

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 9-4-73	
Company Continental Oil Company				Connection Unconnected		
Pool Ballard				Formation Pictured Cliffs <i>E4</i>		Unit
Completion Date 9-4-73		Total Depth 2455		Plug Back TD 2416		Elevation 6764' GR
Farm or Lease Name AXI Apache "F"		Well No. 5				
Csg. Size 4.5	Wt. 10.5	d 	Set At 2455	Perforations: From 2194 To 2226		
Tbg. Size 1.250	Wt. 2.4	d 1.380	Set At 2233	Perforations: From To		Unit Sec. Twp. Rye. D 14 23N 5W
Type Well - Single - Bradenhead - G.O. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 88° @ 2198' GR		Mean Annual Temp. °F 		State New Mexico
L 2233	H 2233	Gg .680	% CO ₂	% N ₂	% H ₂ S	Pressure 3/4"
						Choke Nipple

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							592		592		8-1 7 days
1.	Choke Nipple 3/4"			22		58°	22	58	298	58	3 Hrs.
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	9.604		34.2	1.002	1.213	1.00	399
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	.109	518	1.384		A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 604.2	P _c ² 365.1	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.358$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.297$
NO.	P _t ²	P _w	P _w ²
1	1.170	310.2	96.224
2			
3			
4			
5			

Absolute Open Flow _____ 518 _____ Mcfd @ 15.025		Angle of Slope _____	
Slope, n .85			
Remarks: Pr too Small For Z Valve to be Included in Table A			

Approved By Commission:	Conducted By: E. B. Errett	Calculated By: E. B. Errett	Checked By:
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