

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 11-16-78					
Company AMOCO PRODUCTION COMPANY				Connection GAS COMPANY OF NEW MEXICO	
Pool BASIN				Formation DAKOTA	
Completion Date 11-9-78		Total Depth 8345		Plug Back TD 8330	
				Elevation 7233	
Farm or Lease Name JICARILLA APACHE					
Well No. 151 No. 8					
Csg. Size 4.50	Wt. 11.6	d 4.000	Set At 8345	Perforations: From 8119 To 8318	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8303	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 0		Mean Annual Temp. °F 0	
				Baro. Press. - P _a New Mexico	
L .	H .	Gg .	% 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.	
SI	7 days						2120		2120	
1.	2.375		.750				75	60	458	
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		87	1	.9258	1.012	1008
2.							
3.							
4.							
5.							

NO.	P _r	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 2132	P _c ² 4545424	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0511$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0381$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	470	220900	4324524
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1046$

Absolute Open Flow **1046** Mcfd @ 15.025 Angle of Slope θ _____ Slope, n **75**

Remarks: _____

Approved By Commission	Conducted By RAC	Calculated By RAC	Checked By J. L. Krupka
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