

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

Operator Williams Production Company				Lease or Unit Name Jicarilla 92			
Test Type X Initial Annual Special			Test Date 4/12/2006		Well Number #16A (API # 30-039-29293)		
Completion Date 3/27/2006		Total Depth 6628'		Plug Back TD 6604'		Elevation 7251'	
Casing Size 4 1/2"		Weight 11.6#		Set At 6626'		Perforations: 5752' - 5940'	
Tubing Size 2 3/8"		Weight 4.7#		Set At 6351'		Perforations: 6154' - 6341'	
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	
%		CO2		N2		H2S	
Prover		Meter Run		Taps			
3/4"							

FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow
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	
SI		2" X 3/4"			229	25	1039	0
1					310	70	1004	0.5 hr
2					248	60	937	1.0 hr
3					263	60	895	1.5 hrs
4					262	60	875	2.0 hrs
5					258	60	842	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
1	9.604				270	1.0000	1.29	1.025
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

Pc	1051	Pc2	1104601	
NO	Ptl	Pw	Pw2	Pc2-Pw2
1		854	729316	375285
2				
3				
4				
(1) $\frac{Pc2}{Pc2-Pw2} = \frac{2.9433657}{2.2471557}$ (2) $\frac{Pc2^n}{Pc2-Pw2} = \frac{7705}{7705}$ AOF = Q				
Absolute Open Flow		7705		Mcf/d @ 15.025
Angle of Slope				Slope, n
				0.75

Remarks:			
Approved By Commission:	Conducted By: Tommy Clements	Calculated By: Tracy Ross	Checked By:

