

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
OCT 11 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-9-85	
Company LaPlata Gathering System				Connection El Paso Natural Gas Co.			
Pool Ballard				Formation Pictured Cliff		Unit Foster	
Completion Date 10-1-85		Total Depth 2421		Plug Back TD 2362		Elevation 6399 G.L.	
Csg. Size 2 7/8		Wt. 6.5		Set At 2441		Perforations: From 2196 To 2282	
Thq. Size		Wt. Slim Hole		Set At		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None	
Producing Thru Csg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia(est)	
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	8 days								421		
1.	2 inch		.750						69	60°	3 hrs.
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	12.3650		81	1.000	.9608	1.011	973
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0364$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.030862$
1						
2		81	6586	180903		
3						
4		Calculated				
5						

Absolute Open Flow 1003 _____ Mcfd @ 15.025				Angle of Slope @ _____		Slope, n .85	
Remarks: Dry gas							

Approved By Division	Conducted By: Joe Ellledge	Calculated By: Joe Ellledge	Checked By: Fred Turner
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