

TENNESSEE GAS TRANSMISSION COMPANY
665N Fourth National Bank Bldg.
Wichita 2, Kansas

Tennessee Gas Transmission Company
No. 1 Luther Stotts
C SE NE Section 3, T27S, R15W
Pratt County, Kansas
Carver-Robbins Area

Commenced: 8-14-57
Completed: 9- 2-57

Casing: 8-5/8" at 320'

Elevation: 2060 RB
2057 DF
2055 GR

The following tops were determined from sample analysis and electric log:

<u>Formation</u>	<u>Depth</u>	<u>Minus</u>
Brown Limestone	3910	-1850
Lansing-Kansas City	3934	-1874
B. Kansas City	4264	-2204
Penn. Sandy Conglomerate	4367	-2307
Penn. Cherty Conglomerate	4405	-2345
Viola	4459	-2399
Simpson Sh.	4546	-2486
Simpson Sd.	4557	-2497
Arbuckle	4649	-2589
Total Depth	4663	-2603

The following is a list of zones of interest and of drill stem tests taken:

Lansing-Kansas City 3934 (-1874)

- 3937-3941 White to gray oolitic and oolitic limestone with good porosity. No show.
- 3952-3958 White to gray crystalline and oolitic limestone with fair porosity, no show.
- 3975-3985 Tan oolitic and oolitic limestone with excellent porosity, no show.
- 4013-4020 Tan crystalline and oolitic limestone with gilsonite stain and barren porosity.
- 4022-4028 White to tan crystalline and sacrosic limestone with good porosity, no show.

- 4038-4040 Tan oolitic limestone with show free oil, fair porosity.
- 4056-4064 White to tan oolitic limestone with show free oil, fair porosity.
(Schl. calculates 50% wtr., 10.5% por.)
- 4078-4084 Tan oolitic limestone with SSC and tan crystalline with
FSO. (Schl. calculates 58% wtr., 13% por.)
- 4094-4096 White, tan to gray crystalline limestone with trace stain
and porosity. (Schl. calculates 58% wtr., 10% por.)
- DST No. 1 - 4055-4095, op 1 hr., ISI 20", SI 20", rec. 60' CC M, 210' SOCM,
IBHP 1505#, FBHP 895#, FP 78 - 98#.
- 4098-4102 White to gray crystalline limestone with trace gilsonite stain.
- 4127-4134 White to gray fossiliferous limestone with fair inter-fossiliferous
porosity, fair scattered stain, free oil and good odor--some
with gilsonite stain.
- 41242-4150 White to gray fossiliferous limestone with fair inter-
crystalline porosity, light scattered stain and odor.
- DST No. 2 - 4123-4158, op 1 hr., ISI 20", FSI 20", rec. 65' MSW,
IBHP 1462", FBHP 1240#, FP 28 to 30#.

Base Kansas City 4264 (-2204)

Pennsylvanian Sandy Conglomerate 4367 (-2307)

- 4368-4372 White clear quartz grains, some in clusters with fair
saturation and stain.
- 4372-4389 Varicolored shale with trace chert and sand as above.
- DST No. 3 - 4354-4389, op 90" ISI 20", FSI 20", rec. gas surface 50",
not enough to gauge, 40' gas cut mud, IBHP 1170#, FBHP 1150#, FP 0#.
- 4389-4405 Same as above (Sandy and shaly conglomerate)
- DST No. 4 - 4378-4399, op 35", rec. 10' drlg. mud, ISIP 20", FSI 20",
0# BHP, 0# FP.

Pennsylvanian Cherty Conglomerate 4405 (-2345)

- 4405-4459 Varicolored shale, chert and trace sand. Chert varicolored
and with scattered stain. Sand same as above.
- DST No. 5 - 4405-4450, open 1 hr., ISI 20", FSI 20", rec. 40' mud
with few specks of oil. ISIP 105#, FSIP 0#, FP 0#.

Page 3
Sept. 9, 1957
Luther Stotts No. 1

Viola 4459 (-2399)

4480-4510 White to yellow fresh and weathered chert with trace
light scattered stain and varicolored shale.

