
OXY GRAND JUNCTION EBUSINESS

CC 697-05-76B
GRAND VALLEY
Garfield County , Colorado

Cement Surface Casing
08-May-2012

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 344034	Quote #:	Sales Order #: 9474124
Customer: OXY GRAND JUNCTION EBUSINESS	Customer Rep: Vallegas, Alex		
Well Name: CC	Well #: 697-05-76B	API/UWI #: 05-045-20959	
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Lat: N 39.544 deg. OR N 39 deg. 32 min. 37.176 secs.	Long: W 108.246 deg. OR W -109 deg. 45 min. 12.96 secs.		
Contractor: H&P 353	Rig/Platform Name/Num: H&P 353		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: HIMES, JEFFREY	Srvc Supervisor: KUKUS, CHRISTOPHER	MBU ID Emp #: 413952	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BLUST, CHARLES Thomas	1.5	386662	HYDE, DUSTIN C	14.5	453940	KUKUS, CHRISTOPHER A	14.5	413952
MILLER II, MATTHEW Reginald	14.5	425164	SMITH, DUSTIN Michael	14.5	418015			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
05/08/2012	14.5	8						
TOTAL	Total is the sum of each column separately							

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	07 - May - 2012	23:30	MST
Form Type	BHST		Job Started	08 - May - 2012	05:30	MST
Job depth MD	2722. ft	Job Depth TVD	Job Completed	08 - May - 2012	10:16	MST
Water Depth		Wk Ht Above Floor	Departed Loc	08 - May - 2012	15:29	MST
Perforation Depth (MD)	From	To		08 - May - 2012	18:00	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				.	2722.		
SURFACE CASING	New		9.625	8.921	36.		I-80	.	2679.		

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 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	1	HES
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	
2	Gel Water Spacer		10.00	bbl	8.34	.0	.0	4	
0.25 gal/bbl		LGC-36 UC, BULK (101582749)							
3	Fresh Water Spacer		10.00	bbl	8.33	.0	.0	2	
4	Lead Cement	HALCEM (TM) SYSTEM (452986)	1160.0	sacks	12.3	2.15	11.83	6	11.83
11.83 Gal		FRESH WATER							
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.07	10.67	6	10.67
10.67 Gal		FRESH WATER							
6	Fresh Water Displacement		203.00	bbl	8.34	.0	.0	6	
Calculated Values		Pressures			Volumes				
Displacement	203.6	Shut In: Instant		Lost Returns		Cement Slurry	503.2	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	2	Actual Displacement	203.6	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	746.8
Rates									
Circulating		Mixing	6	Displacement	6	Avg. Job			6
Cement Left In Pipe	Amount	45.5 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

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Well Name: CC	Well #: 697-05-76B	API/UWI #: 05-045-20959	
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.544 deg. OR N 39 deg. 32 min. 37.176 secs.		Long: W 108.246 deg. OR W -109 deg. 45 min. 12.96 secs.	
Contractor: H&P 353		Rig/Platform Name/Num: H&P 353	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HIMES, JEFFREY		Srvc Supervisor: KUKUS, CHRISTOPHER	MBU ID Emp #: 413952

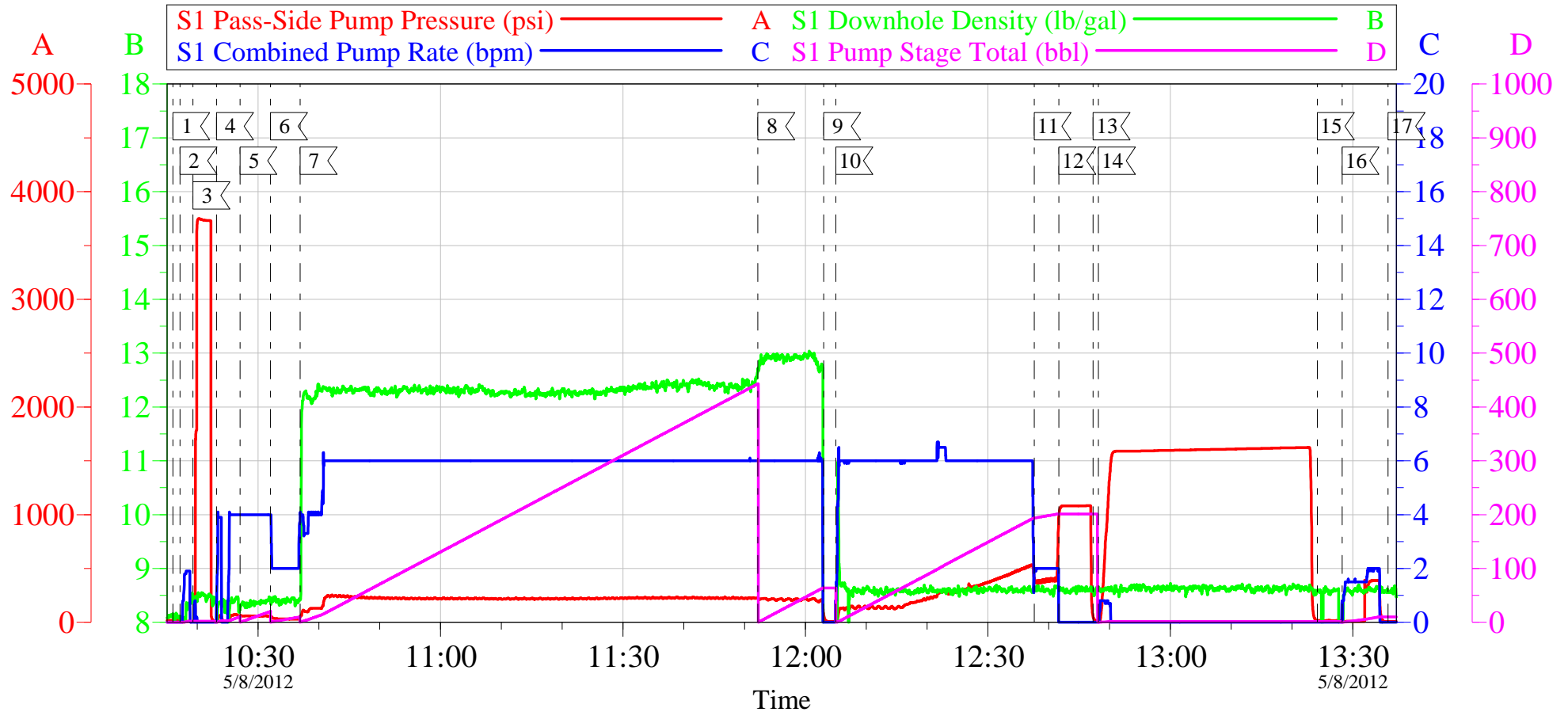
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/07/2012 23:30							ELITE # 7
Depart Yard Safety Meeting	05/08/2012 02:00							ALL HES EMPLOYEES
Arrive At Loc	05/08/2012 05:30							RIG RUNNING CASING HES CREW ARRIVED 5 HOURS EARLY DID NOT START CHARGE HOURS TILL ON LOCATION TIME
Assessment Of Location Safety Meeting	05/08/2012 06:45							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	05/08/2012 06:50							ALL HES EMPLOYEES
Rig-Up Equipment	05/08/2012 07:00							1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 SILO 1 660 BULK TRUCK
Pre-Job Safety Meeting	05/08/2012 10:00							ALL HES EMPLOYEES AND RIG CREW
Start Job	05/08/2012 10:16							TD: 2722 TP: 2679 SJ: 45.5 CSG: 9 5/8 36# OH: 14 3/4 MUD WT 9.7
Test Lines	05/08/2012 10:19					3747.0		PRESSURE TEST OK
Pump Spacer	05/08/2012 10:23		4	10	10		66.0	FRESH WATER SPACER
Pump Spacer	05/08/2012 10:27		4	20	20		56.0	20 BBL GEL SPACER
Pump Spacer	05/08/2012 10:32		2	10	10		53.0	FRESH WATER SPACER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Lead Cement	05/08/2012 10:36		6	444.2	444.2		238.0	1160 SKS 12.3 PPG 2.15 YEILD 11.83 GAL / SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES ADDED 7 BOXES OF TUFF FIBER WHILE PUMPING DOWN HOLE
Pump Tail Cement	05/08/2012 11:52		6	59	59		215.0	160 SKS 12.8 PPG 2.07 YEILD 10.67 GAL / SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES
Shutdown	05/08/2012 12:03							
Drop Plug	05/08/2012 12:04							PLUG AWAY NO PROBLEMS
Pump Displacement	05/08/2012 12:05		6	203.6	203.6		527.0	FRESH WATER
Slow Rate	05/08/2012 12:37		2	193.2	193.2		390.0	SLOW RATE TO BUMP PLUG
Bump Plug	05/08/2012 12:41		2	203.2	203.2		420.0	BUMP PLUG @ 420 AND TOOK PRESSURE UP TO 1082 PSI
Check Floats	05/08/2012 12:47							FLOATS HELD 1 BBL BACK TO DISPLACEMENT TANKS
Other	05/08/2012 12:48						1585. 0	1500 PSI CASING TEST FOR 20 MINS
Other	05/08/2012 13:28		2	10	10		350.0	10 BBL SUGAR WATER SPACER TO CLEAR PARASITE STRING
End Job	05/08/2012 13:35							HES CREW WAITING TO TOP OUT ON WELL
Start Job	05/08/2012 15:01							PUMP TOP OUT #1
Other	05/08/2012 15:02		2	2	2	17.0		FRESH WATER AHEAD
Pump Cement	05/08/2012 15:03		2.5	35.1	35.1	67.0		PUMPED 13.6 BBL OF TOP OUT INTO WELL CC 697-05-76B AND PUMPED 21.5 BBL OF TOP OUT INTO WELL CC 697-05-61
End Job	05/08/2012 15:29							
Start Job	05/08/2012 17:07							PUMP TOP OUT #2
Other	05/08/2012 17:08		2.5	2	2	38.0		FRESH WATER AHEAD

