

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 9-4-82	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool South Blanco				Formation Pictured Cliff			
Completion Date 8-17-82		Total Depth 3982		Plug Back TD 3933		Elevation 6459	
Csg. Size 5.500		Wt. 15.5		Set At 4.950		Perforations: From 2836 To 2874	
Tbg. Size 1.660		Wt. 2.33		Set At 1.380		Perforations: From Perf Prod To Tube	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual				Packer Set At 3919		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico	
L		H		G _q		Prover	
				% CO ₂		% H ₂ S	
						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.	
SI	7 Days						588		597	
1.	2.375		.750				96		367	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, Mcf/d
1	12.375		108	1.000	.9608	1.010	1296
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 609 P _c ² 370881			
NO.	P _t	P _w	P _w ²
1		379	143641
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.6321$$

$$AQI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1965$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5165$$

Absolute Open Flow	1965	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks: Perf Prod tube less 5'

Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By
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