Simpson Shale 4546 (-2486)

Simpson Sand 4557 (-2497)

4557-4569 Green waxy shale and clear rounded sand grains in clusters.
No show.

4572-4580 White, rounded frosted sand grains in clusters tightly
cemented. No show.

Arbuckle 4649- (-2589)

4649-4654 White to tan medium crystalline dolomite with fair porosity.
No show.

Total Depth 4663 (-2603)

Structural Comparison:

Lansing-Kansas City - 3' lower than producer 1 mi. south, approx.
48' higher than DH approx. 1-3/4 mi. southeast

Arbuckle - 15' lower than producer approx. 1/2 mile south
42' higher than DH approx. 1-3/4 mi. southeast

Summary:

All shows of oil were logged, tested and determined to be non-productive in the Lansing-Kansas City. Several zones were tested and found to have a fair show of oil with good bottom hole pressure. When logged these zones had water saturations well over the crucial saturation of 42%. In the Pennsylvanian sand section a drill stem test had gas to the surface in 50", but too small to gauge. After the log was run it found that only 4' of clean sand was encountered. With the above information it was recommended that the well be plugged and abandoned.

/s/ D. B. Brown
D. B. Brown

DBB:mw
September 9, 1957

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No. Luther W. Stotts
C SE NE Section 3-27S-15W
Pratt County, Kansas

Carver-Robbins Area

DEPTH	TIME	REMARKS
	(1' Interval)	
3700-3710	5 3 4 5 4 5 4 5 7 6	
3710-3720	5 7 7 7 6 3 3 3 3 4	
3720-3730	3 3 3 4 5 4 3 4 4 6	
3730-3740	7 6 3 4 4 4 5 5 4 5	
3740-3750	6 5 7 7 3 8 10 9 6 5	
3750-3760	4 5 6 8 7 9 10 10 5 3	
3760-3770	2 3 3 2 22 12 14 10 8	
3770-3780	3 3 3 4 4 5 5 4 4 7	
3780-3790	11 9 7 6 6 6 6 2 4 6	
3790-3800	6 8 12 8 9 6 8 9 7 6	
3800-3810	7 8 7 6 7 4 4 3 3 4	
3810-3820	4 3 3 3 3 3 3 3 3 3	
3820-3830	4 3 4 4 4 5 3 4 4 4	
3830-3840	4 4 4 3 3 4 3 4 3 4	
3840-3850	4 4 5 4 4 4 4 3 4 4	
3850-3860	4 4 4 4 4 5 3 4 4 6	
3860-3870	4 4 4 4 5 4 4 4 5 5	
3870-3880	4 5 4 3 3 4 5 3 3 6	
3880-3890	5 5 5 5 4 4 5 5 5 4	
3890-3900	5 4 4 5 5 5 3 3 4 4	
3900-3910	4 4 4 4 4 3 5 5 4 4	
3910-3920	6 11 15 15 15 5 4 5 5 7	3915 Trip
3920-3930	5 6 6 6 6 6 6 6 5 7	
3930-3940	5 5 5 5 6 7 6 1 1 1	
3940-3950	4 7 8 10 8 7 11 12 8 7	
3950-3960	5 5 8 9 5 4 6 7 8 8	
3960-3970	6 5 5 5 6 6 7 8 10 5	
3970-3980	7 8 12 12 13 5 2 3 2 2	
3980-3990	2 2 4 5 5 8 9 9 9 8	
3990-4000	10 10 10 9 12 11 12 11 10 9	
4000-4010	7 8 10 11 10 11 10 8 7 8	
4010-4020	13 7 11 5 5 6 2 4 3 4	
4020-4030	8 6 4 5 5 6 6 8 9 11	
4030-4040	13 11 10 10 10 11 8 9 6 6	
4040-4050	8 8 10 7 10 9 8 9 9 8	
4050-4060	13 11 10 13 11 10 15 11 14 12	4060 Trip
4060-4070	7 8 8 5 7 9 11 9 8 10	
4070-4080	8 9 9 5 4 6 6 9 3 3	
4080-4090	4 4 5 10 11 11 8 7 8 7	
4090-4100	7 7 3 5 5 3 6 8 5 5	

