

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-3-81									
Company W. M. Gallaway		Connection Northwest Pipeline Corp.									
Pool Blanco		Formation Mesa Verde									
Completion Date 12-23-80		Total Depth 6118	Plug Back TD 6071								
Elevation 7142' GL		Farm or Lease Name Trix									
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6089								
Perforations: From 5875 To 5968		Well No. #1									
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5921								
Perforations: From To		Unit Sec. Twp. Rye. B 5 26 2									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At									
County Rio Arriba		State New Mexico									
Producing Thru Tbg.		Reservoir Temp. °F 8	Mean Annual Temp. °F								
Baro. Press. - P _a 12		Prover 2"									
Meter Run		Taps									
FLOW DATA		TUBING DATA									
CASING DATA		Duration of Flow									
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							1720		1726		11 Days
1.	2"	X	0.750	66		59			489		3 Hours
2.											
3.											
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd				
1	12.49		78	1.001	0.9463	1.009	931				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio			Mcf/bbl.			
1.					A.P.I. Gravity of Liquid Hydrocarbons			Deg.			
2.					Specific Gravity Separator Gas			XXXXXXX			
3.					Specific Gravity Flowing Fluid			XXXXXXX			
4.					Critical Pressure			P.S.I.A.			
5.					Critical Temperature			R			
P _c 1738 P _c ² 3020644											
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0906$			(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0672$			
1		501	251001	2769643							
2											
3											
4											
5											
Absolute Open Flow 994 Mcfd @ 15.025								Slope, n 0.75			
Angle of Slope θ											
Remarks:											
Approved By Division		Conducted By: H. E. McAnally		Calculated By: H. E. McAnally		Checked By: W. M. Gallaway					