
OXY GRAND JUNCTION EBUSINESS

**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						
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			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					27 - Mar - 2012	14:30	MST
Form Type			BHST	On Location	27 - Mar - 2012	19:30	MST
Job depth MD	2715. ft		Job Depth TVD	2715. ft	Job Started	27 - Mar - 2012	22:47
Water Depth			Wk Ht Above Floor	3. ft	Job Completed	28 - Mar - 2012	18:34
Perforation Depth (MD)	From		To		Departed Loc	28 - Mar - 2012	20:30

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/3rd 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 ³ /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

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
Legal Description:			
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			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HIMES, JEFFREY		Srvc Supervisor: STILLSON, ERIC	MBU ID Emp #: 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							VARIIFIED 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.

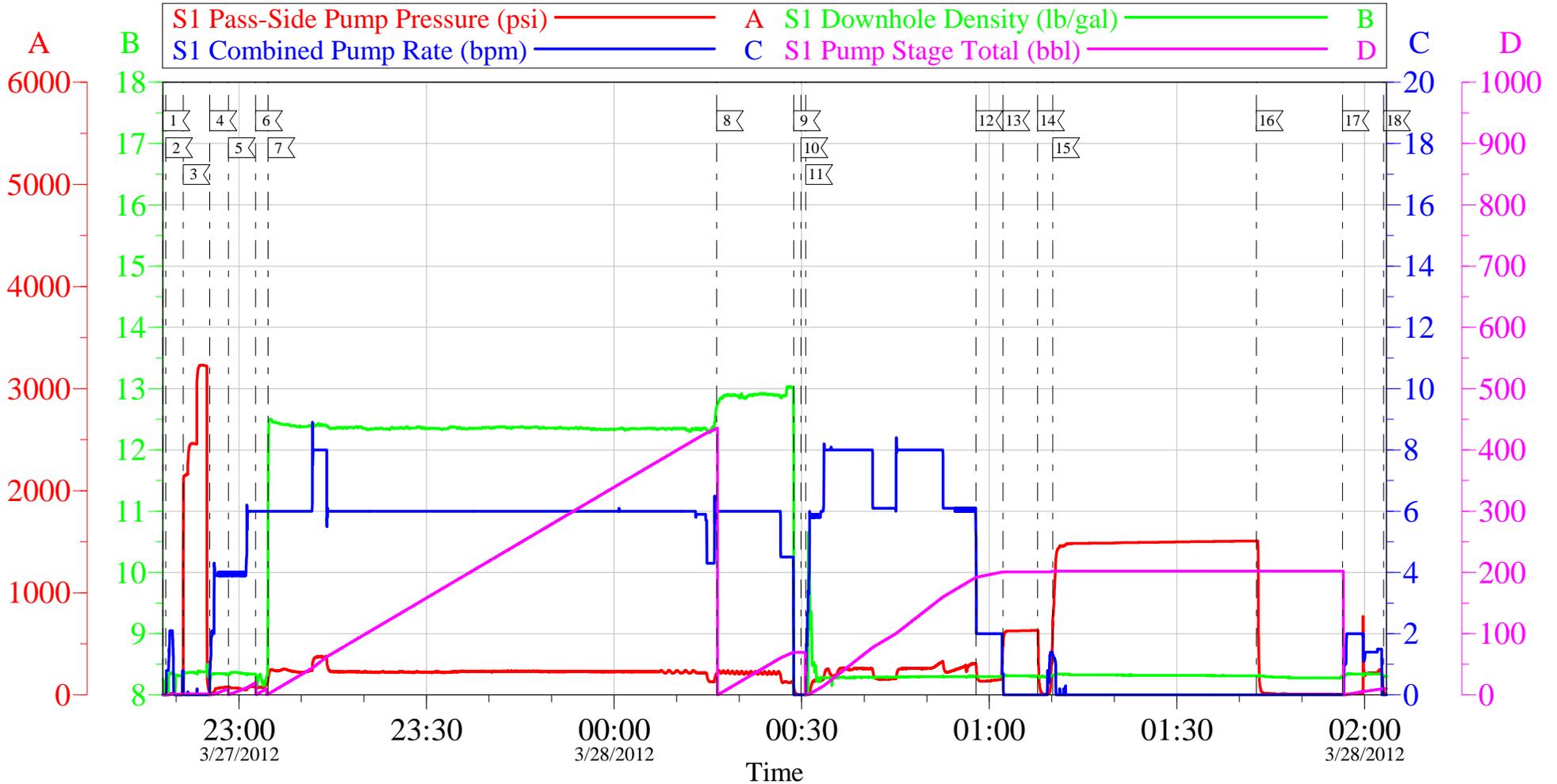
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	03/28/2012 01:02		2	202.3			650.0	PLUG LANDED AT 150 PSI, BUMPED UP TO 650 PSI AND HELD FOR 5 MIN PER CO REP.
Check Floats	03/28/2012 01:07							FLOATS HELD, WHEN RELEASED PRESSURE 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

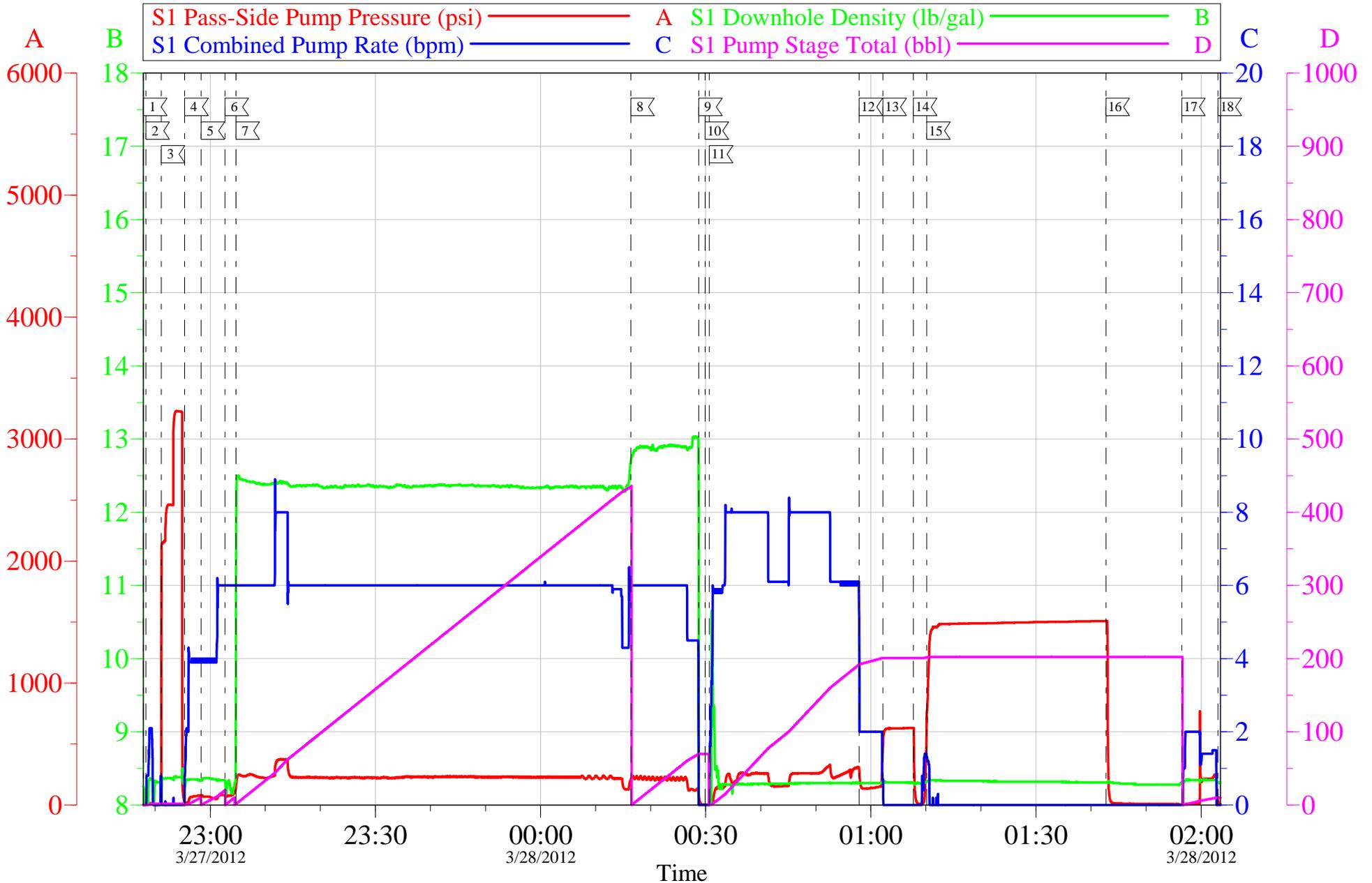


Local Event Log								
1	START JOB	3/27/2012 22:47:52	2	FILL LINES	3/27/2012 22:48:21	3	PRESSURE TEST	3/27/2012 22:51:08
4	PUMP WATER SPACER	3/27/2012 22:55:22	5	PUMP GEL SPACER	3/27/2012 22:58:20	6	PUMP WATER SPACER	3/27/2012 23:02:42
7	PUMP LEAD CEMENT	3/27/2012 23:04:40	8	PUMP TAIL CEMENT	3/28/2012 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	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

