NEW MEXICO OIL CONSERVATION COMMSSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
DEC 21 1984
OIL CON. DIV.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 12/18/1984	
Company: Conoco Inc.		Connection: New			Unit: j
Pool: Blanco		Formation: Mesa Verde			
Completion Date: pending	Total Depth: 5975	Plug Back TD: 5918	Elevation: 7088	Farm or Lease Name: AXI Apache M	
Csg. Size: 5 1/2 / Wt.: 15.5 / d: 4.950 / Set At: 5975		Perforations: From 5655.5 To 5862		Well No.: 7 A	
Tbg. Size: 2 7/8 / Wt.: 6.5 / d: 2.441 / Set At: 5516		Perforations: From To		Unit: j / Sec.: 13 / Twp.: 25N / Rge.: 4W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single/Gas		Packer Set At: n/a		County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F: 142° @ 5700	Mean Annual Temp. °F: 55°F	Baro. Press. – P_a: 12.2	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
5700	5700	.695	n/a	n/a	n/a	3/4"C.N.	n/a	n/a

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI	7 Day BHPBU				1200#		1220#		S.I.
1.	3/4" x 6" nipple	160#		68°	160#	68°	625#		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.00		172.2	.992	1.200	1.017	2,293
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.	.257	548°R	1.112	.967
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1232.2 P_c^2 1518316.84

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	29652.8	201.32	40532.9	1477783.9
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0274$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.020$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2338.86$

Absolute Open Flow 2338.8 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Richard A. Farmer	Richard A. Farmer	

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