

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 6/3/2004		Well Number #8B						
Completion Date 5/17/2004		Total Depth 6097		Plug Back TD		Elevation 6648'		Unit P	Sec 8	Twp 32N	Rng 11W
Casing Size 4 1/2"		Weight 10.5#	d	Set At 6095'	Perforations: 4858' - 5542'			County San Juan			
Tubing Size 2 3/8"		Weight 4.7#	d	Set At 5913'	Perforations: 5594' - 5921'			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"				476	91	472		0
1					180	59	467		0.5 hr
2					174	67	454		1.0 hr
3					174	69	452		1.5 hrs
4					173	70	449		2.0 hrs
5					174	72	445		3.0 hrs

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	9.604				186	0.9887	1.29	1.022	2328
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 xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

Pc	484	Pc2	234256
NO	Pt1	Pw	Pw2
1		457	208849
2			25407
3			
4			

(1) Pc2 = 9.2201362		(2) Pc2^n = 5.2911857	
Pc2-Pw2		Pc2-Pw2	
AOF = Q Pc2^n = 12320 Pc2 - Pw2			

Absolute Open Flow	12320	Mcf @ 15.025	Angle of Slope _____	Slope, n	0.75
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Remarks:			
Approved By Commission:	Conducted By: Ron Cornett	Calculated By: Tracy Ross	Checked By: