

CEMENT JOB REPORT



CUSTOMER Crimson Exploration Inc			DATE 20-JUN-06		F.R. # 225130541		SERV. SUPV. STEVEN W STEWART		
LEASE & WELL NAME AMOCO STATE 41-16 - API 05001095580000			LOCATION SEC 16 - 1 S - 65 W			COUNTY-PARISH-BLOCK Adams Colorado			
DISTRICT Brighton			DRILLING CONTRACTOR RIG # N/A			TYPE OF JOB Long String			

SIZE & TYPE OF PLUGS		LIST CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES						
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
		Centralizer, with Pins, 4-1/2 in								
		Float Collar, AI Flap, 4-1/2 - 8rd								
MATERIALS FURNISHED BY BJ										
CLAYTREAT WATER					8.34				20	
MUD CLEAN II					8.4				20	
CLAYTREAT WATER					8.34				130	
CLAYTREAT WATER					8.34				20	
50:50 POZ:G + Additives				250	14.6	1.61	6.73	02:30	69	38.64
Premium Lite Cement				170	13	1.76	9.17		52	36.12
Available Mix Water		550 Bbl.		Available Displ. Fluid		342 Bbl.		TOTAL		311 74.76

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
7.875	0	8400	4.5	10.5	CSG	8283	N-80			

LAST CASING				PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.625	24		1500	No Packer				4.5	8RD	WATER BASED MU	9.2

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	
132	BBLs	CLAYTREAT WATER	8.34	2500	1350	0	0	0	5150	3000	Rig Tank

Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐ Circulation Time: .5 Circulation Rate: 9.2 BPM

Mud Density In: 9.3 LBS/GAL Mud Density Out: 9.3 LBS/GAL PV & YP Mud In: 45 PV & YP Mud Out: 45

Gas Present: NO ☐ YES ☒ Units: 0 Solids Present at End of Circulation: NO ☒ YES ☐

Displacement And Mud Removal

Displaced By: Rig ☐ BJ ☒ Amount Bled Back After Job: .7 BBLs

Returns During Job: ☐ NONE ☐ PARTIAL ☒ FULL Method Used to Verify Returns: Visual

Cement Returns at Surface: ☐ YES ☒ NO Were Returns Planned at Surface: ☒ NO ☐ YES

Pipe Movement: ☐ ROTATION ☐ RECIPROICATION ☐ NONE ☐ UNABLE DUE TO STUCK PIPE

Centralizers: ☐ NO ☒ YES Quantity: 20 Type: ☒ BOW ☐ RIGID

Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☒ MANIFOLD ☐ NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 Competition: 0 Wiper Balls Used: ☒ NO ☐ YES Quantity:

Plug Catcher Used: ☒ NO ☐ YES Parabow Used: ☒ NO ☐ YES

Was There a Bottom: ☒ NO ☐ YES Top of Plug: 0 FT Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☐ UNPLANNED ☐

Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

PRESSURE/RATE DETAIL	EXPLANATION

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

Float collar is set directly on top of guide shoe with no shoe joint in between. Circulated for 1/2 hour instead of the recommended amount of time to circulate capacity 2-3 times per Cement Recommendation.

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

N/A

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

N/A

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	4000 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
14:55	4000	0	.3	.3	H2O	Pressure Test	
14:57	850	0	8	20	CT-3C	Pre-flush Claytreat	
15:00	470	0	8	20	SAPP	Spacer-Mud Clean II	
15:02	550	0	8	20	CT-3C	Spacer-Claytreat	
15:06	492	0	5.4	52	CMT	Batch up and pump Lead slurry of PLC + adds @ 13.0	
15:15	146	0	3.8	68	CMT	Batch up and pump Tail Slurry of 50:50 POZ + adds @ 14.6 PPG	
15:30	0	0	0	0	N/A	Drop plug and wash up	
15:36	2500	0	10.1	130	CT-3C	Displacement	
15:52	0	0	0	0	N/A	Plug Down	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 2500	TEST FLOAT EQUIP. Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 310	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Service Supervisor Signature:

