

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		10/9/81	
Company				Connection							
JACK A. COLE											
Pool				Formation				Unit			
Ballard Picture Cliffs				Picture Cliffs							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
10/3/81		3025'		2973'		7295'G.L.		Indian Bend			
Csg. Size		Wt.		d		Set At		Perforations:		Well No.	
4.500		10.50		4.052		3000'		From 2928' To 2940'		7	
Tbg. Size		Wt.		d		Set At		Perforations:		Unit Sec. Twp. Rge.	
1.660		2.40		1.380		2920'		From To		J 25 23N 3W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County			
Single - Gas								Sandoval			
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
		100 @ 3025		60		12.0		New Mexico			
L		H		Gg		% CO ₂		% N ₂		% H ₂ S	
2920		2920		0.6		---		---		---	
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							585		585		8 days
1.	3/4" THC						75		310		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 Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd				
1	12.3650		87	1.0000	1.0000	1.0000	1076				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _f	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						
P _c 597 P _c ² 356,409					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4102$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3393$						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,441$						
1		322	103,684	252,725							
2											
3											
4											
5											
Absolute Open Flow 1,441 Mcfd @ 15.025					Angle of Slope @ _____			Slope, n 0.85			
Remarks: _____											
Approved By Commission:				Conducted By: Jerold Brooks				Calculated By: Ewell N. Walsh			
Checked By: _____											