

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

Form C-22
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 12-8-76	
Company AMOCO PRODUCTION COMPANY					Connection El Paso Natural Gas Co.						
Pool Blanco					Formation Mesaverde					Unit	
Completion Date 11/30/76			Total Depth 5400		Plug Back TD 5365		Elevation 6281 GL		Farm or Lease Name W. H. Riddle		
Csg. Size 7.000	Wt. 20#	d 6.456	Set At 3300	Perforations: From 4530 To 5278		Well No. 1-A					
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5261	Perforations: From Open To Ended		Unit Sec. Twp. Rge. D 24 30 10					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan				
Producing Thru Tbg.		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _a		State New Mexico			
L 4904	H	G _g .65	% 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.	
SI	8 Days						519		632	
1.	2-Inch		.750				140	60°	530	
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, Mcfd
1	12.365		152	1.000	.9608	1.014	1831
2.							
3.							
4.							
5.							

NO.	P _t	Temp. *R	T _f	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 _____ °F _____ °R	

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		542	293,764	120,972
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{3.4284}}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{4613}}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{2.5195}}$

Absolute Open Flow 4613 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
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Remarks: **4.500" liner set at 3096-5400'**

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: Oliver/W.R. Cordill	Checked By: H. D. Montgomery
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