

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11/15/82	
Company Joel B. Burr, Jr.			Connection		
Pool Fulcher Kutz			Formation Pictured Cliff		Unit
Completion Date 10/25/82		Total Depth 2070'	Plug back TD 2023'	Elevation 5810 G.L.	Farm or Lease Name Foothills
Csq. Size 2 7/8"	Wt. 6.4	d	Set At 2053	Perforations: From 1914 To 1922	Well No. #1
Thq. Size none	Wt.	d	Set At	Perforations: From To	Unit Sec. Twp. Rge. K 19 30N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At N/A	County San Juan
Producing Thru Casing		Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _g	State New Mexico
L	H	G _g .680	% 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							----		440		7 days
1.	2 x 6 x .75						----		72	48°	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	11		84	1.012	1.213	1.0086	1144
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.12	508	1.32	.983	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 452	P _c ² 204304	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0334$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0283$	
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		84	7056	197700
2				
3				
4				
5				

Absolute Open Flow _____ 1176 _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____ .85
Remarks: _____			
Approved By Division	Conducted By C. Webb	Calculated By C. Webb	Checked By:

