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Sample No: 20102320

PRECISION WIRELINE AND TESTING
NATURAL GAS ANALYSIS REPORT
620-624-4505

Operator: MAREXCO INC	Analysis Date: 07/13/10
Well Name: KLIE 1-33	Sample Date: 07/12/10
Location: 33-3S-42W	Sample Pressure: 40.7
County: CHEYENNE	Sample Temperature: 72
State: KANSAS	Sample Time: 1130

Sample Source: METER RUN
 Formation: NIOBRARA
 Bottle No: P-12
 Requested By: MAREXCO INC
 Sampled By: MARK

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NATURAL GAS ANALYSIS

	Mole %	GPM
Helium	0.086	
Hydrogen	0.000	
Oxygen	0.000	
Nitrogen	4.461	
Carbon Dioxide	0.423	
Methane	93.385	
Ethane	1.154	0.433
Propane	0.337	0.126
Iso Butane	0.055	0.017
Normal Butane	0.054	0.017
Isc Pentane	0.016	0.004
Normal Pentane	0.011	0.003
Hexanes Plus	0.018	0.004
TOTALS	100.000	0.605
Z Factor:		0.9999
Specific Gravity:		0.5878
BTU/cu.ft. (sat, 60 F. 14.73 psia):		969.7
BTU/cu.ft. (dry, 60 F. 14.73 psia):		986.8
Octane Rating		123.0

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Comments:

RECEIVED
JUL 26 2010
KCC WICHITA