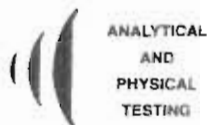


LUMAN'S LABORATORIES

P.O. Box 326 • Chetopa, KS 67336
(620) 236-7874



September 9, 2005

Layne Energy, Inc.
1900 Shawnee Mission Parkway
Mission Woods, KS 66205

Attn: Brent Natrass

Please find listed below analysis on the following sample.

Lab ID: 90511 Sample ID: Layne-Christensen #13-28 Beurskens Well;
SW SW 28-T.31S.-R.16E., Montgomery Country; Mineral Coal 772.0'-773.0'.

	As Received	Moisture Free	MAF
Moisture	1.12%		
Ash	13.27%	13.42%	
Volatile Matter	35.73%	36.14%	
Fixed Carbon	49.88%	50.44%	
BTU/lb	12,943	13,090	15,119
Sulfur	4.66%	4.71%	

Respectfully,



Carrol Luman

CGL:pd
c: K. David Newell

APPENDIX 1

LUMAN'S LABORATORIES

P.O. Box 326 • Chetopa, KS 67336
(620) 236-7874



September 9, 2005

Layne Energy, Inc.
1900 Shawnee Mission Parkway
Mission Woods, KS 66205

Attn: Brent Natrass

Please find listed below analysis on the following sample.

Lab ID: 90512 Sample ID: Layne-Christensen #13-28 Bearsdens Well;
SW SW 28-T.31S.-R.16E., Montgomery County, Tebo Coal 838.3'-839.1'

	As Received	Moisture Free	MAF
Moisture	1.29%		
Ash	23.52%	23.83%	
Volatile Matter	33.76%	34.20%	
Fixed Carbon	41.43%	41.97%	
BTU/lb	11,350	11,498	15,095
Sulfur	2.90%	2.94%	

Respectfully,

Carrol Luman

CGL:pdf
c: K. David Newell

APPENDIX 1

LUMAN'S LABORATORIES

P.O. Box 326 • Chetopa, KS 67336
(620) 236-7874



ANALYTICAL
AND
PHYSICAL
TESTING

September 9, 2005

Layne Energy, Inc.
1900 Shawnee Mission Parkway
Mission Woods, KS 66205

Attn: Brent Natrass

Please find listed below analysis on the following sample:

Lab ID. 90513 Sample ID. Layne-Christensen #13-28 Beurskens Well;
SW SW 28-T.31S.-R.16E., Montgomery Country Weir-Pittsburg Coal 847.0'-848.0'

	As Received	Moisture Free	MAF
Moisture	1.34%		
Ash	7.44%	7.54%	
Volatile Matter	39.07%	39.60%	
Fixed Carbon	52.15%	52.86%	
BTU/lb	14,016	14,206	15,364
Sulfur	3.31%	3.35%	

Respectfully,

Carrol Luman

CGL:pd
c: K. David Newell

APPENDIX I

LUMAN'S LABORATORIES

P.O. Box 326 • Chetopa, KS 67336
(620) 236-7874



ANALYTICAL
AND
PHYSICAL
TESTING

September 9, 2005

Layne Energy, Inc.
1900 Shawnee Mission Parkway
Mission Woods, KS 66205

Attn: Brent Natrass

Please find listed below analysis on the following sample.

Lab ID: 90514 Sample ID: Layne-Christensen #13-28 Beurskens Well;
SW SW 28-T.31S.-R.16E., Montgomery Country. Weir-Pittsburg Coal 848.0'-849.0'.

	As Received	Moisture Free	MAF
Moisture	2.05%		
Ash	9.81%	10.01%	
Volatile Matter	36.34%	37.10%	
Fixed Carbon	51.80%	52.89%	
BTU/lb	13,297	13,575	15,086
Sulfur	4.36%	4.45%	

Respectfully,

Carrol Luman

CGL:pdf
c: K. David Newell

APPENDIX 1

LUMAN'S LABORATORIES



P.O. Box 326 • Chelopa, KS 67336
(620) 236-7874

September 9, 2005

Layne Energy, Inc.
1900 Shawnee Mission Parkway
Mission Woods, KS 66205

Attn: Brent Natrass

Please find listed below analysis on the following sample.

Lab ID. 90601 Sample ID. Layne-Christensen #13-28 Beurskens Well;
SW SW 28-T.31S.-R.16E., Montgomery Country. Dry Wood Coal 888.2'-889.2'.

	As Received	Moisture Free	MAF
Moisture	1.47%		
Ash	22.83%	23.17%	
Volatile Matter	34.75%	35.26%	
Fixed Carbon	40.95%	41.57%	
BTU/lb	11,160	11,326	14,741
Sulfur	9.25%	9.38%	

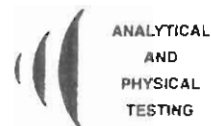
Respectfully,

Carrol Luman

CGL:pd
c: K. David Newell

APPENDIX 1

LUMAN'S LABORATORIES



P.O. Box 326 • Chetopa, KS 67336
(620) 236-7874

September 9, 2005

Layne Energy, Inc.
1900 Shawnee Mission Parkway
Mission Woods, KS 66205

Attn: Brent Natrass

Please find listed below analysis on the following sample.

Lab ID. 90602 Sample ID. Layne-Christensen #13-28 Beurskens Well;
SW SW 28-T.31S.-R.16E.. Montgomery Country. Rowe Coal 1003.7'-1004.7'.

	As Received	Moisture Free	MAF
Moisture	1.67%		
Ash	18.14%	18.45%	
Volatile Matter	35.53%	36.14%	
Fixed Carbon	44.66%	45.41%	
BTU/lb	12,015	12,219	14,983
Sulfur	3.95%	4.01%	

Respectfully,

Carrol Luman

CGL:pdI
c: K. David Newell

LUMAN'S LABORATORIES

P.O. Box 326 • Chetopa, KS 67336
(620) 236-7874



September 9, 2005

Layne Energy, Inc.
1900 Shawnee Mission Parkway
Mission Woods, KS 66205

Attn: Brent Natrass

Please find listed below analysis on the following sample.

Lab ID. 90603 Sample ID. Layne-Christensen #13-28 Beurskens Well;
SW SW 28-T.31S.-R.16E., Montgomery Country. Riverton Coal 1053.7'-1054.7'

	As Received	Moisture Free	MAF
Moisture	3.04%		
Ash	18.95%	19.55%	
Volatile Matter	29.51%	30.44%	
Fixed Carbon	48.50%	50.01%	
BTU/lb	11,231	11,583	14,398
Sulfur	8.35%	8.62%	

Respectfully,



Carol Luman

CGL:pdf
c: K. David Newell

APPENDIX 1

LUMAN'S LABORATORIES

P.O. Box 326 • Chetopa, KS 67336
(620) 236-7874



September 9, 2005

Layne Energy, Inc.
1900 Shawnee Mission Parkway
Mission Woods, KS 66205

Attn: Brent Natrass

Please find listed below analysis on the following sample.

Lab ID. 90604 Sample ID. Layne-Christensen #13-28 Beurskens Well;
SW SW 28-T.31S.-R.16E., Montgomery Country. Riverton Coal 1054.7'-1055.7'.

	As Received	Moisture Free	MAF
Moisture	1.46%		
Ash	14.87%	15.09%	
Volatile Matter	32.74%	33.23%	
Fixed Carbon	50.93%	51.68%	
BTU/lb	12,712	12,900	15,192
Sulfur	7.20%	7.31%	

Respectfully,

Carol Luman

CGL:pdj
c: K. David Newell