LM
BJ
Proposal No: 225157171B
225/3054/

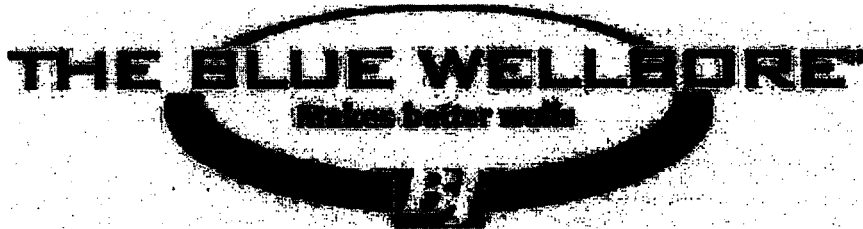
Crimson Exploration Inc
AMOCO STATE 41-16

N/A Rig
API # 05-001-09558-0000
WATTENBERG Field
SEC 16 - 1 S - 65 W
Adams County, Colorado
June 19, 2006

Cement Recommendation

Prepared for:
Mr. Andy Peterson
Company Rep.
Crimson Exploration

Prepared by:
Chris R. Schmidt
District Technical Supervisor
Brighton, Colorado
Mobile: (303) 898-7993
Email: cschmidt@bjservices.com



Service Point:
Brighton
Bus Phone: (303) 659-5853
Fax: (303) 659-5806

Service Representatives:
Chuck Klosterman
Sales Rep II
Brighton, Colorado
Mobile: (303) 810-2143

Michael Mc Connell
District Sales Supervisor
Brighton, Colorado
Mobile: (303) 895-1009

Operator Name: Crimson Exploration Inc
Well Name: AMOCO STATE 41-16
Job Description: 4-1/2" Longstring
Date: June 19, 2006



Proposal No: 225157171B

JOB AT A GLANCE

Depth (TVD)	8,400 ft
Depth (MD)	8,400 ft
Hole Size	7.875 in
Casing Size/Weight :	4 1/2 in, 10.5 lbs/ft
Pump Via	4 1/2" O.D. (4.052" I.D) 10.5
Total Mix Water Required	3,240 gals
Spacer	
CLAYTREAT WATER	20 bbls
Density	8.3 ppg
Spacer	
MUD CLEAN II	20 bbls
Density	8.4 ppg
Spacer	
CLAYTREAT WATER	20 bbls
Density	8.3 ppg
Lead Slurry	
Premium Lite Cement	170 sacks
Density	13.0 ppg
Yield	1.76 cf/sack
Tail Slurry	
50:50 POZ:G + Additives	250 sacks
Density	14.6 ppg
Yield	1.61 cf/sack
Displacement	
CLAYTREAT WATER	133 bbls
Density	8.3 ppg

Operator Name: Crimson Exploration Inc
Well Name: AMOCO STATE 41-16
Job Description: 4-1/2" Longstring
Date: June 19, 2006



Proposal No: 225157171B

JOB AT A GLANCE (Continued)

WELL DEPTHS & TUBULAR CONFIGURATION IS ESTIMATED. VERIFY PROPER WELL & TUBULAR INFORMATION, PROPER JOB PROCEDURES, CEMENT VOLUMES, & DISPLACEMENT VOLUME WITH CUSTOMER REPRESENTATIVE PRIOR TO PUMPING.

TD OF WELL IS ESTIMATED @ 8,400'

MAXIMUM PRESSURE: 2500 PSI.

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WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.097 CASING	1,500	1,500
7.875 HOLE	8,400	8,400

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
4.500	4.052	10.5	8,400	8,400

Float Collar set @ 8,370 ft
 Mud Density 9.30 ppg
 Mud Type Water Based
 Est. Static Temp. 290 ° F
 Est. Circ. Temp. 163 ° F

VOLUME CALCULATIONS

1,313 ft	x	0.2278 cf/ft	with	0 % excess	=	299.2 cf
1,750 ft	x	0.2278 cf/ft	with	0 % excess	=	398.7 cf
30 ft	x	0.0896 cf/ft	with	0 % excess	=	2.7 cf (inside pipe)
TOTAL SLURRY VOLUME					=	700.5 cf
					=	125 bbls

WELL INFORMATION IS ESTIMATED, VERIFY PROPER TUBULAR CONFIGURATION, PROPER JOB PROCEDURES, CEMENT VOLUMES, & DISPLACEMENT VOLUME WITH CUSTOMER REPRESENTATIVE PRIOR TO PUMPING.

