NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 12-6-71		
Company: Continental Oil Company		Connection: Unconnected			
Pool: Otero		Formation: Chacra		Unit	
Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name: AXI Apache "J"	
Csg. Size: 4.500 / Wt. / d / Set At		Perforations: From 3834' KB To 3855' KB		Well No.: 18	
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At		Perforations: From To		Unit: A / Sec.: 8 / Twp.: 25 / Rge.: 5	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Gas Dual		Packer Set At		County: Rio Arriba	
Producing Thru: Tbg.	Reservoir Temp. °F	Mean Annual Temp. °F: 50°	Baro. Press. – P_a: 12.2	State: New Mexico	
L	H	Gg: .680	% CO_2	% N_2	% H_2S	Taps: 3/4" Choke Nipple

	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						754		786		9 Days
1.	3/4" Choke Nipple	55			44°	55	50°	566	50°	3 Hrs.
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	9.604		67.2	1.016	1.213	1.000	795
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R T_c
1.		
2.		
3.		
4.		
5.		

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DIST. 3

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

P_c 798.2 P_c^2 637.1

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	4.516	578.2	334.3	302.8
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.104$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.747$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,389$

Absolute Open Flow 1,389 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	E. B. Errett	E. B. Errett	J. A. Mazza

cc: OCC - Aztec, File