

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

Form C-122
Revised 9-1-75

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-3-77	
Company Aztec Oil & Gas Company		Connection El Paso Natural Gas Company	
Pool Blanco		Formation Mesa Verde	
Completion Date 10-17-77		Total Depth 5748'	Plug Back TD 5748'
Perforations From 4648' To 5304'		Elevation 6387' GR	
Owner or Lease Name Maddox Waller		Well No. #1A	
Ch. Size 7.000	Wt. 20#	d 6.456	Set At 3407'
4.500	10.50#	4.052	3245-5746'
Trq. Size 2.375	Wt. 4.7#	d 1.995	Set At 5683'
Perforations From 5333' To 5686'		Unit Sec. Twp. Rge. C 14-32N-11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple		Packer Set At -----	
Producing thru Tbg		Reservoir Temp. °F @	Mean Annual Temp. °F 12.2
L H G _s % CO ₂ % N ₂ % H ₂ S Prover		County San Juan	
Meter Run		State New Mexico	
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	
51							717				
1.	2"	X	3/4"				283				1 hr
2.							260				2 hrs
3.							248				3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Factor F _{sp}	Rate of Flow Q, Mcfd
1	12.365		260.2	1.0000	.9258	1.0000	2979
2.							
3							
4.							
5							

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

P _c 729.2	P _c ² 531,733	(i) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1459$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1075$
NO. 1	P _w 260.2	P _w ² 67,704	P _c ² - P _w ² 464,029
2			
3			
4			
5			

Absolute Open Flow	3,299	Moils @ 14.7 psia	Angle of Slope	77	Slope, n	.75
Remarks						

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