

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-19-77	
Company Continental Oil Co.		Connection None	
Pool South Blanco		Formation Pictured Cliffs	
Completion Date 8-10-77		Total Depth 6086'	Plug Back TD 5986 Elevation 7212
Farm or Lease Name AXI Apache 0"		Well No. 10	
Csg. Size 5 1/2	Wt. 15.5	Set At 6080	Perforations: From 3704 To 3746
Thg. Size 2 3/8	Wt. 4.7	Set At 3676	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple GG		Packer Set At None	
Producing Thru Tkg		Reservoir Temp. °F 109° 36.50	Mean Annual Temp. °F 50°
Baro. Press. - P _a 12.2		State N.M.	
L 3676	H 3676	G _g .69	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps

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
1.	7/8" choke pipe			167		60°	167	60°	312	60°	34u.
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, F _{pv}	Rate of Flow Q, Mcfd
1.	11.00		179	1.00	1.204	Negl.	2,371
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcf/bbl.	Deg.
1.												
2.												
3.												
4.												
5.												

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.		340	11552	667698
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.173$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,715$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.145$

Absolute Open Flow	2,715 Mcfd @ 15.025		Angle of Slope θ	Slope, n = .85
Remarks:				

Approved By Commission:	Conducted By: F.T. Chavez	Calculated By: F.T. Chavez	Checked By:
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NMOC AZTEC (2) - USGS, DURANGO (2) - BEA - FILE