

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

FIVE D

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/4/84		NOV 01 1985	
Company Joel B. Burr, Jr.				Connection		OIL CON. DIV.	
Pool Fulcher Kutz				Formation Fruitland Pictured Cliff		Unit DIST. 3	
Completion Date		Total Depth 1832		Plug Back TD 1650		Elevation	
Csg. Size 2 7/8		Set At 1830		Perforations From 1723 To 1731		Well No. 1	
Thq. Size		Set At		Perforations		Unit Sec. Twp. Rge. J 20 30 12	
Type Well - Single - Bordenhead - G.G. or G.O. Multiple				Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		State New Mexico	
L		H		Gg .680		Prover Meter Run Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI							7 days
1.	2 x 6 x .75						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 Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mc/d
1	11		174	.9924	1.213	1.01797	2345
2.							
3.							
4.							
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mc/d/bbl.		
1.	.26	528	1.37	.965	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 _r 594 P _c ² 352836					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.09386$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0792$		
NO.	P _i ²	P _w	P _c ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2531$		
1		174	30276	322560			
2							
3							
4							
5							
Absolute Open Flow 2531 Mc/d @ 15.025					Angle of Slope @ .85		Slope, n _____
Remarks: _____							
Approved By: _____		Conducted By: _____		Calculated By: _____		Checked By: _____	

