

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 7-18-79						
Company AMOCO PRODUCTION COMPANY						Connection GAS COMPANY OF NEW MEXICO						
Pool BASIN						Formation DAKOTA						
Completion Date 7-6-79			Total Depth 7580			Plug Back TD 7500		Elevation 6727		Farm or Lease Name JICARILLA CONTRACT 147		
Csg. Size 4.500		Wt. 11.6		Set At		Perforations: From 7238 To 7284				Well No. NO. 9		
Thg. Size 2.375		Wt.		Set At 7217		Perforations: From OPEN To ENDED				Unit Sec. Twp. Rge. 7 25N 5W		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE						Packer Set At NONE				County RIO ARRIBA		
Producing Thru TUBING			Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a				State NEW MEXICO	
L		H		G _q		% 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						2381		2385		
1.	2.375		.750				200	60	867		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		212	1.000	.9258	1.025	2488
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
					Specific Gravity Separator Gas _____ X X X X X X X X	
					Specific Gravity Flowing Fluid _____ X X X X X	
					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
					Critical Temperature _____ R _____ R	

P _c 2397 P _c ² 5745609				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1554$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1144$	
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²			
1		879	772641	4972968			
2							
3							
4							
5							

Absolute Open Flow 2773 _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75 _____	
Remarks: _____							

Approved By Commission	Conducted By R. A. Conner	Calculated By R. A. Conner	Checked By B. E. Fackrell
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