

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Operator <b>Williams Production Company</b>					Lease or Unit Name <b>Rosa Unit</b>				
Test Type <b>X Initial      Annual      Special</b>			Test Date <b>10/15/2004</b>		Well Number <b>#26C (API #30-039-27597)</b>				
Completion Date <b>10/8/2004</b>		Total Depth <b>8345'</b>		Plug Back TD <b>8175'</b>		Elevation <b>6571'</b>		Unit    Sec    Twp    Rng <b>I    32    31N    5W</b>	
Casing Size <b>5-1/2"</b>		Weight <b>17#</b>		Set At <b>8190'</b>		Perforations: <b>8040' - 8136'</b>		County <b>Rio Arriba</b>	
Tubing Size <b>2-1/16"</b>		Weight <b>3.25#</b>		Set At <b>8134'</b>		Perforations:		Pool <b>Basin</b>	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation <b>DK</b>		
Producing Thru <b>Tubing</b>		Reservoir Temp. oF		Mean Annual Temp. oF			Barometer Pressure - Pa		Connection
L	H	Gq <b>0.6</b>	%CO2	%N2	%H2S	Prover <b>3/4"</b>		Meter Run	Taps

  

FLOW DATA					TUBING DATA		CASING DATA		
NO	Prover Line Size	X Orifice Size	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Duration of Flow
SI	<b>2" X 3/4"</b>				<b>1110</b>	<b>46</b>	<b>965</b>		<b>0</b>
1					<b>225</b>	<b>90</b>	<b>980</b>		<b>0.5 hr</b>
2					<b>180</b>	<b>85</b>	<b>980</b>		<b>1.0 hr</b>
3					<b>140</b>	<b>81</b>	<b>980</b>		<b>1.5 hrs</b>
4					<b>130</b>	<b>79</b>	<b>975</b>		<b>2.0 hrs</b>
5					<b>110</b>	<b>77</b>	<b>975</b>		<b>3.0 hrs</b>

  

RATE OF FLOW CALCULATION										
NO	Coefficient (24 Hours)				hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	<b>9.604</b>					<b>122</b>	<b>0.984</b>	<b>1.29</b>	<b>1.017</b>	<b>1513</b>
2										
3										
4										

  

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration				Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocarbons _____				Deq.
2					Specific Gravity Separator _____				XXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx				
4					Critical Pressure _____ p.s.i.a.				____ p.s.i.a.
5					Critical Temperature _____ R				____ R

  

NO	Pc	Pt1	Pw	Pw2	Pc2-Pw2	(1) $\frac{Pc2}{Pc2-Pw2} =$		(2) $\frac{Pc2^n}{Pc2-Pw2} =$	
1	<b>977</b>		<b>987</b>	<b>974169</b>	<b>-19640</b>	<b>-48.601273</b>		<b>#NUM!</b>	
2									
3									
4									

  

Absolute Open Flow					Mcf @ 15.025		Angle of Slope		Slope, n	
<b>#NUM!</b>									<b>0.75</b>	

  

Remarks:			
Approved By Commission:	Conducted By: <b>Bill Beevers/Michael Gurule</b>	Calculated By: <b>Tracy Ross</b>	Checked By:

