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: 2-2-72	
Company: Continental Oil Company		Connection: Unconnected			
Pool: Otero		Formation: Chacra		Unit	
Completion Date: 1-15-72	Total Depth: 5375' RB	Plug Back TD: 5014' RB	Elevation: 6710' Grd.	Farm or Lease Name: AXI Apache "J"	
Csg. Size: 5½" OD / Wt.: 14# / d: 5.012 / Set At: 5374' RB		Perforations: From 3769' To 3781' KB		Well No.: 23	
Tbg. Size: 1.66" / Wt.: 2.40 / d: 1.380 / Set At: 3815' Grd		Perforations: From Open To ended		Unit: D / Sec.: 8 / Twp.: 25 / Rge.: 5	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Gas Dual		Packer Set At: 5002' GR		County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F: 113° @ 3763' Grd	Mean Annual Temp. °F: 50°	Baro. Press. – P_a: 12.2	State: New Mexico	
L: 3815	H: 3815	Gq: .680	% CO_2	% N_2	% H_2S
Meter Run: 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						668		694		SI 14 days
1.	3/4" Choke Nipple		41		44	41	44	286	44	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		53.2	1.016	1.213	1.000	630
2.							
3.							
4.							
5.							

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

FEB 14 1972
OIL CON. COM.
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 .680
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 706.2 P_c^2 498.7

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		298.2	88.923	409.8
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2169$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1586$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 730$

Absolute Open Flow 730 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. B. Barnes

NMOCC(Aztec)3 BEA File, Humble Oil