

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

RECEIVED
 DEC 16 1999
 OIL CON. DIV.
 DIST. 3
 #167A

Operator Williams Production Company					Lease or Unit Name Oil Unit				
Test Type X Initial Annual Special			Test Date 12/10/1999		Well Number #167A				
Completion Date 12/2/1999		Total Depth 5983'		Plug Back TD 5935'		Elevation 6280'		Unit Sec Twp Rng A 08 31N 6W	
Casing Size 4.5"		Weight 10.5#		Set At 5978'		Perforations: From 4340' To 5507'		County San Juan	
Tubing Size 2-3/8"		Weight 4.7#		Set At 5771'		Perforations: From 5562' To 5826'		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"				1071		1072		0
1					391	56	949		0.5 hr
2					373	58	897		1.0 hr
3					365	60	862		1.5 hrs
4					356	64	834		2.0 hrs
5					341	66	797		3.0 hrs

RATE OF FLOW CALCULATION										
NO	Coefficient (24 Hours)				hwPm	Pressure Pm	Flow Temp. Factor FI	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604					353	0.9943	1.29	1.041	4527
2										
3										
4										

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

Pc	1084	Pc2	1175056
NO	Pt1	Pw	Pw2
1		809	654481
2			
3			
4			

Absolute Open Flow 8336		Mcf @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Chic Charley	Calculated By: Tracy Ross	Checked By: David Spitz