

The Road to Excellence Starts with Safety

Sold To #: 338668	Ship To #: 2566248	Quote #:	Sales Order #: 8403117
Customer: CHEVRON - MID-CONTINENT EBIZ		Customer Rep:	
Well Name: MC McLAUGHLIN	Well #: 32	API/UWI #:	
Field: RANGELY	City (SAP): RANGELY	County/Parish: Rio Blanco	State: Colorado
Contractor: WORKOVER		Rig/Platform Name/Num: Workover	
Job Purpose: Squeeze Perfs			
Well Type: Producing Well		Job Type: Squeeze Perfs	
Sales Person: SARVER, ZACHARY		Srvc Supervisor: MCKEE, RALPH	MBU ID Emp #: 259268

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARPENTER, LANCE S	4.5	461737	MCKEE, RALPH R	4.5	259268	PEAY, SHANE Blake	4.5	472880

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10574660C	60 mile	10982756	60 mile	11127544	60 mile	11259879	60 mile
11410668	60 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8-17-2011	4.5	1						
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	17 - Aug - 2011	03:00	MST
Job depth MD	3950. ft		Job Depth TVD	Job Started	17 - Aug - 2011	05:30	MST
Water Depth			Wk Ht Above Floor	Job Completed	17 - Aug - 2011	09:16	MST
Perforation Depth (MD)	From	3,714.00 ft	To	3,725.00 ft	Departed Loc	17 - Aug - 2011	10:11
						11:30	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Squeeze Interval								3714.	3725.		
8.75 Open Hole				8.75				706.	3000.		
Production Casing	Unknown		7.	6.366	23.		J-55		6350.		
Retainer	Unknown		7.	6.366	23.		J-55	1114.	1115.		
Surface Casing	Unknown		10.75	10.05	40.5		J-55		706.		
Tubing	Unknown		2.875	2.441	6.5		J-55		1114.		

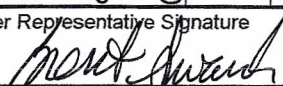
Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SUGAR - GRANULATED	20	LB		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%		
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty			
Fluid Data															
Stage/Plug #: 1															
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk				
1	Establish Injection Test				5	bbl	8.33	.0	.0	5.0					
2	SqueezeCem Lead	SQUEEZECEM (TM) SYSTEM (452971)			120	sacks	12.5	2.26	12.9	5.0	12.9				
12.9 Gal		FRESH WATER													
3	SqueezeCem Tail	SQUEEZECEM (TM) SYSTEM (452971)			50 70	sacks	15.8	1.17	5.16	2.0	5.16				
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)													
5.16 Gal		FRESH WATER													
4	Fresh Water Displacement				6.4	bbl	8.33	.0	.0	3.0					
Calculated Values				Pressures				Volumes							
Displacement		6.4		Shut In: Instant				Lost Returns				Cement Slurry		Pad	
Top Of Cement				5 Min				Cement Returns				Actual Displacement		6.4	
Frac Gradient				15 Min				Spacers				Load and Breakdown		Total Job	
Rates															
Circulating				Mixing				Displacement				Avg. Job			
Cement Left In Pipe		Amount		0 ft		Reason		Shoe Joint							
Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	
The Information Stated Herein Is Correct								Customer Representative Signature 							

The Road to Excellence Starts with Safety

Sold To #: 338668	Ship To #: 2566248	Quote #:	Sales Order #: 8403117
Customer: CHEVRON - MID-CONTINENT EBIZ		Customer Rep:	
Well Name: MC McLAUGHLIN	Well #: 32	API/UWI #:	
Field: RANGELY	City (SAP): RANGELY	County/Parish: Rio Blanco	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: WORKOVER		Rig/Platform Name/Num: Workover	
Job Purpose: Squeeze Perfs		Ticket Amount:	
Well Type: Producing Well		Job Type: Squeeze Perfs	
Sales Person: SARVER, ZACHARY		Srvs Supervisor: MCKEE, RALPH	MBU ID Emp #: 259268

