



LABORATORY ANALYTICAL REPORT

Client: Storm Cat Energy USA Corp  
 Site Name: NE\_Spotted\_Horse  
 Project: WYPDES  
 Client Sample ID: DP\_WY0040673\_001\_TP  
 Location: NWNW\_23\_56N\_74W  
 Samp FRQ/Type: M  
 Lab ID: G07050401-001

Report Date: 05/18/07  
 Collection Date: 05/10/07 16:15  
 Date Received: 05/11/07  
 Sampled By: Bob Balo  
 Matrix: Aqueous  
 Tracking Number: 499171

Analyses	Result	Units	Result	Units	Qualifier	Method	Analysis Date / By
<b>MAJOR IONS, DISSOLVED</b>							
Calcium	15	mg/L	0.75	meq/L	E200.7		05/17/07 04:50 / eli-t
Magnesium	7	mg/L	0.62	meq/L	E200.7		05/17/07 04:50 / eli-t
Sodium	402	mg/L	17.5	meq/L	E200.7		05/17/07 04:50 / eli-t
<b>NON-METALS</b>							
Conductivity @ 25 C	1680	umhos/cm			A2510 B		05/11/07 12:32 / slm
Sodium Adsorption Ratio (SAR)	21.2	unitless			Calculation		05/18/07 08:59 / tic

*Cut fall*



Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



### Sample Analysis Report

**CLIENT:** Baker Energy  
P. O. Box 6850  
Sheridan, WY 82801

**Date Reported:** 3/29/2007  
**Report ID:** S0703154001

**Project:** StormCat  
**Lab ID:** S0703154-001  
**Client Sample ID:** Mill Iron Cross Sec 13 NENW 56-74  
**Matrix:** Water

**Work Order:** S0703154  
**Collection Date:** 3/9/2007 8:00:00 AM  
**Date Received:** 3/9/2007 10:46:00 AM  
**Sampler:** Robert Brug

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
Electrical Conductivity	136	5		µmhos/cm	03/12/2007 1543 AT	SM 2510B
Sodium Adsorption Ratio	2.4	0.1			03/14/2007 1614 AT	Calculation
<b>Cations</b>						
Calcium	3	1		mg/L	03/12/2007 2243 RM	EPA 200.7
Magnesium	2	1		mg/L	03/12/2007 2243 RM	EPA 200.7
Sodium	21	1		mg/L	03/12/2007 2243 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	0.15	0.01		meq/L	03/14/2007 1614 AT	SM 1030F
Magnesium	0.13	0.01		meq/L	03/14/2007 1614 AT	SM 1030F
Sodium	0.92	0.01		meq/L	03/14/2007 1614 AT	SM 1030F

These results apply only to the samples tested.

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - S Spike Recovery outside accepted recovery limits
  - B Analyte detected in the associated Method Blank
  - H Holding times for preparation or analysis exceeded
  - L Analyzed by a contract laboratory
  - ND Not Detected at the Reporting Limit

Reviewed by: Patricia Quade  
Patricia Quade, Project Manager



LABORATORY ANALYTICAL REPORT

Client: Brug Land and Livestock  
 Project: Mill Iron Cross Res  
 Client Sample ID: Mill Iron Cross Res  
 Location: NWNW\_23\_56N\_74W  
 Samp FRQ/Type:  
 Lab ID: G07050974-001

Report Date: 06/05/07  
 Collection Date: 05/31/07 07:02  
 Date Received: 05/31/07  
 Matrix: Aqueous  
 Sampled By: Robert Brug

Analyses	Result	Units	Result	Units	Qualifier	Method	Analysis Date / By
<b>MAJOR IONS, DISSOLVED</b>							
Calcium	15	mg/L	0.74	meq/L	E200.7		06/04/07 17:55 / eli-b
Magnesium	9	mg/L	0.77	meq/L	E200.7		06/04/07 17:55 / eli-b
Sodium	278	mg/L	12.1	meq/L	E200.7		06/04/07 17:55 / eli-b
<b>NON-METALS</b>							
Conductivity @ 25 C	1250	umhos/cm			A2510 B		05/31/07 12:31 / jjb
Sodium Adsorption Ratio (SAR)	13.9	unitless			Calculation		06/05/07 12:17 / tic

*Michelle Bucholz*

Michelle Bucholz  
 Project Manager

Report: RL - Analyte reporting limit.  
 Definitions: OCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



### Sample Analysis Report

**CLIENT:** Storm Cat Energy  
345 Sinclair St.  
Gillette, WY 82718

**Date Reported:** 3/6/2008  
**Report ID:** S0803032001

**Project:** Mill Iron Res.  
**Lab ID:** S0803032-001  
**Client Sample ID:** Mill Iron Res.  
**Matrix:** Water

**Work Order:** S0803032  
**Collection Date:** 3/3/2008 7:30:00 AM  
**Date Received:** 3/4/2008 11:00:00 AM  
**Sampler:** RB  
**COC:** 118031

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
pH	9.4	0.1		s.u.	03/04/2008 2148 AF	SM 4500 H B
Electrical Conductivity	726	5		µmhos/cm	03/04/2008 2148 AF	SM 2510B
Sodium Adsorption Ratio	12.2	0.1			03/06/2008 828 AF	Calculation
<b>Cations</b>						
Calcium	7	1		mg/L	03/04/2008 2359 RM	EPA 200.7
Magnesium	4	1		mg/L	03/04/2008 2359 RM	EPA 200.7
Sodium	167	1		mg/L	03/04/2008 2359 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	0.35	0.01		meq/L	03/06/2008 828 AF	SM 1030F
Magnesium	0.34	0.01		meq/L	03/06/2008 828 AF	SM 1030F
Sodium	7.24	0.01		meq/L	03/06/2008 828 AF	SM 1030F

These results apply only to the samples tested.

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit

Reviewed by: *W. Nieuwsma*  
Wade Nieuwsma, Assistant Laboratory Manager



### Sample Analysis Report

**CLIENT:** Storm Cat Energy  
345 Sinclair St.  
Gillette, WY 82718

**Date Reported:** 5/20/2008  
**Report ID:** S0805170001

**Project:**  
**Lab ID:** S0805170-001  
**Client Sample ID:** Mill Iron Cross Res.  
**COC:** 118162

**Work Order:** S0805170  
**Collection Date:** 5/8/2008 7:55:00 AM  
**Date Received:** 5/8/2008 10:38:00 AM  
**Sampler:** RB  
**Matrix:** Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
pH	8.9	0.1		s.u.	05/13/2008 141 SM	SM 4500 H B
Electrical Conductivity	1580	5		µmhos/cm	05/13/2008 141 SM	SM 2510B
Sodium Adsorption Ratio	29.3	0.1			05/14/2008 1331 SM	Calculation
<b>Cations</b>						
Calcium	25	1		mg/L	05/12/2008 1557 RM	EPA 200.7
Magnesium	18	1		mg/L	05/12/2008 1557 RM	EPA 200.7
Sodium	791	1		mg/L	05/12/2008 1557 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	1.26	0.01		meq/L	05/14/2008 1331 SM	SM 1030F
Magnesium	1.48	0.01		meq/L	05/14/2008 1331 SM	SM 1030F
Sodium	34.42	0.01		meq/L	05/14/2008 1331 SM	SM 1030F

These results apply only to the samples tested.

