



BJ SERVICES

Rocky Mountain Region Laboratory
899 Baseline Place
Brighton, CO 80603
Phone (303) 659-7347
Fax (303) 659-7401

Therung 1-3B

***Rocky Mountain Region Laboratory
CEMENTING REPORT***

*Prepared for:
Mineral Resources
General Well
Weld County, Colorado
Region Lab #C1104908
Annular Fill Cement*

***Rocky Mountain Region Laboratory
899 Baseline Place
Brighton, CO 80603
Phone (303) 659-7347***

ANALYST: Joe Burock

***BJ SERVICES TECHNICAL REPRESENTATIVE
Chuck Klosterman***

Submitted by: Chuck Klosterman

November 16, 2008



CEMENTING LABORATORY REPORT
Region Lab #C1104908

COMPANY :	Mineral Resources	DATE:	November 16, 2008
WELL NAME:	General Well	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Annular Fill Cement
API #		TOC(md):	
DEPTH MD(ft):	1,000 ft	BHST(°F):	95 °F
CASING SIZE("):	4 1/2 in	BHCT(°F):	90 °F
TUBING SIZE("):	2 3/8 in	BHSqT(°F):	83 °F
HOLE SIZE("):		TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	
#2	Slurry: Premium Lite Cement + 3% Bentonite
#3	

SLURRY PROPERTIES			#1	#2	#3
Density : ppg				13.40	
Yield :cu.ft./sk.				1.55	
Mixing Water: gal/sk.				7.86	
Water Type:				Fresh	
Testing Temperature :				90 °F	
Thickening Time: hrs:mins.				4:43	
Free Water: mls.					
Fluid Loss:ml/30min					
Compressive Strength:		UCA		93 °F	
	24	hrs.		809 psi	
	72	hrs.		1066 psi	
Rheologies		RPM			
		300			
		200			
		100			
		6			
		3			
		600			
		PV			
		YP			
Gel Strength : #/100sq.ft.		10 sec.			
		10 min.			

REMARKS :

COMMENTS: The above data is supplied solely for informational purposes and BJ makes no guarantees or warranties, either express or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the standard contract terms at the time of sale.



BJ Services Rocky Mountain Region Laboratory Report

Report #: C1104908

Customer/Well Information

Company:	Mineral Resources	Depth MD:	1,000 ft	Date:	November 16, 2008
Well Name:	General Well	Depth TVD:	1,000 ft	Prepared for:	Chuck Klosterman
API #		TOC(md):		Submitted by:	Chuck Klosterman
Location:	Weld County, Colorado	Casing Size:	4 1/2 in	Prepared by:	Joe Burock
District:	Brighton	Tubing Size:	2 3/8 in	Water Type:	Fresh
Type Job:	Annular Fill Cement	Hole size:			

BHST: 95 °F

BHCT: 90 °F

BHSqT: 83 °F

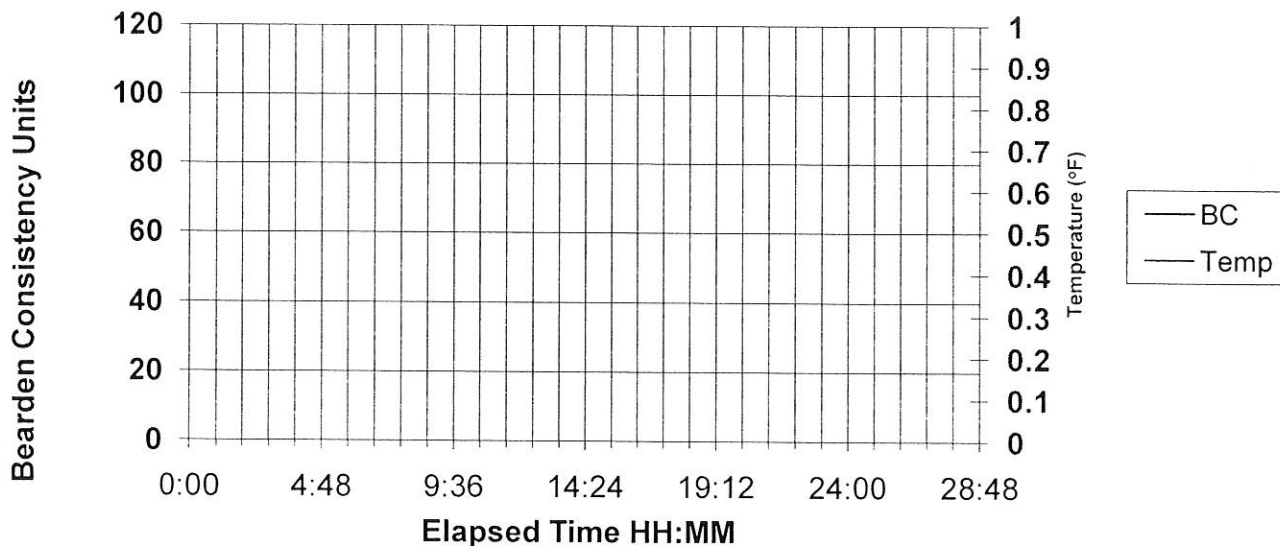
Slurry Design Data

Slurry Properties

Density:	Fluid Loss:	Test Temp:	151 °F
Yield:	Free Water:	Time to 70bc:	
Mix Water:	Total Fluid:	Time to 100 bc:	

Rheology:	600 rpm	300 rpm	200 rpm	100 rpm	6 rpm	3 rpm	PV	YP	Gel Strength	
									10 sec	10 min

Consistometer Recording of Bearden Consistency:



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BHST: 95 °F

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Slurry Design Data

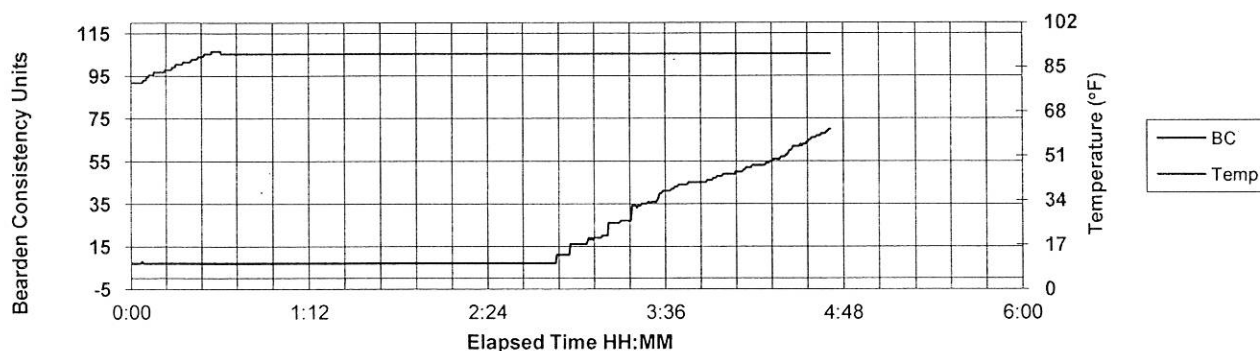
Slurry: Premium Lite Cement + 3% Bentonite

Slurry Properties

Density:	13.4 ppg	Fluid Loss:		Test Temp:	90 °F
Yield:	1.55 cf/sack	Free Water:		Time to 70bc:	4:42 hrs:min
Mix Water:	7.86 gps	Total Fluid:		Time to 100 bc:	

Rheology:	600 rpm	300 rpm	200 rpm	100 rpm	6 rpm	3 rpm	PV	YP	Gel Strength	
									10 sec	10 min

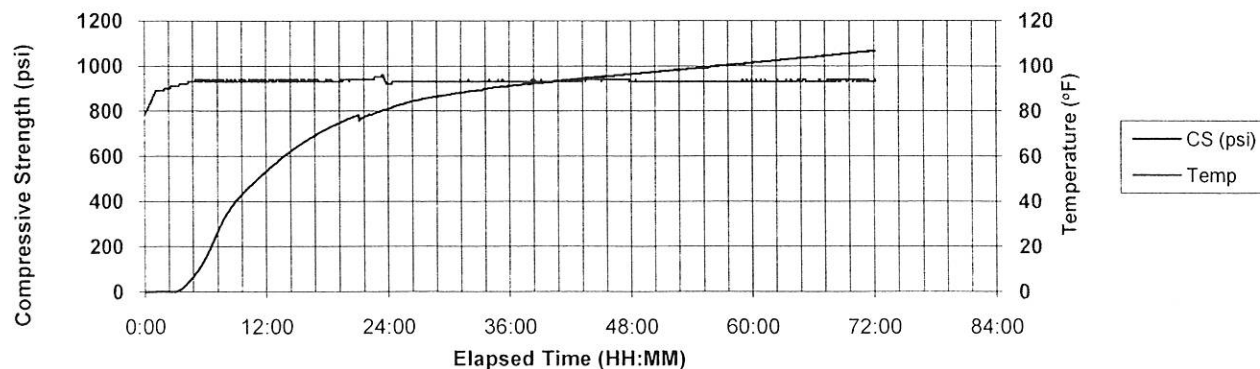
Consistometer Recording of Bearden Consistency:



Compressive Strength Data:

Temperature	4:02 hrs:min	12 hours	24 hours	48 hours	72 hours
@93 °F	25 psi	531 psi	809 psi	963 psi	1066 psi

Ultrasonic Cement Analyzer Data Chart:



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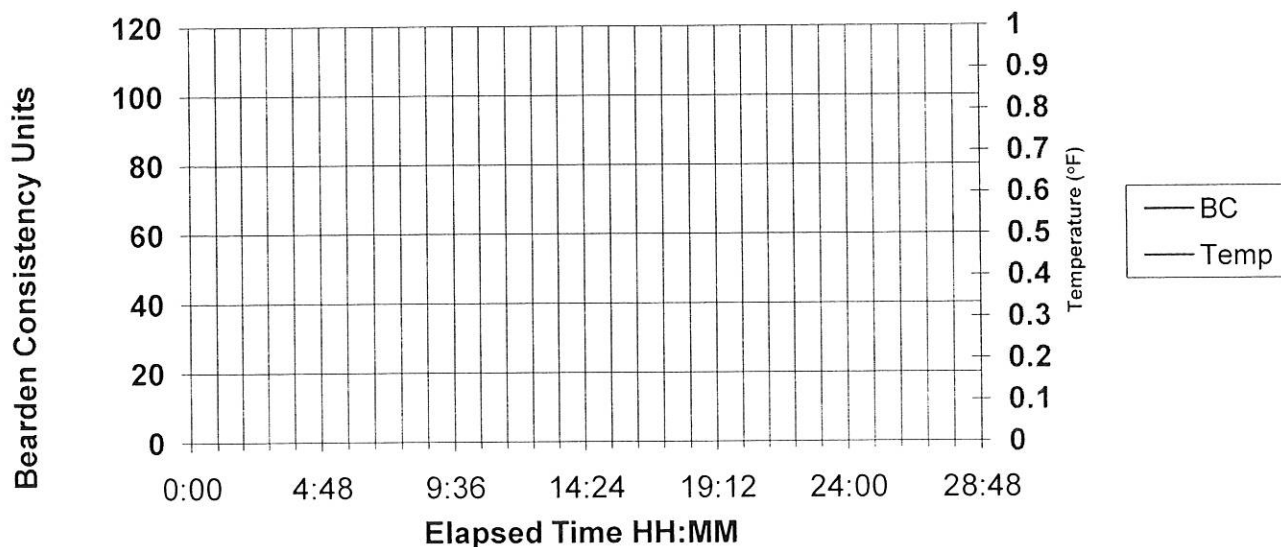
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Consistometer Recording of Bearden Consistency:



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Subj: **Fwd: Colton Werning 1-3B annular fill cement job**
 Date: 12/16/2008 9:14:14 P.M. Mountain Standard Time
 From: Tsmetz
 To: SovereignEnergy

SC...pl print everything for the well file

-----Original Message-----

From: Andy Peterson <andy.peterson@petersonenergy.com>
 To: Diana Burn <diana.burn@state.co.us>; Ed Binkley <ed.binkley@state.co.us>
 Cc: Tom Metzger <tsmetz@aol.com>; timsherwood2005@aol.com
 Sent: Tue, 16 Dec 2008 8:32 pm
 Subject: Colton Werning 1-3B annular fill cement job

Diana/Ed

Please see the attached sundry notice to change the annular cementing depth to 1500' instead of 2500' (original not mailed).

Based on the results of the annular fill jobs we have done recently and after studying this well log, Colton requests that they be allowed to cement from 1500' to surface with 13.4# cement and follow it up with a CBL.

A compressive strength analysis of this slurry is attached (24 hr - 809 psi, 72 hr 1066 psi).

Thank you for your attention to this matter.

Andy Peterson
 Peterson Energy Management, Inc.
 2154 W. Eisenhower Blvd, Loveland, CO 80537
 O: 970-669-7411
 F: 970-669-4077
 C: 970-203-4263
andy.peterson@petersonenergy.com

A Good Credit Score is 700 or Above. See yours in just 2 easy steps!

Subj: **Werning 1-3B**
Date: 11/12/2008 3:39:37 P.M. Mountain Standard Time
From: andy.peterson@petersonenergy.com
To: tsmetz@aol.com, SovereignEnergy@aol.com

Tom
With your permission, I am sending the attached sundry notice to Ed Binkley to get ready to cement off the annulus in the Werning 1-3B. Mike and I have held off Ed until this fall, we have been dealing with him all year and now he will issue a NOAV if we don't proceed to get it done.
I will get a detailed procedure and AFE together.
Please call with any questions.

Thanks

Andy Peterson
Peterson Energy Management, Inc.
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