

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

Form C-122
Revised 12-1-55

Pool Fallard			Formation Pictured Cliffs			County Rio Arriba		
Initial 1		Annual		Special		Date of Test June 13, 1966		
Company Florence & Florence				Lease Jicarilla Florence 'D'			Well No. 3	
Unit NE/4	Sec. 5	Twp. 23N	Range 4h		Purchaser El Paso Natural Gas Company			
Casing 2-7/8	Wt. 6.50	I.D. 2.441	Set at 2670		Perf. 2508		To 2632	
Tubing None	Wt.	I.D.	Set at		Perf.		To	
Gas Pay:	From 2508	To 2632	L 2617	G .650 (est)	GL 1701	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 ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.								724		7 days
2.	TC	.750	314		60			314	60	3 hrs.
3.										
4.										
5.										
6.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w p_t}$	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.	12.365		326	1.000	.9608	1.032	3997
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 _____
 P_e **5.551** (1-e^{-S}) **0.116** P_c **736** P_c^2 **541.696**

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^2 404	$P_c^2 - P_w^2$	Cal $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.	326	106.276	22.187	492.263	57.103	163.379	378.317	1.4319	1.3568
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5.423** MCFPD; n **.250**

COMPANY **Florence & Florence** WITNESSED _____

ADDRESS _____ COMPANY _____

AGENT AND TITLE *George W. Smith, Jr.*

