

File

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 D. E. Florence Florence & Florence		Lease Jicarilla Florence 'D'		Well No. 2	
Unit NW/4	Sec. 6	Twp. 23N	Range 4	Purchaser El Paso Natural Gas Company	
Casing 2-7/8	Wt. 6.50	I.D. 2.441	Set at 2500	Perf. 2484	To 2510
Tubing None	Wt.	I.D.	Set at	Perf.	To
Gas Pay:	From 2490	To 2510	L 2500	G .650 (est)	GL 1625
					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) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. hw	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.								619		7 days
2.	2	.500	127		60			129	60	3 hrs.
3.										
4.										
5.										
6.										

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 PD @ 15.025 psia
1.	5.523		141	1.000	.9608	1.012	757
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas-Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
 F_c **5.551** (1-e^{-S}) **0.112**

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
 P_c **711** P_c^2 **505.521**

JUL 14 1966
OL. CON. COM.
DIST. 3

No.	P_w P_t psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2 148	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.	141	19.881	4.202	17.657	1.978	21.859	483.662	1.0452	1.383
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **786** MCFPD; n **.650**

COMPANY **Florence & Florence** WITNESSED _____

ADDRESS _____ COMPANY _____

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