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: 1-23-72	
Company: Continental Oil Company		Connection: Unconnected		
Pool: Otero		Formation: Chacra		Unit
Completion Date: 1-5-72	Total Depth: 5339' RB	Plug Back TD: 5300' RB	Elevation: 6652' RB	Farm or Lease Name: AXI Apache "J"
Csg. Size: 5.50" / Wt.: 14# / d: 5.012 / Set At: 5338' RB		Perforations: From 3758' To 3784' RB		Well No.: 21
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 3795' Grd		Perforations: From Open To Ended		Unit: I / Sec.: 5 / Twp.: 25 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas-Gas Dual		Packer Set At: 4988' GR		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: 113° 3759' Grd	Mean Annual Temp. °F: 50°	Baro. Press. – P_a: 12.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S		
3795	3795	.680	---	----	---	3/4" Choke Nipple	

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							771	50	830	50	S-I 361 Hrs
1.	3/4" Choke Nipple			57		47	57	47	512	47	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		69.2	1.013	1.213	1.000	817
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
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 842.2 P_c^2 709.3

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		524.2	274.8	434.5
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6325$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4442$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,180$

Absolute Open Flow 1,180 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	D. Barnes

NMOCC(Aztec)3, BEA, File, Humble Oil