

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-22-78	
Company _____				Connection Northwest Pipeline			
Pool Wildcat				Formation Pictured Cliff			
Completion Date 1-15-78		Total Depth 3425		Plug Back TD 3403		Elevation 6542 G.L.	
Cng. Size 5.500		Set At 3420		Perforations: From 3332 To 3406		Farm or Lease Name _____	
Tbg. Size 2.375		Set At 3370		Perforations: From Open To Ended		Well No. _____	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F _____		Mean Annual Temp. °F _____		State New Mexico	
L _____ H _____		Gg .600 est.		% 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	
1	2 days		.750	65			1420	60°	1420	273	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.5650		77	1.000	1.000	1.007	999
2							
3							
4							
5							

NO.	P _r	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

NO.	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0412$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 993$
1			01225		
2					
3					
4					
5					

Absolute Open Flow 993		Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .85	
Remarks: _____							

Approved by Commission: _____	Conducted by R.F. Elledge	Calculated by Joe F. Elledge	Checked by R.F. Don Roberts
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