OXY - CC 697-04-59B

9 5/8" SURFACE

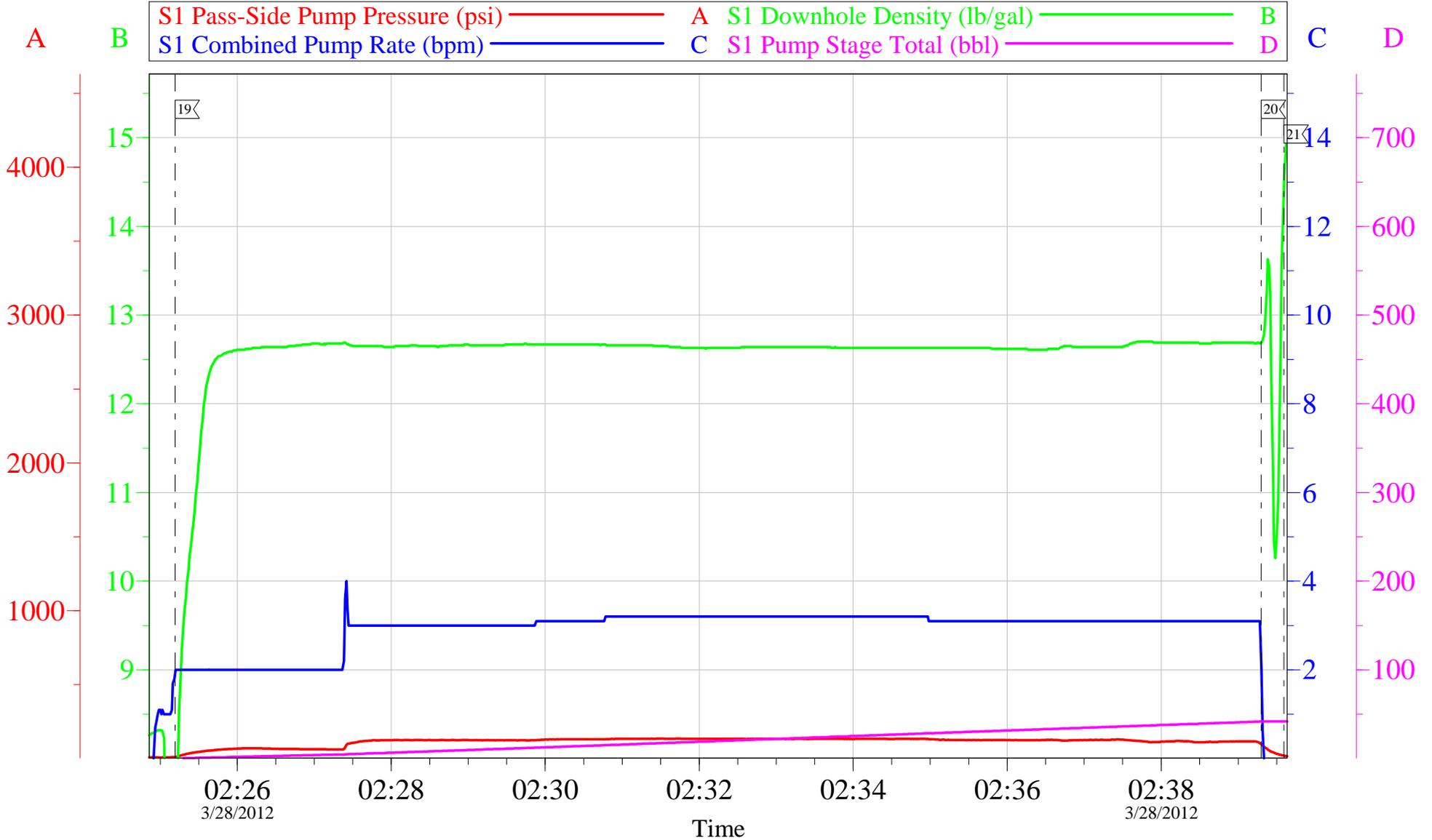


Customer: OXY	Job Date: 27-Mar-2012	Sales Order #: 9340327
Well Description: CC 697-04-59B	Job Type: SURFACE	ADC Used: YES
Company Rep: ADRIAN DEERMAN	Cement Supervisor: ERIC STILLSON	Elite #7: BRENT BANKS

