

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-10-82									
Company Curtis J. Little		Connection El Paso									
Pool Fulcher Kutz		Formation Pictured Cliff									
Completion Date 9-3-82	Total Depth 2565	Plug Back TD 2525	Elevation 6708 G.L.								
Ceq. Size 2.875		Wt. 6.5	Set At 2.441								
Perforations From 2400 To 2410		Well No. 1									
Perforations From To		Unit Sec. Twp. Rys. F 34 27 10									
Type Well - Single - Brdenhead - G.C. or G.O. Multiple Single		Packer Set At None									
Producing Thru Casing		Baro. Press. - P _g 12 psia									
Reservoir Temp. °F #		Mean Annual Temp. °F									
L H Cg		Prover Meter Run Taps									
.650											
FLOW DATA TUBING DATA CASING DATA Duration of Flow											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. in hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	7 days						271				
2.	2 inch		.750	51			51	54°			3 hours
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 O, Mcfd				
1.	12.3650		63	1.0058	.9608	1.004	756				
2.											
3.											
4.											
5.											
NO.	P _g	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX						
3.					Specific Gravity Flowing Fluid _____ XXXXX						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0593$						
1.	283	67	4485	75604	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0502$						
2.					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 794$						
3.		calculated									
4.											
5.											
Absolute Open Flow _____ Mcfd @ 15.025					Angle of Slope θ _____		Slope, n _____ 85				
Remarks: Dry gas throughout test.											
Approved By Division		Conducted By: Joe Elledge		Calculated By: Joe Elledge		Checked By: Curtis J. Little					

