

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 11-28-72				
Company AMCO PRODUCTION COMPANY				Connection None					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date 11-21-72		Total Depth 2660'		Plug Back TD 2594'		Elevation 5931' KB		Farm or Lease Name A. L. Elliott Gas-Conn "C"	
Csg. Size 4.50	Wt. 9.5	d 4.090	Set At 2617	Perforations: From 2479 To 2526		Well No. 3			
Thq. Size 1.66	Wt. 2.4	d 1.380	Set At 2544	Perforations: From Open To Ended		Unit Sec. Twp. Rge. B 15 29N 9W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At --		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA		State New Mexico	
L	H	G _g .650	% 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 2-Inch	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				910		911		
1.	2-Inch .750				107	60°	379		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	12.365		119	1.000	.9608	1.012	1431
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

P _c 923	P _c ² 851,929				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		391	152881	699048	
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2186$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1693$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.183$

Absolute Open Flow 1693 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .35
Remarks: _____		

Approved By Commission:	Conducted By: J. F. Ellledge	Calculated By: P. C. Ellison	Checked By: J. Arnold Snell
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