

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7/11/85	
Company Robert L. Bayless		Connection El Paso Natural Gas Company	
Pool Ballard Pic. Cliffs		Formation Pictured Cliffs	
Completion Date 6/29/85	Total Depth 2700'	Plug Back TD 2629'	Elevation 7030' G.L.
Farm or Lease Name Jic. 398		Well No. B #1	
Csq. Size 2-7/8"	Wt. 7.9	d 2.323	Set At 2697'
Perforations: From 2556' To 2617'		Well No. B #1	
Tbg. Size None	Wt. ---	d ---	Set At ---
Perforations: From To		Unit Sec. Twp. Rye. M 16 23 4	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single		Packer Set At None	
County Rio Arriba		State New Mexico	
Producing Thru Casing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a 12 psia (est)
L	H	Gg	% 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	12 days								680		
1.	2"X ₂ "			33					33	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	5.4315		45	1.000	.9608	1.009	237
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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 692	P _c ² 478,864	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0048$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0041$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		48	2304	476560
2				
3				
4				
5				

Absolute Open Flow 238 Mcfd @ 15.025		Angle of Slope ϕ _____	Slope, n 85
Remarks: _____			

Approved By Division	Conducted By: David Ball	Calculated By: Kevin McCord	Checked By:
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