

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
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Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number: 994694	Analyzed: 08/25/99
Sample From: Seibert 2-31 (Miss) 4-Point	Pressure:
Producer: Castelli Exploration, Inc.	Temperature:
Date:	Location: 31-24-15
Time:	County: Stafford
Sampler:	State: Kansas
Source:	Formation: Miss

	Mole %	GPM
Helium	He: 0.390	0.000
Hydrogen	H2: 0.008	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 3.217	0.000
Carbon Dioxide	CO2: 0.122	0.000
Methane	C1: 90.225	0.000
Ethane	C2: 3.583	0.958
Propane	C3: 1.368	0.377
Iso Butane	iC4: 0.207	0.068
Normal Butane	nC4: 0.442	0.139
Iso Pentane	iC5: 0.112	0.041
Normal Pentane	nC5: 0.128	0.046
Hexanes Plus	C6+: 0.198	0.086

TOTAL: 100.000 1.716
 Z Fact: 0.9978
 SP.GR.: 0.6183
 BTU (SAT): 1036.5 @ 14.73 psia
 BTU (DRY): 1054.8 @ 14.73 psia
 OCTANE RATING: 123.1

COMMENTS:

0.000

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Lab Number: 994693	Analyzed: 08/25/99
Sample From: Seibert 2-31 (Lans) 4-Point	Pressure:
Producer: Castelli Exploration, Inc.	Temperature:
Date:	Location: 31-24-15
Time:	County: Stafford
Sampler:	State: Kansas
Source:	Formation: Lansing

	Mole %	GPM
Helium	He: 0.250	0.000
Hydrogen	H2: 0.008	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 4.875	0.000
Carbon Dioxide	CO2: 0.049	0.000
Methane	C1: 88.373	0.000
Ethane	C2: 3.661	0.979
Propane	C3: 1.490	0.411
Iso Butane	iC4: 0.236	0.077
Normal Butane	nC4: 0.513	0.162
Iso Pentane	iC5: 0.139	0.051
Normal Pentane	nC5: 0.154	0.056
Hexanes Plus	C6+: 0.252	0.110

TOTAL: 100.000 1.845
Z Fact: 0.9977
SP.GR.: 0.6306
BTU (SAT): 1030.4 @ 14.73 psia
BTU (DRY): 1048.7 @ 14.73 psia
OCTANE RATING: 121.0

COMMENTS:

0.000

Castelli Exploration Inc.

W/2 NW NW Sec 5 T 25s R 15w Stafford KS

Start Test Date: 1999/08/23

Final Test Date: 1999/08/24

FieldNotes

Seibert 1-5
Formation: Lansing

Field Measurements

	Clock	Casing	Static1	Diff1	Meter1	Gas1		
Date	Time	Comments	Pres	Pres	Temp	Orifice1	Rate	
yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	in of H2O	°F	in	MMCF/D
1	1999/08/23	13:00:00	shutin	574.60			0.000	
2		13:15:00		571.40	90.00	4.00	0.00	0.000
3		13:30:00		560.00	90.00	6.00	102.00	1.000
4		13:45:00		552.00	94.00	12.00	97.00	
5		14:00:00	1st pt	549.60	93.00	14.00	94.00	
6		14:15:00		542.20	92.00	15.00	92.00	
7		14:30:00		537.80	95.00	15.00	92.00	
8		14:45:00		532.20	96.00	20.00	90.00	
9		15:00:00	2nd pt	521.00	98.00	19.00	90.00	
10		15:15:00		508.60	98.00	33.00	87.00	
11		15:30:00		499.40	98.00	40.00	85.00	
12		15:45:00		491.00	99.00	42.00	85.00	
13		16:00:00	3rd pt	487.60	100.00	38.00	84.00	
14		16:15:00		474.40	100.00	40.00	84.00	
15		16:30:00		467.20	100.00	57.00	84.00	
16		16:45:00		461.80	100.00	48.00	84.00	
17		17:00:00	4th pt	452.60	101.00	48.00	84.00	
18	1999/08/24	08:30:00	1pt	210.80	95.00	18.00	69.00	

Castelli Exploration Inc.
W/2 NW NW Sec 5 T 25s R 15w Stafford KS
Start Test Date: 1999/08/23
Final Test Date: 1999/08/24

Seibert 1-5
Formation: Lansing

Plot

