

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-27-98				
Company McElvain Oil and Gas Properties				Connection El Paso Field Services					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 1-20-98		Total Depth 6213		Plug Back TD 6167		Elevation 6604 GL		Farm or Lease Name Sandstone Com	
Csg. Size 7.0		Wt. 20#		Set At 3897		Perforations: From 5073 To 6029		Well No. 1A	
4.500		10.5#		4.052"		6211			
Thq. Size 2.375		Wt. 4.7		Set At 6013		Perforations: From Open To Ended		Unit Sec. Twp. Rge. N 34 32N 9W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 11 psia est.		State New Mexico	
L		H		G _g		% CO ₂		% N ₂	
						% H ₂ S		Prover	
								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
SI	7 days						796		841		None
1.											
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							
2							
3							
4							
5							

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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1					
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____

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

Absolute Open Flow	No Flow	Mcf/d @ 15.025	Angle of Slope @	Slope, n
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Remarks: Conducted 7 day SIP only.

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Larry VanRyan
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