

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 12/29/76	
Company AMOCO PRODUCTION COMPANY				Connection			
Pool Blanco				Formation Pictured Cliffs		Unit	
Completion Date 12-21-76		Total Depth 2960		Plug Back TD 2915		Elevation 5989 GL	
Farm or Lease Name Valentine Gas Com "B"						Well No.	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 2960	Perforations: From 2808 To 2876		Unit Sec. Twp. Rge. 1	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 2892	Perforations: From Open To Ended		Unit Sec. Twp. Rge. A 32 32 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 12 psia		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps
.65							

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	8 Days						408		956		
1.	2.375"		.750				80	60°	300		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, Mcfd
1	12.365		92	1.000	.9608	1.010	1104
2.							
3.							
4.							
5.							

NO.	P _r	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 **968** P_c² **937,024**

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		312	97,344	839,680
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1159$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0977$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1212$$

Absolute Open Flow 1212	Mcf/d @ 15.025	Angle of Slope °	Slope, n .85
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Remarks: _____

Original Signed by
H. D. MONTGOMERY

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: Oliver/Bloom	Checked By: H. D. Montgomery
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