

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 **Florence & Florence** Lease **Jicarilla Florence '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 ☒ Choke ☐ Meter ☐ Type of Taps _____

FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
(Prover) (Well) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
							690		7 days
2	.750	285		60			285	60	3 hrs.

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
	12.20		297	1.000	.9608	1.049	3582

PRESSURE CALCULATIONS

Gas-Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 P_c **5.551** $(1-e^{-S})$ **0.112** P_c **702** P_c^2 **492.804**

No.	P_w 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 P_w	$\frac{P_w}{P_c}$
1.	297	88.209	19.884	395.373	44.282	132.491	360.313	1.3677	1.3049
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1.674** MCFPD; n **.850**

COMPANY **Florence & Florence** WITNESSED _____

ADDRESS _____ COMPANY _____

AGENT AND TITLE **Laurel R. Smith, Jr.**

