

**Laboratory Services, Inc.**4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

ATOKA

Water Analysis

COMPANY	Devon Energy		
SAMPLE	Outland #4		
SAMPLED BY	B.P.-Pro Well		
DATE TAKEN	4/25/03		
REMARKS			
Barium as Ba	0		
Carbonate alkalinity PPM	0		
Bicarbonate alkalinity PPM	452		
pH at Lab	6.47		
Specific Gravity @ 60°F	1.05		
Magnesium as Mg	4,524		
Total Hardness as CaCO3	7,800		
Chlorides as Cl	40,948		
Sulfate as SO4	425		
Iron as Fe	139		
Potassium	32		
Hydrogen Sulfide	0		
Rw	0.17	@ 22° C	
Total Dissolved Solids	50,000		
Calcium as Ca	3,276		
Nitrate	0		

Results reported as Parts per Million unless stated

Langelier Saturation Index 0.52

Analysis by: Vickie Biggs
Date: 4/25/03

APR-25-03 FRI 15:35 Laboratory Services
Run File C:\STAR\DATA\05_21_2002\OUTLAND 4 4.25.03-3.RUN

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Method C:\star\method_extended_gas_scott.mth

Operator Vickie Biggs

Analysis Date 4/25/2003

Station Outland St. Unit #4

Company Devon Energy

Effective Date

Pulled Data 4/25/03

Received Date 4/25/03

Composite/Spot Spot - Sales Line

<u>Component</u>	<u>Mole %</u>	<u>BTU</u>	<u>GPM</u>
Toluene	0.0027	0.12	0.0009
n-Octane	0.0005	0.03	0.0003
Propane	1.3397	33.79	0.3692
Totals	100.0000	1,075.99	2.1442

Relative Density from Composition 0.6110

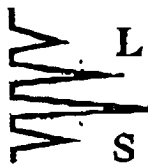
BTUs @ 14.85 Saturated 1,060

BTUs @ 14.65 Dry 1,079

Compressibility 0.99765

REMARKS: Sampled by B.P. at Pro Well
Atoka Formation

4/25/2003

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Run File	C:\STAR\DATA\05_21_2002\OUTLAND 4 4.25.03-3.RUN		
Method	C:\star\method_extended_gas_scott.mth		
Operator	Vickie Biggs	Analysis Date	4/25/2003
Station	Outland St. Unit #4	Company	Devon Energy
Effective Date		Pulled Data	4/25/03
Received Date	4/25/03	Composite/Spot	Spot - Sales Line

<u>Component</u>	<u>Mole %</u>	<u>BTU</u>	<u>GPM</u>
H2S	0.0000	0.00	0.0000
Nitrogen	1.4037	0.00	0.0000
Methane	90.5117	916.28	0.0000
CO2	0.2575	0.00	0.0000
i-Butane	0.1449	4.72	0.0474
Ethane	5.8956	104.57	1.5768
n-Butane	0.2445	7.99	0.0771
i-Pentane	0.0595	2.39	0.0218
n-Pentane	0.0437	1.76	0.0158
Cyclopentane	0.0130	0.49	0.0038
2-Methylpentane	0.0107	0.51	0.0044
3-Methylpentane	0.0084	0.40	0.0034
n-Hexane	0.0137	0.65	0.0056
Methylcyclopentane	0.0106	0.48	0.0037
Benzene	0.0093	0.35	0.0026
Cyclohexane	0.0178	0.80	0.0060
n-Heptane	0.0044	0.24	0.0020
Methylcyclohexane	0.0082	0.43	0.0033

4/25/2003