

Gas Analysis for Red Tail AWR State Com #1

Well Name:	Red Tail AWR State Com #1						
Formation:	Morrow						
Report Date:	01/22/01						
Sample Date:	01/19/01						
Component	Mole Fraction	Molecular Wt	Pc	Tc	Average Mol Wt	Critical Pressure	Critical Temperature
Carbon Dioxide	0.004737	44.01	1070.2	547.5	0.20848	5.06954	2.59351
Nitrogen	0.015124	28.02	492.2	227.0	0.42377	7.44403	3.43315
Hydrogen Sulfide	0.000000	34.08	1306.5	672.4	0.00000	0.00000	0.00000
Methane	0.812621	16.04	673.1	343.2	13.03444	546.97520	278.89153
Ethane	0.099960	30.07	708.3	549.9	3.00580	70.80167	54.96800
Propane	0.046762	44.09	617.4	666.0	2.06174	28.87086	31.14349
i-Butane	0.005048	58.12	529.1	734.6	0.29339	2.67090	3.70826
n-Butane	0.010407	58.12	550.1	765.7	0.60485	5.72489	7.96864
i-Pentane	0.001809	72.15	483.5	829.6	0.13052	0.87465	1.50075
n-Pentane	0.001764	72.15	489.8	846.2	0.12727	0.86401	1.49270
Hexane plus	0.001768	86.17	440.1	914.2	0.15235	0.77810	1.61631
Heptane	0.000000	100.20	395.9	972.4	0.00000	0.00000	0.00000
Octane plus	0.000000	114.20	362.2	1024.9	0.00000	0.00000	0.00000
	1.000000				20.04261	670.07384	387.31633
Specific Gravity =	0.692						
Pc for gas =	670.1	psia					
Tc for gas =	387.3	degrees R					

Yates Petroleum Corporation

Case 12596

Exhibit 13