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# **OXY GRAND JUNCTION EBUSINESS**

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**Cascade Creek 697-04-59B  
GRAND VALLEY  
Garfield County , Colorado**

**Cement Surface Casing**  
**28-Mar-2012**

**Post Chart Report**

## The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 344034	Quote #:	Sales Order #: 9340327
Customer: OXY GRAND JUNCTION EBUSINESS	Customer Rep: Deerman, Adrian		
Well Name: Cascade Creek	Well #: 697-04-59B	API/UWI #: 05-045-20724	
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Lat: N 39.549 deg. OR N 39 deg. 32 min. 55.932 secs.	Long: W 108.23 deg. OR W -109 deg. 46 min. 11.604 secs.		
Contractor: OXY	Rig/Platform Name/Num: H&P 330		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: HIMES, JEFFREY	Srvc Supervisor: STILLSON, ERIC	MBU ID Emp #: 393789	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	24	371353	CHASTAIN, DERICK Allan	24	455848	SIMINEO, JEROD M	24	479954
STILLSON, ERIC W	24	393789						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10784080	120 mile	10804579	120 mile	10867322	120 mile	10872429	120 mile
10951247	120 mile	10998512	120 mile	11360883	120 mile	4904	120 mile
6374L	120 mile						

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
03-27-12	4	1	03-28-12	20	7			
TOTAL			Total is the sum of each column separately					

### Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To
				BHST	2715. ft				
					Job Depth TVD	3. ft			
					Wk Ht Above Floor				

### Job Times

Date	Time	Time Zone
27 - Mar - 2012	14:30	MST
27 - Mar - 2012	19:30	MST
27 - Mar - 2012	22:47	MST
28 - Mar - 2012	18:34	MST
28 - Mar - 2012	20:30	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
OPEN HOLE				14.75				.	2715.		
SURFACE CASING	Unknown		9.625	8.921	36.			.	2664.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	
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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		10.00	bbl	8.33	.0	.0	4.0	
2	Gel Water Spacer		20.00	bbl	8.34	.0	.0	6.0	
0.25 gal/bbl		LGC-36 UC, BULK (101582749)							
3	Fresh Water Spacer		10.00	bbl	8.33	.0	.0	6.0	
4	Lead Cement	HALCEM (TM) SYSTEM (452986)	1150.0	sacks	12.3	2.15	11.83	6.0	11.83
11.83 Gal		FRESH WATER							
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	170.0	sacks	12.8	2.07	10.67	6.0	10.67
10.67 Gal		FRESH WATER							
6	Fresh Water Displacement		202.00	bbl	8.34	.0	.0	6.0	
Calculated Values		Pressures		Volumes					
Displacement	202.3	Shut In: Instant		Lost Returns	ALL	Cement Slurry	805	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	5	Actual Displacement	202.3	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	
Rates									
Circulating	RIG	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	47.4 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*

<b>Sold To #:</b> 344034	<b>Ship To #:</b> 344034	<b>Quote #:</b>	<b>Sales Order #:</b> 9340327
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Customer Rep:</b> Deerman, Adrian	
<b>Well Name:</b> Cascade Creek		<b>Well #:</b> 697-04-59B	<b>API/UWI #:</b> 05-045-20724
<b>Field:</b> GRAND VALLEY	<b>City (SAP):</b> ADDISON	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 39.549 deg. OR N 39 deg. 32 min. 55.932 secs.		<b>Long:</b> W 108.23 deg. OR W -109 deg. 46 min. 11.604 secs.	
<b>Contractor:</b> OXY		<b>Rig/Platform Name/Num:</b> H&P 330	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> HIMES, JEFFREY		<b>Srv Supervisor:</b> STILLSON, ERIC	<b>MBU ID Emp #:</b> 393789

