

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Lab Number: 20016418	Analyzed: 12/19/01
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Sample From: Tunnel Walk #1 DST 1	Pressure:	
Producer: Thoroughbred Assoc.	Temperature:	

Date: 12/18/01	Location: 21-32-19
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Time:		County: Comanche
Sampler: Lanny		State: Kansas
Source:		Formation: Viola

		Mole %	GPM
Helium	He:	0.045	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	4.184	0.000
Carbon Dioxide	CO2:	0.078	0.000
Methane	C1:	68.637	0.000
Ethane	C2:	9.515	2.545
Propane	C3:	6.574	1.811
Iso Butane	iC4:	1.366	0.447
Normal Butane	nC4:	4.047	1.276
Iso Pentane	iC5:	1.231	0.450
Normal Pentane	nC5:	1.928	0.698
Hexanes Plus	C6+:	2.395	1.045

TOTAL: 100.000 8.273

Z Fact: 0.9948

SP.GR.: 0.8902

BTU (SAT): 1438.3 @ 14.73 psia

BTU (DRY): 1463.8 @ 14.73 psia

OCTANE RATING: 113.0

COMMENTS:

0.000