



OGMCOAL DNR <ogmcoal@utah.gov>

Fwd: FW: polymer tests

Steve Christensen <stevechristensen@utah.gov>
To: OGMCOAL DNR <ogmcoal@utah.gov>

Tue, Feb 21, 2017 at 9:29 AM

Crandall Canyon Residual Polymer Testing: October, November, December of 2016 and January of 2017. (See Attached). Please send the PDF's to the file as well. Thanks.

——— Forwarded message ———

From: **Madsen, Karin** <kmadsen@coalsource.com>

Date: Thu, Feb 16, 2017 at 3:55 PM

Subject: FW: polymer tests

To: "Steve Christensen <stevechristensen@utah.gov> (stevechristensen@utah.gov)" <stevechristensen@utah.gov>, "Hibbs, David" <dhibbs@coalsource.com>

Attached you'll find the Polymer Results for October, November, December 2016, and January 2017.

Thanks!

—
Steve Christensen
Utah Division of Oil, Gas and Mining
1594 W North Temple, Suite 1210
Salt Lake City, Utah 84116
(801) 538-5350
stevechristensen@utah.gov

4 attachments

 **Polymer_test 013017.pdf**
38K

 **Polymer_test 121616.pdf**
38K

 **Polymer_test 113016.pdf**
38K

 **polymer_test 10 26 16.pdf**
38K



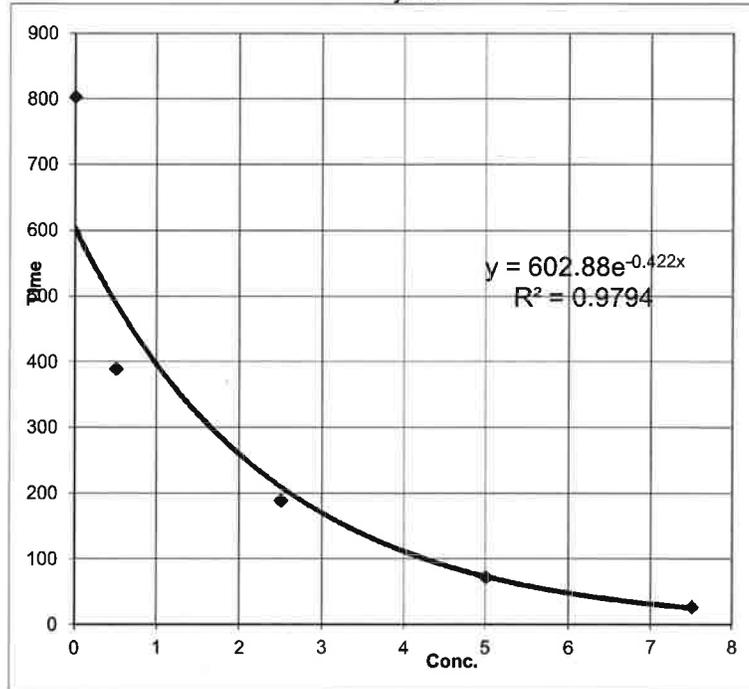
Genwal Resources Inc.
794 "C" Canyon Road
East Carbon, UT 84520

Client Sample ID: Polymer Test
Date Sampled: 1/30/2017
Date Received: 1/30/2017
Product Description:
Sample Taken At: Genwal Mine
Sample Taken By: KOM
Time Received: 1530
Time Sampled: 1454

Coagulant (1mg/l) and Flocculent

Exponent	INTERCEPT	
-0.422	602.880000	
Standards	Time	Conc. Mg/l
BLANK	803	0
1	389	0.5
2	189	2.5
3	72	5
4	27	7.5

Residual Polymer Test



Residual Polymer (based on 1 mg/l Coagulant)

Sample #	mL of Sample	Time	Conc. Mg/l
1744777-001	45	950	ND

Comments: Customer supplied method
Flocculent Date: 6/10/2015

ND = none detect (<0 mg/l)

Coco Van Den Bergh
Branch Manager

SGS North America Inc.