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Cement	05/08/2012 17:17		2.5	18	18	71.0		PUMPED 15 BBL OF TOP OUT INTO WELL CC 697-04-67B AND PUMPED 3 BBL OF TOP OUT INTO WELL CC 697-05-76B
End Job	05/08/2012 17:26							
Pre-Rig Down Safety Meeting	05/08/2012 18:00							ALL HES EMPLOYEES
Rig-Down Equipment	05/08/2012 18:30							
Pre-Convoy Safety Meeting	05/08/2012 19:30							ALL HES EMPLOYEES
Crew Leave Location	05/08/2012 20:00							THANK YOU FOR USING HALLIBURTON CEMENT CHRIS KUKUS AND CREW

OXY - CC 697- 05-76B

9 5/8 SURFACE



Local Event Log

1 START JOB	10:16:00	2 FILL LINES	10:17:10	3 TEST LINES	10:19:18
4 PUMP H2O SPACER	10:23:10	5 PUMP GEL SPACER	10:27:02	6 PUMP H2O SPACER	10:32:03
7 PUMP LEAD CEMENT	10:36:55	8 PUMP TAIL CEMENT	11:52:12	9 SHUTDOWN/ DROP PLUG	12:03:01
10 PUMP DISPLACEMENT	12:05:01	11 SLOW RATE	12:37:37	12 BUMP PLUG	12:41:41
13 CHECK FLOATS	12:47:19	14 PRESSURE TEST CASING	12:48:11	15 RELEASE PRESSURE	13:24:10
16 CLEAR PARASITE STRING	13:28:14	17 END JOB	13:35:48		

