

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Ballard		Formation Pictured Cliffs				County Rio Arriba	
Initial x		Annual		Special		Date of Test June 13, 1966	
Company Florance <i>D.G.</i> Florance Florance				Lease Jicarilla Florance 'D'		Well No. 4	
Unit NE/4		Sec. 6	Twp. 23N	Range 4W	Purchaser El Paso Natural Gas Company		
Casing 2-7/8		Wt. 6.50	I.D. 2.441	Set at 2610	Perf. 2512	To 2530	
Tubing None		Wt.	I.D.	Set at	Perf.	To	
Gas Pay:	From 2512	To 2530	L 2521	G .650 (est)	GL 1639	Bar. Press. 12.0	
Producing Through:		Casing x		Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual single	
Date of Completion 6/6/66		Packer None		Reservoir Temp.			

OBSERVED DATA

Tested Through:		Prover <input checked="" type="checkbox"/>	Choke <input type="checkbox"/>	Meter <input type="checkbox"/>	Type of Taps					
FLOW DATA		TUBING DATA		CASING DATA		DURATION OF FLOW HR.				
No.	(Prover) (Pipe) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h.w.	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	2	.750	285		60			600	60	7 days
2.								285		3 hrs.
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_T	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF P D @ 15.025 psia
1.	12.20		297	1.000	.9608	1.029	3582
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 F_c **5.551** $(1-e^{-S})$ **0.112** P_c **702** P_c^2 **492,804**

No.	$\frac{P_w}{P_t}$ psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2 364	$P_c^2 - P_w^2$	Cal $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.	297	88,209	19,884	395,373	44,282	132,491	360,313	1.3677	1.3049
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4,674** MCFPD: **850**

COMPANY **Florance P. Florance** WITNESSED _____

ADDRESS _____ COMPANY _____

AGENT AND TITLE **Wayne B. Smith, Jr.**

