

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 4-12-82			
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 3-16-82		Total Depth 6296		Plug Back TD 6257		Elevation 5708 GL	
Csg. Size 4.500		Wt. 10.5		Set At 6296		Perforations: From 6163 To 6226	
Trg. Size 2.375		Wt. 4.7		Set At 6206		Perforations: From open To ended	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single				Packer Set At None		Farm or Lease Name Gallegos Canyon Unit	
Producing Thru Tubing		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a	
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	Press. p.s.i.g.
SI	12 Days						1057
1.	2.375		.750				45
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}	Rate of Flow Q, Mcfd
1	12.365		57	1.000	.9258	1.006	656
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.					A.P.G.A. Gas 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		
P _c 1069 P _c ² 1142761					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 775$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2485$		
1		477	227529	915232	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1812$		
2							
3							
4							
5							
Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope @ _____		Slope, n .75	
Remarks: _____							
Approved By Division		Conducted By: J. J. Barnett		Calculated By: J. J. Barnett		Checked By: JB	