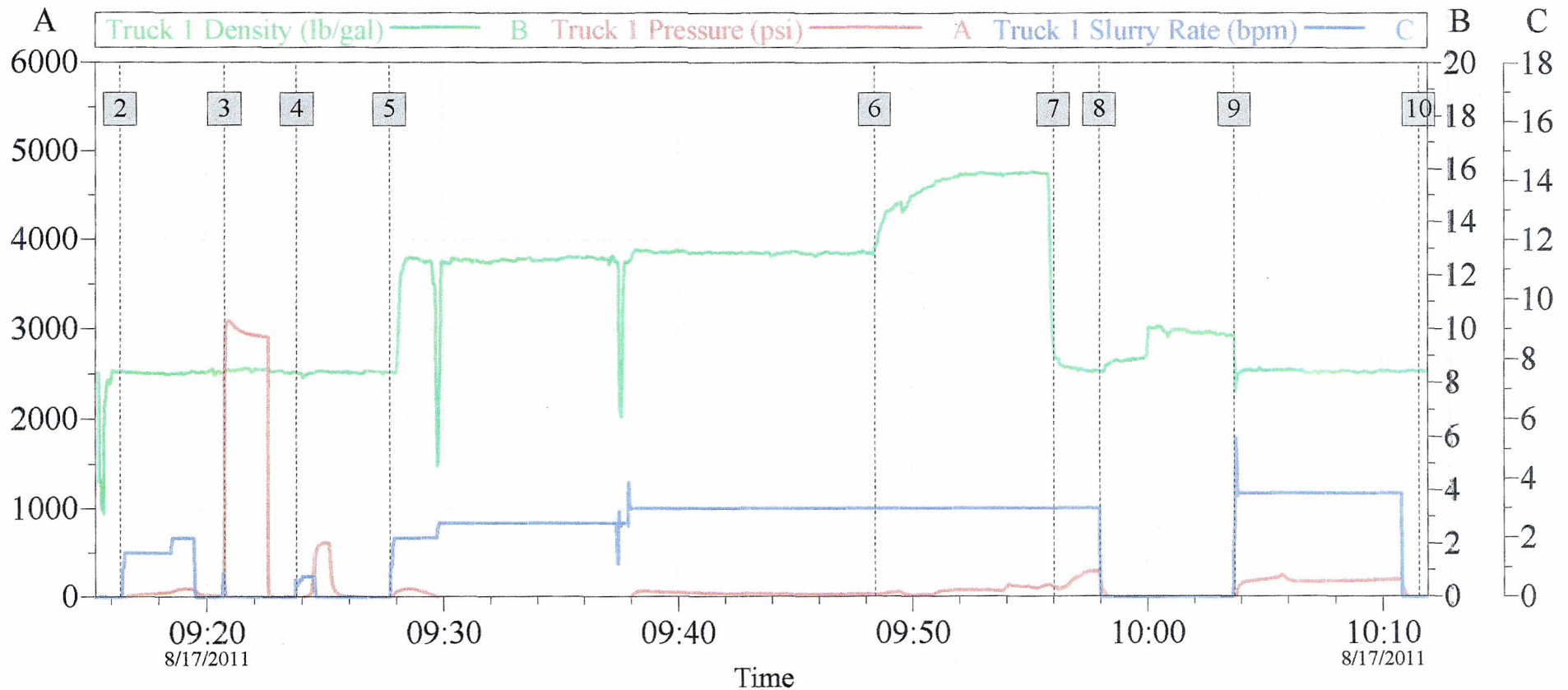
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/17/2011 03:00							Crew called out for job.
Pre-Convoy Safety Meeting	08/17/2011 04:20							Met with crew to discuss the hazards of travel, convoy order, and route to destination.
Depart from Service Center or Other Site	08/17/2011 04:30							Entered into Journey Management.
Arrive at Location from Service Center	08/17/2011 05:30							Ended Journey Management.
Other	08/17/2011 07:00							Met with company man to get numbers and verify information.
Other	08/17/2011 07:01							RIG READY
Assessment Of Location Safety Meeting	08/17/2011 07:05							Walked around location with crew to identify material locations (water, mud, etc), potential hazards for spotting equipment, and discussed equipment placement.
Other	08/17/2011 07:15							Spot Equipment
Pre-Rig Up Safety Meeting	08/17/2011 07:25							Discuss Safety and hazards.
Rig-Up Equipment	08/17/2011 07:35							Rig iron on the ground. /WAIT ON WATER TO ARRIVE
Pre-Job Safety Meeting	08/17/2011 08:45							DISCUSS SAFETY CONCERNS, JOB CONTINGENCIES, AND PUMP SCHEDULE

