

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 6-1-82	
Company Amoco Production Company			Connection El Paso Natural Gas Company		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 4-30-82		Total Depth 6615		Plug Back TD 6573	Elevation 5636 GL
Farm or Lease Name Lefkovitz Gas Com "B"					
Csq. Size 5.500	Wt. 17	d 4.892	Set At 6615	Perforations: From 3622 To 4496	
Well No. 1E					
Thq. Size 1.660	Wt. 2.33	d 1.380	Set At 4515	Perforations: From open To ended	
Unit Sec. Twp. Rge. P 25 29N 10W					
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual				Packer Set At 4668	
Producing Thru Tubing		Reservoir Temp. °F P		Mean Annual Temp. °F	
				Baro. Press. - P _a	
State New Mexico					
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 Days						924		924		
1.	2.375		.750				110		770		3 hrs
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		122	1.000	.9608	1.011	1465
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
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 936 P _c ² 876096				
NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²
1		782	627264	248832
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 2.5208$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 3765$

(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 2.5703$

Absolute Open Flow _____ 3765 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ .75 _____
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Remarks: _____ Flowed med wt.

Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
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