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

OXY - CC 697-04-59B

TOPOUT #1

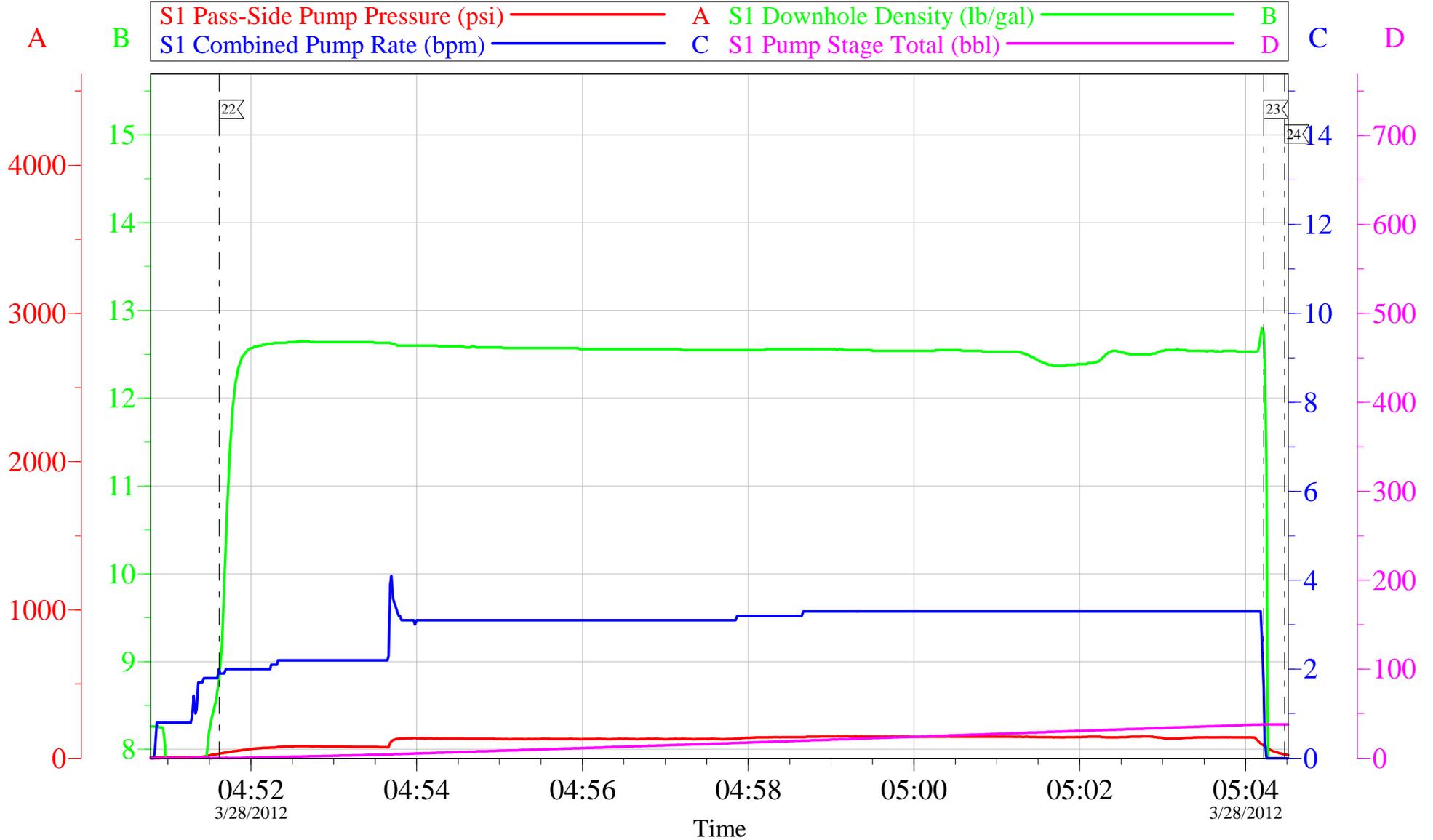


Customer: OXY	Job Date: 27-Mar-2012	Sales Order #: 9340327
Well Description: CC 697-04-59B	Job Type: SURFACE	ADC Used: YES
Company Rep: ADRIAN DEERMAN	Cement Supervisor: ERIC STILLSON	Elite #7: BRENT BANKS