VERIFY WITH CUSTOMER ALL FLOAT EQUIPMENT THAT IS TO BE RAN ON THE WELL & TIME OF CIRCULATION PRIOR TO CEMENTING. THESE MUST GO ON TREATMENT REPORT ALONG WITH ANY OTHER RELEVANT INFORMATION.

Operator Name: Crimson Exploration Inc
Well Name: AMOCO STATE 41-16
Job Description: 4-1/2" Longstring
Date: June 19, 2006



Proposal No: 225157171B

FLUID SPECIFICATIONS

Spacer 20.0 bbls CLAYTREAT WATER + 1 gpt Claytreat 3C @ 8.34 ppg
Spacer 20.0 bbls MUD CLEAN II @ 8.4 ppg
Spacer 20.0 bbls CLAYTREAT WATER + 1 gpt Claytreat 3C @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Lead Slurry	299	/ 1.7	= 170 sacks Premium Lite Cement + 3% bwoc Bentonite + 5 lbs/sack CSE + 0.4% bwoc FL-52A + 0.2% bwoc R-3 + 87.9% Fresh Water.
Tail Slurry	401	/ 1.6	= 250 sacks (50:50) Poz (Fly Ash):Class G Cement + 5 lbs/sack CSE + 0.2% bwoc R-3 + 0.3% bwoc CD-32 + 0.1% bwoc Sodium Metasilicate + 35% bwoc Silica Flour + 0.4% bwoc FL-52A + 66.8% Fresh Water

Displacement 133.5 bbls CLAYTREAT WATER @ 8.34 ppg

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	13.00	14.60
Slurry Yield (cf/sack)	1.76	1.61
Amount of Mix Water (gps)	9.17	6.73
Estimated Pumping Time - 70 BC (HH:MM)		2:30

THICKENING TEST TIMES ARE ESTIMATES & SLURRIES ARE SUBJECT TO CHANGE BASED ON TEST RESULTS FROM ROCKY MOUNTAIN REGION LABORATORY.

SLURRY VOLUMES ARE ESTIMATED & VOLUMES ARE SUBJECT TO CHANGE BASED ON CALIPER LOG MEASUREMENTS.

PLEASE TEST LEAD SLURRY AT THE DEPTH OF CEMENT PLACEMENT!!!

PLEASE DOCUMENT HOW LONG WELL HAS BEEN CIRCULATED BEFORE CEMENTING AND ALL OTHER IMPORTANT ISSUES ON CEMENT REPORT.

CEMENTING PROCEDURE PREPARED FOR:

MR. ANDY PETERSON
CRIMSON EXPLORATION CO.
4 1/2" LONGSTRING

HOLD PRE-JOB SAFETY MEETING WITH ALL PERSONNEL ON LOCATION.

CONFIRM ALL CEMENT VOLUMES, JOB PROCEDURES, PROPER DISPLACEMENT & TUBULAR CONFIGURATION WITH CUSTOMER REPRESENTATIVE PRIOR TO PUMPING.

TO ENSURE PROPER MUD REMOVAL IT IS RECOMMENDED THAT THE HOLE BE CIRCULATED 2-3 TIMES TOTAL CAPACITY PRIOR TO CEMENTING.

The pumped fluids will include:

1. 20 bbls of Claytreat Water as a pre-flush.
 2. 20 bbls Mud Clean II as a mud wash.
 3. 20 bbls Claytreat Water.
 4. Mix and pump the spacers at a minimum rate of 8.0 bpm. Mix and pump the cement slurries as fast as possible without jeopardizing SAFETY OR QUALITY. Displace casing at a minimum rate of 10.0 bpm.
 5. Mix and pump the lead slurry PREMIUM LITE and additives @ 13.0 ppg
 6. Mix and pump the tail slurry 50:50 Class G + Poz and Additives @ 14.6 ppg
 7. Shut down wash pumps & lines, drop plug.
 8. Displace with Claytreat Water @ 10 BPM.
 9. Bump plug and hold pressure as per customer's request, check float.
-

HOLD POST-JOB SAFETY MEETING WITH ALL PERSONNEL ON LOCATION.