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/27/2012 14:30							
Pre-Convoy Safety Meeting	03/27/2012 17:00							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Arrive At Loc	03/27/2012 19:30							RIG RUNNING CASING.
Assessment Of Location Safety Meeting	03/27/2012 20:00							REVIEWED EMERGENCY PLAN, ASSESSED WORK AREA AND SPOTTED EQUIPMENT.
Pre-Rig Up Safety Meeting	03/27/2012 20:25							ENTIRE CREW, WALKED THROUGH RIG UP LOOKING FOR HAZARDS.
Rig-Up Equipment	03/27/2012 20:30							1 PICK UP, 1 HT400 PUMP TRUCK, 1 660 BULK CEMENT TRUCK, 2 BULK CEMENT SILOS, 1 QUICK LATCH HEAD WITH PLUG. JOB PUMPED OFFLINE IN CELLAR.
Pre-Job Safety Meeting	03/27/2012 22:20							ENTIRE CREW, CO REP AND RIG CREW.
Start Job	03/27/2012 22:47							TD 2715 TP 2664 SJ 47.39 FC 2616.61 MW 9.0 PPG, 9 5/8 36# CASING IN 14 3/4 HOLE, PARASITE SET AT 2437. YP 18 , PV 11, TEMP 120.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Water	03/27/2012 22:48		2	2			22.0	FILL LINES BEFORE TESTING
Pressure Test	03/27/2012 22:51		0.5	0.1			3235.0	HELD PRESSURE FOR 2 MIN, PRESSURE HELD, NO LEAKS.
Pump Spacer 1	03/27/2012 22:55		4	10			75.0	FRESH WATER, PREMIXED CEMENT TUB AND WEIGHED WITH SCALES.
Pump Spacer 2	03/27/2012 22:58		6	20			90.0	GEL SPACER, 20 BBLS WATER WITH 5 GAL LGC.
Pump Spacer 1	03/27/2012 23:02		6	10			75.0	FRESH WATER
Pump Lead Cement	03/27/2012 23:04		6	436			375.0	1150 SKS HALCEM, 12.3 PPG, 2.15 CUFT/SK, 11.83 GAL/SK, 7 BOXES TUFF FIBER MIXED IN DOWNHOLE SIDE OF TUB ON THE FLY. SPED RATE TO 8 BPM FROM 50 TO 60 BBLS GONE PER CO REP, THEN BACK TO 6 BPM. SLOWED TO 4.5 BPM BEFORE SWAP TO TAIL.
Pump Tail Cement	03/28/2012 00:16		6	69.7			235.0	170 SKS VERSACEM, 12.8 PPG, 2.07 CUFT/SK, 10.67 GAL/SK, SLOWED RATE TO 4.5 BPM THE LAST FEW BBLS.
Shutdown	03/28/2012 00:28							
Drop Top Plug	03/28/2012 00:29							VARIFIED PLUG LEFT CONTAINER.
Pump Displacement	03/28/2012 00:30		6	202.3			315.0	FRESH WATER, SPED RATE TO 8 BPM FROM 10 TO 77 BBLS GONE AND FROM 100 TO 160 BBLS GONE PER CO REP.
Slow Rate	03/28/2012 00:57		2	192			150.0	SLOWED RATE TO 2 BPM TO BUMP PLUG.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	03/28/2012 01:02		2	202.3			650.0	PLUG LANDED AT 150 PSI, BUMPED UP TO 650 PSI AND HELD FOR 5 MIN PER CO REP.
Check Floats	03/28/2012 01:07							FLOATS HELD, WHEN RELEASED PRESSURE GOT 1 BBL OF WATER BACK TO TRUCK.
Comment	03/28/2012 01:08							NO RETURNS ENTIRE JOB.
Pressure Up	03/28/2012 01:10		1	1			1500.0	PRESSURE UP TO 1500 PSI TO TEST CASING.
Release Casing Pressure	03/28/2012 01:40							RELEASED PRESSURE, GOOD TEST
Safety Huddle	03/28/2012 01:42							SWAP IRON TO PUMP THROUGH PARASITE.
Pump Water	03/28/2012 01:56		2	10			700.0	10 BBLS WATER WITH 10 LBS SUAR PUMPED TO CLEAR PARASITE, CAUGHT PRESSURE AT 6 BBLS GONE.
Shutdown	03/28/2012 02:03							PARASITE CLEAR.
Safety Huddle	03/28/2012 02:15							RIG UP TO TOPOUT. USED TOPOUT FROM SILO APPROX 376 SKS REMAINING FROM PREVIOUS WELL, IT WAS CHARGED ON THAT TICKET.
Pump Cement	03/28/2012 02:25		3	40			140.0	APPROX 114 SKS TOPOUT CEMENT, 12.5 PPG, 1.97 CUFT/SK, 10.96 GAL/SK.
Shutdown	03/28/2012 02:39							NO CEMENT TO SURFACE, WAIT TO TOPOUT.
Pump Cement	03/28/2012 04:51		3	38			130.0	APPROX 108 SKS TOPOUT CEMENT, 12.5 PPG, 1.97 CUFT/SK, 10.96 GAL/SK.

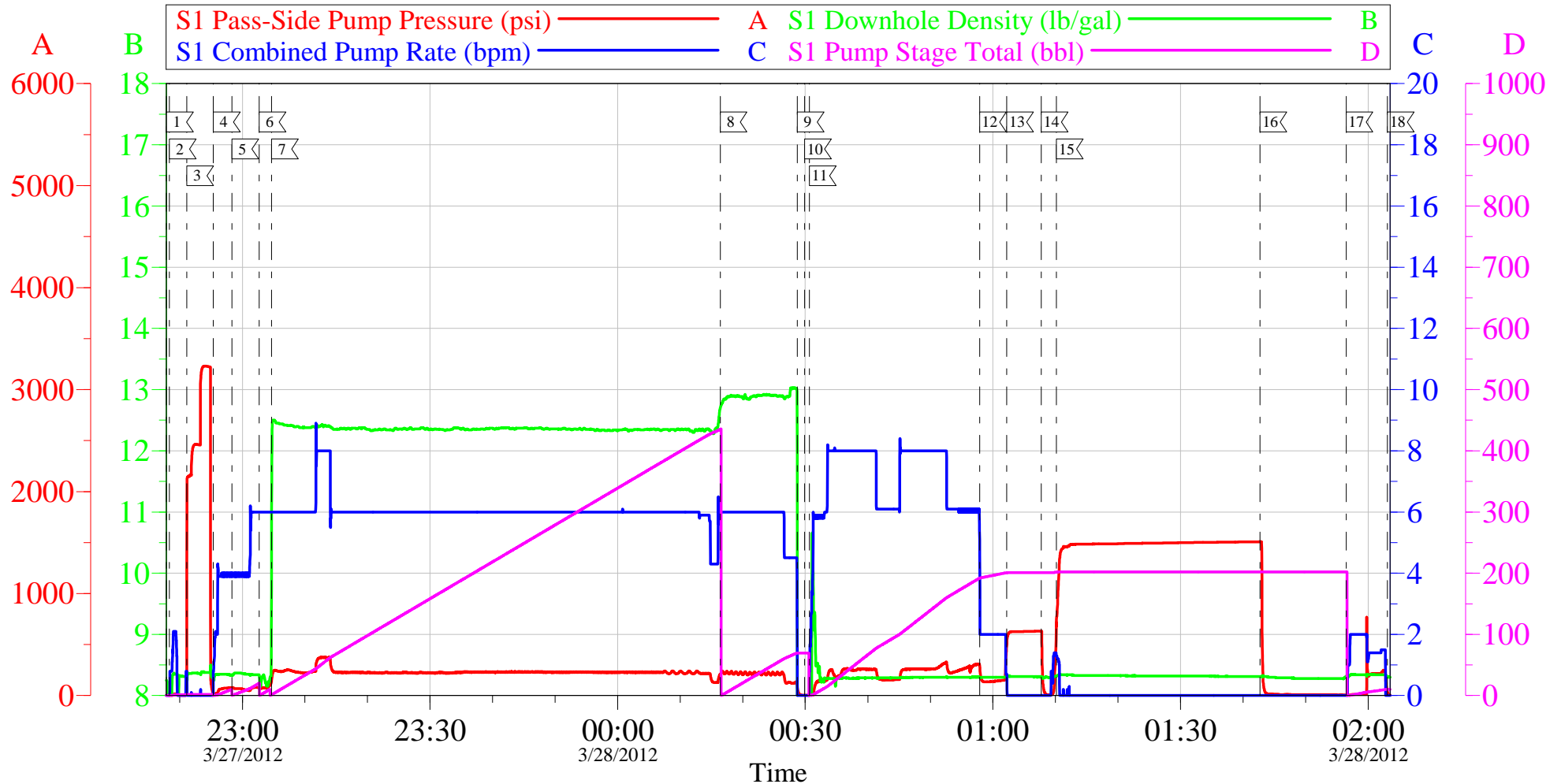
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	03/28/2012 05:04							NO CEMENT TO SURFACE, WAIT TO TOPOUT.
Pump Cement	03/28/2012 07:19		3.5	54			155.0	APPROX 154 SKS TOPOUT CEMENT, 12.5 PPG, 1.97 CUFT/SK, 10.96 GAL/SK.
Shutdown	03/28/2012 07:34							NO CEMENT TO SURFACE, WAIT TO TOPOUT.
Comment	03/28/2012 07:35							WAIT FOR MORE TOPOUT TO ARRIVE, 500 SKS TOPOUT ARRIVED AT 12:30. BLEW INTO SILO. ADDED TO TICKET.
Pump Cement	03/28/2012 13:27		3.5	70			180.0	APPROX 200 SKS TOPOUT CEMENT, 12.5 PPG, 1.97 CUFT/SK, 10.96 GAL/SK.
Shutdown	03/28/2012 13:47							NO CEMENT TO SURFACE, WAIT TO TOPOUT.
Pump Cement	03/28/2012 13:55		3.5	71			180.0	APPROX 204 SKS TOPOUT CEMENT, 12.5 PPG, 1.97 CUFT/SK, 10.96 GAL/SK. CEMENT RETURNS TO SURFACE AT 62 BBLS GONE, THEN WE HESITATED 3 TIMES WITH THE REMAINING 9 BBLS, CEMENT FALLING BACK
Shutdown	03/28/2012 13:55							CEMENT WAS FALLING BACK, WAIT TO TOPOUT.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Cement	03/28/2012 18:22		3.5	29			190.0	APPROX 83 SKS TOPOUT CEMENT, 12.5 PPG, 1.97 CUFT/SK, 10.96 GAL/SK, CEMENT TO SURFACE AT 26 BBLS GONE, HESITATED WITH THE OTHER 3 BBLS WHILE CEMENT FALLING SLOWLY
Shutdown	03/28/2012 18:34							5 BBLS CEMENT TO SURFACE, USED 40 LBS SUGAR TOTAL.
End Job	03/28/2012 18:35							
Post-Job Safety Meeting (Pre Rig-Down)	03/28/2012 18:40							ENTIRE CREW
Rig-Down Equipment	03/28/2012 19:00							
Pre-Convoy Safety Meeting	03/28/2012 20:25							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Crew Leave Location	03/28/2012 20:30							THANK YOU FOR USING HALLIBURTON, ERIC STILLSON AND CREW.



# OXY - CC 697-04-59B

9 5/8" SURFACE



## Local Event Log

1 START JOB	3/27/2012 22:47:52	2 FILL LINES	3/27/2012 22:48:21	3 PRESSURE TEST	3/27/2012 22:51:08
4 PUMP WATER SPACER	3/27/2012 22:55:22	5 PUMP GEL SPACER	3/27/2012 22:58:20	6 PUMP WATER SPACER	3/27/2012 23:02:42
7 PUMP LEAD CEMENT	3/27/2012 23:04:40	8 PUMP TAIL CEMENT	3/28/2012 00:16:25	9 SHUTDOWN	3/28/2012 00:28:43
10 DROP PLUG	3/28/2012 00:29:53	11 PUMP DISPLACEMENT	3/28/2012 00:30:40	12 SLOW RATE	3/28/2012 00:57:52
13 BUMP PLUG	3/28/2012 01:02:12	14 CHECK FLOATS	3/28/2012 01:07:45	15 CASING TEST	3/28/2012 01:10:09
16 RELEASE PRESSURE	3/28/2012 01:42:43	17 CLEAR PARASITE	3/28/2012 01:56:29	18 SHUTDOWN	3/28/2012 02:03:04

Customer: OXY  
Well Description: CC 697-04-59B  
Company Rep: ADRIAN DEERMAN

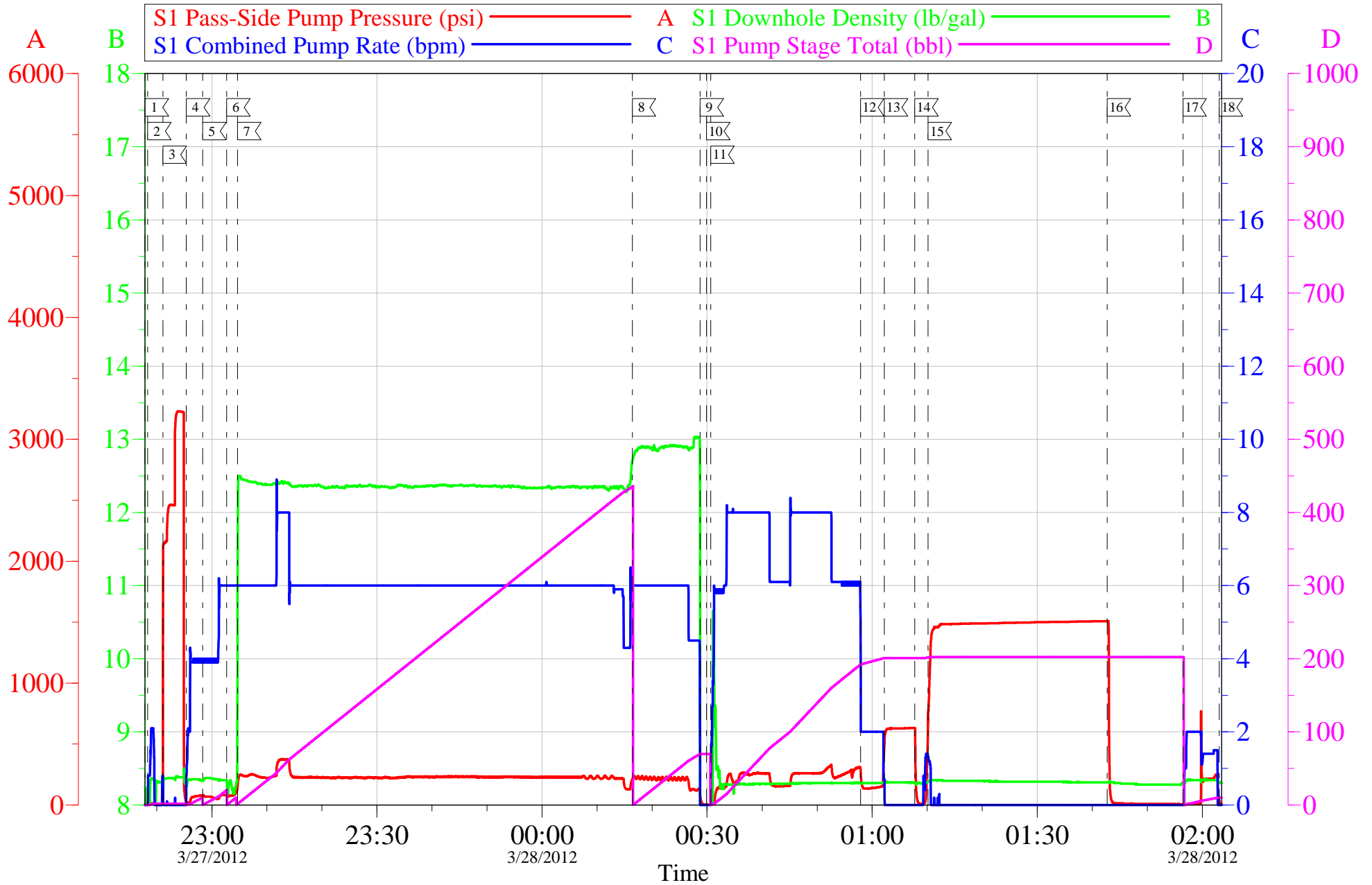
Job Date: 27-Mar-2012  
Job Type: SURFACE  
Cement Supervisor: ERIC STILLSON

