

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 09 16 80					
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.							
Pool BASIN				Formation DAKOTA		Unit					
Completion Date 09 04 80		Total Depth 6152		Plug Back TD 6118		Elevation 5684 GL					
Csg. Size 4.500		Wt. 10.5		Set At 6152		Perforations: From 5966 To 6016					
Tbg. Size 2.375		Wt. 4.7		Set At 6043		Perforations: From open To ended					
Type Well - Single - Hardhead - G.C. or G.O. Multiple SINGLE						Packer Set At NONE					
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a					
L		H		Gg		Prover					
				% CO ₂		% H ₂ S					
						Meter Run					
						Taps					
FLOW DATA				TUBING DATA		CASING DATA					
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	Duration of Flow
SI	7 days						1266		1472		3 hrs
1.	2.375	.750					196		487		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd				
1	12.365		208	1.000	.9258	1.025	2441				
2.											
3.											
4.											
5.											
NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas _____						
3.					Specific Gravity Flowing Fluid _____						
4.					Critical Pressure _____ P.S.I.A.						
5.					Critical Temperature _____ °R						
P _c 1484 P _c ² 2202256					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{1.1275}}$						
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{1.0942}}$											
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²							
1	499	249001	1953255								
2											
3											
4											
5											
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{2671}}$											
Absolute Open Flow 2671 Mcfd @ 15.025					Angle of Slope θ _____		Slope, n .75				
Remarks: _____											
Approved by Commission		Conducted by JJB		Calculated by J J BARNETT		Checked by W L PETERSON					