

NATURAL GAS ANALYSIS REPORT
GPA 2145-09

Sampled by:
Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number:	20100636	Analyzed:	03/02/10
Sample From:	Knapp 1-31	Pressure:	
Producer:	Lario Oil & Gas	Temperature:	
Date:		Location:	31-13-31
Time:		County:	Grove
Sampler:		State:	Kansas
Source:	DST 3	Formation:	Lans H&I

	Mole %	GPM
Helium	He: 0.403	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 51.220	0.000
Carbon Dioxide	CO2: 0.085	0.000
Methane	C1: 20.204	0.000
Ethane	C2: 4.606	1.727
Propane	C3: 9.820	3.681
Iso Butane	iC4: 3.083	0.945
Normal Butane	nC4: 5.407	1.719
Iso Pentane	iC5: 1.541	0.422
Normal Pentane	nC5: 1.732	0.479
Hexanes Plus	C6+: 1.899	0.436

TOTAL: 100.000 9.411
Z Fact: 0.9997
SP.GR.: 1.1203
BTU (SAT): 1040.4 @ 14.73 psia
BTU (DRY): 1058.9 @ 14.73 psia
OCTANE RATING: 51.1

COMMENTS:

0.000