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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator				Lease or Unit Name									
DEVON SFS OPERATING INC.				O .W. STATE									
Type Test: ☑ Initial ☐ Annual ☐ Special								Test Date: 10/18/01				Well No.: 1	
Completion Date		Total Depth: 13300		Plug Back TD: 12208				Elevation: 3716 KB				Unit Ltr - Sec - TWP - Rge: 22 21S 34E	
Csg. Size: 5 1/2	Wt.: 17	d: 4.892	Set At: 13300	Perforations: From: 12824		To: 13020						County: LEA	
Tbg. Size: 2 3/8	Wt.: 4.7	d: 1.995	Set At: 12710	Perforations: From:		To:						Pool: 5 Wilson Penn	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE				Packer Set At: 12710								Formation: Morrow	
Producing Thru: Tubing	Reservoir Temp. °F: 201.6		Mean Annual Temp. °F: 60	Baro. Press - P_a: 13.2								Connection: SALES	
L: 12761	H: 12761	Gg: 0.648	%CO_2: 0.521	%N_2: 0.423	%H_2S: N/A	Prover: N/A	Meter Run: 3.068					Taps: FLG	

	FLOW DATA				TUBING DATA		CASING DATA		
No.	Prover Line Size x Orifice Size	Press p.s.i.g.	Diff. h_w	Temp °F	Press p.s.i.g.	Temp °F	Press p.s.i.g.	Temp. °F	Duration of Flow
SI					4660	N/A	PKR	N/A	
1	3.068 X 1.500	667	10.5	74	4542				1 HR
2	3.068 X 1.500	680	59.2	66	4217				1 HR
3	3.068 X 1.500	396	85.3	67	4116				1 HR
4	3.068 X 1.500	725	133.7	61	3894				1 HR
5									

RATE OF FLOW CALCULATIONS

No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor F_g	Super Compress Factor F pv	Rate of Flow Q. Mcfd
1							1275
2							3064
3	TOTAL	FLOW	METER				3761
4							4786
5							

No.	P_r	Temp. °R	T_r	Z
1				
2				
3	TOTAL	FLOW	METER	
4				
5				

Gas Liquid Hydrocarbon Ratio	29.829		Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons	51.1		Deg.
Specific Gravity Separator Gas	0.648		XXXXXXX
Specific Gravity Flowing Fluid	XXXXX		G.MIX = .749
Critical Pressure	673 P.S.I.A.	670	P.S.I.A.
Critical Temperature	370 R.	405	R

P_c 4673.2 P_c^2 21838.8

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4563.3	20824.1	1014.7
2		4278.5	18305.2	3533.6
3		4202.5	17661.1	4177.7
4		4028.3	16227.1	5611.7
5				

(1) $\dfrac{P_c^2}{P_c^2 - P_w^2} =$ 3.892 (2) $\left(\dfrac{P_c^2}{P_c^2 - P_w^2}\right)^n =$ 2.865

$AOF = Q \left(\dfrac{P_c^2}{P_c^2 - P_w^2}\right)^n =$ 13.712

Absolute Open Flow	13.712	Mcfd @ 15.025	Angle of Slope θ	52.23	Slope n: 0.7746

Remarks: * WELL MADE 18 BBLS OF 51.1 API GRAVITY CONDENSATE DURRING TEST.

Approved By Division:	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	MERV BUECKER	BM