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					
TMBR/SHARP				BLUE FIN 24					
Type Test: ☑ Initial ☐ Annual ☐ Special						Test Date: 1/30/02		Well No.: 1	
Completion Date: 1/25/02		Total Depth: 12435		Plug Back TD: 12414		Elevation: 3964		Unit Ltr - Sec - TWP - Rge: 24 16 35	
Csg. Size: 5 1/2	Wt.: 17	d: 4.276	Set At: 12435	Perforations: From: 12396	To: 12410			County: LEA	
Tbg. Size: 2 7/8	Wt.: 7.9	d: 2.323	Set At: 12317	Perforations: From:	To:			Pool:	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE				Packer Set At: 12317				Formation: MORROW DETRITAL	
Producing Thru: Tbg. Size		Reservoir Temp.-°F: 197 @ 12315		Mean Annual Temp. °F: 60		Baro. Press.-P_a: 13.2		Connection: VENTED	

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
* 12315	12315	0.707	0.462	0.88	N/A	N/A	4.026	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					4060		PKR		72 HRS
1	4 X 1.500	510	9	97	3150		"		1 HR
2	4 X 1.500	510	14	75	2600		"		1 HR
3	4 X 1.500	530	33	90	1860		"		1 HR
4	4 X 1.500	550	43	70	1160		"		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	10.84	68.62	523.2	0.9662	1.189	1.051	898
2	10.84	85.59	523.2	0.9859	1.189	1.061	1154
3	10.84	133.89	543.2	0.9723	1.189	1.055	1770
4	10.84	155.62	563.2	0.9905	1.189	1.068	2122
5							

No.	P_r	Temp. °R	T_r	Z
1	0.78	557	1.42	0.906
2	0.78	535	1.36	0.888
3	0.81	550	1.4	0.898
4	0.84	530	1.35	0.877
5				

Gas Liquid Hydrocarbon Ratio	17.08		Mcf bbl.
A.P. I. Gravity of Liquid Hydrocarbons	59 @ 60		Deg.
Specific Gravity Separator Gas	0.707		XXXXXXX
Specific Gravity Flowing Fluid	XXXXX		GMIX .866
Critical Pressure	668 P.S.I.A.	664	P.S.I.A.
Critical Temperature	392 R.	444	R

P_c **4465.5 P_c^2 19940.7

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		**3544.2	12561.4	7379.3
2		**2044.9	4181.6	15759.1
3		**1322	1746.7	18194
4		**911.1	830.1	19110.6
5				

(1) $\dfrac{P_c^2}{P_c^2 - P_w^2} =$ 1.043 (2) $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 1.043

AOF = Q $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 2.213

79825

Absolute Open Flow: 2.213	Mcfd @ 15.025	Angle of Slope θ: 45	Slope n: 1

Remarks: well produced 14.5 bbls condensate--* BHP INSTR. @ 12315 **= BHPS converted back to surface

Approved By Division: ORIGINAL SIGNED BY PAUL F. KAUTZ PETROLEUM ENGINEER	Conducted By: SIGNAL WIRE LINE	Calculated By: BM	Checked By: BM

MAR 26 2002