

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

JAN 27 1972

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-24-72			
Company AMOCO PRODUCTION COMPANY				Connection None			
Pool Undesignated				Formation Fruitland		Unit	
Completion Date 1-17-72		Total Depth 3027		Plug Back TD 2850'		Elevation / RDB GL 6266/6275	
Farm or Lease Name A. L. Elliott "A"							
Csg. Size 4.5	Wt. 10.5	d 4.090	Set At 3027	Perforations: From 2621 To 2797		Well No. 2	
Tbg. Size 1.660	Wt. 2.3	d 1.380	Set At 2646	Perforations: From Open End To		Unit Sec. Twp. Rge. D 11 29 9	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA Est.	
State New Mexico							
L 2709	H 2709	G _g .650	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI	7 Days						
1.	2-Inch		.750	62			3 Hr.
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	12.3650		74	1.000	.9608	1.000	879
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _r	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		
P _c	686	P _c ²	470,596				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{470,596}{402,996}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1408$		
1		260	67,600	402,996			
2							
3							
4							
5							
Absolute Open Flow 1003 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .85	
Remarks: _____							
Approved By Commission:		Conducted By: B. D. Dukes		Calculated By: J. A. Pope		Checked By: D. A. Wayhan	