

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

Operator Williams Production Company					Lease or Unit Name Indian I				
Test Type X Initial Annual Special			Test Date 4/25/2006		Well Number #1A (API #30-039-29242)				
Completion Date 4/8/2006		Total Depth 6409'		Plug Back TD		Elevation 7046'		Unit Sec Twp Rng L 27 28N 03W	
Casing Size 4 1/2"		Weight 10.5#		Set At 6385'		Perforations: 5506' - 5858'		County Rio Arriba	
Tubing Size 2 3/8"		Weight 4.7#		Set At 6196'		Perforations: 5944' - 6164'		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"			477	30	1440		0
1					335	52	1108		0.5 hr
2					315	53	1033		1.0 hr
3					243	53	839		1.5 hrs
4					203	53	455		2.0 hrs
5					165	53	665		3.0 hrs

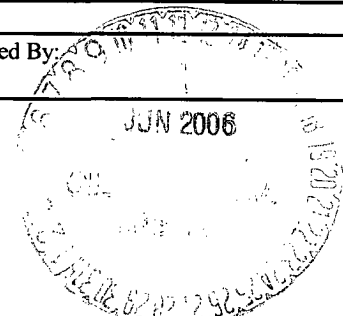
RATE OF FLOW CALCULATION									
NO	Coefficient (24 Hours)			hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604				177	1.0068	1.29	1.013	2236
2									
3									
4									

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration	Mcf/bbl. Deq.
1					A.P.I Gravity of Liquid Hydrocabrons _____	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

NO	Pt1	Pw	Pw2	Pc2-Pw2	(1) $Pc2 = \frac{Pc2 - Pw2}{Pc2 - Pw2}$	(2) $Pc2^n = \frac{Pc2^n - Pw2^n}{Pc2^n - Pw2^n}$
1		677	458329	1649975		
2						
3						
4						

Absolute Open Flow 2688		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:



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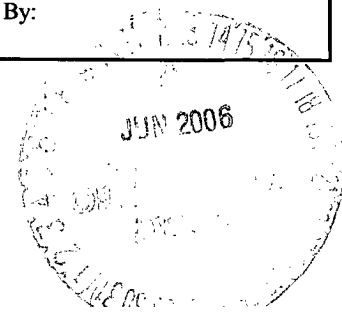
NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration	Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocabrons _____	Deq.
2					Specific Gravity Separator _____	XXXXXX
3					Specific Gravity Flowing Fluid <u>xxxxxxxxxx</u>	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____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

Pc	1452	Pc2	2108304
NO	Pt1	Pw	Pw2
1		677	458329
2			
3			
4			

(1) $\frac{Pc2}{Pc2 - Pw2} = \frac{1.2777794}{1.2777794 - 0.677} = 1.2777794$		(2) $\frac{Pc2^n}{Pc2 - Pw2} = \frac{1.2018268}{1.2777794 - 0.677} = 1.2018268$	
$AOF = Q \frac{Pc2^n}{Pc2 - Pw2} = 2688$			

Absolute Open Flow	2688	Mcf/d @ 15.025	Angle of Slope _____	Slope, n	0.75
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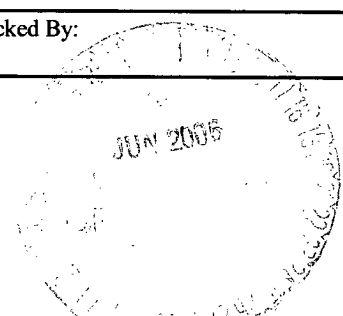
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