

NATURAL GAS ANALYSIS REPORT

Sampled by:
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Analyzed by:
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Lab Number: 996154	Analyzed: 11/23/99
Sample From: Floyd #3 4pt	Pressure:
Producer: Horseshoe Operating	Temperature:
Date:	Location: 24-19-40
Time:	County: Greeley
Sampler:	State: Kansas
Source:	Formation:

	Mole %	GPM
Helium	He: 0.731	0.000
Hydrogen	H2: 0.011	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 31.109	0.000
Carbon Dioxide	CO2: 0.047	0.000
Methane	C1: 57.872	0.000
Ethane	C2: 5.150	1.377
Propane	C3: 3.165	0.872
Iso Butane	iC4: 0.355	0.116
Normal Butane	nC4: 0.950	0.300
Iso Pentane	iC5: 0.186	0.068
Normal Pentane	nC5: 0.217	0.079
Hexanes Plus	C6+: 0.207	0.090

TOTAL: 100.000 2.902
Z Fact: 0.9981
SP.GR.: 0.7695
BTU (SAT): 813.6 @ 14.73 psia
BTU (DRY): 828.0 @ 14.73 psia
OCTANE RATING: 85.1

COMMENTS:

0.000

Horseshoe Operating Company
 C SE SW SW 24-19s-40w Greeley county Kansas
 Start Test Date: 1999/11/13
 Final Test Date: 1999/11/17

Floyd #3

FieldNotes

Field Measurements

		Clock		Casing	Static1	Diff1	Meter1	Gas1
	Date	Time	Comments	Pres	Pres	Pres	Temp	Rate
	yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	in of H2O	°F	MMCF/D
1	1999/11/16	03:40:00	shutin	75.00			74.00	
2		03:50:00		73.00	39.00	3.00	74.00	0.072
3		04:00:00		71.00	39.00	4.00	74.00	0.083
4		04:10:00	1st pt	71.00	39.00	4.00	74.00	0.083
5		04:20:00		70.00	39.00	8.00	74.00	0.118
6		04:30:00		68.00	39.00	8.00	74.00	0.118
7		04:40:00	2nd pt	37.50	39.00	10.00	74.00	0.132
8		04:50:00		67.00	40.00	10.00	72.00	0.133
9		05:00:00		65.50	41.00	12.00	71.00	0.147
10		05:10:00	3rd pt	65.00	41.00	12.00	70.00	0.148
11		05:20:00		63.50	41.00	14.00	70.00	0.159
12		05:30:00		62.00	41.00	19.00	68.00	0.186
13		05:40:00	4th pt	61.00	41.00	24.00	66.00	0.210
14	1999/11/17	09:30:00	1 point	54.00	40.00	8.00	48.00	0.122

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Plot

