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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Santa Fe Energy Resources, Inc.						Lease or Unit Name: Maxwell Trust "26"					
Type Test: [X] Initial [ ] Annual [ ] Special						Test Date: 6 / 7 / 95				Well No.: 1	
Completion Data: 6 / 5 / 95		Total Depth: 13,350'		Plug Back TD: 13,259'		Elevation: 4,083' KB				Unit Ltr. - Sec. - TWP - Rge.: E 26, 15S, 34E	
Csg. Size: 5-1/2"	Wt.: 17#	d: 4.892"	Set At: 13,350'	Perforations: From: 13,196'	To: 13,216'					County: Lea	
Tbg. Size: 2-3/8"	Wt.: 4.6#	d: 1.995"	Set At: 12,915'	Perforations: From:	To:					Pool: Wildcat	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 12,905'						Formation: Morrow	
Producing Thru: Tubing	Reservoir Temp. F: 184 @ 12,206'		Mean Annual Temp. F: 60	Baro. Press - Pa: 13.2						Connection: Vented	
L: 12,915'	H: 12,915'	Cg: 0.67	%CO2: 1.76	%N2: 0.68	%H2S: -	Prover:				Meter Run: 3.068"	Taps: Flanged

	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
SI					65	2825		0		20 hrs
1.	3	1.5	3.9	2.6	60	2585		0		1 hr
2.	3	1.5	4.1	3.9	55	2446		0		1 hr
3.	3	1.5	3.8	5.2	54	2125		0		1 hr
4.	3	1.5	3.8	7.9	50	1800		0		1 hr
5.										

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOURS)	$\sqrt{hwPm}$	Pressure Pm	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F pv	Rate of Flow Q, Mcfd
1.	45.406	10.14	3.9	1.000	1.222	1.0000	563
2.	45.406	15.99	4.1	1.005	1.222	1.0000	892
3.	45.406	19.76	3.8	1.006	1.222	1.0000	1103
4.	45.406	30.02	3.8	1.010	1.222	1.0000	1682
5.							

NO.	Pr	Temp. R	Tr	Z
1.	3.88	520	1.38	0.700
2.	3.67	515	1.37	0.690
3.	3.19	514	1.36	0.680
4.	2.71	510	1.35	0.680
5.				

Gas Liquid Hydrocarbon Ratio	210	Mcf/bbl.	
A.P.I. Gravity of Liquid Hydrocarbons	60	Deg.	
Specific Gravity Separator Gas	0.67	XXXXXXXXXXXXXXX	
Specific Gravity Flowing Fluid	N/A	G. Mix =	
Critical Pressure	670 P.S.I.A.	P.S.I.A.	
Critical Temperature	377 R	R	

Pc ^{2} = 4069 Pc ^{2} = 16557

NO.	Pt^2	Pw	Pw^2	$Pc^2 - Pw^2$
1.	14677	3208	10291	6266
2.	12974	3024	9145	7412
3.	10163	2656	7057	9500
4.	7690	2287	5228	11329
5.				

1) $\frac{Pc^2}{Pc^2 - Pw^2}$ = 2.23 (2) $\left(\frac{Pc^2}{Pc^2 - Pw^2}\right)^n$ = 2.23

AOF = Q $\left(\frac{Pc}{Pc^2 - Pw^2}\right)^n$ = 1993

Absolute Open Flow: 2000 Mcfd @ 15.025 | Angle of Slope O: 45 | Slope, n: 1.00

Remarks: Bombs were run in hole prior to 4 pt test. Have flowing bottom hole pressure (Pt) and shut in pressure (Pc).

Approved By Division	Conducted By: Omega Engineering and Production Services	Calculated By: M. J. DeMarco	Checked By: