

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 3/9/79			
Company Amoco Production Company				Connection Gas Company Of New Mexico					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 3-2-79		Total Depth 7397		Plug Back TD 6790		Elevation 6852 KB		Farm or Lease Name Jicarilla Apache 102	
Csg. Size 4.50	Wt. 11.6	d 4.052	Set At 7397	Perforations: From 5208 To 5732		Well No. 31			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5597	Perforations: Sliding Sleeve Open From To 5508		Unit M	Sec. 10	Twp. 26N	Rye. 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 5534		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .65	% 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	7 Days						868		846		
1.	2.375	.750					60	60	434		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		72	1.000	.9608	1.008	862
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 _f	P _w	P _c ²	P _c ² - P _w ²
1	880	446	774400	575484
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3456$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1077$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2494$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____
Remarks: Tubing has sliding sleeve which is open at 5508'.	

Approved By Commission	Conducted By R. A. Conner	Calculated By R. A. Conner	Checked By J. L. Krupka
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