Minerals Services
P.O. Box 1020 Huntington, UT 84528

t (435) 653.2311 f (435) 653.2436 www.sgs.com

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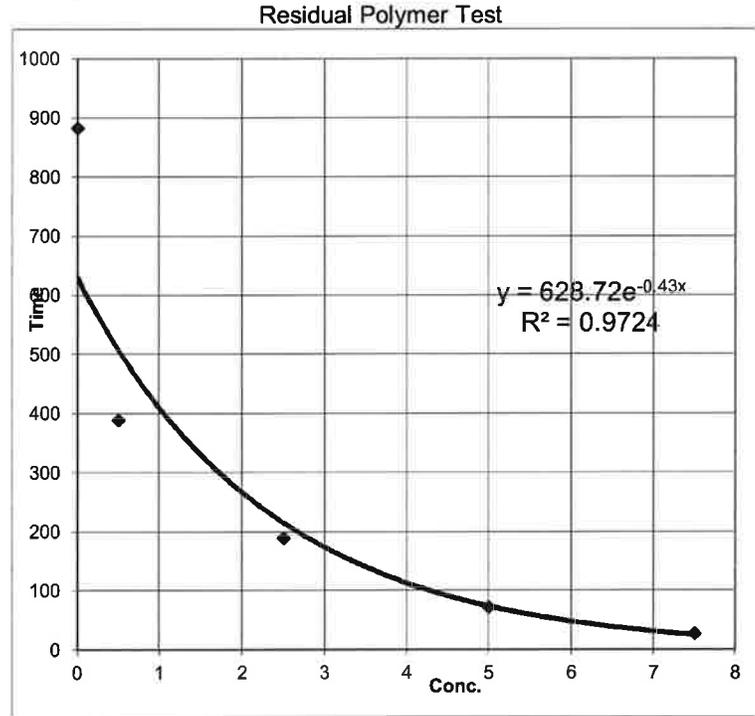
Analysis Report

Genwal Resources Inc.
794 "C" Canyon Road
East Carbon, UT 84520

Client Sample ID: Polymer Test
Date Sampled: 12/16/2016
Date Received: 12/16/2016
Product Description:
Sample Taken At: Genwal Mine
Sample Taken By: KOM
Time Received: 1435
Time Sampled: 1300

Coagulant (1mg/l) and Flocculent

Table with 3 columns: Exponent, INTERCEPT, Standards, Time, Conc. Mg/l. Includes data for BLANK, 1, 2, 3, 4.



Comments: Customer supplied method
Flocculent Date: 6/10/2015

Residual Polymer (based on 1 mg/l Coagulant)

Table with 4 columns: Sample #, mL of Sample, Time, Conc. Mg/l. Row 1: 1643519-001, 45, 907, ND.

ND = none detect (<0 mg/l)

