

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: 11/2/1982	
Company: Canaco Inc.				Connection: New		
Pool: South Blanco				Formation: Mesa Verde		
Completion Date: See Remarks		Total Depth: 6250'		Plug Back TD: 6200'		
		Elevation: 7365'		Farm or Lease Name: AXI APACHE		
Csg. Size: 7"	Wt.: 23#	d: 6.366	Set At: 6250'	Perforations: From 5553 To 6096		
Thg. Size: 2 3/8	Wt.: 4.7	d: 1995	Set At: 5998'	Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Gas Gas Multiple				Packer Set At		
Producing Thru: Tubing		Reservoir Temp. °F: 148 @ 5762'		Mean Annual Temp. °F: 55°		
		Baro. Press. - P _a : 12.2 #		State: N.M.		
L: 5986.5	H: 5986.5	G _g : .695	% CO ₂	% N ₂	% H ₂ S	
Prover: 3/4" x 6" C.W.		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							1235 #		1248 #	
1.	3/4" x 6" Check Valve						177 #		480 #	45° F
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	11.00		199.2	1.015	1.200	1.155	2,927.91
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	1.961	520° R	1.336	.749	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ 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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	3579.6	444.75	1975.03	1392.296
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.142$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,232.30$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.104$

Absolute Open Flow: 3,232.30 Mcfd @ 15.025	Angle of Slope: _____	Slope, n: .75
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Remarks: Max. well completed and tested 11/2/1982. Picture cliff completion upwiring. 140' K.B., 2-6" AGH master valve. Packer to be run and set upon P.C. completion

Approved By Commission:	Conducted By: R.A. Janner	Calculated By: R.A. Janner	Checked By:
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LTR



Job separation sheet

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 11/18/82	
Company Conoco Inc				Connection New			
Pool South Blanco				Formation Picture Cliff			
Completion Date 11/26/82		Total Depth 6250'		Plug Back TD 6200'		Elevation 7365'	
Farm or Lease Name AXI APACHE M							
Csg. Size 7"		Wt. 23#		Set At 6250'		Well No. 6	
Thq. Size 2 3/4"		Wt. 47		Set At 3832'		Well No. 6	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Gas-Gas / multiple				Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 82° @ 3820'		Mean Annual Temp. °F 55°		Baro. Press. - P _a 12.2	
L 3832'		H 3832'		Gg .670		State NM	
				% CO ₂		% H ₂ S	
				Prover		Meter Run 3.4 x 6" C.N.	
						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	3/4" x 6" Orifice						839#		855#		S.I.
1.							140#		142#	48°F	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	11.22		152.2	1.012	1.222	N/A	2,010
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1	23164.9		536520.8	644,48
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.09$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,227.32$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.076$

Absolute Crn. Flow	2227.3	Mcfd @ 15.025	Angle of Slope @	Slope, n	95
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Remarks: 14.0 K.B.

Approved By Commission:	Conducted By: R.A. Janner	Calculated By: R.A. Janner	Checked By:
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