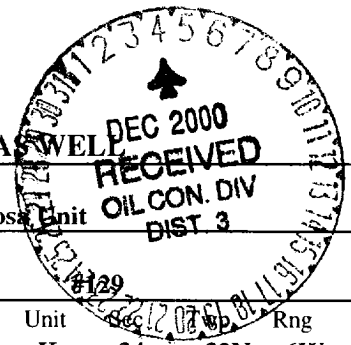


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS**



Operator Williams Production Company					Lease or Unit Name Ross Unit				
Test Type X Initial Annual Special			Test Date 11/5/2000		Well Number				
Completion Date 11/3/2000		Total Depth 6791'		Plug Back TD 6595'		Elevation 6357'		Unit K 34 32N 6W	
Casing Size 4 1/2"		Weight 10.5#		Set At 6791'		Perforations: 5231' - 6436'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 6626'		Perforations: 6464' - 6691'		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"			1015	42	1010		0
1					317	59	920		0.5 hr
2					324	63	888		1.0 hr
3					320	65	867		1.5 hrs
4					313	66	846		2.0 hrs
5					305	66	820		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				317	0.9943	1.29	1.036	4046
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	1022	Pc2	1044484	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		832	692224	352260
2				
3				
4				

(1) $\frac{Pc2}{Pc2-Pw2} = \underline{\underline{2.965094}}$		(2) $\frac{Pc2^n}{Pc2-Pw2} = \underline{\underline{2.2595858}}$	
AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} = \underline{\underline{9141}}$			

Absolute Open Flow	9141	Mcf/d @ 15.025	Angle of Slope _____	Slope, n	0.75
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Remarks:			
Approved By Commission:	Conducted By: Matt Crane	Calculated By: Tracy Ross	Checked By: David Spitz