

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 5-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special		Test Date: 10-18-77	
Company: Aztec Oil & Gas Company		Connection: Southern Union Gathering	
Pool: Blanco		Formation: Mesa Verde	
Completion Date: 10-6-77	Total Depth: 5343'	Pin Point TD: 5275'	Elevation: 5946' GR
Csg. Size: 7.000" ID, 4.500" WT, 20#		Set At: 2945'	Perforations: From 4240' To 4378'
Tbg. Size: 2.375" ID, 4.7# WT, 1.995		Set At: 5141'	Perforations: From 4669' To 5141'
Type Well - Single - Bradenhead - G.G. or G.O. Multiple			County: San Juan
Producing Thru Tbg. L			State: New Mexico
Reservoir Temp. °F: 8		Mean Annual Temp. °F: 12.2	Baro. Press. - P _a
Gg: .700		% CO ₂	% N ₂
Gg		% 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							648		887	
1.	2"	X	3/4"				264		811	1 hr
2.							256		790	2 hrs
3.							245		773	3 hrs
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		257.2	1.0000	.9258	1.0000	2944
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1										
2										
3										
4										
5										

$P_c = 899.2$ $P_c^2 = 808,561$ $P_w = 785.2$ $P_w^2 = 616,539$ $P_c^2 - P_w^2 = 192,022$	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 4.2108$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.9395$ $ADP = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8,654$
Absolute Gas Flow: 8,654 Remarks:	Slope of Graph: 75

Approved by Commission:	Conducted By: Bob Shindledecker	Checked By: James Smith
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