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

State of New Mexico
Energy, Minerals and Natural Resources Departm

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

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

30-025-34505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Timber Sharp				Lease or Unit Name: State 32-1	
Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1-20-99	Well No.: 1
Completion Date: 1-13-99	Total Depth		Plug Back TD: 12864	Elevation	Unit Ltr. - Sec. - TWP. - Rge.: L - 32 - 16S - 35E
Csg. Size: 5 1/2	Wt.: 17#	d: 4.892	Set At: 12908	Perforations: From: 12331 To: 12380	County: Lea
Tbg. Size	Wt.	d	Set At	Perforations: NO TUBBING IN HOLE From: To:	Pool

Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single	Packer Set At: None		Formation: Atoka
Producing Thru: CSG	Reservoir Temp. °F: 180.7	Mean Annual Temp. °F: 60°	Baro. Press - P_a: 13.2	Connection: Air

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
12355	12355	.715	7.760	1.665	0	0	4.026	F/G

	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							622		
1.	4.026 X 2.000	200	2"	66°			446		60 min
2.	4.026 X 2.000	220	7"	78°			450		60 min
3.	4.026 X 2.000	220	16"	86°			365		60 min
4.	4.026 X 2.000	200	20"	82°			305		60 min
5.									

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1.	19.81	20.6	213.2	.9943	1.183	1.059	508
2.	19.81	40.4	233.2	.9831	1.183	1.061	987
3.	19.81	61.0	233.2	.9759	1.183	1.058	1476
4.	19.81	65.2	213.2	.9795	1.183	1.059	1584
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.78	526	1.34	.883
2.	.80	538	1.37	.889
3.	.81	546	1.39	.894
4.	.80	542	1.38	.891
5.				

Gas Liquid Hydrocarbon Ratio 189.792 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 58.0 Deg.
Specific Gravity Separator Gas .715 XXXXXXXXX
Specific Gravity Flowing Fluid N/A XXXXX
Critical Pressure 671 P.S.I.A. P.S.I.A.
Critical Temperature 391 R R

P_c 651.9 P_c^2 424.9

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		465.4	216.6	208.3
2.		536.4	287.7	137.2
3.		484.7	234.9	190
4.		482.3	232.6	192.3
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.209$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.209$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3486.2$

Absolute Open Flow 3486.2 Mcfd @ 15.025 | Angle of Slope θ 45° | Slope, n 1.000

Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES
* WELL MADE 1 BBL OF 58° API GRAVITY CONDENSATE

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	M.B.	B.M.