Sales Order #: 9340327  
ADC Used: YES  
Elite #7: BRENT BANKS

OptiCem v6.4.10  
28-Mar-12 03:05

# OXY - CC 697-04-59B

9 5/8" SURFACE

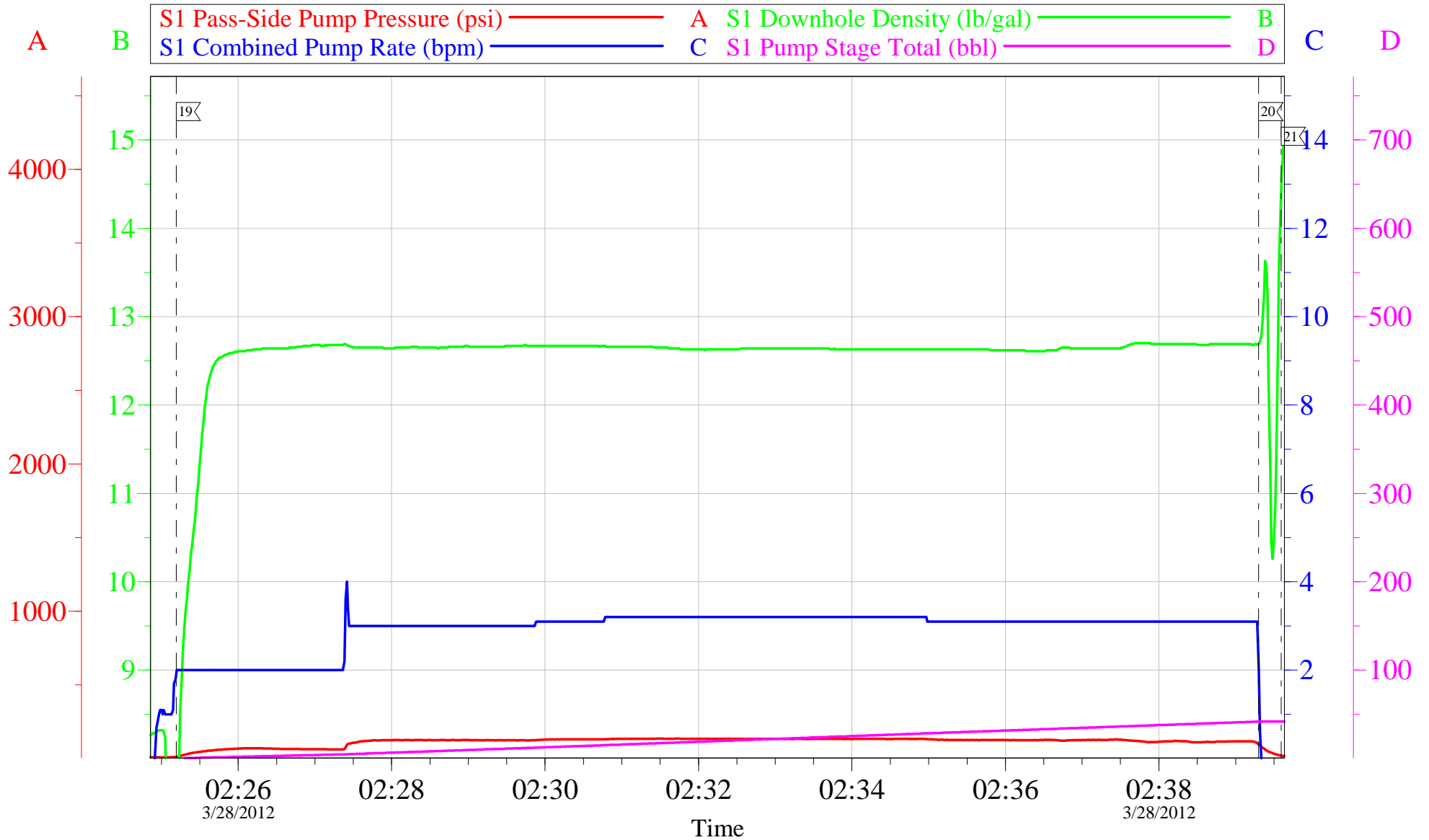


Customer: OXY	Job Date: 27-Mar-2012	Sales Order #: 9340327
Well Description: CC 697-04-59B	Job Type: SURFACE	ADC Used: YES
Company Rep: ADRIAN DEERMAN	Cement Supervisor: ERIC STILLSON	Elite #7: BRENT BANKS

