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: 1-11-72	
Company: Continental Oil Company	Connection: Unconnected			
Pool: Undesignated	Formation: Mesaverde			Unit:
Completion Date: 12-30-71	Total Depth: 5203' KB	Plug Back TD: 5166' KB	Elevation: 6524' GR	Farm or Lease Name: AXI Apache "J"
Csg. Size: 5½" O.D. / Wt.: 14# / d: 5.012	Set At: 5203' KB	Perforations: From 4831 To 5058 KB		Well No.: 22
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995	Set At: 4792' GR	Perforations: From To		Unit: L / Sec.: 6 / Twp.: 25 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Gas Dual		Packer Set At: 4804' KB		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: 132 @ 4932'GR	Mean Annual Temp. °F: 50°	Baro. Press. – P_a: 12.2	State: New Mexico
L: 4792 / H: 4792	Gg: .680	% CO_2: - - - / % N_2: - - -	% H_2S: - - -	~~Prover~~ ~~Meter Run~~ / Taps: 3/4" Choke Nipple

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 8 days
1.	Choke Nipple	76		52	76	52			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		88.2	1.008	1.213	1.013	1049
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.2092	512	1.434	.975
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas .680 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX .680
Critical Pressure _____ P.S.I.A. 669 P.S.I.A.
Critical Temperature _____ R 385 R

RECEIVED JAN 21 1972 OIL CON. COM. DIST. 3

P_c 1174.2 P_c^2 1,378.7

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	7,779		29.269	1349.4
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0217$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0163$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1066$

Absolute Open Flow 1066 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Insignificant amount of oil and load water produced.

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

NMOCC(Aztec)3 BFA File Humble Oil