
9125'	9150'		
9150'	9175'		
9175'	9200'		
9200'	9225'		
9225'	9250'		
9250'	9275'		
9275'	9300'		
9300'	9325'		
9325'	9350'		
9350'	9375'		
9375'	9400'		
9400'	9425'		
9425'	9450'		
9450'	9475'		
9475'	9500'		
9500'	9525'		
9525'	9550'		
9550'	9575'		
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9600'	9625'		
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9725'	9750'		
9750'	9775'		
9775'	9800'		
9800'	9825'		
9825'	9850'		
9850'	9875'		
9875'	9900'		
9900'	9925'		
9925'	9950'		
9950'	9975'		
9975'	10000'		

FORMATION RECORD--Continued

HISTORY OF OIL OR GAS WELL

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 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.

SPUNDED 9/30/57. Drilled 15" hole to 364'. Ran 10 3/4", 32.75#, R-40 Lone Star EW casing. Landed casing at 361.75'. Cemented to surface with 350 ex. Ideal regular. WOC 24 hrs. Pressure tested casing and B.O.P. with 500 psi for 30 mins. Pressure held. Drilled 9 7/8" hole from 364' to 2987', and 9" hole from 2987' to 4454'. RU and ran Schlumberger Electric Survey from 4458' to 362' (2" scale) and 5" scale from 1250' to 1804', 2350' to 2580', and 3940' to 4458'. Ran Microlog from 1250' to 1804', 2140' to 2840', and 3950' to 4380'. RU and ran 7", 20#, J-55 Lone Star Electric Weld Casing. Landed 7" casing at 4453'. Cemented with 275 ex. around casing shoe in first stage and 285 ex. through Howco "DV", 2 stage cementer casing at 1425'. WOC 24 hrs. Pressured casing to 1500 psi for 30 mins. Pressure held. Cleared out cement to 1452' (top of guide shoe). Pressure tested casing with 1500 psi for 30 mins. Pressure held. Displaced water with gas. Drilled 6 1/4" hole from 4454' to 4464'. Geoged for water fill up. Tested dry. Drilled 6 1/4" hole from 4464' to 4875'. Ran Schlumberger Induction Log from 4455' to 4873', and temperature survey from 4240' to 4875'. RU and ran 5" 11.75#, 0.55 French Mtr. Sals. Casing and liner at 4352'. Cemented w/35 ex. cement. WOC 30 hrs. Ran temperature survey after WOC 12 hrs. Indicated cement at top of liner. Pressured casing and liner to 2500 psi. Failed to hold pressure. Squeezed top of liner w/50 ex. cement. WOC 18 hrs. Cleaned out to 4608'. Ran McCullough Simultaneous radiation log from 4690' to 4865'. Pressure tested 7" casing and liner w/3000 psi. 7" casing failed to hold pressure at 4608'. Squeeze cemented w/450 ex. failed to obtain squeeze. RU and ran inside string of 5 1/2" 14#, J-55 Lone Star EW (Pressure tested on track) and 5 1/2" casing. Landed casing at 4350'. Pressure tested casing and liner w/2500 psi. Cemented w/50 ex. WOC 24 hrs. Cleaned out to 4867'. Pressure tested 5 1/2" to 2500 psi. RU McCullough perforated 4706' to 4795' w/3 jets per foot. Broke down formation w/350 psi using 200 gal. HCl acid. Sand free down casing w/100,000 lbs. sand in 100,000 gal. water. Blowed hole dry w/gas. Cleaned out to 4800'. Landed 2" EUE, 4.7#, J-55 tubing at 4674'. Potentialled 8,312 MCFPD out to 4800'. Blanco Mesa Verde Field Type Potential Test.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
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