

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	
Company Aztec Oil & Gas Company		Connection Southern Union Gathering	
Pool Blanco		Formation Mesaverde	
Completion Date 6-14-77		Total Depth 5728'	Plug Back TD 5713'
Elevation 6366' GR		Farm or Lease Name Page	
Case No. 7.000	Wt. 20#	d 6.456	Set At 3343
4.500	10.50#	4.052	3184-5726
Perforations: From 5344 To 5514		Well No. #1-A	
Tbg. Size 2.375	Wt. 4.7#	d 1.995	Set At 5525
Perforations: From 4677 To 5284		Unit Sec. Twp. Rge. P 18-T32N-R10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At ----	
Producing Thru Tbg		County San Juan	
Reservoir Temp. °F 12.2		State New Mexico	
L	H	Gg .700	% 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.	
SI							528		863	
1.	2"	X	3/4"				286		806	1 hr
2.							283		786	2 hrs
3.							278		769	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		290.2	1.0000	.9258	1.0000	3322
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P_c 875.2 P_c² 765,975	
NO.	$\frac{P_c^2}{P_c^2 - P_w^2}$
1	781.2 610,273 155,702
2	
3	
4	
5	

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.9195$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.3032$	
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10,973$			

Absolute Open Flow 10,973	Mcf/d @ 15.025	Angle of Slope 0	Slope, n .75
Remarks: _____			

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