

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5/7/80			
Company Merrion & Bayless				Connection New Well					
Pool South Blanco				Formation Pictured Cliffs				Unit	
Completion Date 5/7/80		Total Depth 3355'		Plug Back TD 3350'		Elevation 7313' GR		Farm or Lease Name East Lindrith	
Csq. Size 3-1/2"	Wt. 9.5#	d 3.548	Set At 3372'	Perforations: From 3174 To 3255		Well No. 3			
Tng. Size 2-1/16"	Wt. 4#	d 1.867	Set At 3185'	Perforations: From ---- To ----		Unit Sec. Twp. Rge. I 27 24N 2W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At none		County Rio Arriba	
Producing Thru tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S	Prover 2"		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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							690			
1.	2" x 1/2"			32		60°	32			
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	4.279		44	1.000	1.240	1.010	236
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Dry Gas Mcf/bbl.	
					A.P.I. Gravity of Liquid Hydrocarbons Dry Deg.	
					Specific Gravity Separator Gas .650 XXXXXXXXXX	
					Specific Gravity Flowing Fluid XXXXX	
					Critical Pressure P.S.I.A.	
					Critical Temperature °R	

P _c 702	P _c ² 492804	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.004$	(2) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.003$
NO.	P _t ²	P _w	P _t ² - P _w ²
1		44	1936
2			
3			
4			
5			

Absolute Open Flow 237 Mcfd @ 15.025		Angle of Slope @ Slope, n .85	
Remarks: well produced dry gas throughout test			
Approved By Division Conducted By Calculated By Checked By			