

RCVD OCT23'06
OIL CONS. DIV.
DIST. 3

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

Operator Williams Production Company					Lease or Unit Name Rosa Unit				
Test Type X Initial Annual Special			Test Date 10/16/2006		Well Number #129C (API # 30-039-29883)				
Completion Date 9/25/2006		Total Depth 6414'		Plug Back TD 6383'		Elevation 6361'		Unit Sec Twp Rng K 34 32N 6W	
Casing Size 4-1/2"		Weight 10.5#		Set At 6405'		Perforations: 5524' - 6010'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 6314'		Perforations: 6048' - 6330'		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"			968	41	969		0
1					241	51	854		0.5 hr
2					228	52	815		1.0 hr
3					223	59	787		1.5 hrs
4					227	60	762		2.0 hrs
5					223	61	723		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					235	0.999	1.29	1.021	2970
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) $P_{c2} = \frac{Q}{P_{c2}-P_{w2}}$	(2) $P_{c2}^n = \frac{Q}{P_{c2}-P_{w2}}$
1		735	540225	422136	$P_{c2} = \underline{\underline{2.2797416}}$	$P_{c2}^n = \underline{\underline{1.8553003}}$
2						
3						
4						

Absolute Open Flow 5510		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Mike Gurule	Calculated By: Tracy Ross	Checked By:

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