

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-26-82	
Company El Paso Exploration Company		Connection Northwest Pipeline Corp.	
Pool Blanco		Formation Mesa Verde	
Completion Date 7-17-82		Total Depth 6539	Plug Back TD 6522
		Elevation 7308 GR	
Csq. Size 7.000	Wt. 20	d 6.456	Set At 4138
		Perforations: From *5647 To 6468	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6461
		Perforations: From To	
Type Well - Single - Blindhead - G.C. or G.O. Multiple Single		Packer Set At None	County Rio Arriba
Producing Thru Tbg.	Reservoir Temp. °F p	Mean Annual Temp. °F p	Baro. Press. - P _a 12
		State New Mexico	
L	H	G _g	% CO ₂
		% N ₂	
		% H ₂ S	
		Prover	Meter Run 4"
		Tapa Flg.	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Flow 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
1.	4" X 2.500			11	10.2	76	80		758		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	32.64	15.32	23	.9850	1.213	1.000	597
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1.							X X X X X X X X	X X X X X		
2.										
3.										
4.										
5.										

P _c 1092	P _c ² 1192464	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1192464}{599564}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6748$
NO. 1	P _t ² 770	P _w ² 592900	P _c ² - P _w ² 599564
2.			
3.			
4.			
5.			

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1000$

Absolute Open Flow 1000 Mcfd @ 15.025 Angle of Slope 75 Slope, n .75

Remarks: * 4.500 Liner - 4043' - 6539'

Gas Vented During Test 76 MCF

Approved by Division	Conducted by: L. Schmitz	Calculated by: Ed Mabe	Checked by:
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