

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 4-14-77	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 4-7-77		Total Depth 5125		Plug Back TD 5044		Elevation 5994 GL	
Farm or Lease Name A. L. Elliott "D"				Well No. 1-A			
Csq. Size 7"	Wt. 20	d 6.456	Set At 3025	Perforations: From 4234 To 4979		Unit Sec. Twp. Rge. F 12 29 9	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4983	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 Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	Gg .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						568		671	
1.	2.375"	.750					220		530	60°
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		232	1.000	.9608	1.023	2820
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
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 683	P _c ² 466,489	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.7008}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.1068}$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1		542	293,764	172,725		
2						
3						
4						
5						

Absolute Open Flow 5941 Mcfd @ 15.025				Angle of Slope θ	Slope, n .75
Remarks: 4.500" liner 10.5# set @ 2822'-5125'					

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