

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 9/20/77	
Company Continental Oil Co.		Connection None	
Pool South Blanco		Formation Pictured Cliff	
Completion Date 9/8/77		Total Depth 6258'	Plug Back TD 6210'
Elevation 7300'		Farm or Lease Name AXI Apache "N"	
Csg. Size 5 1/2	Wt. 15.5	Set At 6256'	Perforations From 3838 To 3842
Tbg. Size 2 3/8	Wt. 4.7	Set At 3799	Perforations From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - gas		Packer Set At	
Producing Thru Tbg.		Reservoir Temp. °F 50	Mean Annual Temp. °F 12.2
Baro. Press. - P _a 12.2		State N. Mex.	
Unit 3799	Sec. 3799	Twp. 25N	Rge. 4W
County Rio Arriba		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.	3/4" choke nipple			123		63°	123	63°	323	63°	3 hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.00		135	.9971	1.204	None	1783
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 P.S.I.A.	Critical Temperature °R
1.										
2.										
3.										
4.										
5.										

P _c 744	P _c ² 553536	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.038$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.032$
NO.	P _r ²	P _w ²	P _c ² - P _w ²
1			
2			
3	14.3	20,426	533110
4			
5			

Absolute Open Flow <u>1,841</u> Mcfd @ 15.025		Angle of Slope <u>.85</u>	
Remarks:			
Approved By Commission:	Conducted By: D.L. Moore	Calculated By: D.L. Moore	Checked By:

11665 DURANGO (2) - BEA - FILE