OptiCem v6.4.10  
28-Mar-12 03:10

# OXY - CC 697-04-59B

TOPOUT #1

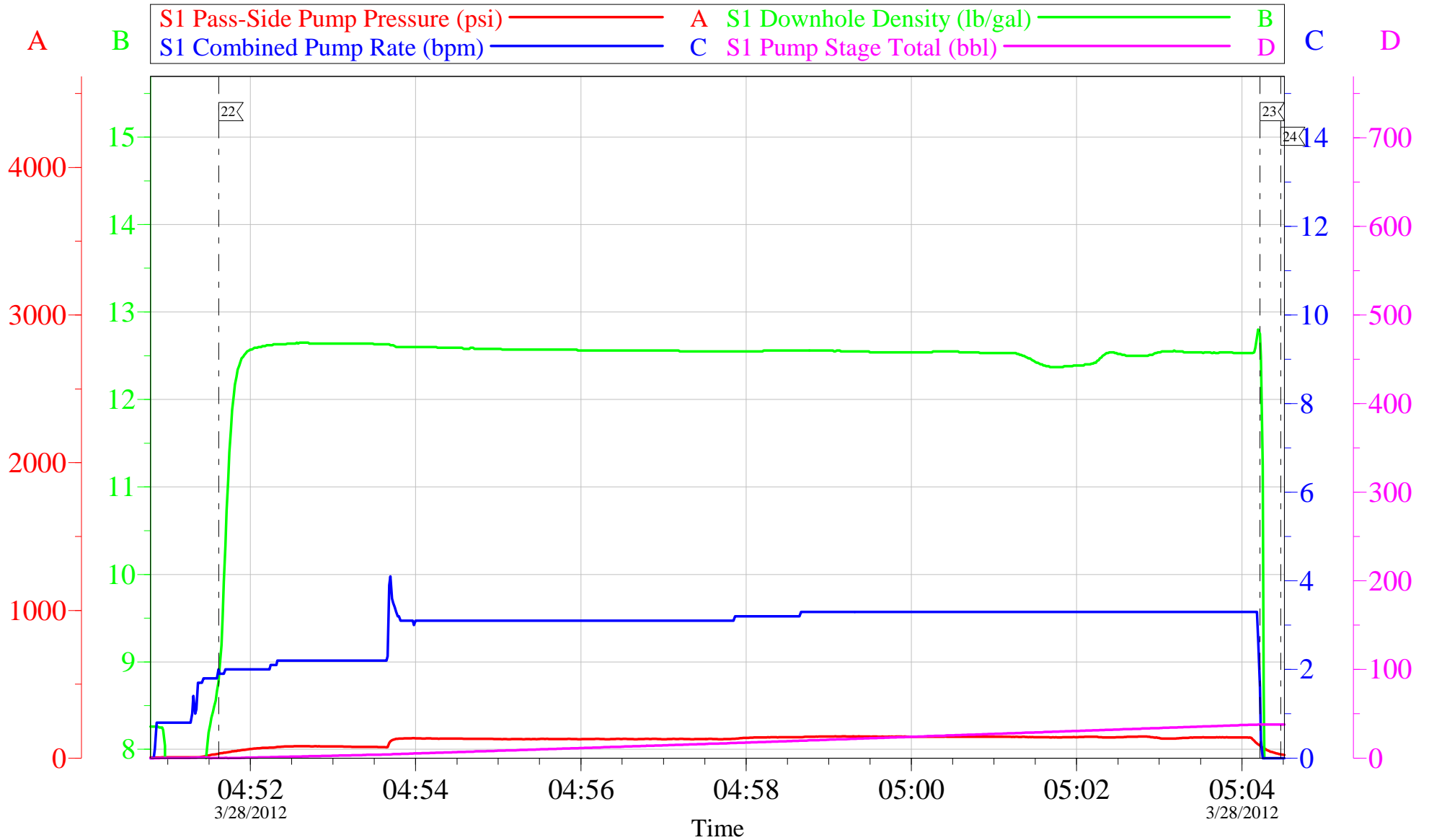


Customer: OXY	Job Date: 27-Mar-2012	Sales Order #: 9340327
Well Description: CC 697-04-59B	Job Type: SURFACE	ADC Used: YES
Company Rep: ADRIAN DEERMAN	Cement Supervisor: ERIC STILLSON	Elite #7: BRENT BANKS

