

30-045-32804

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

Operator Williams Production Company					Lease or Unit Name New Mexico 32-11				
Test Type X Initial Annual Special			Test Date 8/1/2005		Well Number #1C				
Completion Date 7/23/2005		Total Depth 8069'		Plug Back TD 8040'		Elevation 6639'		Unit Sec Twp Rng L 20 32N 11W	
Casing Size 5-1/2"		Weight 17#		Set At 7767'		Perforations: 4821' - 5534'		County San Juan	
Tubing Size 2-1/16"		Weight 3.25#		Set At 5889'		Perforations: 5587' - 5902'		Pool Basin	
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At 6000'		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"				509	69	511		0
1					182	62	489		0.5 hr
2					180	66	481		1.0 hr
3					179	68	478		1.5 hrs
4					179	70	471		2.0 hrs
5					178	71	464		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					190	0.9896	1.29	1.022	2381
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	523	Pc2	273529	
NO	Ptl	Pw	Pw2	Pc2-Pw2
1		476	226576	46953
2				
3				
4				

(1) $P_{c2} =$ 5.8255915		(2) $P_{c2}^n =$ 3.7497734	
$P_{c2} - P_{w2}$		$P_{c2} - P_{w2}$	
AOF = Q $P_{c2}^n =$ 8927			
$P_{c2} - P_{w2}$			

Absolute Open Flow 8927		Mcf/d @ 15.025		Angle of Slope _____		Slope, n 0.75	
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Remarks:			
Approved By Commission:		Conducted By: Walt Snyder	
		Calculated By: Tracy Ross	
		Checked By:	