

30-039-21838

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 6/21/2005		Well Number #15A				
Completion Date 6/7/2005		Total Depth 6574'		Plug Back TD		Elevation 7207'		Unit Sec Twp Rng O 30 27N 03W	
Casing Size 4 1/2"		Weight 10.5#		Set At 6574'		Perforations: 5713' - 6074'		County Rio Arriba	
Tubing Size 2 3/8"		Weight 4.7#		Set At 6457'		Perforations: 6155' - 6430'		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"				0	89	1158		0
1					641	69	1057		0.5 hr
2					602	68	1030		1.0 hr
3					568	68	995		1.5 hrs
4					563	68	988		2.0 hrs
5					556	70	972		3.0 hrs

RATE OF FLOW CALCULATION								
NO	Coefficient (24 Hours)		hwPm	Pressure Pm	Flow Temp. Factor Ff	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604			568	0.9905	1.29	1.075	7493
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 _____	XXXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	____ p.s.i.a.
5					Critical Temperature _____ R	____ R

Pc	1170	Pc2	1368900	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		984	968256	400644
2				
3				
4				

(1) $\frac{Pc2}{Pc2 - Pw2} = \underline{3.416749}$		(2) $\frac{Pc2^n}{Pc2 - Pw2} = \underline{2.5131002}$	
AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} = \underline{18831}$			

Absolute Open Flow 18831		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Tommy Clements	Calculated By: Tracy Ross	Checked By:

