

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 1-20-76			
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Co.					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 1-13-76		Total Depth 5381'		Plug Back TD 5346'		Elevation 6117' KB		Farm or Lease Name Valentine Gas Com	
Csq. Size 7.000	Wt. 23	d 6.366	Set At 3256'	Perforations: From 4936 To 5276		Well No. 1-A			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5263'	Perforations: From Open To Ended		Unit D	Sec. 32	Twp. 32	Rye. 10
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan			
Producing Thru		Reservoir Temp. °F 90° @		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia		State New Mexico	
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						751		751	
1.	2-Inch		.750			60°	309	60°	665	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		321	1.000	9608	1.011	3856
2							
3							
4							
5							

NO.	P _f	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 _____ R _____ R

P _c 763	P _c ² 582,168			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{4.7010}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{3.1925}$
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²	
1		677	458,329		
2					
3					
4					
5					

Absolute Open Flow 18,127 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75	
Remarks: 4.500" 11.6# Liner from 3036-5381'							
Approved By Commission:		Conducted By: T. M. Oliver		Calculated By: Oliver/D.A. Norby		Checked By: H. D. Montgomery	