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# OXY - CC 697-04-59B

TOPOUT #2

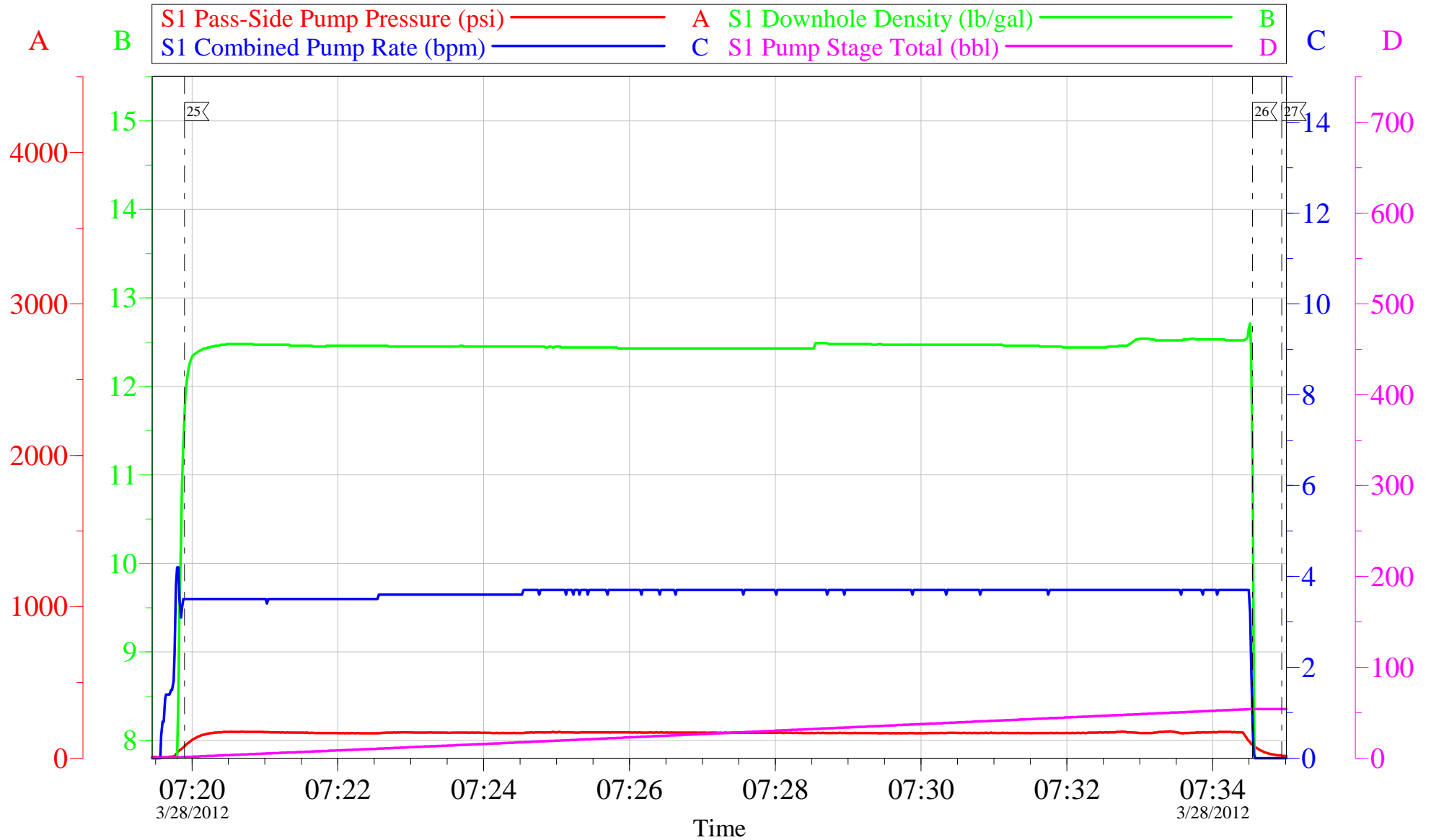


Customer: OXY	Job Date: 27-Mar-2012	Sales Order #: 9340327
Well Description: CC 697-04-59B	Job Type: SURFACE	ADC Used: YES
Company Rep: ADRIAN DEERMAN	Cement Supervisor: ERIC STILLSON	Elite #7: BRENT BANKS

OptiCem v6.4.10  
28-Mar-12 05:18

# OXY - CC 697-04-59B

TOPOUT #3



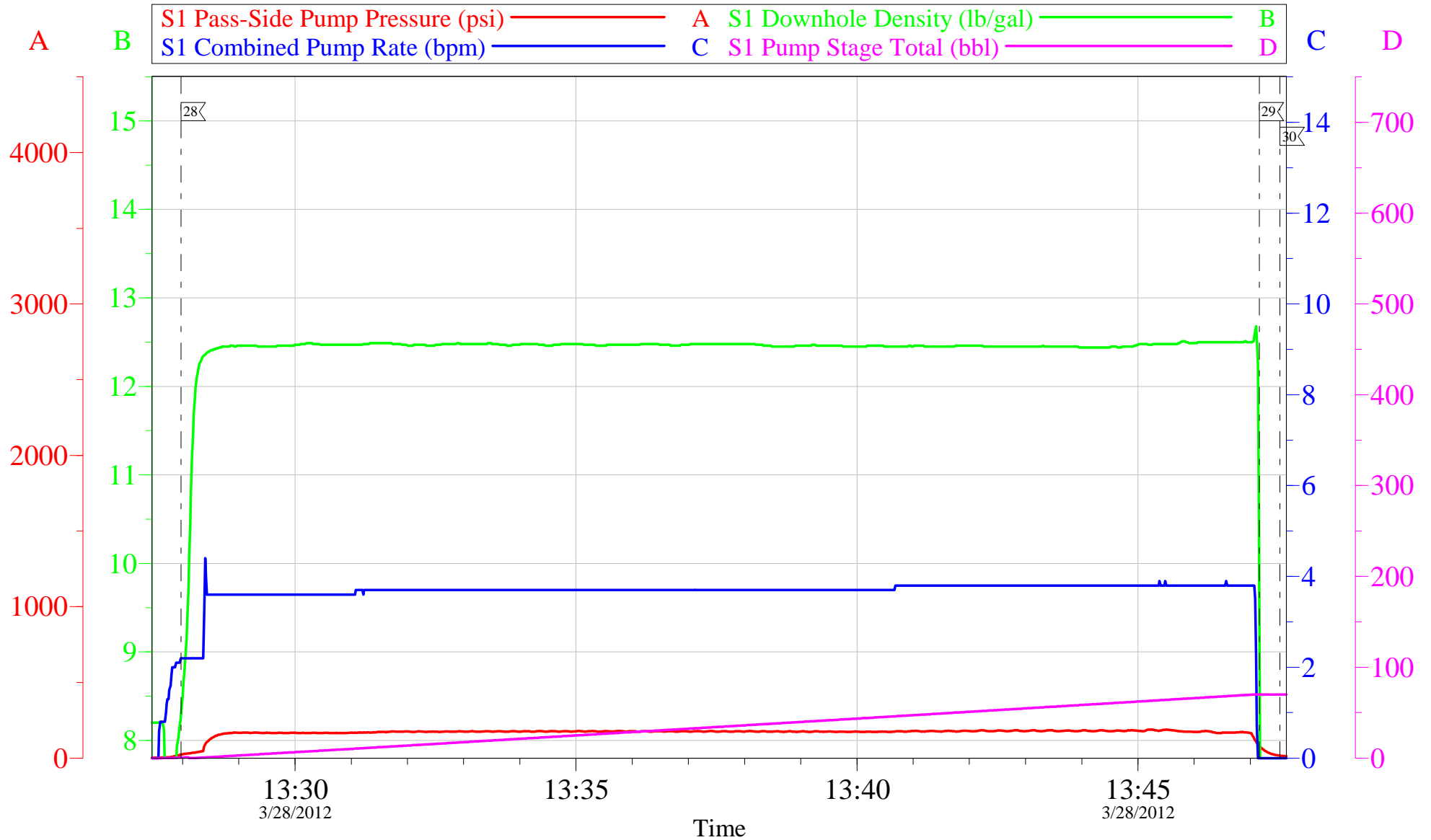
Local Event Log			
25	PUMP CEMENT	07:19:54	26
	SHUTDOWN	07:34:33	27
	WAIT TO TOPOUT	07:34:57	

