

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6/15/72	
Company W. M. Gallaway				Connection		
Pool Fulcher Kutz				Formation Pictured Cliffs		Unit
Completion Date 6/1/72		Total Depth 1686		Plug Back TD 1651		Elevation 5496
Csg. Size 4.500		Wt. 9.50	d 4.090	Set At 1679	Perforations: From 1556 To 1592	
Tbg. Size 1.315		Wt.	d 1.049	Set At 1577	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12
L 1567		H	G _g 0.620	% CO ₂	% N ₂	% H ₂ S
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
SI	2"		3/4"			
1.						
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}
1	12.3650		33	1.0029	0.9837	1.000
2.						
3.						
4.						
5.						
NO.	P _t	Temp. °R	T _t	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	
$P_c = 216$ $P_c^2 = 46,656$						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.0096$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.2340$	
1		200	40,000	6656		
2						
3						
4						
5						
Absolute Open Flow 2109 Mcfd @ 15.025					Angle of Slope @ Slope, n 0.85	
Remarks:						
Approved By Commission:		Conducted By: Kenneth E. Roddy		Calculated By: Kenneth E. Roddy		Checked By: Kenneth E. Roddy