Operator Name: Crimson Exploration Inc
 Well Name: AMOCO STATE 41-16
 Job Description: 4-1/2" Longstring
 Date: June 19, 2006



Proposal No: 225157171B

PRICE ESTIMATE

Product Material

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
125	94lbs	Class G Cement	24.45	3,056.25	43.0	1,742.06
444	lbs	Bentonite	0.42	186.48	43.0	106.29
7350	lbs	Silica Flour	0.45	3,307.50	43.0	1,885.28
21	lbs	Sodium Metasilicate	3.32	69.72	43.0	39.74
72	lbs	R-3	2.98	214.56	43.0	122.30
125	74lbs	Poz (Fly Ash)	10.85	1,356.25	43.0	773.06
840	gals	Mud Clean II	1.36	1,142.40	43.0	651.17
170	87lbs	Premium Lite Cement	19.80	3,366.00	43.0	1,918.62
144	lbs	FL-52A	21.80	3,139.20	43.0	1,789.34
63	lbs	CD-32	10.75	677.25	43.0	386.03
8	gals	Claytreat 3C	111.25	890.00	43.0	507.30
2100	lbs	CSE	1.36	2,856.00	43.0	1,627.92
Product Material Subtotal:				\$20,261.61		\$11,549.11

Service Charges

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1	ea	Personnel Surcharge - Cement Svc	145.50	145.50	0.0	145.50
608	cu ft	Bulk Materials Service Charge	3.41	2,073.28	43.0	1,181.77
Service Charges Subtotal:				\$2,218.78		\$1,327.27

Equipment

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
1	6hrs	Cement Pump Casing, 8001 - 9000 ft	8,500.00	8,500.00	43.0	4,845.00
1	job	Data Acquisition, Cement, Standard	1,335.00	1,335.00	100.0	0.00
50	miles	Mileage, Heavy Vehicle	7.40	370.00	43.0	210.90
50	miles	Mileage, Auto, Pick-Up or Treating Van	4.20	210.00	43.0	119.70
Equipment Subtotal:				\$10,415.00		\$5,175.60

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.

This quotation is based on BJ Services Company being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

Operator Name: Crimson Exploration Inc
Well Name: AMOCO STATE 41-16
Job Description: 4-1/2" Longstring
Date: June 19, 2006



Proposal No: 225157171B

PRICE ESTIMATE

Freight/Delivery Charges

QTY	UNIT	PRODUCT DESCRIPTION	UNIT PRICE	GROSS AMOUNT	DISC (%)	NET AMOUNT
575	tonmi	Bulk Delivery, Dry Products	2.47	1,420.25	43.0	809.54
Freight/Delivery Charges Subtotal:				\$1,420.25		\$809.54
TOTAL:				\$34,315.64		\$18,861.52

Notes

MILEAGE IS ESTIMATED, ACTUAL MILEAGE TO LOCATION WILL BE CHARGED.

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

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CONDITIONS

BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, www.bjservices.com. By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.

In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.

