

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 8/27/80	
Company Conoco Inc.		Connection New	
Pool South Blanco		Formation Mesa Verde	
Completion Date 8/13/80		Total Depth 6300'	Plug Back TD 6267'
		Elevation 7299'	Farm or Lease Name AXI Apache N
Csg. Size 4 1/2"	Wt. 10.5#	d 4.052	Set At 6300
Perforations: From 5934 To 6146		Well No. 13A	
Tbg. Size 2 3/8"	Wt. 4.7#	d 1.995	Set At 6104'
Perforations: From — To —		Unit Sec. Twp. Rge. i 2 25N 4W	
Type Well — Single — Bradenhead — G.G. or G.O. Multiple Single - Gas		Packer Set At None	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F 115°	Mean Annual Temp. °F 50°	Baro. Press. — P _a 12.2
State N.M.		Prover 3/4" x 6"	Meter Run Taps
L 6094'	H 6094'	G _g .610	% CO ₂ % N ₂ % H ₂ S

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	S.I. 7 DAYS						1272#		1300#		S.I.
1.	750 x 6" Choice			276#			276#	86°	840#		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 Ft.	Gravity Factor F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.0		288.2	.9759	1.280		3,960.061
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	83059.2	573.25	328626.3	1393242
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.235$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4641.1$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.235$

Absolute Open Flow	4641.1	Mcfd @ 15.025	Angle of Slope θ	Slope, n
Remarks:				

Approved By Commission:	Conducted By: CONOCO	Calculated By: RAF	Checked By: RAF
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