

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 1-15-72	
Company Continental Oil Company				Connection Unconnected		
Pool Undesignated				Formation Mesaverde		Unit
Completion Date 1-5-72		Total Depth 5339' KB		Plug Back TD 5300' KB		Elevation 6640' GL
Csg. Size 5 1/2"		Wt. 14#		Set At 5338' KB		Perforations: From 5039 To 5216' KB
Tbg. Size 2.375		Wt. 4.70		Set At 4988' GR		Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Gas Dual				Packer Set At 4988' GR		Farm or Lease Name AXI Apache "J"
Producing Thru Tubing		Reservoir Temp. °F 134 @ 5115' GR		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2
L 4988		H 4988		G _g .680		% CO ₂ - - -
				% N ₂ - - -		% H ₂ S - - -
				3/4" Choke Nipple		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
SI							1213	50			7 days
1.	Choke Nipple					52	160	52			3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS						
NO.	Coefficient (24 Hour)	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	9.604	172.2	1.008	1.213	1.027	2,077
2.						
3.						
4.						
5.						

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.3966	553	1.436	.950	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .680 X X X X X X X X
3.					Specific Gravity Flowing Fluid X X X X X .680
4.					Critical Pressure _____ P.S.I.A. 699 P.S.I.A.
5.					Critical Temperature _____ R 385 R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1032$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0765$
1	29,652		114,580	1,110.6		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,236$

Absolute Open Flow <u>2,236</u> Mcfd @ 15.025	Angle of Slope θ _____	Slope, n <u>.75</u>
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Remarks: An insignificant amount of oil and load water was produced.

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