

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

Form C-122
Revised 12-1-55

Pool <u>Basin</u>		Formation <u>Delta</u>		County <u>San Juan</u>	
Initial <u>X</u>	Annual	Special	Date of Test <u>6-24-67</u>		
Company <u>Pioneer Production Co.</u>		Lease <u>Flora Vista</u>		Well No. <u>1</u>	
Unit <u>F</u>	Sec. <u>22</u>	Twp. <u>30 N</u>	Range <u>12 W</u>	Purchaser	
Casing <u>4 1/2</u>	Wt. <u>10.5</u>	I.D.	Set at <u>6450</u>	Perf. <u>6214</u>	To <u>6408</u>
Tubing <u>1 1/4</u>	Wt. <u>2.4</u>	I.D.	Set at <u>6380</u>	Perf. <u>open hole</u>	To
Gas Pay: From <u>6214</u> To <u>6408</u>		L <u>0.680</u>		Bar. Press.	
Producing Through: Casing		Tubing <u>X</u>		Type Well - Single - Brader head - G.G. or G.O. Dual <u>Single - Gas</u>	
Date of Completion <u>6-7-67</u>		Packer		Reservoir Temp. <u>1</u>	

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.						<u>19.7</u>		<u>2104</u>		
2.										
3.	<u>2"</u>	<u>3/4"</u>	<u>220</u>		<u>59</u>			<u>1529</u>		<u>34</u>
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor P_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.							
2.							
3.	<u>12.3650</u>		<u>235</u>	<u>1.0014</u>	<u>0.9393</u>	<u>1.028</u>	<u>2775</u>
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 $F_c =$ _____ $(1 - e^{-S})$ $P_c =$ 2076 $P_c^2 =$ 4310256

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	$P_c^2 - P_w^2$	$\frac{C_d}{P_w}$	$\frac{P_w}{P_c}$
1.									
2.									
3.	<u>1541</u>					<u>237381</u>	<u>168398</u>		<u>2.4654</u>
4.									
5.									

ABSOLUTE POTENTIAL: 5356 MCFPD: n 3.15 1.920

COMPANY Pioneer Production Co. WITNESSED _____

ADDRESS Box 234, Farmington, N.M. COMPANY _____

AGENT AND TITLE C. H. Smith, Engineer

