

**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>Cox Canyon Unit</b>				
Test Type <b>X Initial      Annual      Special</b>			Test Date <b>5/20/2006</b>		Well Number <b>#5B (API #30-045-32142)</b>				
Completion Date <b>5/11/2006</b>		Total Depth <b>8425'</b>		Plug Back TD		Elevation <b>6880'</b>		Unit    Sec    Twp    Rng <b>M      21      32N    11W</b>	
Casing Size <b>5 1/2"</b>		Weight <b>17#</b>		Set At <b>8425'</b>		Perforations: <b>5302' - 6019'</b>		County <b>San Juan</b>	
Tubing Size <b>2-1/16"</b>		Weight <b>3.25#</b>		Set At <b>6370'</b>		Perforations: <b>6038' - 6356'</b>		Pool <b>Blanco MV</b>	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At <b>6420'</b>		Formation <b>MV</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>164</b>		<b>408</b>		<b>0</b>
1					<b>108</b>	<b>65</b>	<b>398</b>		<b>0.5 hr</b>
2					<b>122</b>	<b>62</b>	<b>391</b>		<b>1.0 hr</b>
3					<b>123</b>	<b>66</b>	<b>386</b>		<b>1.5 hrs</b>
4					<b>122</b>	<b>67</b>	<b>383</b>		<b>2.0 hrs</b>
5					<b>120</b>	<b>68</b>	<b>379</b>		<b>3.0 hrs</b>

  

RATE OF FLOW CALCULATION									
NO	Coefficient (24 Hours)		Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd		
1	<b>9.604</b>		<b>132</b>	<b>0.9924</b>	<b>1.29</b>	<b>1.013</b>	<b>1644</b>		
2									
3									
4									

  

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration				Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocabrons _____				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	Pt1	Pw	Pw2	Pc2-Pw2	(1) $Pc2 =$	(2) $Pc2^n =$
					<b>7.5003189</b>	<b>4.5322076</b>
1		<b>391</b>	<b>152881</b>	<b>23519</b>	$Pc2-Pw2$	$Pc2-Pw2$
2						
3						
4						

  

Absolute Open Flow <b>7451</b>		Mcf/d @ 15.025	Angle of Slope _____	Slope, n <b>0.75</b>
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Remarks:			
Approved By Commission:	Conducted By: <b>Cyd Shepard</b>	Calculated By: <b>Tracy Ross</b>	Checked By: