

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 6-19-73	
Company Aztec Oil & Gas Company		Connection Southern Union Gathering	
Pool Undesignated		Formation Pictured Cliff	
Completion Date 6-9-73		Total Depth 3233'	Plug Back TD 3233'
		Elevation 6340 GR	Farm or Lease Name Horton
Csg. Size 4 1/2"	Wt. 10.50#	Set At 3229'	Perforations: From 3096 To 3166
Thg. Size 1"	Wt. 1.70#	Set At 3131'	Perforations: From ---- To ----
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At ----	Well No. #2
Producing Thru Casing		Reservoir Temp. °F 8	Mean Annual Temp. °F ---
Baro. Press. - P _a ---		County San Juan	
State New Mexico		Unit Sec. Twp. Rge. I 35 32N 11W	
L	H	% CO ₂	% N ₂
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.	
51							907		907	
1.	2"		3/4"				155		132	
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		132	1.0000	.9258	1.0000	1511
2.							
3.							
4.							
5.							

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

P _c 907	P _c ² 822,649	
NO.	P _t ²	P _w
1		137
2		18,769
3		803,880
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0233$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1541$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0197$

Absolute Open Flow	1541	Mcfd @ 15.025	Angle of Slope θ	Slope, n
Remarks:				

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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