

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 4-6-77	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Co.			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 3-30-77		Total Depth 5075		Plug Back TD 5042		Elevation 5960	
Farm or Lease Name A. L. Elliott "B"				Well No.			
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2950	Perforations: From 4202 To 4929		Unit 1-A Sec. 10 Twp. 29 Rge. 9	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4948	Perforations: From Open To Ended		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	G _q .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	7 days									
1.	2.375"		.750				470		568	
2.							135		500	60°
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		147	1.000	.9608	1.013	1769
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 580	P _c ² 336,400					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ 4.5303	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 3.1052
1		512	262,144	74,256		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ **5493**

Absolute Open Flow 5493 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: **4.500" 10.5# liner set 2762'-5075'**

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