

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

Operator Williams Production Company					Lease or Unit Name Cox Canyon Unit				
Test Type X Initial Annual Special			Test Date 1/23/2002		Well Number #1B				
Completion Date 1/8/2002		Total Depth 6358'		Plug Back TD 6250'		Elevation 6871'		Unit Sec Twp Rng L 16 32N 11W	
Casing Size 4 1/2"		Weight 10.5#		Set At 6358'		Perforations: 5085' - 5809'		County Rio Arriba	
Tubing Size 2 3/8"		Weight 4.7#		Set At 6085'		Perforations: 5828' - 6143'		Pool Blanco MV	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation MV		
Producing Thru Tubing		Reservoir Temp. oF		Mean Annual Temp. oF			Barometer Pressure - Pa		Connection
L	H	Gq 0.6	%CO2	%N2	%H2S	Prover 3/4"	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	2" X 3/4"				545	26	545		0
1					150	57	515		0.5 hr
2					145	58	510		1.0 hr
3					145	60	505		1.5 hrs
4					145	61	500		2.0 hrs
5					155	63	490		3.0 hrs

RATE OF FLOW CALCULATION							
NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcfd
1	9.604		167	0.9971	1.29	1.016	2096
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 _____	XXXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	____ p.s.i.a.
5					Critical Temperature _____ R	____ R

Pc	557	Pc2	310249	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		502	252004	58245
2				
3				
4				

(1) $\frac{Pc2}{Pc2-Pw2} = \underline{\underline{5.3266203}}$ (2) $\frac{Pc2^n}{Pc2-Pw2} = \underline{\underline{3.5062171}}$

AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} = \underline{\underline{7349}}$

Absolute Open Flow	7349	Mcf/d @ 15.025	Angle of Slope _____	Slope, n	0.75
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Remarks:

Approved By Commission:	Conducted By: Larry Higgins	Calculated By: Tracy Ross	Checked By:
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