OptiCem v6.4.10
28-Mar-12 03:13

OXY - CC 697-04-59B

TOPOUT #2

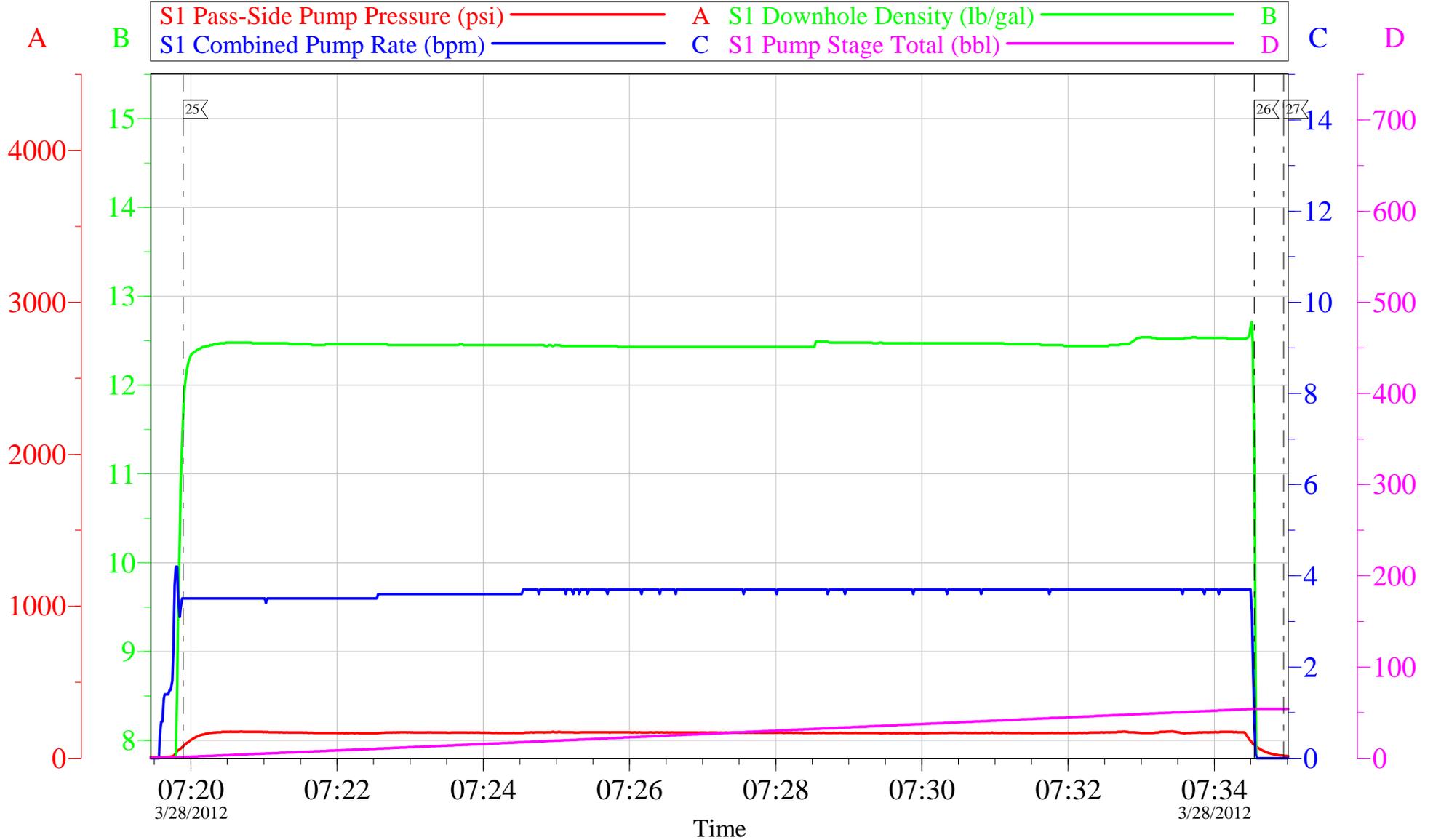


Local Event Log			
22	PUMP CEMENT	04:51:37	23 SHUTDOWN 05:04:13
24	WAIT TO TOPOUT	05:04:28	