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit

Reviewed by: Connie Mattson  
Connie Mattson, Project Manager



### Sample Analysis Report

**CLIENT:** Storm Cat Energy  
345 Sinclair St.  
Gillette, WY 82718

**Date Reported:** 6/2/2008  
**Report ID:** S0805429001

**Project:**  
**Lab ID:** S0805429-001  
**Client Sample ID:** Mill Inn Cross Res.  
**COC:** 118639

**Work Order:** S0805429  
**Collection Date:** 5/27/2008 11:00:00 AM  
**Date Received:** 5/27/2008 2:37:00 PM  
**Sampler:**  
**Matrix:** Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
pH	9.0	0.1		s.u.	05/28/2008 1442 SM	SM 4500 H B
Electrical Conductivity	1390	5		µmhos/cm	05/28/2008 1442 SM	SM 2510B
Sodium Adsorption Ratio	16.0	0.1			05/29/2008 908 SM	Calculation
<b>Cations</b>						
Calcium	12	1		mg/L	05/28/2008 149 RM	EPA 200.7
Magnesium	9	1		mg/L	05/28/2008 149 RM	EPA 200.7
Sodium	304	1		mg/L	05/28/2008 149 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	0.60	0.01		meq/L	05/29/2008 908 SM	SM 1030F
Magnesium	0.76	0.01		meq/L	05/29/2008 908 SM	SM 1030F
Sodium	13.22	0.01		meq/L	05/29/2008 908 SM	SM 1030F

These results apply only to the samples tested.

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - S Spike Recovery outside accepted recovery limits
  - B Analyte detected in the associated Method Blank
  - H Holding times for preparation or analysis exceeded
  - L Analyzed by a contract laboratory
  - ND Not Detected at the Reporting Limit

Reviewed by: *Alyssa Hornay for*  
Lacey Keiron, Project Manager



### Sample Analysis Report

**CLIENT:** Storm Cat Energy  
345 Sinclair St.  
Gillette, WY 82718

**Date Reported:** 6/16/2008  
**Report ID:** S0806123001

**Project:**  
**Lab ID:** S0806123-001  
**Client Sample ID:** Mill Iron Cross Res.  
**COC:** 118858

**Work Order:** S0806123  
**Collection Date:** 6/5/2008 6:30:00 AM  
**Date Received:** 6/5/2008 10:00:00 AM  
**Sampler:** RB  
**Matrix:** Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
pH	8.9	0.1		s.u.	06/06/2008 2251 SM	SM 4500 H B
Electrical Conductivity	1210	5		µmhos/cm	06/06/2008 2251 SM	SM 2510B
Sodium Adsorption Ratio	15.5	0.1			06/09/2008 1132 SM	Calculation
<b>Cations</b>						
Calcium	14	1		mg/L	06/06/2008 1503 RM	EPA 200.7
Magnesium	10	1		mg/L	06/06/2008 1503 RM	EPA 200.7
Sodium	313	1		mg/L	06/06/2008 1503 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	0.69	0.01		meq/L	06/09/2008 1132 SM	SM 1030E
Magnesium	0.83	0.01		meq/L	06/09/2008 1132 SM	SM 1030E
Sodium	13.59	0.01		meq/L	06/09/2008 1132 SM	SM 1030E

These results apply only to the samples tested.

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - S Spike Recovery outside accepted recovery limits
  - B Analyte detected in the associated Method Blank
  - H Holding times for preparation or analysis exceeded
  - L Analyzed by a contract laboratory
  - ND Not Detected at the Reporting Limit

Reviewed by: *Lacey Ketron*  
Lacey Ketron, Project Manager

Sample Analysis Report

CLIENT: Pinnacle Gas Resources, Inc.  
1 East Alger  
Suite 206  
Sheridan, WY 82801

Project: Recluse  
Lab ID: S0612108-008  
Client Sample ID: 0052477-001S  
Matrix: Water

Date Reported: 12/18/2006  
Report ID: S0612108001

Work Order: S0612108  
Collection Date: 12/5/2006 11:50 AM  
Date Received: 12/5/2006 4:45 PM  
Sampler: Sarah Kindle