h100-h110	7 6 6 6 8 5 7 9 5 8
h110-h120	8 5 8 6 4 5 7 7 8 8
h120-h130	5 6 6 6 5 6 6 4 2 4
h130-h140	4 4 2 2 5 5 6 6 6 7
h140-h150	6 8 8 6 6 3 3 3 4 3
h150-h160	4 9 8 6 5 7 4 3 6 3
h160-h170	3 4 4 4 4 4 5 4 4 4
h170-h180	4 5 4 4 5 5 9 10 8 8
h180-h190	5 10 10 7 9 9 8 7 8 7
h190-h200	8 9 8 7 10 7 7 8 6 4
h200-h210	7 6 4 5 4 3 5 9 9 5
h210-h220	7 6 8 7 7 6 8 7 7 8
h220-h230	9 7 9 8 8 8 9 7 10 12
h230-h240	10 10 14 14 9 3 5 8 7 7
h240-h250	7 6 6 6 6 6 5 6 6 6
h250-h260	5 4 5 3 4 4 5 5 5 6
h260-h270	6 10 10 11 6 6 5 7 6 4
h270-h280	6 4 5 6 5 4 5 5 5 3
h280-h290	3 4 3 4 4 4 4 5 4 4
h290-h300	5 7 6 5 7 6 7 4 3 4
h300-h310	4 6 5 6 5 5 5 6 6 6
h310-h320	7 7 8 7 7 7 7 7 7 8
h320-h330	8 8 7 7 7 6 6 7 7 7
h330-h340	6 6 5 6 6 6 8 6 6 7
h340-h350	8 7 7 7 6 6 8 8 9 8
h350-h360	8 8 9 10 9 8 6 7 7 6
h360-h370	8 8 9 7 10 8 10 9 9 7
h370-h380	10 8 9 10 8 14 11 10 10 7
h380-h390	9 6 9 9 7 7 6 8 7 3
h390-h400	4 3 4 4 5 5 5 5 5 5
h400-h410	7 7 6 7 7 11 10 10 7 8
h410-h420	10 9 5 6 7 6 6 5 6 6
h420-h430	3 3 7 7 6 6 7 7 5 7
h430-h440	6 6 7 7 5 7 7 9 10 13
h440-h450	12 13 16 11 5 4 4 8 8 6
h450-h460	7 7 10 11 10 6 6 7 5 7
h460-h470	8 9 9 7 8 8 10 12 13 11
h470-h480	11 10 11 11 11 9 10 10 9 13
h480-h490	9 11 10 6 7 8 11 8 8 9
h490-h500	9 9 7 10 9 10 10 9 11 9
h500-h510	11 9 8 7 7 9 9 10 10 11
h510-h520	9 10 9 7 9 9 11 12 12 13
h520-h530	11 9 10 12 10 11 12 10 10 11
h530-h540	9 9 11 9 9 10 10 10 9 10
h540-h550	10 8 8 7 15 16 13 7 10 8
h550-h560	8 11 9 9 6 8 8 7 5 6
h560-h570	6 6 6 5 4 5 5 4 5 6
h570-h580	6 5 6 6 4 4 4 3 4 5
h580-h590	5 4 9 4 7 8 6 6 6 6
h590-h600	6 7 7 8 5 7 7 7 6 7

h264 Trip

h444 Trip

071P J2

Page 3
Luther W. Stotts No. 1

h600-h610	7 9 7 7 8 7 7 6 8 6
h610-h620	7 7 7 8 7 8 7 9 7 8
h620-h630	9 10 7 10 7 9 8 7 8 8
h630-h640	8 8 9 8 6 9 9 8 9 13
h640-h650	14 15 10 8 9 11 12 15 13 14
h650-h660	24 18 12 18 13 12 15 11 13 11
h660-h670	13 16 23

TD 4663
D&A
Sept. 6, 1957
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