

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesa Verde Formation Mesa Verde County San Juan

Initial X Annual _____ Special _____ Date of Test December 16, 1957

Company Tennessee Gas Transmission Co. Lease Blanco State Unit I Well No. 1

Unit G Sec. 2 Twp. 30N Rge. 11W Purchaser El Paso Natural Gas Company

Liner 5" 11.5# 4.560" 4353-4873'

Casing 5-1/2" Wt. 14 I.D. 5.012" Set at 4350 Perf. 4706 To 4795

Tubing 2-3/8" Wt. 4.6 I.D. 1.995" Set at 4670.49 Perf. 4663.92' To 4670.49'

Gas Pay: From 4706 To 4795 L 4706 xG 0.673 -GL 3167 Bar.Press. 12.0 psi

Producing Thru: Casing X Tubing _____ Type Well Single Completion

Date of Completion: 11/17/57 Packer No Reservoir Temp. 150° F. Approximate

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) _____ Type Taps _____

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (PROVER) Size	(Choke) (CHOKE) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
SI						1029	1031	
1.	0.75		522			558	78	3 hours
2.								
3.								
4.								
5.								

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.2023		534	0.9831	0.9441	1.054	6.374
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.

Gravity of Liquid Hydrocarbons _____ deg.

F_c _____ (1-e^{-s})

Specific Gravity Separator Gas 0.673

Specific Gravity Flowing Fluid 0.673

P_c _____ P_c _____

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.									
2.									
3.									
4.									
5.									

Absolute Potential: 8,316 MCFPD MCFPD; n 0.75

COMPANY Tennessee Gas Transmission Company

ADDRESS Box 1772, Casper, Wyoming

AGENT and TITLE Clavis Rodenbush District Engineer

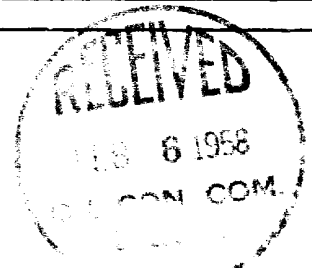
WITNESSED _____

COMPANY _____

REMARKS

n = 0.75 assumed for Blanco Mesa Verde Field.

Used critical flow prover.



Company Tennessee Gas Transmission
 Well Blanco-State Unit I Well No.1
 Location G 2-30N-11W
 County San Juan
 Date 12-16-57

