NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special — Test Date: 7-15-77

Company: Continental Oil Co.	Connection: None		
Pool: Blanco	Formation: P.C.		Unit
Completion Date: 6-22-77	Total Depth: 3195	Plug Back TD: 3124	Elevation: 6778'
Farm or Lease Name: AXI Apache "J"			
Csg. Size: 2 7/8 / Wt. / d / Set At: 3179	Perforations: From 2976 To 3628		Well No.: 27
Tbg. Size / Wt. / d / Set At	Perforations: From To		Unit: G / Sec.: 8 / Twp.: 25N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas	Packer Set At		County: Rio Arriba
Producing Thru: Csg	Reservoir Temp. °F: 101 @ 2900'	Mean Annual Temp. °F: 50°	Baro. Press. – P_a: 12.2
State: N.M.			

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3002	3002	.69						

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI											
1.	3/4"		choke nipple	85		55°			751	78°	
2.									85	55°	3 hr.
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	11.0		97	1.005	1.204	Neg1.	1,291
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.				
2.				
3.				
4.				
5.				

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 763 P_c^2 582169

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		129	16598	565571
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.03$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.03$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,330$

Absolute Open Flow 1,330 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	F. T. Chavez	F. T. Chavez	

NMOCC - AZTEC (2) - BEA - FILE
USGS - DURANGO (2)