*Out Fall*

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
Electrical Conductivity	1660	5		µmhos/cm	12/07/2006 1359 AT	SM 2510B
Alkalinity, Total (As CaCO3)	981	5		mg/L	12/07/2006 1359 AT	SM 2320B
Sodium Adsorption Ratio	15.1	0.1			12/13/2006 733 AT	Calculation
<b>Anions</b>						
Alkalinity, Bicarbonate as HCO3	1200	5		mg/L	12/07/2006 1359 AT	SM 2320B
<b>Cations</b>						
Calcium	30	1		mg/L	12/08/2006 1551 RM	EPA 200.7
Magnesium	16	1		mg/L	12/08/2006 1551 RM	EPA 200.7
Sodium	410	1		mg/L	12/08/2006 1551 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	1.50	0.01		meq/L	12/13/2006 733 AT	SM 1030F
Magnesium	1.28	0.01		meq/L	12/13/2006 733 AT	SM 1030F
Sodium	17.81	0.01		meq/L	12/13/2006 733 AT	SM 1030F

**RECEIVED**  
OCT 28 2008  
BY: \_\_\_\_\_

These results apply only to the samples tested.

- Qualifiers:
- \* Value exceeds Maximum Contaminant Level
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - ND Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by: *Patricia A. Quade*  
Patricia Quade, Project Manager



### Sample Analysis Report

CLIENT: Pinnacle Gas Resources, Inc.

1 East Alger  
Suite 206  
Sheridan, WY 82801

Date Reported: 3/14/2007

Report ID: S0703145001

Work Order: S0703145

Collection Date: 3/8/2007 10:00:00 AM

Date Received: 3/9/2007 9:04:00 AM

Sampler: Terry Webster

Project: Recluse  
Lab ID: S0703145-002  
Client Sample ID: Brug #1 Impoundment  
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
pH	7.3	0.1		s.u.	03/12/2007 1302 AT	EPA 150.1
Electrical Conductivity	87	5		µmhos/cm	03/12/2007 1302 AT	SM 2510B
Alkalinity, Total (As CaCO <sub>3</sub> )	30	5		mg/L	03/12/2007 1302 AT	SM 2320B
Sodium Adsorption Ratio	0.8	0.1			03/14/2007 945 AT	Calculation
<b>Anions</b>						
Alkalinity, Bicarbonate as HCO <sub>3</sub>	37	5		mg/L	03/12/2007 1302 AT	SM 2320B
<b>Cations</b>						
Calcium	5	1		mg/L	03/12/2007 1921 RM	EPA 200.7
Magnesium	2	1		mg/L	03/12/2007 1921 RM	EPA 200.7
Potassium	3	1		mg/L	03/12/2007 1921 RM	EPA 200.7
Sodium	8	1		mg/L	03/12/2007 1921 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	0.25	0.01		meq/L	03/14/2007 945 AT	SM 1030F
*Magnesium	0.14	0.01		meq/L	03/14/2007 945 AT	SM 1030F
Potassium	0.07	0.01		meq/L	03/14/2007 945 AT	SM 1030F
Sodium	0.36	0.01		meq/L	03/14/2007 945 AT	SM 1030F

Mill Iron Res. F.C. 124  
S.A.R. 2.4  
Summer Aug. 2000

*[Signature]*

These results apply only to the samples tested.

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
M Value exceeds Monthly Ave or MCL  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
L Analyzed by a contract laboratory  
ND Not Detected at the Reporting Limit

Reviewed by: *[Signature]*  
Patricia Quade, Project Manager



### Sample Analysis Report

**CLIENT:** Pinnacle Gas Resources, Inc.  
1 East Alger  
Suite 206  
Sheridan, WY 82801

**Date Reported:** 5/1/2007  
**Report ID:** S0704340001

**Project:** Brug #1 Res.  
**Lab ID:** S0704340-001  
**Client Sample ID:** Brug #1 Res.  
**Matrix:** Water

**Work Order:** S0704340  
**Collection Date:** 4/18/2007 5:00:00 PM  
**Date Received:** 4/19/2007 9:44:00 AM  
**Sampler:** Robert Brug

