

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-25-81	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 3-18-81		Total Depth 6596		Plug Back TD 6580		Elevation 340 GR.
Csg. Size 4.500		wt. 10.5	d 4.052	Set At 6596	Perforations From 6287 To 6507	
Tub. Size 2.375		wt. 4.7	d 1.995	Set At 6472	Perforations From To	
Type Well - Single - Drift-head - G.C. or G.O. Multiple Single					Packer Set At	
Producing thru TBG		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P ₀ 12
L		H	G _g	% 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
51						
1.						
2.						
3.						
4.						
5.						
RATE OF FLOW CALCULATIONS						
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{in}}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Comp. Factor, F _{sc}
1						
2						
3						
4						
5						
NO.	P _t	Temp. °R	T _r	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 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	
NO.	P ₁	P ₂	P ₃	P ₄	$(1) \frac{P_c^2}{P_1^2 - P_2^2} = \text{_____}$ $(2) \left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = \text{_____}$ $AOF = Q \left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = \text{_____}$	
1						
2						
3						
4						
5						
Absolute Open Flow _____ Mcf @ 15.025					Angle of Slope _____ Slope, n _____	
Remarks: _____						
Approved by Division		Conducted by Joe Gilentine		Calculated by H. E. McAnally		Checked by