

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 03-21-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 02-13-81		Total Depth 6915		Plug Back TD 5779		Elevation 6023	
Csg. Size 7.000	Wt. 23	d 6.366	Set At 6915	Perforations: From 3847 To 4168		Well No. 1	
Tbg. Size 2.062	Wt. 3.25	d 1.751	Set At 4170	Perforations: From orange To peel		Unit Sec. Twp. Hgt. J 17 32N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple dual				Packer Set At 4338		County San Juan	
Producing Thru tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		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	14 days						542	1030			
1.	2.375		.750				124	625			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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1	12.365		136	1.000	.9608	1.012	1635
2.							
3.							
4.							
5.							

NO.	F _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3.					Specific Gravity Flowing Fluid <td></td>	
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

P _c 1042 P _c ² 1085764		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5967$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4204$	
NO.	P _w	P _w ²	P _c ² - P _w ²		
1	637	405679	679995		
2					
3					
4					
5					

$AQF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.323$	
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Absolute Open Flow	2323	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Extra Heavey H ₂ O			
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Approved By Commentant	Conducted By JJB	Calculated By J. J. BARNETT	Checked By
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