

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number: 20003900
 Sample From: #1 Cronin A DST 2
 Producer: Daystar Petroleum
 Date:
 Time:
 Sampler:
 Source:

Analyzed: 07/18/00
 Pressure:
 Temperature:
 Location: 31-32-18
 County: Comanche
 State: Kansas
 Formation: Altamont

		Mole %	GPM
Helium	He:	0.059	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	3.077	0.000
Carbon Dioxide	CO2:	0.013	0.000
Methane	C1:	66.168	0.000
Ethane	C2:	7.056	1.887
Propane	C3:	10.538	2.904
Iso Butane	iC4:	1.981	0.648
Normal Butane	nC4:	5.613	1.770
Iso Pentane	iC5:	1.527	0.559
Normal Pentane	nC5:	1.647	0.597
Hexanes Plus	C6+:	2.321	1.013

TOTAL: 100.000 9.376
 Z Fact: 0.9940
 SP.GR.: 0.9425
 BTU (SAT): 1537.8 @ 14.73 psia
 BTU (DRY): 1565.0 @ 14.73 psia
 OCTANE RATING: 113.2

COMMENTS:

0.000

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Lab Number: 20003901
 Sample From: #1 Cronin A DST 3
 Producer: Daystar Petroleum
 Date:
 Time:
 Sampler:
 Source:

Analyzed: 07/18/00
 Pressure:
 Temperature:
 Location: 31-32-18
 County: Comanche
 State: Kansas
 Formation: Pawnee/
 Ft. Scott

	Mole %	GPM
Helium	He: 0.081	0.000
Hydrogen	H2: 0.008	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.139	0.000
Carbon Dioxide	CO2: 0.055	0.000
Methane	C1: 76.183	0.000
Ethane	C2: 5.391	1.442
Propane	C3: 5.359	1.477
Iso Butane	iC4: 1.052	0.344
Normal Butane	nC4: 3.527	1.112
Iso Pentane	iC5: 1.262	0.462
Normal Pentane	nC5: 1.610	0.583
Hexanes Plus	C6+: 3.333	1.454

TOTAL: 100.000 6.874
 Z Fact: 0.9951
 SP.GR.: 0.8564
 BTU (SAT): 1420.2 @ 14.73 psia
 BTU (DRY): 1445.4 @ 14.73 psia
 OCTANE RATING: 116.6

COMMENTS:

0.000