

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

Form C-1
Revised 5-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 1-27-86	
Company El Paso Natural Gas			Connection		
Pool Blanco			Formation Mesa Verde		Unit
Completion Date 1-27-86		Total Depth 8025	Plug Back TD 8018	Elevation 6706 GR	Farm or Lease Name S.J. 28-5 Unit
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3898	Perforations: From 5357* To 6182	
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 6175	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At	
Producing Thru Tbg.			Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a
County Rio Arriba			State New Mexico		
L	H	G _g .700	% 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							870		985		14 Days
1.			.750	210		59	210		907		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		222	1.0010	9258	1.030	2620
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 997	P _c ² 994009	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = \frac{944009}{149448}$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 4.14$		
NO.	P _r	P _w	R _w ²	P _e ² - R _w ²	
1		919	844561	149448	
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 10851$

Absolute Open Flow 10851 Mcfd @ 15.025	Angle of Slope @ _____	Slope,75
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Remarks: *4½" Liner set - 6300' - 8025'.
*7" Liner set 3753' - 6437'.
Gas Vented during test = 337 MCF.

Approved By Commission:	Conducted By: John Easley	Calculated By: Scott H. Lindsay	Checked By: kld
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