

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 8-5-77				
Company Continental Oil Co.					Connection None				
Pool Blanco					Formation Mesa Verde				
Completion Date 7-15-77		Total Depth 6297		Plug Back TD 6174		Elevation 7383		Farm or Lease Name AxIA Apache "N"	
Csg. Size 5 1/2	Wt. 15.5	d	Set At 6297	Perforations: From 6012 To 6084		Well No. 12			
Tbg. Size 2 7/8	Wt. 4.70	d	Set At 6072	Perforations: From To		Unit C 1125N 4W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single gas					Packer Set At		County Rio Arriba		
Producing Thru Tbg		Reservoir Temp. °F 122.5950		Mean Annual Temp. °F 50°		Baro. Press. - P _g 12.2		State N.M.	
C 6072	H 6072	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
SI							1225	75°	1230	75°	
1.	3/4" choke nipple			153		60°	153	60°	535	60°	34.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow - Q, Mcfd
1	11.00		165	1.0	1.204	Neg	2,185
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ 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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		371	138000	1404564
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.098$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,344$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.073$

Absolute Open Flow	2,344	Mcfd @ 15.025	Angle of Slope @	Slope, n	75
Remarks:					

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