Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Mineral and Natural Resources

Form C-122
Revised October, 1999

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

30-025-37231

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: SAMSON RESOURCES COMPANY					Lease or Unit Name: BANDIT 15 FEDERAL COM				
Type Test: [X] Initial [ ] Annual [ ] Special					Test date: 3/26/2006		Well No.: 2		
Completion Date: 2/25/2006	Total Depth: 14000			Plug Back TD: 13936	Elevation: 3580 GL		Unit Ltr.-Sec.-TWP-Rge.: J 15 20S 33E		
Csg. Size: 5.500	Wt.: 20	d: 4.778	Set At: 13998	Perforations: From 13380 To 13724			County: LEA		
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 13298	Perforations: From To			Pool:		
Type Well - Single - Bradenhead - G.G or G.O Multiple: SINGLE				Packer Set At: 13298			Formation: MORROW		
Prod. Thru: TUBING	Reservoir Temp.F: 240	@ 13,552	Mean Annual Temp. F: 60	Baro, Press - Pa: 13.20			Connection: DOWNSTREAM		
L: 13552	H: 13552	Gg: 0.686	%Co2: 0	%N2: 0	%H2s ppm: 0	Prover:	Meter run: X	Taps: F	

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. F.	Press. p.s.i.g.	Temp. F.	Press. p.s.i.g.	Temp. F.	Duration Of Flow
Shut-in Pressure						2300	60			24
1	3.068	1.500	732	3.3	63	750	84			24
2										
3										
4										
5										

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	hwPm	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg.	Super Compress Factor, Fpv.	Rate of Flow (Q) Mcfd
1	11.13	49.59	745.20	0.9971	1.20736	1.092674	726
2							
3							
4							
5							

NO.	Pr	Temp R	Tr	Z
1	1.114	523	1.358	.8349
2				
3				
4				
5				

Pc 2313.2 Pc2 5350.9

NO.	Pw	Pw2	Pc2-Pw2
1	778.7	606.4	4744.5
2			
3			
4			
5			

GAS LIQUID HYDROCARBON RATIO	22	Mcf/bbl.
API GRAVITY OF LIQUID HYDROCARBONS	55.5	Deg.
S. G. SEPARATOR GAS	0.686	XXXXXXXXXXX
S.G. FLOWING FLUID	XXXXXXXXXXX	0.803
CRITICAL PRESSURE	668.99	664.90 P.S.I.A.
CRITICAL TEMPERATURE	385.07	423.77 R

[1] $\frac{Pc2}{Pc2-Pw2}$ 1.127822

[2] $\left(\frac{Pc2}{Pc2-Pw2}\right)^{n}$ n 1.127822

AOF = Q * $\left(\frac{Pc2}{Pc2-Pw2}\right)^{n}$ n 819

Absolute Open Flow 819 Mcfd@ 15.025 | Angle of Slope 45.00 | Slope n 1.00

Remarks: WELL MADE 33 BBLS OIL AND 76 WATER.

Approved by Division:	Conducted by:	Calculated by:	Checked by:
	SAMSON RESOURCES COMPANY	COMPUTER	

7160-3901-9842-0439-6163