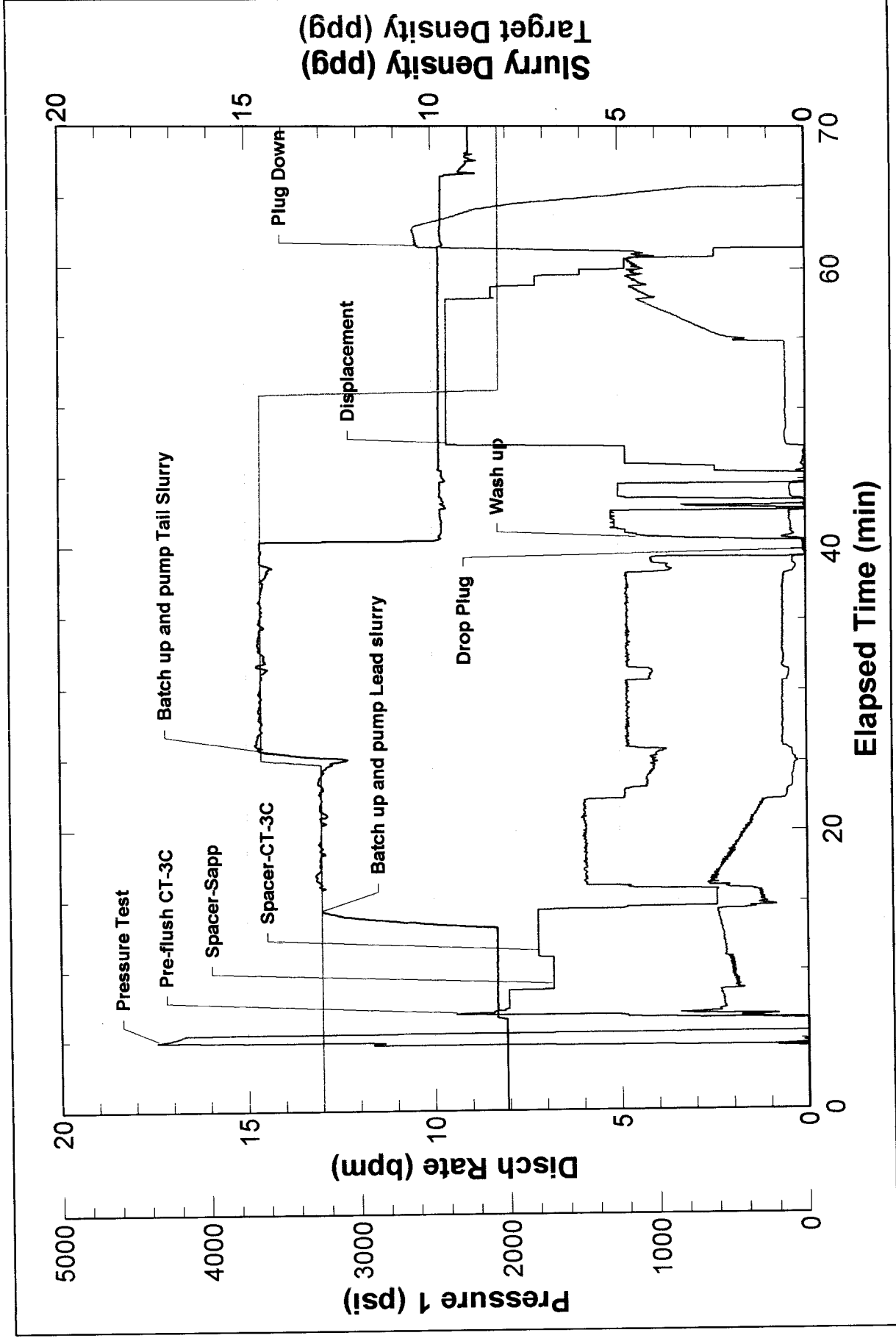


BJ Services JobMaster Program Version 3.00

Job Number: 225130541

Customer: Crimson Exploration

Well Name: Amoco State 41-16





Rocky Mountain Region Laboratory
285 Weld County Rd 27
Brighton, CO 80601
Phone (303) 659-7347
Fax (303) 659-7401

Rocky Mountain Region Laboratory
CEMENTING REPORT

Prepared for:
Crimson Exploration Inc.
Amoco State 41-16
Weld County, Colorado
Region Lab #C063106
Longstring Casing
API# 05-123-09558-0000

Rocky Mountain Region Laboratory
285 Weld County Rd 27
Brighton, CO 80601
Phone (303) 659-7347

ANALYST: Tom Smith

BJ SERVICES TECHNICAL REPRESENTATIVE
Chris Schmidt

Submitted by:

June 20, 2006



CEMENTING LABORATORY REPORT **Region Lab #C063106**

COMPANY :	<i>Crimson Exploration Inc.</i>	DATE:	<i>June 20, 2006</i>
WELL NAME:	<i>Amoco State 41-16</i>	LOCATION:	<i>Weld County, Colorado</i>
DISTRICT:	<i>Brighton</i>	TYPE JOB:	<i>Longstring Casing</i>
API #	<i>05-123-09558-0000</i>	TOC(md):	
DEPTH MD(ft):	<i>8,400 ft</i>	BHST(°F):	<i>290 °F</i>
CASING SIZE("):	<i>4 1/2 in</i>	BHCT(°F):	<i>198 °F</i>
TUBING SIZE("):		BHSqT(°F):	<i>244 °F</i>
HOLE SIZE("):	<i>7 7/8 in</i>	TOL (°F):	<i>Static Circ</i>