Customer: OXY	Job Date: 27-Mar-2012	Sales Order #: 9340327
Well Description: CC 697-04-59B	Job Type: SURFACE	ADC Used: YES
Company Rep: ADRIAN DEERMAN	Cement Supervisor: ERIC STILLSON	Elite #7: BRENT BANKS

OptiCem v6.4.10  
28-Mar-12 07:43

# OXY - CC 697-04-59B

TOPOUT #4

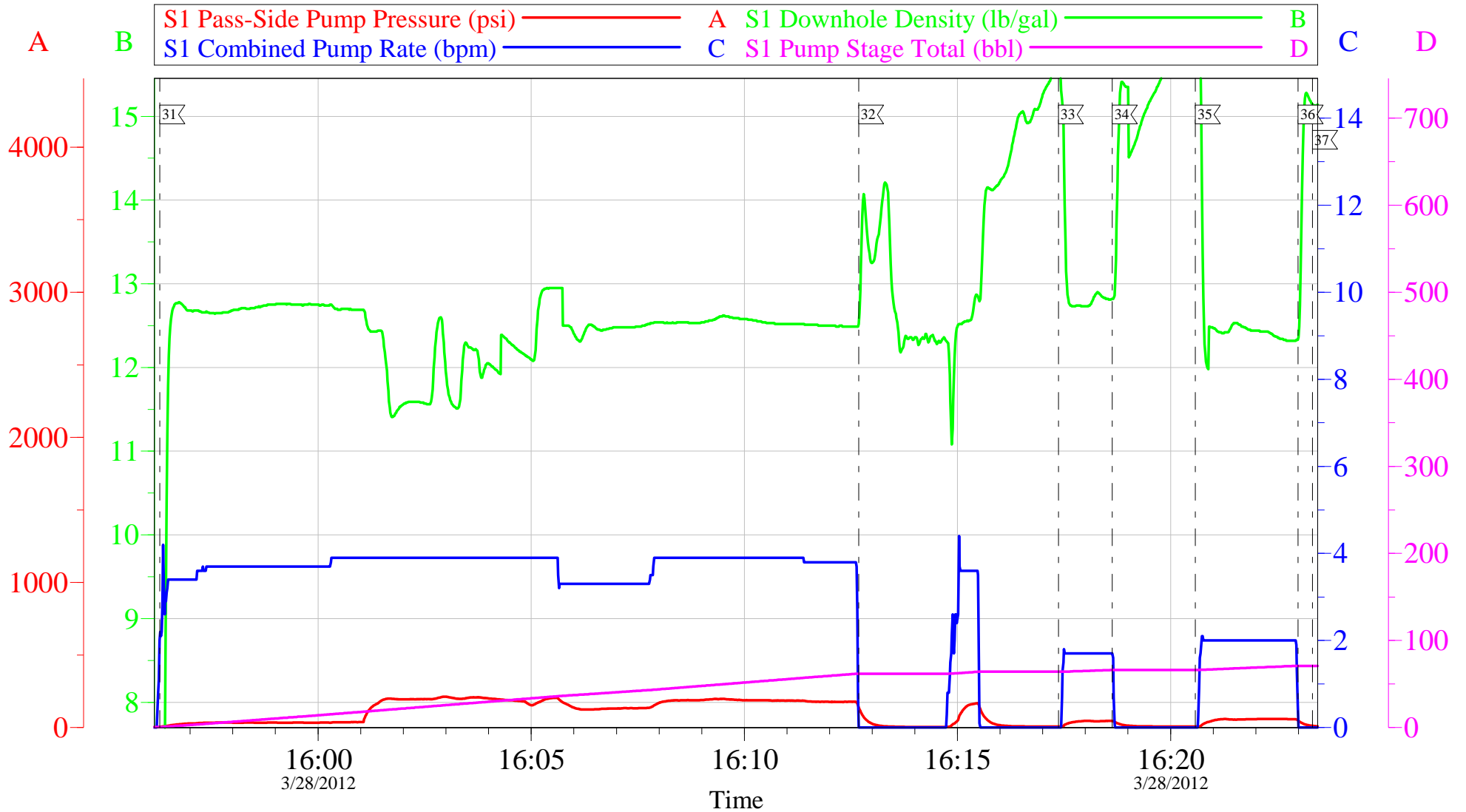


Customer: OXY	Job Date: 27-Mar-2012	Sales Order #: 9340327
Well Description: CC 697-04-59B	Job Type: SURFACE	ADC Used: YES
Company Rep: ADRIAN DEERMAN	Cement Supervisor: ERIC STILLSON	Elite #7: BRENT BANKS

