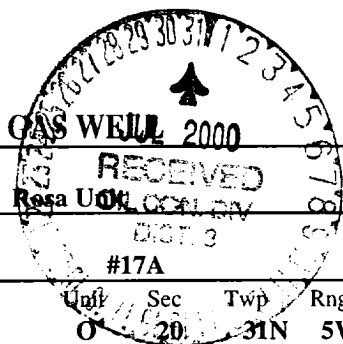


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL 2000



Operator Williams Production Company				Lease or Unit Name			
Test Type X Initial Annual Special		Test Date 7/15/2000		Well Number			
Completion Date 7/10/2000		Total Depth 6199'		Plug Back TD 6050'		Elevation 6412'	
Casing Size 4-1/2"		Weight 10.5#		Set At 6199'		Perforations: 4700' - 5746'	
Tubing Size 2-3/8"		Weight 4.7#		Set At 5919'		Perforations: 5760' - 5981'	
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"				900		900		0
1					245	74	855		0.5 hr
2					250	77	815		1.0 hr
3					245	75	775		1.5 hrs
4					235	72	735		2.0 hrs
5					230	73	695		3.0 hrs

RATE OF FLOW CALCULATION							
NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcf/d
1	9.604		242	0.9877	1.29	1.026	3038
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	912	Pc2	831744	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		707	499849	331895
2				
3				
4				

(1) $\frac{Pc2}{Pc2 - Pw2} = \underline{2.5060456}$

AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} = \underline{6052}$

(2) $\frac{Pc2^n}{Pc2 - Pw2} = \underline{1.9917816}$

Absolute Open Flow	6052	Mcf @ 15.025	Angle of Slope _____	Slope, n	0.75
Remarks:					
Approved By Commission:		Conducted By: Mark Lepich		Calculated By: Tracy Ross	
				Checked By: David Spitz	