

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 11/28/83	
Company Conaco Inc.				Connection New			
Pool Blanco				Formation Mesa Verde		Unit P	
Completion Date 11/8/1983		Total Depth 6136'		Plug Back TD 6075		Elevation 7091	
Farm or Lease Name AXI Apache M		Well No. 8A					
Csg. Size 5 1/2	Wt. 15.5	d 4.976	Set At 6136'	Perforations: From To		Unit Sec. Twp. Rge. P 14 25N 04W	
Thq. Size 23/8	Wt. 4.7	d 1.995	Set At 5791	Perforations: From 5250 To 5849			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple Gas, Gas				Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 143° 5549		Mean Annual Temp. °F 55° F		Baro. Pres. - P _a 12.2	
L 5776		H 5776		G _g .680		% CO ₂ % N ₂ % H ₂ S Prover 3/4"x6"	
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	7 DAYS						1232 ^a		1235 ^a		5.1,
1.	3/4" x 6" Check N. pipe						121 ^a	58 ^a F	450 ^a		3 hours
2.											
3.											
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 Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.02		133.2	1.022	1.213	N/A	6780
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas-Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.L. Gravity of Liquid Hydrocarbons <td>_____ Deg.</td>	_____ Deg.
2.					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3.					Specific Gravity Lowering Fluid <td>XXXXX</td>	XXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

OIL GON. DIST. C

NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²
1	17742	1247	1555507	1486030
2.				
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.046$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.034$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,841$$

Absolute Open Flow	1,841	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Picture cut zone still to be completed.

Approved By Commission:	Conducted By: R.A. Janner	Calculated By: R.A. Janner	Checked By: <i>[Signature]</i>
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