

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4/26/90		APR 30 1990	
Company Robert L. Bayless				Connection Robert L. Bayless		OIL CON. DIV. DIST. 3	
Pool East Blanco Pictured Cliffs				Formation Pictured Cliffs		Unit	
Completion Date 4/13/90		Total Depth 4250		Plug back TD 4115		Elevation 7262 GL	
Csg. Size 5.500		Wt. 17.0		Set At 4189		Perforations: From 3847 To 3936	
Trg. Size 2.375		Wt. 4.7		Set At 3909		Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple gas-single				Packer Set At none		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0 (est)	
L		H		Cg .65 (est)		% CO ₂	
				% N ₂		% H ₂ S	
Prover		Meter Run		Taps			
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.
1	13 days						801
2	2 inch x .750						77
3							60°
4							170
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	12.365		89	1.000	1.240	1.014	1384.
2							
3							
4							
5							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1	.133		1.39	.973	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		
$P_c = 813$ $P_c^2 = 660,969$					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0528$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0447$		
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1446$		
1		182	33,124	627,845			
2							
3							
4							
5							
Absolute Open Flow 1446 Mcfd @ 15.025					Angle of Slope @		Slope, n .85
Remarks: very little water flow - no sand.							
Approved By Division		Conducted By: David Ball		Calculated By: Kevin H. McCord		Checked By:	