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	08/17/2011 09:16		1.5		5		.0	FILL LINES@ 3 BBL WELL CIRCULATES
Pressure Test	08/17/2011 09:20						3050.0	
Other	08/17/2011 09:23		1.5				400.0	PRESSURE UP BACKSIDE
Pump Lead Cement	08/17/2011 09:27		2		48.3	.0		120 SKS. SQUEEZECER @ 12.5 #, 2.26 Y, 12.9 GPS.
Pump Tail Cement	08/17/2011 09:48		3.2		14.5	18.0		70 SKS. SQUEEZECER / 2 %CC @15.8#, 1.17 Y, 5.16 GPS.
Pump Displacement - Start	08/17/2011 09:56		3.2		6.4	175.0		WATER / NO CEMENT RETURN TO SURFACE
Shutdown	08/17/2011 09:57							
Reverse Circ Well	08/17/2011 10:03		3.5		25			
Shutdown	08/17/2011 10:10							
End Job	08/17/2011 10:11							
Post-Job Safety Meeting (Pre Rig-Down)	08/17/2011 10:20							
Rig-Down Equipment	08/17/2011 10:30							
Safety Meeting - Departing Location	08/17/2011 11:30							
Crew Leave Location	08/17/2011 11:31							
Other	08/17/2011 11:32							Thanks for using Halliburton!!!

CHEVRON SQUEEZE PERFS MC MCLAUGHLIN #32

8-17-2011



Global Event Log

2	FILL LINES	09:16:22	3	PRESSURE TEST	09:20:44
4	PRESSURE BACKSIDE	09:23:47	5	PUMP LEAD CEMENT	09:27:43
6	PUMP TAIL	09:48:25	7	PUMP DISPLACEMENT	09:56:02
8	SHUT DOWN	09:57:59	9	REVERSE CIRCULATE WELL	10:03:43
10	End Job	10:11:32			

Customer: CHEVRON
Well Description: MCLAUGHLIN 32

Job Date: 17-Aug-2011
UWI:

Sales Order #: 8403117

OptiCem v6.4.10
17-Aug-11 10:17

CHEVRON - MID-CONTINENT EBIZ

**AC McLaughlin 32
RANGELY WEBER SAND UNIT
Rio Blanco County , Colorado**

Cement Production Casing
07-Sep-2011

Job Site Documents

Job Information

Request/Slurry	174676/1	Rig Name	Workover	Date	06/SEP/2011
Submitted By	Isaac Whorl	Job Type	Production Liner	Bulk Plant	Vernal
Customer	Chevron	Location	Rio Blanco	Well	AC McLaughlin 32

Well Information

Casing/Liner Size	5 1/2"	Depth MD	6194 ft	BHST	161 F
Hole Size	7"	Depth TVD	0 ft	BHCT	118 F

Drilling Fluid Information

Mud Company	Type	Density	10.0 PPG	PV/YP
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Cement Information - Lead Design

Conc	UOM	Cement/Additive	Sample Type	Sample Date	Lot No.	Cement Properties		
		BondCem				Slurry Density	13.50	PPG
						Slurry Yield	1.46	ft3/sk
100.00	% BWOC	Cement Blend	Bulk	Sep 06, 2011		Water Requirement	6.96	GPS
6.96	gal/sack	Fresh Water	Lab	May 29, 2011	5-29-2011	Total Mix Fluid	6.96	GPS
0.300	% BWOC	HR-800	Bulk	Sep 06, 2011				

Operation Test Results Request ID 174676/1

Thickening Time - ON-OFF-ON, Request Test ID:1739796, Historical Data

Test Temp (°F)	Reached in (min)	Pressure (psi)	30 Bc (hh:min)	50 Bc (hh:min)	70 Bc (hh:min)	100 Bc (hh:min)	Start Bc	Stirring before stop (mins)	Static Period (min)	Peak reading (BC)
118	27	3,736	03:01	03:28	04:05	04:08	21	60	30	21

30m Sd after 1hr pump time, Bc 21 into Sd, no change.

Mixability (0 - 5) - 0 is not mixable, Request Test ID:1739792, Historical Data

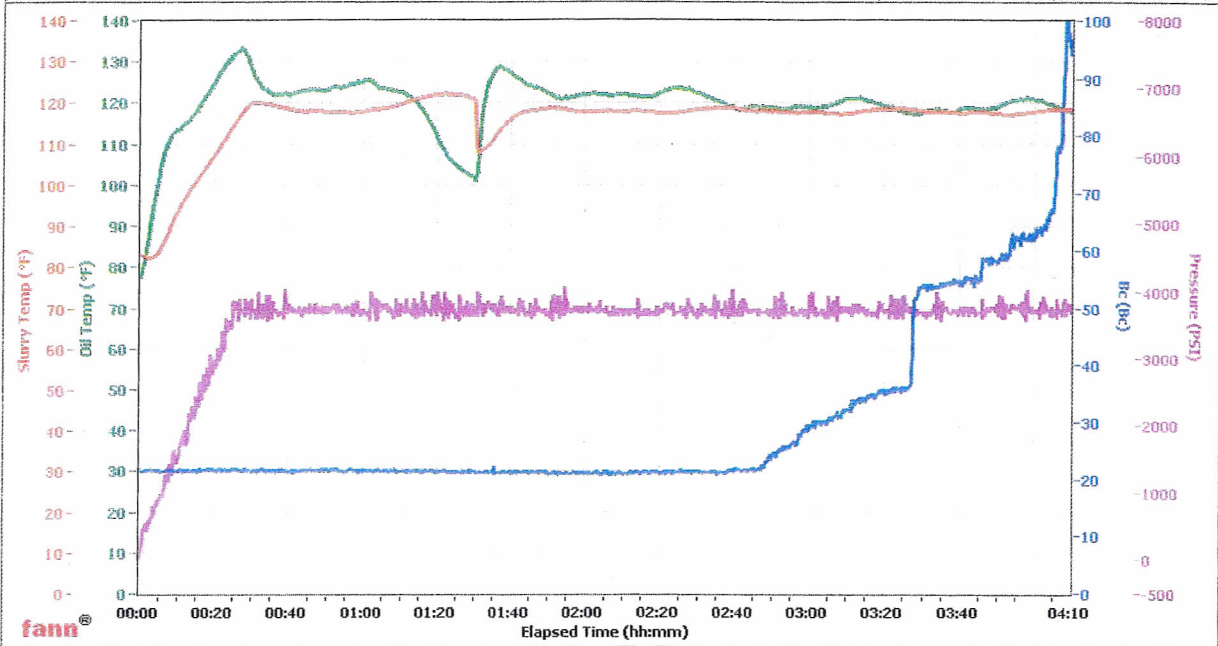
Mixability rating (0 - 5)

5

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Vernal

Fields	Values	Fields	Values	Events	Results
Project Name	Chevron 174676-1	Job Type	Production Liner	30.00 Bc	03h:01m
Test ID	174676-1	Cement Type	G	50.00 Bc	03h:28m
Request ID	6	Cement Weight	Light Weight	60.00 Bc	03h:53m
Tested by	Brian	Test Date	09/06/11	70.00 Bc	04h:05m
Customer	Chevron	Test Time	06:25 PM	100.00 Bc	04h:08m
Well No	AC McLaughlin 32	Temp. Units	degF	200.00 Bc	NaN
Rig	Workover	Pressure Units	PSI	01h:29m	21.39
Casing/Liner Size	5.5			06h:00m	NaN



Data File Z:\HPHT Data Files\Vernal Consistometer #6\Chevron 174676-1.tdms

Comments 50/50 G + Poz, 0.3% HR-800, density - 13.5, yield - 1.46

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The Road to Excellence Starts with Safety

Sold To #: 338668	Ship To #: 338668	Quote #:	Sales Order #: 8453030
Customer: CHEVRON - MID-CONTINENT EBIZ	Customer Rep:		
Well Name: AC McLaughlin	Well #: 32	API/UWI #: 05-103-05812	
Field: RANGELY WEBER SAND UNIT	City (SAP): HOUSTON	County/Parish: Rio Blanco	State: Colorado

Legal Description: Section 25 Township 02N Range 102W

Contractor: WORKOVER Rig/Platform Name/Num: WORKOVER

Job Purpose: Cement Production Casing

Well Type: Development Well Job Type: Cement Production Casing

Sales Person: SPENCER, WESTON Srvc Supervisor: DEAN, MARK MBU ID Emp #: 454214

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BEREECE, TERRY Lee	5	222819	DEAN, MARK Christophe	5	454214	FUCHS, ERIC James	5	471203
POLLOCK, PATRICK	5	494362	THOMAS, STEPHEN Troy	5	490352			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
2113	45	6496	45				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
09-07-11	5	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	6194. ft	BHST		On Location	07 - Sep - 2011	07:00	MST
Job depth MD		Job Depth TVD		Job Started	07 - Sep - 2011	08:44	MST
Water Depth		Wk Ht Above Floor		Job Completed	07 - Sep - 2011	10:25	MST
Perforation Depth (MD)	From	To		Departed Loc	07 - Sep - 2011	11:45	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
5-1/2" 17 #/ft	Unknown		5.5	4.892	17.			.	6192.		
7 in. 23 #/ft, J-55	Used		7.	6.366	23.		J-55	.	6194.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1	Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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HALLIBURTON***Cementing Job Summary***

1	Fresh Water		30	bbl	8.34	.0	.0	.0	
2	BondCem V1	BONDCEM (TM) SYSTEM (452977)	270	sacks	13.5	1.46	6.99		6.99
	6.99 Gal	FRESH WATER							
3	Displacement		142.24	bbl	10.			.0	
Calculated Values		Pressures		Volumes					
Displacement	142.24	Shut In: Instant		Lost Returns	0	Cement Slurry	70.21	Pad	
Top Of Cement	Surface	5 Min		Cement Returns	4	Actual Displacement	143	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	243
Rates									
Circulating		Mixing	5	Displacement	6	Avg. Job			5
Cement Left In Pipe	Amount	45 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

The Road to Excellence Starts with Safety

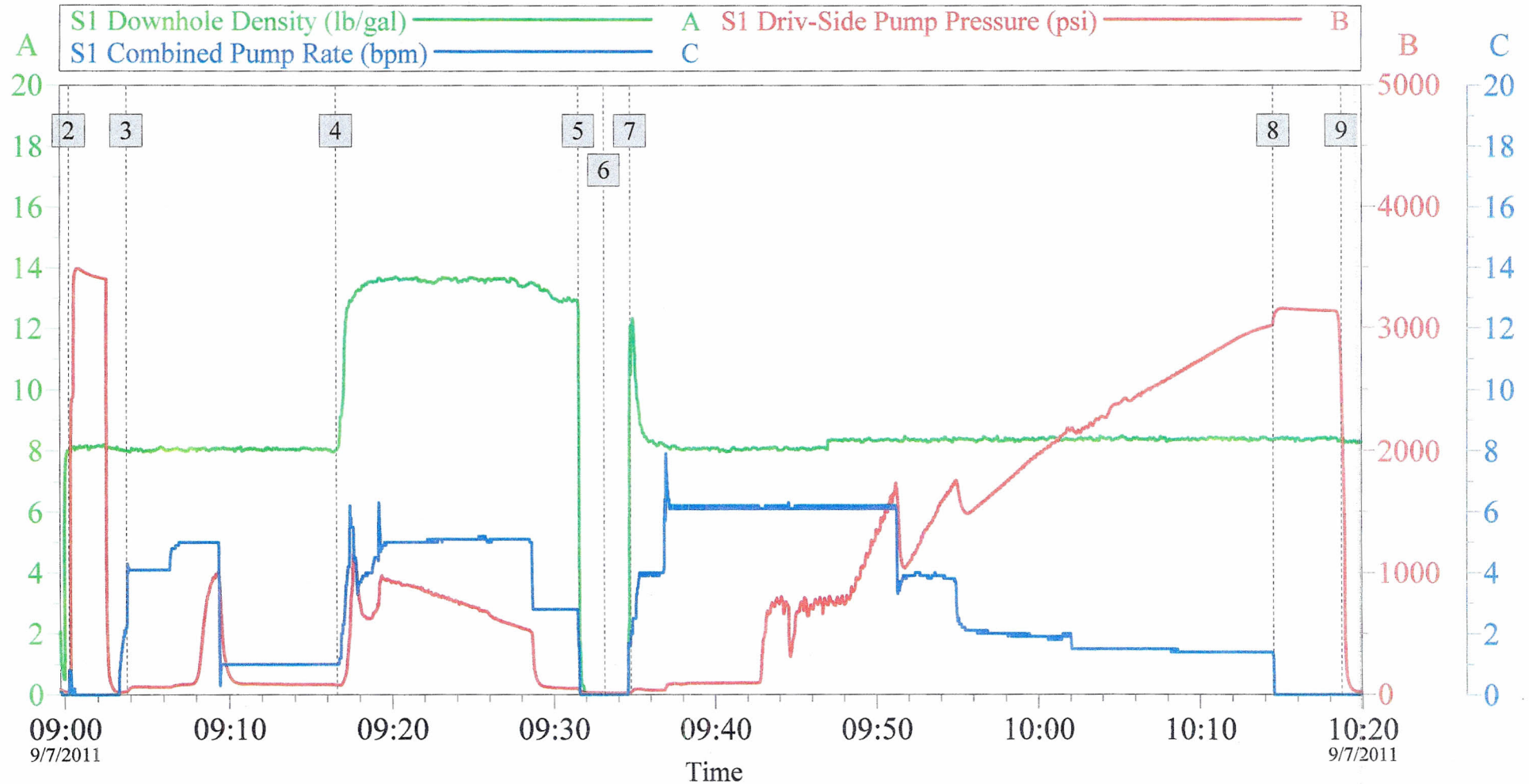
Sold To #: 338668	Ship To #: 338668	Quote #:	Sales Order #: 8453030
Customer: CHEVRON - MID-CONTINENT EBIZ		Customer Rep: Brent Swank	
Well Name: AC McLaughlin		Well #: 32	API/UWI #: 05-103-05812
Field: RANGELY WEBER SAND UNIT	City (SAP): HOUSTON	County/Parish: Rio Blanco	State: Colorado
Legal Description: Section 25 Township 02N Range 102W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: WORKOVER		Rig/Platform Name/Num: WORKOVER	
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: SPENCER, WESTON		Srvs Supervisor: DEAN, MARK	MBU ID Emp #: 454214

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/07/2011 02:00							
Pre-Convoy Safety Meeting	09/07/2011 03:15							
Depart from Service Center or Other Site	09/07/2011 03:30							
Arrive At Loc	09/07/2011 07:30							
Safety Meeting - Assessment of Location	09/07/2011 07:45							
Pre-Rig Up Safety Meeting	09/07/2011 07:50							
Rig-Up Equipment	09/07/2011 07:55							
Rig-Up Completed	09/07/2011 08:30							
Pre-Job Safety Meeting	09/07/2011 08:35							
Pressure Test	09/07/2011 08:44							Pressure tested lines to 3000 psi, no leaks
Pump Spacer 1	09/07/2011 08:48		5	30			80.0	Established Circulation
Pump Lead Cement	09/07/2011 09:00		5	70.21			950.0	(270 sks) at 13.5#/gal 1.46 Yield 6.99 gal/sks 3% Bentonite - 0.3% HR-800 - 5% Microbond
Shutdown	09/07/2011 09:30							Finished pumping Cement. Prepared to Start washing pumps on top of 5.5" HWE top plug, As per Company Man's Request
Drop Top Plug	09/07/2011 09:31							

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	09/07/2011 09:33		6	10			90.0	Fresh Water
Slow Rate	09/07/2011 09:52		4	100			1100. 0	
Slow Rate	09/07/2011 09:58		2	112			1500. 0	
Slow Rate	09/07/2011 10:04		1.5	125			2140. 0	
Bump Plug	09/07/2011 10:20		1.5	142.2 4			2950. 0	Pressured over 200 psi to 3200 psi as per Company Man Request
Check Floats	09/07/2011 10:22							Checked Floats Back to Truck. Floats held with 1.5 bbl back to truck
Safety Meeting - Pre Rig-Down	09/07/2011 10:25							
Rig-Down Equipment	09/07/2011 10:35							
Rig-Down Completed	09/07/2011 11:30							
Pre-Convoy Safety Meeting	09/07/2011 11:35							
Depart Location for Service Center or Other Site	09/07/2011 11:45							

Chevron 5.5 Liner

09-07-2011



Global Event Log

2	Test Lines	09:00:17	3	Circulate Well	09:03:47	4	Pump Cement	09:16:36
5	Shutdown	09:31:35	6	Drop Top Plug	09:33:09	7	Pump Displacement	09:34:46
8	Bump Plug	10:14:31	9	Check Floats	10:18:43			

Customer: Chevron
Well Description: AC McLaughlin

Job Date: 07-Sep-2011
Well #: 32

Sales Order #: 8453030

CptiCem v6.4.10
07-Sep-11 10:47