

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 05 27 80						
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS COMPANY							
Pool BASIN				Formation DAKOTA				Unit			
Completion Date 04 27 80		Total Depth 6106		Plug Back TD 6070		Elevation 5376 GL		Farm or Lease Name GALLEGOS CANYON UNIT			
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 6106	Perforations: From 5860 To 6018		Well No. 154E					
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6039	Perforations: From open To endad		Unit E	Sec. 27	Twp. 29	Rge. 12		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE					Packer Set At NONE		County SAN JUAN				
Producing Thru TUBING		Reservoir Temp. °F φ		Mean Annual Temp. °F		Baro. Press. - P _a		State 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.		Temp. °F
SI	9 days						330		550		3 hrs
1.	2.375		.750				53		360		
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		65	1.000	.9258	1.007	749				
2.											
3.											
4.											
5.											
NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bsl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas _____ X 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						
NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.7798}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.5409}$						
1		372	138384	177460	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1154}$						
2											
3											
4											
5											
Absolute Open Flow 1154 Mcfd @ 15.025					Angle of Slope θ _____						
Remarks: _____											
Approved By Commission:			Conducted By: JJB			Calculated By: J J BARNETT			Checked By: R. A. DOWNEY		