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
Electrical Conductivity	1180	5		µmhos/cm	04/23/2007 1815 AT	SM 2510B
Sodium Adsorption Ratio	10.6	0.1			04/26/2007 1611 AT	Calculation
<b>Cations</b>						
Calcium	20	1		mg/L	04/20/2007 2241 RM	EPA 200.7
Magnesium	13	1		mg/L	04/20/2007 2241 RM	EPA 200.7
Sodium	250	1		mg/L	04/20/2007 2241 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	0.99	0.01		meq/L	04/26/2007 1611 AT	SM 1030F
Magnesium	1.09	0.01		meq/L	04/26/2007 1611 AT	SM 1030F
Sodium	10.89	0.01		meq/L	04/26/2007 1611 AT	SM 1030F

MAY 03 2007

These results apply only to the samples tested.

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - S Spike Recovery outside accepted recovery limits
  - B Analyte detected in the associated Method Blank
  - H Holding times for preparation or analysis exceeded
  - L Analyzed by a contract laboratory
  - ND Not Detected at the Reporting Limit

Reviewed by: Patricia A. Quade  
Patricia Quade, Project Manager



### Sample Analysis Report

**CLIENT:** Pinnacle Gas Resources, Inc.  
1 East Alger  
Suite 206  
Sheridan, WY 82801

**Date Reported:** 5/17/2007  
**Report ID:** S0705175001

**Project:** Brug #1 Res.  
**Lab ID:** S0705175-001  
**Client Sample ID:** Brug #1 Res.  
**Matrix:** Water

**Work Order:** S0705175  
**Collection Date:** 5/8/2007 6:03:00 PM  
**Date Received:** 5/8/2007 2:27:00 PM  
**Sampler:** RB

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
Electrical Conductivity	1120	5		µmhos/cm	05/10/2007 011 AT	SM 2510B
Sodium Adsorption Ratio	9.1	0.1			05/11/2007 1056 AT	Calculation
<b>Cations</b>						
Calcium	27	1		mg/L	05/09/2007 1541 RM	EPA 200.7
Magnesium	16	1		mg/L	05/09/2007 1541 RM	EPA 200.7
Sodium	242	1		mg/L	05/09/2007 1541 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	1.34	0.01		meq/L	05/11/2007 1056 AT	SM 1030F
Magnesium	1.30	0.01		meq/L	05/11/2007 1056 AT	SM 1030F
Sodium	10.53	0.01		meq/L	05/11/2007 1056 AT	SM 1030F

MAILED  
MAY 21 2007  
BY: \_\_\_\_\_

These results apply only to the samples tested.

- Qualifiers:** \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit

Reviewed by: Lacey Ketron  
Lacey Ketron, Project Manager



**Sample Analysis Report**

CLIENT: Pinnacle Gas Resources, Inc.  
1 East Alger, Suite 206  
Sheridan, WY 82801



Date Reported: 5/20/2008  
Report ID: S0805173001

Project:  
Lab ID: S0805173-001  
Client Sample ID: Brug Res H1  
COC: 118161

Work Order: S0805173  
Collection Date: 5/8/2008 8:45:00 AM  
Date Received: 5/8/2008 10:38:00 AM  
Sampler: RB  
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
pH	8.8	0.1		s.u.	05/13/2008 144 SM	SM 4500 H B
Electrical Conductivity	1530	5		µmhos/cm	05/13/2008 144 SM	SM 2510B
Sodium Adsorption Ratio	16.2	0.1			05/14/2008 1331 SM	Calculation
<b>Cations</b>						
Calcium	13	1		mg/L	05/12/2008 1639 RM	EPA 200.7
Magnesium	16	1		mg/L	05/12/2008 1639 RM	EPA 200.7
Sodium	373	1		mg/L	05/12/2008 1639 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	0.64	0.01		meq/L	05/14/2008 1331 SM	SM 1030F
Magnesium	1.34	0.01		meq/L	05/14/2008 1331 SM	SM 1030F
Sodium	16.21	0.01		meq/L	05/14/2008 1331 SM	SM 1030F

These results apply only to the samples tested.

