

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-29-80				
Company El Paso Natural Gas Company				Connection Northwest Pipeline Company					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 10-21-80		Total Depth 5905'		Plug Back TD 5888'		Elevation 6564'		Farm or Lease Name San Juan 27-5 Unit	
Csg. Size 7.00"	Wt. 20.0	d 6.456	Set At 3615'	Perforations: From 4882 To 5737		Well No. #24A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5704	Perforations: From To		Unit I		Sec. 32	Twp. 27
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 3460'		County Rio Arriba			
Producing Thru Tbg.		Reservoir Temp. °F °		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Cg 0.670	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 4"	Taps Flg	

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
SI							840				8 Days
1.	4" X 2.50"			10	3.0	60	60				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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	32.64	14.07	22	1.000	1.222	1.000	561
2.							
3.							
4.							
5.							

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

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OIL CON. DIST.

P _c 852	P _c ² 725904	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0173$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0129$
NO.	P _t ²	P _w	P _w ²
1	5184	111	12321
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 568$

Absolute Open Flow	568	Mcf/d @ 15.025	Angle of Slope Θ	Slope, n
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Remarks: * 4 1/2" Liner 3448 - 5905'

Liquids - 41 Bbls. Water; Gas Vented - 80 MCF

Approved By Division	Conducted By: Know Hedgecoke	Calculated By: Bill Clark	Checked By:
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