30-045-32024

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

Operator				Lease or Unit Name			
Williams Production Company				**New Mexico 32-11**			
Test Type	Test Date		Well Number				
X Initial **Annual** **Special**	**5/18/2004**		**#1B**				
Completion Date	Total Depth	Plug Back TD	Elevation	Unit	Sec	Twp	Rng
4/30/2004	**8062'**		**6628'**	**J**	**20**	**32N**	**11W**

Casing Size	Weight	d	Set At	Perforations:	County
5-1/2"	**17#**		**7723'**		**San Juan**
Tubing Size	**Weight**	**d**	**Set At**	**Perforations:**	**Pool**
2-1/16"	**3.25#**		**7652'**		**Basin**

Type Well - Single-Bradenhead-GG or GO Multiple	Packer Set At	Formation
		DK

Producing Thru	Reservoir Temp. oF	Mean Annual Temp. oF	Barometer Pressure - Pa	Connection
Tubing				

L	H	Gq	%CO2	%N2	%H2S	Prover	Meter Run	Taps
		0.6				**3/4"**		

	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"**				**2530**	**90**	**2530**		**0**
1					**820**	**41.3**	**1940**		**0.5 hr**
2					**140**	**61**	**445**		**1.0 hr**
3					**130**	**65.7**	**365**		**1.5 hrs**
4					**120**	**69**	**330**		**2.0 hrs**
5					**110**	**71.4**	**300**		**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,Mcfd
1	**9.604**		**122**	**0.9896**	**1.29**	**1.016**	**1520**
2							
3							
4							

NO	Pr	Temp. oR	Tr	Z
1				
2				
3				
4				
5				
Pc	**2542**	Pc2	**6461764**	

Gas Liquid Hydrocarbon Ration ____ Mcf/bbl.
A.P.I Gravity of Liquid Hydrocabrons ____. Deq.
Specific Gravity Separator ____. XXXXXX
Specific Gravity Flowing Fluid xxxxxxxxxx
Critical Pressure ____ p.s.i.a. ____ p.s.i.a.
Critical Temperature ____ R ____ R

NO	Pt1	Pw	Pw2	Pc2-Pw2
1		**312**	**97344**	**6364420**
2				
3				
4				

(1) Pc2 / Pc2-Pw2 = **1.015295** (2) Pc2^n / Pc2-Pw2 = **1.0114495**

AOF = Q Pc2^n / Pc2 - Pw2 = **1537**

Absolute Open Flow	**1537**	Mcfd @ 15.025	Angle of Slope ____.	Slope, n	**0.75**

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Ron Cornett	Tracy Ross	