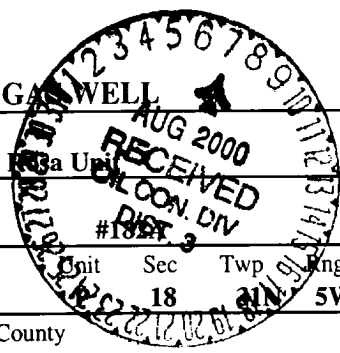


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Operator Williams Production Company				Lease or Unit Name			
Test Type X Initial Annual Special			Test Date 7/19/2000		Well Number		
Completion Date 7/14/2000		Total Depth 6205'		Plug Back TD 6150'		Elevation 6429'	
Casing Size 4-1/2"		Weight 10.5#		Set At 6205'		Perforations: 4721' - 5723'	
Tubing Size 2-3/8"		Weight 4.7#		Set At 6065'		Perforations: 5760' - 6070'	
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	
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
S1		2" X 3/4"			390		1100	
1					305	65	1030	
2					300	66	995	
3					290	67	960	
4					285	69	945	
5					275	69	905	

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		287	0.9915	1.29	1.029	3628
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

Pc	1112	Pc2	1236544	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		917	840889	395655
2				
3				
4				

(1) $\frac{Pc2}{Pc2 - Pw2} = 3.1253087$ (2) $\frac{Pc2^n}{Pc2 - Pw2} = 2.350551$

AOF = Q $\frac{Pc2^n}{Pc2 - Pw2} = 8527$

Absolute Open Flow	8527	Mcf @ 15.025	Angle of Slope	Slope, n	0.75
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Remarks:	
Approved By Commission:	Conducted By: Mark Lepich
Calculated By: Tracy Ross	Checked By: David Spitz