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

OXY - CC 697-04-59B

TOPOUT #3

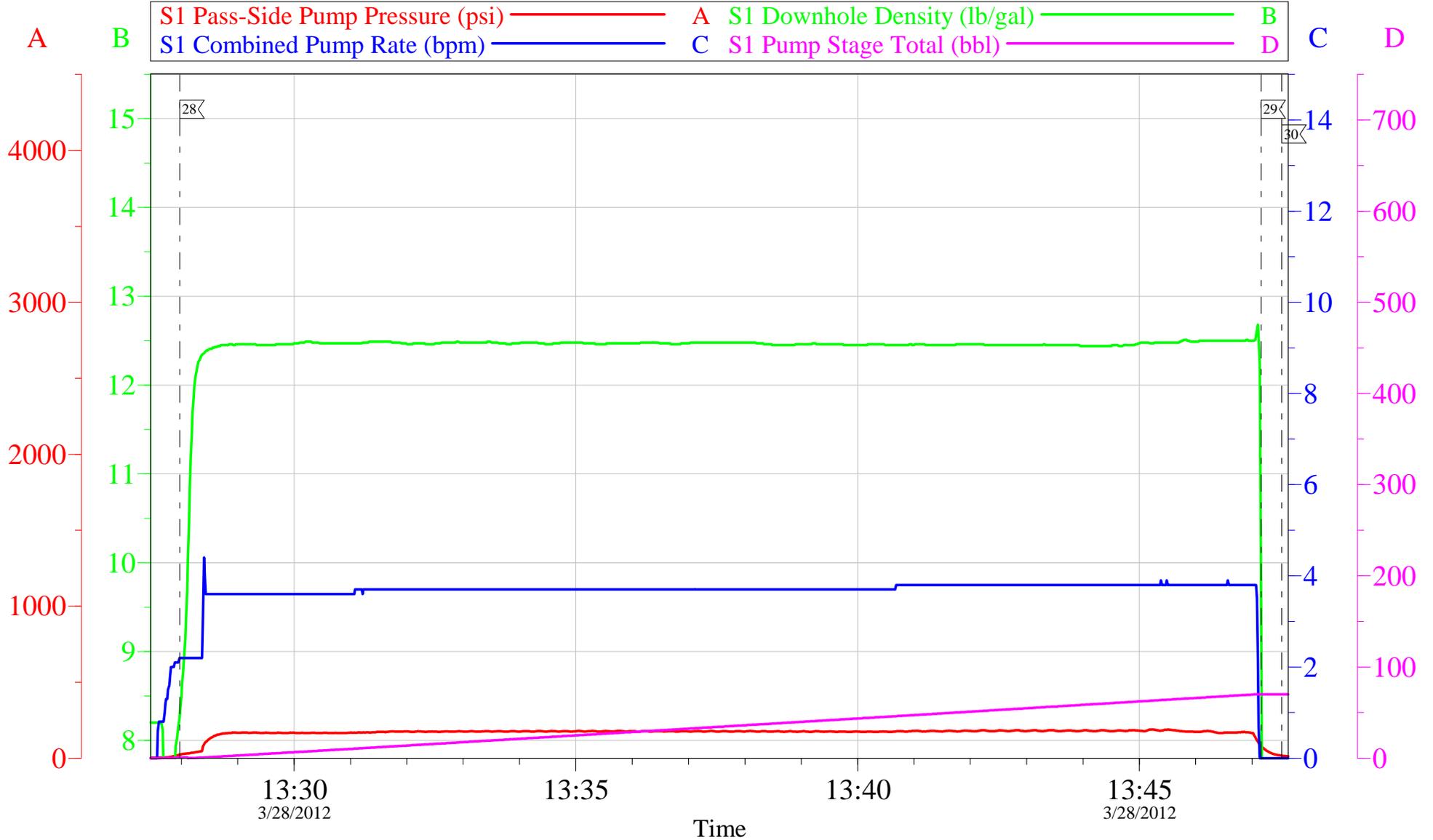


Local Event Log			
25	PUMP CEMENT	07:19:54	26
			SHUTDOWN
		07:34:33	27
			WAIT TO TOPOUT
		07:34:57	

