

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 6-1-79	
Company AMOCO PRODUCTION COMPANY				Connection NORTHWEST PIPELINE CORPORATION			
Pool BASIN				Formation DAKOTA			
Completion Date 5-21-79		Total Depth 7313		Plug Back TD		Elevation 6763 KB	
Csg. Size 4.500		Wt. 10.5		Set At 4.052		Perforations: From 7080 To 7134	
Thy. Size 2.375		Wt. 4.7		Set At 1.995		Perforations: From Open To Ended	
Type Well - Single - Brokenhead - G.G. or G.O. Multiple SINGLE						Packer Set At NONE	
Producing Thru TUBING		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg .70		% 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.
1.	11 Days						1715
2.	2.375		.750				38
3.							2090
4.							340
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		50	1.000	.9258	1.006	576
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 _____ R		
P _c 2102		P _c ² 4418404		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0289$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0216$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 588$		
1.		352	123904	4294500			
2.							
3.							
4.							
5.							
Absolute Open Flow 588				Mcfd @ 15.025		Angle of Slope θ	
Remarks:				Slope, n .75			
Approved By Commission		Conducted By R. A. Conner		Calculated By R. A. Conner		Checked Original Signed By B. E. Fackrell	