

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 11-10-66			
Company Continental Oil Company				Connection Pending					
Pool Ballard				Formation Pictured Cliffs				Unit	
Completion Date 9-7-66		Total Depth 2375'		Plug Back TD 2300'		Elevation 6779' GR		Farm or Lease Name AXI Apache "F"	
Csg. Size 3.500	Wt. 7.7#	d 2.375	Set At 2375'	Perforations: From 2257' To 2271'		Well No. 4			
Tbg. Size 1.990	Wt. 2.75#	d 1.610	Set At 2250'	Perforations: From 2250' To		Unit Sec. Twp. Rye. P 11 23N 5W			
Type Well - Single - Bradenhead - G.G. or G.C. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru CSG		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg	% 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 CHOKE	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						692		692		
1.	3/4"				56	292	56	190	56	3 hrs.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w} \cdot m$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	12.3650		202	1.0039	1.000	1.016	2.548
2							
3							
4							
5							

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

P _c 704	P _c ² 495.616	
NO.	P _t ²	P _w
1		304 92.416 403.2
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2292$$

$$ADP = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3036$$

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DIST. 3

Absolute Open Flow 3036 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____		

Approved By Commission:	Conducted By:	Calculated By: E. B. Errett	Checked By: <i>John Van Meter</i>
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