

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 8-1-76	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 7-25-76		Total Depth 5302		Plug Back TD 5255		Elevation 6045
Farm or Lease Name Shaw Gas Com						Well No.
Csg. Size 7.000	Wt. 20#	d 6.456	Set At 3200	Perforations: From 4469 To 5152		Unit 1A
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5158	Perforations: From Open To Ended		Unit Sec. Twp. Rge. D 14 30 9
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan
Producing Thru Tbg.		Reservoir Temp. °F 90°		Baro. Press. - P _a 12 psia		State New Mexico
L	H	G _g .650	% 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.	Temp. °F	
SI	7 Days						570		570		
1.	3/4-inch		.750				275		500		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		287	1.000	.9608	1.025	3495
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °F	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R			
1.						
2.						
3.						
4.						
5.						

P _c 582	P _c ² 338,724	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{4.4231}$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{3.0500}$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		512	262,144		
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{10,660}$

Absolute Open Flow **10,660** Mcfd @ 15.025 Angle of Slope θ _____ Slope, n **.75**

Remarks: **4.500" Liner Set At 2978' - 5301'.**

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