OptiCem v6.4.10  
28-Mar-12 13:54

# OXY - CC 697-04-59B

TOPOUT #5



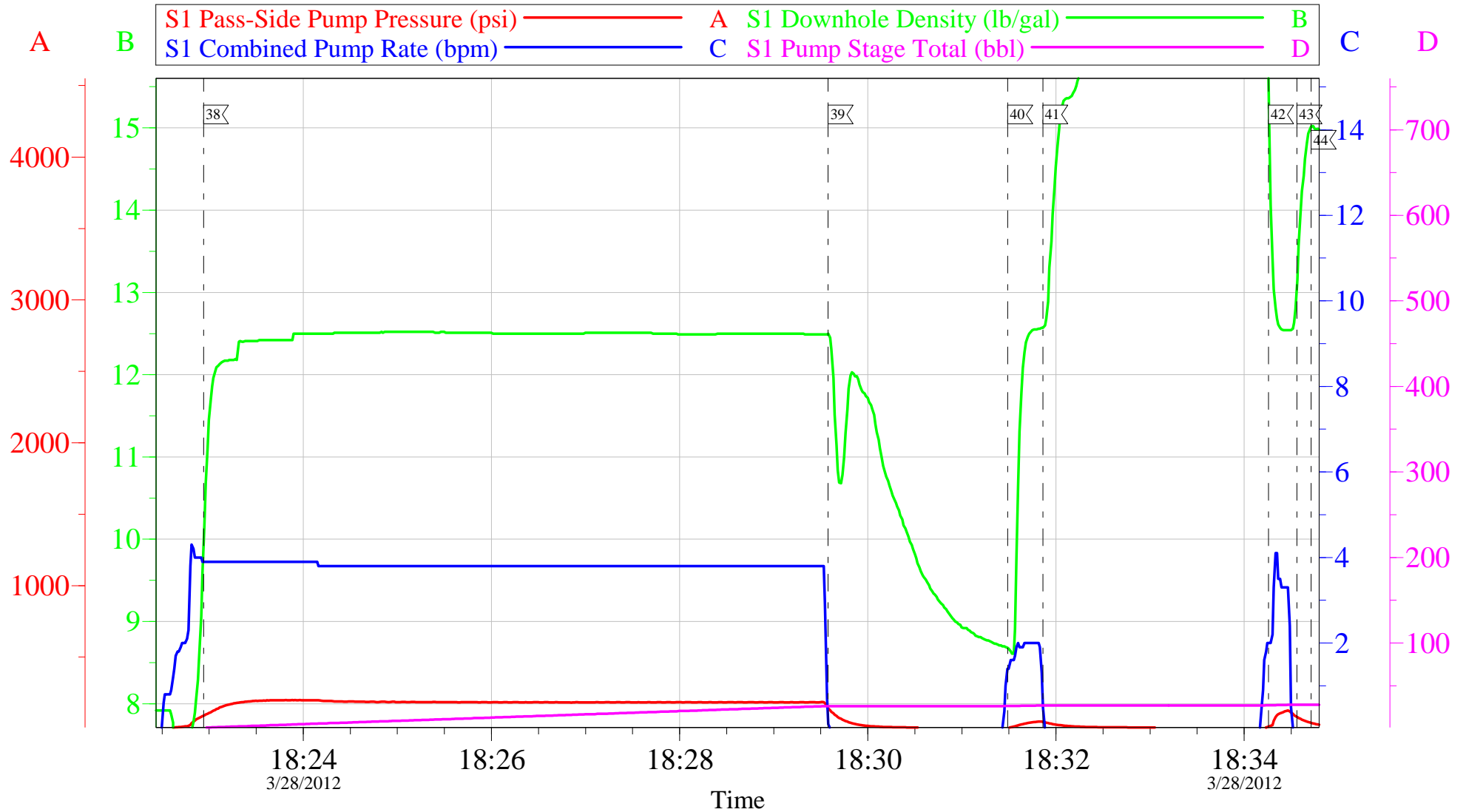
Local Event Log			
31	PUMP CEMENT	15:56:17	32 SHUTDOWN/CEMENT RETURNS 16:12:41
34	SHUTDOWN	16:18:38	35 PUMP CEMENT 16:20:35
37	WAIT TO SEE IF CEMENT FALLS	16:23:20	36 SHUTDOWN 16:22:59
			33 PUMP CEMENT 16:17:22

Customer: OXY	Job Date: 27-Mar-2012	Sales Order #: 9340327
Well Description: CC 697-04-59B	Job Type: SURFACE	ADC Used: YES
Company Rep: ADRIAN DEERMAN	Cement Supervisor: ERIC STILLSON	Elite #7: BRENT BANKS

OptiCem v6.4.10  
28-Mar-12 16:36

# OXY - CC 697-04-59B

TOPOUT #6



Local Event Log					
[38]	PUMP CEMENT	18:22:56	[39]	SHUTDOWN	18:29:35
[40]	PUMP CEMENT	18:31:29	[41]	SHUTDOWN	18:31:52
[42]	PUMP CEMENT	18:34:16	[43]	SHUTDOWN	18:34:34
[44]	END JOB	18:34:43			

Customer: OXY	Job Date: 27-Mar-2012	Sales Order #: 9340327
Well Description: CC 697-04-59B	Job Type: SURFACE	ADC Used: YES
Company Rep: ADRIAN DEERMAN	Cement Supervisor: ERIC STILLSON	Elite #7: BRENT BANKS

OptiCem v6.4.10  
28-Mar-12 18:50



# HALLIBURTON

## Water Analysis Report

Company: OXY

Submitted by: ERIC STILLSON

Attention:

Lease CC

Well # 697-04-59B

Date: 3/27/2012

Date Rec.: 3/27/2012

S.O.# 9340327

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>250</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>120</i> Mg / L
Iron (FE2)	<i>300</i>	<i>3</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>200</i> Mg / L
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<i>&lt;200</i> Mg / L
Chlorine (Cl <sub>2</sub> )		<i>0</i> Mg / L
Temp	<i>40-80</i>	<i>55</i> Deg
Total Dissolved Solids		<i>280</i> Mg / L

Respectfully: ERIC STILLSON

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or

<b>Sales Order #:</b> 9340327	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/28/2012
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b>		<b>API / UWI: (leave blank if unknown)</b> 05-045-20724
<b>Well Name:</b> Cascade Creek		<b>Well Number:</b> 697-04-59B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

### CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	3/28/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	ERIC STILLSON (HX26907)
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

<b>CUSTOMER SIGNATURE</b>
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<b>Sales Order #:</b> 9340327	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/28/2012
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b>		<b>API / UWI: (leave blank if unknown)</b> 05-045-20724
<b>Well Name:</b> Cascade Creek		<b>Well Number:</b> 697-04-59B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	3/28/2012
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	13
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	8
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	0
Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	7
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 9340327	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/28/2012
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b>		<b>API / UWI: (leave blank if unknown)</b> 05-045-20724
<b>Well Name:</b> Cascade Creek		<b>Well Number:</b> 697-04-59B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b> No	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	100
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	100
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0