SLURRY DESIGN DATA

#1	<i>Lead: Premium Lite + 5 pps CSE, 0.4% FL-52, 0.2% R-3. (3% Gel)</i>
#2	<i>Tail: 50:50 (FA:G) + 35% S-8, 5 pps CSE, 0.4% FL-52, 0.3% CD-32, 0.1%SMS, 0.2% R-3</i>
#3	

SLURRY PROPERTIES		#1	#2	#3
Density : ppg		<i>13.00</i>	<i>14.60</i>	
Yield :cu.ft./sk.		<i>1.76</i>	<i>1.61</i>	
Mixing Water: gal/sk.		<i>9.17</i>	<i>6.73</i>	
Water Type:		<i>Fresh</i>	<i>Fresh</i>	
Testing Temperature :		<i>163 °F</i>	<i>163 °F</i>	
Thickening Time: hrs:mins.		<i>5:19</i>	<i>4:46</i>	
Free Water: mls.				
Fluid Loss:ml/30min				
Compressive Strength:				
	hrs.			
	hrs.			
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 #: C063106

Customer/Well Information

Company:	Crimson Exploration Inc.	Depth MD:	8,400 ft	Date:	June 20, 2006
Well Name:	Amoco State 41-16	Depth TVD:	8,400 ft	Prepared for:	Chris Schmidt
API #	05-123-09558-0000	TOC(md):		Submitted by:	
Location:	Weld County, Colorado	Casing Size:	4 1/2 in	Prepared by:	Tom Smith
District:	Brighton	Tubing Size:		Water Type:	Fresh
Type Job:	Longstring Casing	Hole size:	7 7/8 in		

BHST: 290 °F BHCT: 198 °F BHSqT: 244 °F

Slurry Design Data

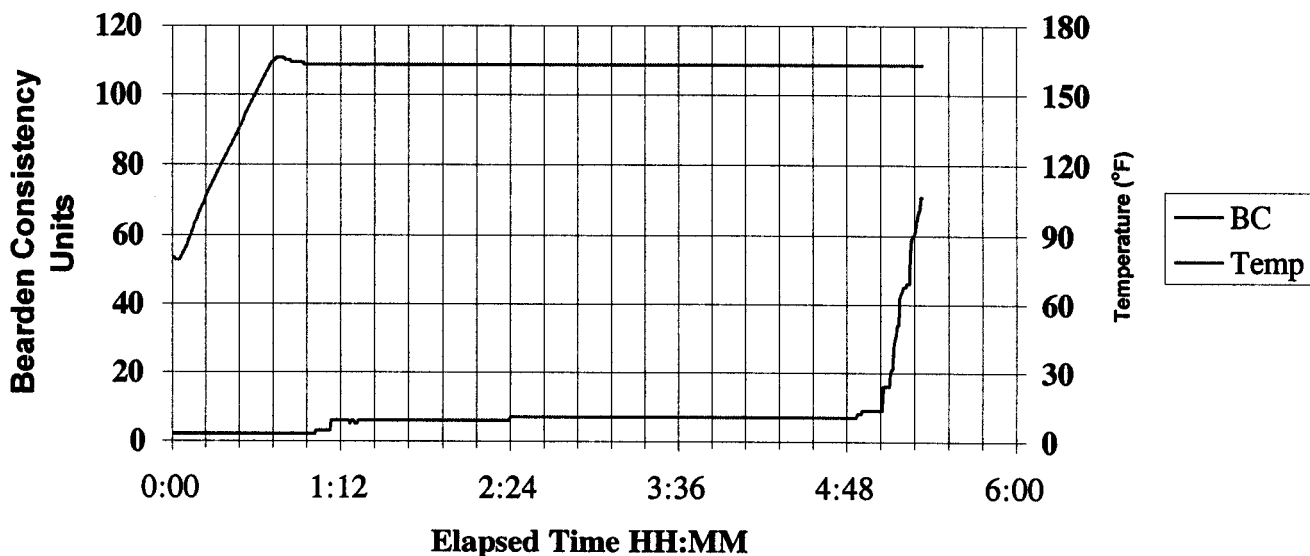
Lead: Premium Lite + 5 pps CSE, 0.4% FL-52, 0.2% R-3. (3% Gel)