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

OXY - CC 697-04-59B

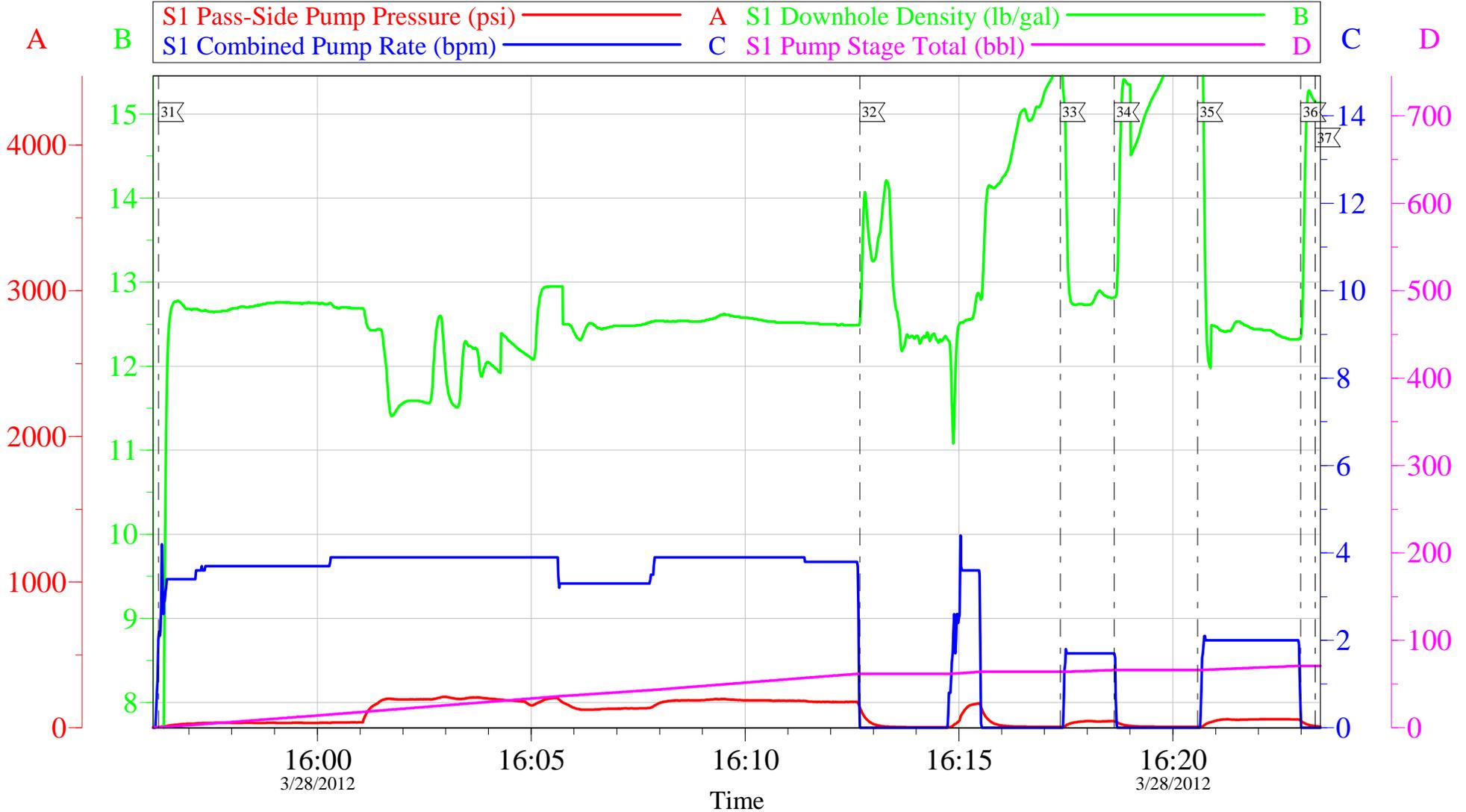
TOPOUT #4



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

OXY - CC 697-04-59B

TOPOUT #5

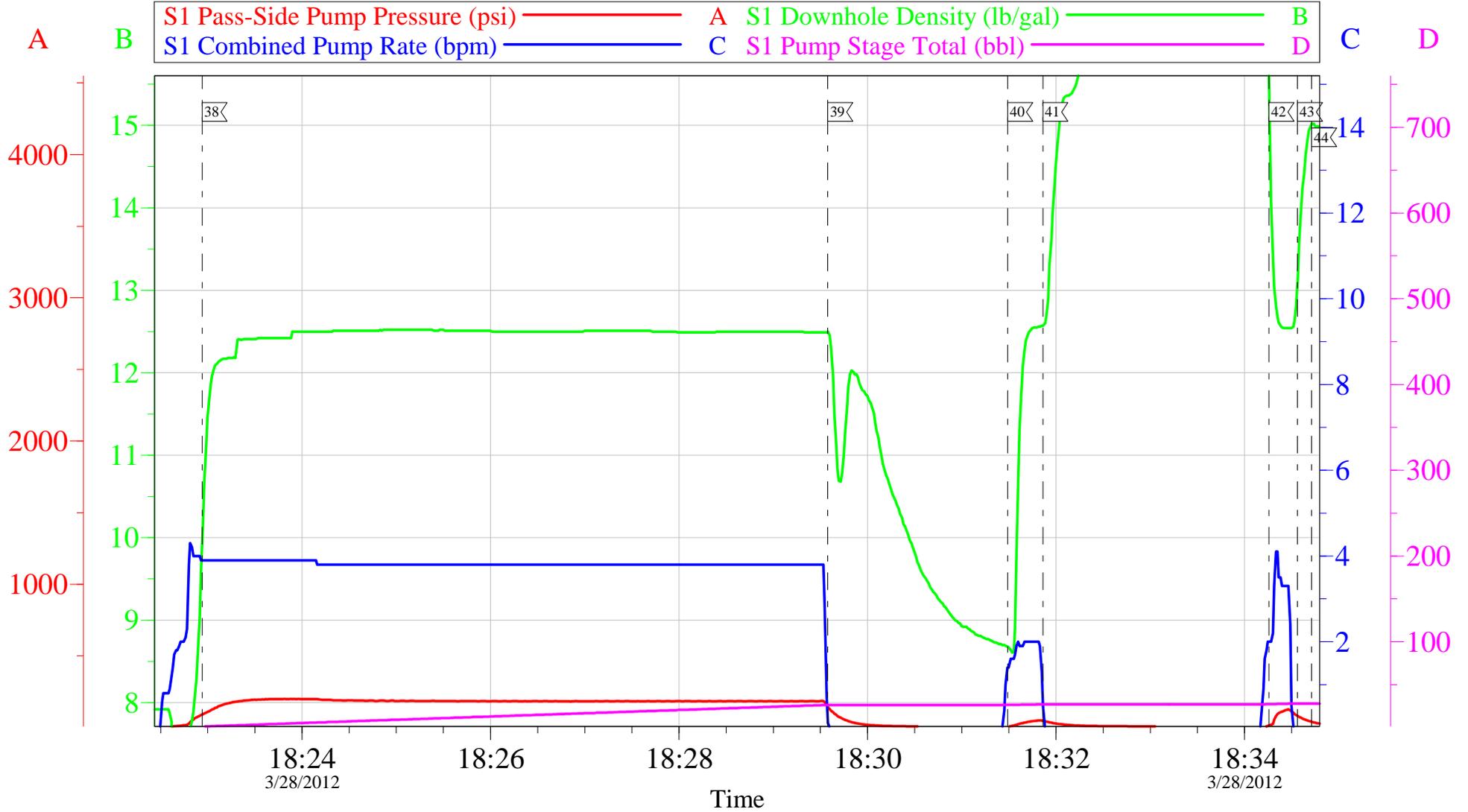


31	PUMP CEMENT	15:56:17	32	SHUTDOWN/CEMENT RETURNS	16:12:41	33	PUMP CEMENT	16:17:22
34	SHUTDOWN	16:18:38	35	PUMP CEMENT	16:20:35	36	SHUTDOWN	16:22:59
37	WAIT TO SEE IF CEMENT FALLS	16:23:20						

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

OXY - CC 697-04-59B

TOPOUT #6



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

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

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

CUSTOMER SIGNATURE

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

KEY PERFORMANCE INDICATORS

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

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	13
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	8
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	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.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	7
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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

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