Coco Van Den Bergh
Branch Manager

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Analysis Report

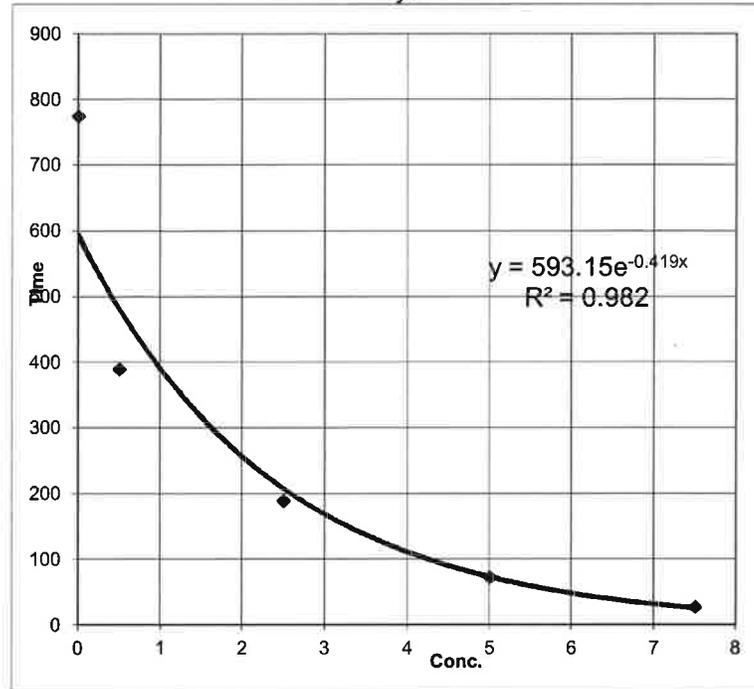
Residual Polymer Test

Genwal Resources Inc.
794 "C" Canyon Road
East Carbon, UT 84520

Client Sample ID: Polymer Test
Date Sampled: 11/30/2016
Date Received: 11/30/2016
Product Description:
Sample Taken At: Genwal Mine
Sample Taken By: KOM
Time Received: 1425
Time Sampled: 1400

Coagulant (1mg/l) and Flocculent

Table with 3 columns: Exponent, INTERCEPT, Standards, Time, Conc. Mg/l. Includes data for BLANK, 1, 2, 3, and 4.



Comments: Customer supplied method
Flocculent Date: 6/10/2015

Residual Polymer (based on 1 mg/l Coagulant)

Table with 4 columns: Sample #, mL of Sample, Time, Conc. Mg/l. Row 1: 1642969-001, 45, 724, ND.

ND = none detect (<0 mg/l)

Coco Van Den Bergh
Branch Manager

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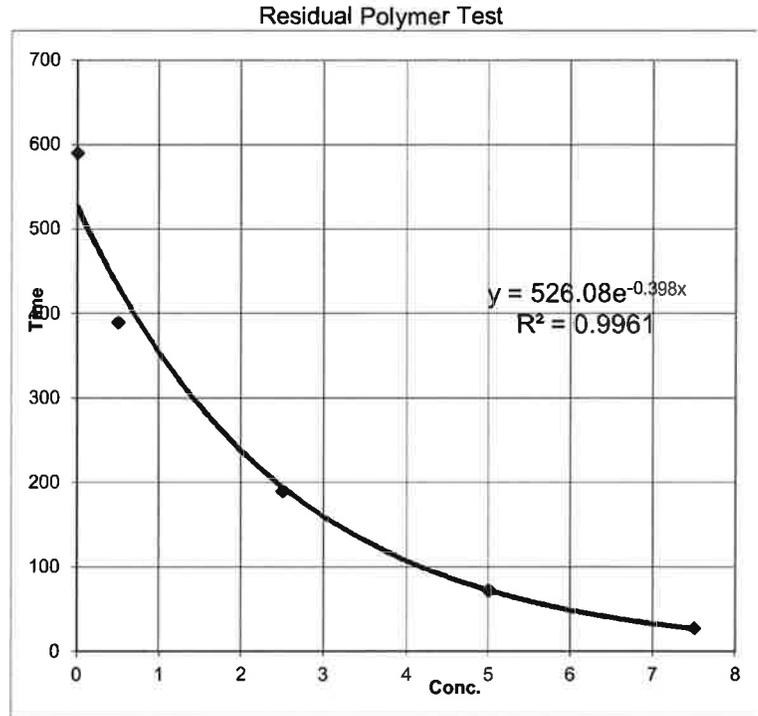


Genwal Resources Inc.
794 "C" Canyon Road
East Carbon, UT 84520

Client Sample ID: Polymer Test
Date Sampled: 10/26/2016
Date Received: 10/26/2016
Product Description:
Sample Taken At: Genwal Mine
Sample Taken By: KOM
Time Received: 1400
Time Sampled: 1100

Coagulant (1mg/l) and Flocculent

Exponent	INTERCEPT	
-0.398	526.080000	
Standards	Time	Conc. Mg/l
BLANK	590	0
1	389	0.5
2	189	2.5
3	72	5
4	27	7.5



Comments: Customer supplied method
Flocculent Date: 6/10/2015

Residual Polymer (based on 1 mg/l Coagulant)

Sample #	mL of Sample	Time	Conc. Mg/l
1641866-001	45	568	ND

ND = none detect (<0 mg/l)

Domenic Ibanez
Water Lab Supervisor

SGS North America Inc.

Minerals Services
P.O. Box 1020 Huntington, UT 84528

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