

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

Form C-122  
Revised 12-1-55

Pool <b>Ballard</b>		Formation <b>Pictured Cliffs</b>			County <b>Rio Arriba</b>	
Initial <b>x</b>	Annual	Special	Date of Test <b>12/15/66</b>			
Company <b>D. E. Florence</b>		Lease <b>Skelly - Florence</b>		Well No. <b>2</b>		
Unit <b>G</b>	Sec. <b>5</b>	Twp. <b>23N</b>	Range <b>4W</b>	Purchaser <b>El Paso Natural Gas Company</b>		
Casing <b>4-1/2"</b>	Wt.	I.D.	Set at <b>2785'</b>	Perf.	To	
Tubing <b>2"</b>	Wt.	I.D.	Set at <b>2721'</b>	Perf.	To	
Gas Pay:	From	To	L	G <b>650(est)</b>	GL Bar. Press.	
Producing Through:			Casing	Tubing <b>x</b>	Type Well - Single - Braden head - G.G. or G.O. Dual <b>Single</b>	
Date of Completion		Packet	Reservoir Temp.			

OBSERVED DATA

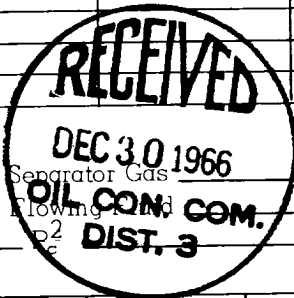
Tested Through:				Prover <input type="checkbox"/>	Choke <input type="checkbox"/>	Meter <input type="checkbox"/>	Type of Taps			
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h <sub>w</sub>	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.		<b>.750T.C.</b>	<b>158</b>			<b>158</b>	<b>50</b>	<b>731</b>		<b>7 days</b>
2.								<b>461</b>		<b>3 hrs</b>
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Compress. Factor F <sub>pv</sub>	Rate of Flow Q-MCF PD @ 15.025 psia
1.	<b>12.365</b>		<b>170</b>	<b>1.0098</b>	<b>.9608</b>	<b>1.0000</b>	<b>2,039</b>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas-Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl. Specific Gravity Separator Gas \_\_\_\_\_  
 Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg. Specific Gravity Flowing \_\_\_\_\_  
 F<sub>c</sub> \_\_\_\_\_ (1-e<sup>-S</sup>) \_\_\_\_\_ P<sub>c</sub> \_\_\_\_\_



No.	P <sub>w</sub> psia	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-S</sup> )	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Cal P <sub>w</sub>	$\frac{P_w}{P_c}$
1.	<b>473</b>					<b>223,729</b>	<b>328,320</b>	<b>1.6814</b>	<b>1.5553</b>
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 3,171 MCFPD; n .85

COMPANY D. E. Florence WITNESSED \_\_\_\_\_

ADDRESS \_\_\_\_\_ COMPANY \_\_\_\_\_

AGENT AND TITLE Wayne B. Smith, PE