

**RECEIVED**  
DEC 20 1999

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

Operator <b>Williams Production Company</b>					Lease or Unit Name <b>Rosa Unit</b>				
Test Type <b>X Initial      Annual      Special</b>			Test Date <b>12/16/1999</b>		Well Number <b>#20B</b>				
Completion Date <b>12/4/1999</b>		Total Depth <b>6185'</b>		Plug Back TD <b>6133'</b>		Elevation <b>6408'</b>		Unit    Sec    Twp    Rng <b>A    14    31N    6W</b>	
Casing Size <b>4 1/2"</b>		Weight <b>10.5#</b>		Set At <b>6184'</b>		Perforations: <b>From 4526' To 5669'</b>		County <b>Rio Arriba</b>	
Tubing Size <b>2 3/8"</b>		Weight <b>4.7#</b>		Set At <b>5947'</b>		Perforations: <b>From 5721' To 6034'</b>		Pool <b>Blanco MV</b>	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation <b>MV</b>		
Producing Thru <b>Tubing</b>		Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa		Connection	
L	H	Gq <b>0.6</b>	%CO2	%N2	%H2S	Prover <b>3/4"</b>	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	<b>2" X 3/4"</b>				<b>718</b>		<b>724</b>		<b>0</b>
1					<b>528</b>	<b>50</b>	<b>692</b>		<b>0.5 hr</b>
2					<b>357</b>	<b>52</b>	<b>644</b>		<b>1.0 hr</b>
3					<b>221</b>	<b>56</b>	<b>592</b>		<b>1.5 hrs</b>
4					<b>217</b>	<b>60</b>	<b>552</b>		<b>2.0 hrs</b>
5					<b>208</b>	<b>60</b>	<b>501</b>		<b>3.0 hrs</b>

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	<b>9.604</b>					<b>220</b>	<b>1</b>	<b>1.29</b>	<b>1.021</b>	<b>2783</b>
2										
3										
4										

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocarbons _____	Deq.
2					Specific Gravity Separator _____	XXXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

Pc	<b>736</b>	Pc2	<b>541696</b>	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		<b>513</b>	<b>263169</b>	<b>278527</b>
2				
3				
4				

(1) Pc2 = <b>1.9448599</b>		(2) Pc2^n = <b>1.6468963</b>	
Pc2-Pw2		Pc2-Pw2	
AOF = Q Pc2^n = <b>4583</b>		Pc2 - Pw2	

Absolute Open Flow	<b>4583</b>	Mcf/d @ 15.025	Angle of Slope _____	Slope, n	<b>0.75</b>
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Remarks:			
Approved By Commission:	Conducted By: <b>Chic Charley</b>	Calculated By: <b>Tracy Ross</b>	Checked By: <b>David Spitz</b>

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-104B  
March 19, 2001

Submit 1 copy of the final affected wells  
list along with 1 copy of this form per  
number of wells on that list to  
appropriate District Office

### Change of Operator Name

OGRID: 120782  
Effective Date: \_\_\_\_\_

#### Previous Operator Name and Information:

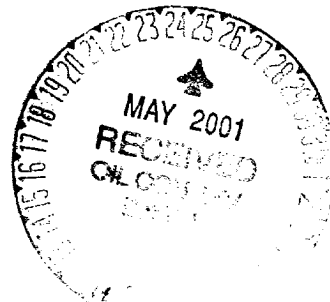
Name: Williams Production Company  
Address: One Williams Center  
Address: P.O. Box 3102  
City, State, Zip: Tulsa, OK 74101

#### New Operator Name and Information:

New Name: Williams Production Company LLC  
Address: One Williams Center  
Address: P.O. Box 3102  
City, State, Zip: Tulsa, OK 74101

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: Tracy Ross  
Printed name: Tracy Ross  
Title: Production Analyst  
Date: 4/30/01 Phone: 918/573-6881



#### NMOCD Approval

Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
District: \_\_\_\_\_  
Date: \_\_\_\_\_