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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

c|s F

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: BURLINGTON RESOURCES OIL & GAS COMPANY					Lease or Unit Name: STATE 32 COM.			
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 8-27-97		Well No.: 1	
Completion Date: 8/26/97		Total Depth: 11,029'		Plug Back TD: 10,520' CIBP	Elevation: 3367 GL		Unit Ltr. - Sec. - TWP - Rge.: 32 19-S 28-E	
Csg. Size: 4½	Wt.: 11.6	d: 4.000	Set At: 11.135	Perforations: From: 9516	To: 9553		County: Eddy	
Tbg. Size: 2 3/8	Wt.: 4.7	d: 1.995	Set At: 9414,98'	Perforations: From:	To:	RECEIVED	Pool: N Burton Flat Strawn ~~WINCHESTER (CISCO) GAS~~	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 9400		SEP - 3 1997	Formation: Strawn	
Producing Thru: Tbg	Reservoir Temp. °F: 154.7	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2		OIL CON. DIV.	Connection: Air	
L: 9400	H: 9400	Gg: .740	% CO_2: .13	% N_2: 1.05	% H_2S:	Prover:	Meter Run: 4.026	Taps: 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI					2340		PKR		72 hrs
1.	4.026 X .750	90	26"	74°	1890				60 min
2.	4.026 X .750	90	18"	74°	1760				60 min
3.	4.026 X 1.000	90	22"	74°	1740				60 min
4.	4.026 X 1.000	90	52"	74°	1430				60 min
5.									

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F pv.	Rate of Flow Q, Mcfd
1.	2.661	51.79	103.2	.9868	1.162	1.067	168
2.	2.661	43.09	103.2	.9868	1.162	1.067	140
3.	4.753	47.64	103.2	.9868	1.162	1.067	277
4.	4.753	73.25	103.2	.9868	1.162	1.067	425
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.79	534	1.33	.879
2.	.79	534	1.33	.879
3.	.79	534	1.33	.879
4.	.79	534	1.33	.879
5.				

Gas Liquid Hydrocarbon Ratio 14.028 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 55 Deg.
Specific Gravity Separator Gas .740 XXXXXXXXX
Specific Gravity Flowing Fluid N/A XXXXX
Critical Pressure 670 P.S.I.A. P.S.I.A.
Critical Temperature 401 R R

P_c 4441.3 P_c^2 19725.1

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		3925.2	15407.2	4317.9
2.		3793.6	14391.4	5333.7
3.		3574.6	12777.8	6947.3
4.		3091.2	9555.5	10169.6
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.93$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.93$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 820.253$

Absolute Open Flow 820.253 Mcfd @ 15.025 Angle of Slope θ 45.0 Slope, n 1.000

Remarks: *Well made 3 BBLS of 55° API Gravity Condensate
*Calculated from known bottom hole Pressure

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Pro Well Testing	M.B.	B.M.