

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: 20012729
 Sample From: Legeliter 1-2
 Producer: Paxico
 Date:
 Time:
 Sampler:
 Source: Annulus 2

Analyzed: 06/22/01
 Pressure:
 Temperature:
 Location: 2-16-18
 County: Rush
 State: Kansas
 Formation:

	Mole %	GPM
Helium	He: 2.457	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 25.831	0.000
Carbon Dioxide	CO2: 0.158	0.000
Methane	C1: 67.379	0.000
Ethane	C2: 2.210	0.591
Propane	C3: 0.986	0.272
Iso Butane	iC4: 0.248	0.081
Normal Butane	nC4: 0.326	0.103
Iso Pentane	iC5: 0.117	0.043
Normal Pentane	nC5: 0.080	0.029
Hexanes Plus	C6+: 0.208	0.091
TOTAL:		100.000
Z Fact:		0.9985
SP.GR.:		0.6913
BTU (SAT):		771.0 @ 14.73 psia
BTU (DRY):		784.7 @ 14.73 psia
OCTANE RATING:		91.5

COMMENTS: Bottle contained liquids 0.000

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Lab Number: 20012704

Analyzed: 06/21/01

Sample From: Legleiter 1-2
Producer: Paxco

Pressure:
Temperature:

Date: Location: 13-32-19

Time:
Sampler:
Source:

County: Rush
State: Kansas
Formation: Miss

	Mole %	GPM
Helium	He: 0.695	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 12.912	0.000
Carbon Dioxide	CO2: 0.322	0.000
Methane	C1: 78.924	0.000
Ethane	C2: 4.405	1.178
Propane	C3: 1.657	0.457
Iso Butane	iC4: 0.394	0.129
Normal Butane	nC4: 0.416	0.131
Iso Pentane	iC5: 0.126	0.046
Normal Pentane	nC5: 0.069	0.025
Hexanes Plus	C6+: 0.080	0.035

TOTAL: 100.000 2.001

Z Fact: 0.9980

SP.GR.: 0.6642

BTU (SAT): 942.5 @ 14.73 psia
BTU (DRY): 959.2 @ 14.73 psia
OCTANE RATING: 109.7

COMMENTS: Bottle contained liquids

0.000

Paxco Inc
flow test
Start Test Date: 2001/06/21

Legleiter 1-2

FieldNotes

Field Measurements

	Clock	Casing	Static1	Meter1	Gas1	Cum.	
Date	Time	Comments	Pres	Pres	Temp	Rate	Gas1
yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	°F	MMCF/D	MMCF
1	2001/06/20	09:35:00	shutin				
2			877.00				
3	10:00:00	opened well					
4	10:05:00		846.00	74.00	46.00	0.484	0.002
5	10:10:00		814.00	72.00	38.00	0.476	0.003
6	10:15:00		772.00	62.00	36.00	0.421	0.005
7	10:20:00		722.00	77.00	36.00	0.506	0.007
8	10:25:00	pinched back					
9	10:25:00		689.00	22.00	38.00	0.191	0.008
10	10:30:00		670.00	30.00	46.00	0.238	0.009
11	10:40:00		632.00	33.00	54.00	0.253	0.011
12	10:50:00		595.00	23.00	50.00	0.195	0.012
13	10:55:00		575.00	24.00	54.00	0.201	0.013
14	11:00:00		552.00	27.00	54.00	0.220	0.014

2 x 60.00 Gas
60.00 30/hr 2hrs
35.70 mileage 42
35.70

2001/06/20 09:35:00 To 2001/06/20 11:00:00
Gas 0.014 Cum. 0.014 MMCF

Paxco Inc
flow test
Start Test Date: 2001/06/21

Legleiter 1-2

Plot

