

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 2-24-78							
Company AMOCO PRODUCTION COMPANY			Connection El Paso Natural Gas Company								
Pool Blanco			Formation Mesaverde		Unit						
Completion Date 2-15-78		Total Depth 4715		Plug Back TD 4687	Elevation 5756						
Farm or Lease Name Heath Gas Com "C"											
Chg. Size 7.0	Wt. 20	d 6.456	Set At 2746	Perforations: From 3855 To 4630							
Well No. 1A											
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At	Perforations: From Open To Ended							
Unit Sec. Twp. Rge. N 31 30 9											
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None							
County San Juan											
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F							
Baro. Press. - P _a New Mexico											
L	H	Gg .65	% 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	Duration of Flow
SI	9 days						782		785		
1.	2.375		0.750				205	60	505		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1.	12.365		217	1.000	.9608	1.021	2632				
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 _____				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		
P _c 797		P _c ² 635209									
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ 1.7265		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 1.5062				
1.		517	267289	367920							
2.											
3.											
4.											
5.											
Absolute Open Flow 3964 Mcfd @ 15.025					Angle of Slope θ _____			Step, n .75			
Remarks: 4.50" 10.5# Liner Set 2538' - 4721'											
Approved By Commission:			Conducted By: T. M. Oliver			Calculated By: TMO/TOB			Checked By: J. L. Krupka		

