

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

Form O-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-18-78		7 1073	
Company Amoco Production Company				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 8-11-78		Total Depth 8075		Plug Back TD 8070		Elevation 6346	
Csg. Size 4.500		Wt. 11.6		Set At 4.000		Perforations: From 7913 To 8085	
Tbg. Size 2.375		Wt. 4.7		Set At 1.995		Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		Farm or Lease Name Rosa Unit	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g .71		% 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.	
1.	7 days						2968		2968	
2.	2.375	0.750					360	60	1175	
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		372	1.000	0.9193	1.047	4427
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _r 2980 P _c ² 8880400			
NO.	P _r	P _w	P _r ² - P _w ²
1.		1187	1408969
2.			7471431
3.			
4.			
5.			

(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.1886$

AOIF = Q $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 5039$

(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.1383$

Absolute Open Flow	5039	Mcf @ 15.025	Angle of Slope α	Slope, n	.75
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Approved By Commission: _____
 Conducted By: T. M. Oliver
 Calculated By: TMO/TLL
 Checked By: J. L. Krupka