Slurry Properties

Density:	13.0 ppg	Fluid Loss:		Test Temp:	163 °F
Yield:	1.76 cf/sack	Free Water:		Time to 70bc:	5:19 hrs:min
Mix Water:	9.17 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:



Notice: This report is presented in good faith based upon present day technology and information provided: but because of variable conditions and other information which must be relied upon, BJ Services makes no warranty, express or implied, as to the accuracy of the data or of any calculations or opinions expressed herein. You agree that BJ Services shall not be liable for any loss or damage, whether due to negligence or otherwise, arising out of or in connection with such data, calculations, or opinions.



BJ Services Rocky Mountain Region Laboratory Report

Report #: C063106

Customer/Well Information

Company:	Crimson Exploration Inc.	Depth MD:	8,400 ft	Date:	June 20, 2006
Well Name:	Amoco State 41-16	Depth TVD:	8,400 ft	Prepared for:	Chris Schmidt
API #	05-123-09558-0000	TOC(md):		Submitted by:	
Location:	Weld County, Colorado	Casing Size:	4 1/2 in	Prepared by:	Tom Smith
District:	Brighton	Tubing Size:		Water Type:	Fresh
Type Job:	Longstring Casing	Hole size:	7 7/8 in		

BHST: 290 °F

BHCT: 198 °F

BHSqT: 244 °F

Slurry Design Data

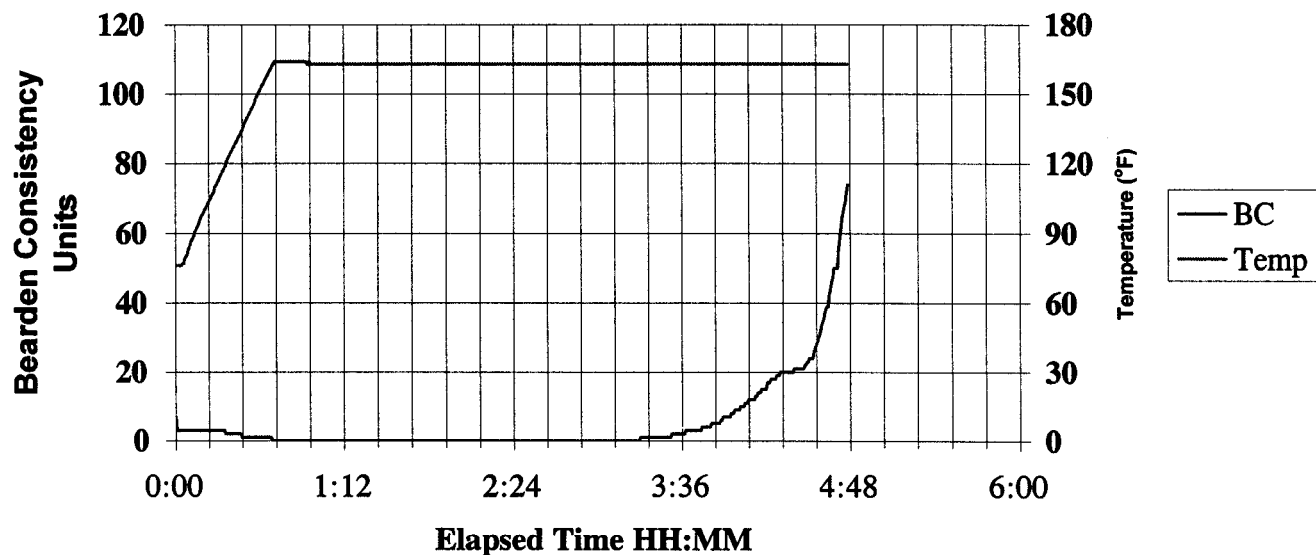
Tail: 50:50 (FA:G) + 35% S-8, 5 pps CSE, 0.4% FL-52, 0.3% CD-32, 0.1% SMS, 0.2% R-3

Slurry Properties

Density:	14.6 ppg	Fluid Loss:		Test Temp:	163 °F
Yield:	1.61 cf/sack	Free Water:		Time to 70bc:	4:46 hrs:min
Mix Water:	6.73 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:



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