

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 11-30-76	
Company Aztec Oil & Gas Company		Connection Gas Company of New Mexico	
Pool Blanco		Formation Mesa Verde	
Completion Date 11-15-76		Total Depth 5468'	Plug Back TD 5463
		Elevation 6282' GR	Farm or Lease Name Davis
Csg. Size 7.000	Wt. 20#	d 6.456	Set At 4917
4.500	10.50#	4.052	5464
Tbg. Size 2.375	Wt. 4.7#	d 1.995	Set At 5361
		Perforations: From 5116 To 5385	Well No. #1-A
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At -----	Unit L 11 31N 12W
Producing Thru Tbg		Reservoir Temp. °F @	Mean Annual Temp. °F 12.2
		Baro. Press. - P _a	County San Juan
			State New Mexico
L	H	Gg	% 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							700		680		
1.	2	X	3/4				285		630		1 hr
2.							278		618		2 hrs
3.							275		603		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		287.2	1.0000	.9285	1.0000	3,297
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 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 712.2	P _c ² 507,229	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.9394$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.7962$
NO.	P _t ²	P _w	P _w ²
1		615.2	378,471
2			
3			
4			
5			

Absolute Open Flow 9,219		Mcf @ 15.025	Angle of Slope @	DIST. 3	Slope n .75
Remarks:					

Approved By Commission:	Conducted By: <i>[Signature]</i>	Computed By: <i>James Smith</i>	Checked By: <i>[Signature]</i>
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