- Qualifiers:
- \* Value exceeds Maximum Contaminant Level
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit

Reviewed by:   
Connie Mattson, Project Manager



### Sample Analysis Report

**CLIENT:** Pinnacle Gas Resources, Inc.  
1 East Alger, Suite 206  
Sheridan, WY 82801

**Date Reported:** 6/2/2008  
**Report ID:** S0805431001

**Project:**  
**Lab ID:** S0805431-001  
**Client Sample ID:** Brug #1  
**COC:** 118545

**Work Order:** S0805431  
**Collection Date:** 5/27/2008 10:20:00 AM  
**Date Received:** 5/27/2008 2:40:00 PM  
**Sampler:**  
**Matrix:** Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
pH	8.9	0.1		s.u.	05/28/2008 1518 SM	SM 4500 H B
Electrical Conductivity	1310	5		µmhos/cm	05/28/2008 1518 SM	SM 2510B
Sodium Adsorption Ratio	11.9	0.1			05/29/2008 908 SM	Calculation
<b>Cations</b>						
Calcium	16	1		mg/L	05/28/2008 213 RM	EPA 200.7
Magnesium	16	1		mg/L	05/28/2008 213 RM	EPA 200.7
Sodium	283	1		mg/L	05/28/2008 213 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	0.81	0.01		meq/L	05/29/2008 908 SM	SM 1030F
Magnesium	1.32	0.01		meq/L	05/29/2008 908 SM	SM 1030F
Sodium	12.32	0.01		meq/L	05/29/2008 908 SM	SM 1030F

These results apply only to the samples tested.

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - S Spike Recovery outside accepted recovery limits
  - B Analyte detected in the associated Method Blank
  - H Holding times for preparation or analysis exceeded
  - L Analyzed by a contract laboratory
  - ND Not Detected at the Reporting Limit

Reviewed by:

*Lacey Keiron*  
Lacey Keiron, Project Manager



### Sample Analysis Report

CLIENT: Pinnacle Gas Resources, Inc.  
1 East Alger, Suite 206  
Sheridan, WY 82801

Date Reported: 6/16/2008  
Report ID: S0806122001

Project:  
Lab ID: S0806122-001  
Client Sample ID: Brug #1 Res.  
COC: 118859

Work Order: S0806122  
Collection Date: 6/5/2008 5:45:00 AM  
Date Received: 6/5/2008 10:00:00 AM  
Sampler: RB  
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters</b>						
pH	9.0	0.1		s.u.	06/06/2008 2247 SM	SM 4500 H B
Electrical Conductivity	1330	5		µmhos/cm	06/06/2008 2247 SM	SM 2510B
Sodium Adsorption Ratio	13.4	0.1			06/09/2008 1133 SM	Calculation
<b>Cations</b>						
Calcium	17	1		mg/L	06/06/2008 1500 RM	EPA 200.7
Magnesium	16	1		mg/L	06/06/2008 1500 RM	EPA 200.7
Sodium	319	1		mg/L	06/06/2008 1500 RM	EPA 200.7
<b>Cation/Anion-Milliequivalents</b>						
Calcium	0.86	0.01		meq/L	06/09/2008 1133 SM	SM 1030F
Magnesium	1.30	0.01		meq/L	06/09/2008 1133 SM	SM 1030F
Sodium	13.88	0.01		meq/L	06/09/2008 1133 SM	SM 1030F

These results apply only to the samples tested.

- Qualifiers:
- \* Value exceeds Maximum Contaminant Level
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit

Reviewed by: Lacey Ketron  
Lacey Ketron, Project Manager