

15-051-19486

13-15-18w

NATURAL GAS ANALYSIS REPORT

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: 20031260

Analyzed: 03/15/03

Sample From: Herl 4

Pressure:

Producer: Oil Company of America

Temperature:

Date/Location: 13-15-18

Time:

County: Ellis

Sampler:

State: Kansas

Source: Production Test

Formation:

	Mole %	GPM
Helium	He: 1.756	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 38.801	0.000
Carbon Dioxide	CO2: 0.010	0.000
Methane	C1: 57.613	0.000
Ethane	C2: 1.251	0.335
Propane	C3: 0.380	0.105
Iso Butane	iC4: 0.054	0.018
Normal Butane	nC4: 0.069	0.022
Iso Pentane	iC5: 0.019	0.007
Normal Pentane	nC5: 0.019	0.007
Hexanes Plus	C6+: 0.028	0.012

TOTAL: 100.000 0.505

Z Fact: 0.9989

SP.GR.: 0.7212

BTU (SAT): 611.8 @ 14.73 psia
BTU (DRY): 622.7 @ 14.73 psia
OCTANE RATING: 76.7

COMMENTS:

0.000

FieldNotes

Field Measurements

	Clock	Casing	Static1	Meter1		Gas1	Cum.
Date	Time	Comments	Pres	Pres	Temp	Orifice1	Rate
yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	°F	in	MMCF/D
							MMCF
1	2002/03/13	14:31:00	SHUTIN				
2		14:31:00	486.00				
3		14:34:00	461.00	60.00	60.00	0.750	0.836
4		14:40:00	427.00	58.00	60.00		0.813
5		14:45:00	374.00	57.00	60.00		0.801
6		14:55:00	340.00	51.00	60.00		0.732
7		15:00:00	328.00	49.00	60.00		0.709
8		15:00:00	shutin				
9		15:10:00	439.00				
10		15:25:00	459.00	0.00	0.00		0.000
							0.016

2002/03/13 14:31:00 To 2002/03/13 15:25:00

Gas 0.016 Cum. 0.016 MMCF

Plot

Herl #4