Customer: OXY
Well Description: CC 697-05-76B
Company Rep: TERRY ROSSER

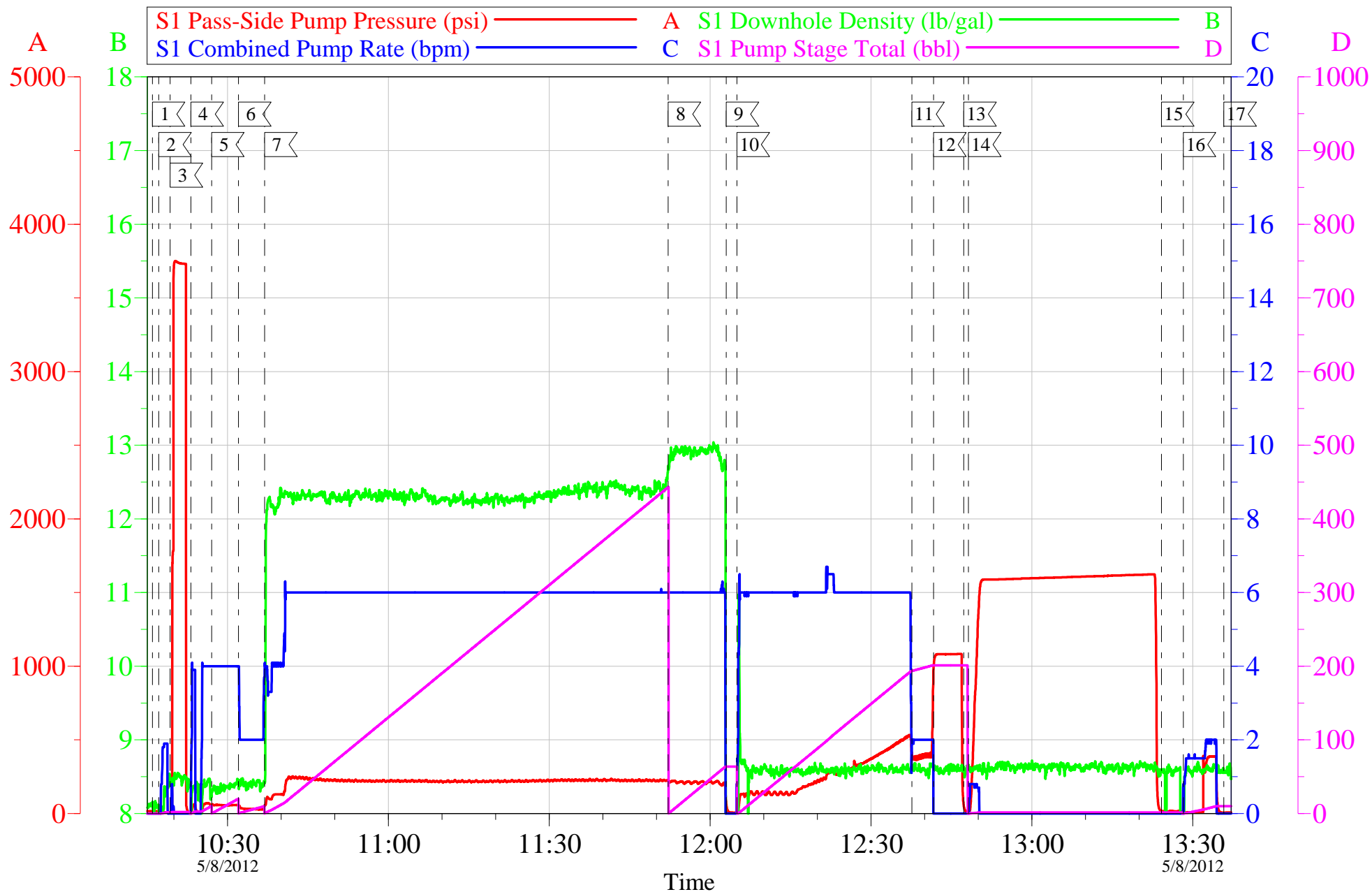
Job Date: 08-May-2012
Job Type: SURFACE
Cement Supervisor: CHRIS KUKUS

Sales Order #: 9474124
ADC Used: YES
Elite # 7: REGGIE MILLER

OptiCem v6.4.10
08-May-12 14:01

OXY - CC 697- 05-76B

9 5/8 SURFACE



Customer: OXY
Well Description: CC 697-05-76B
Company Rep: TERRY ROSSER

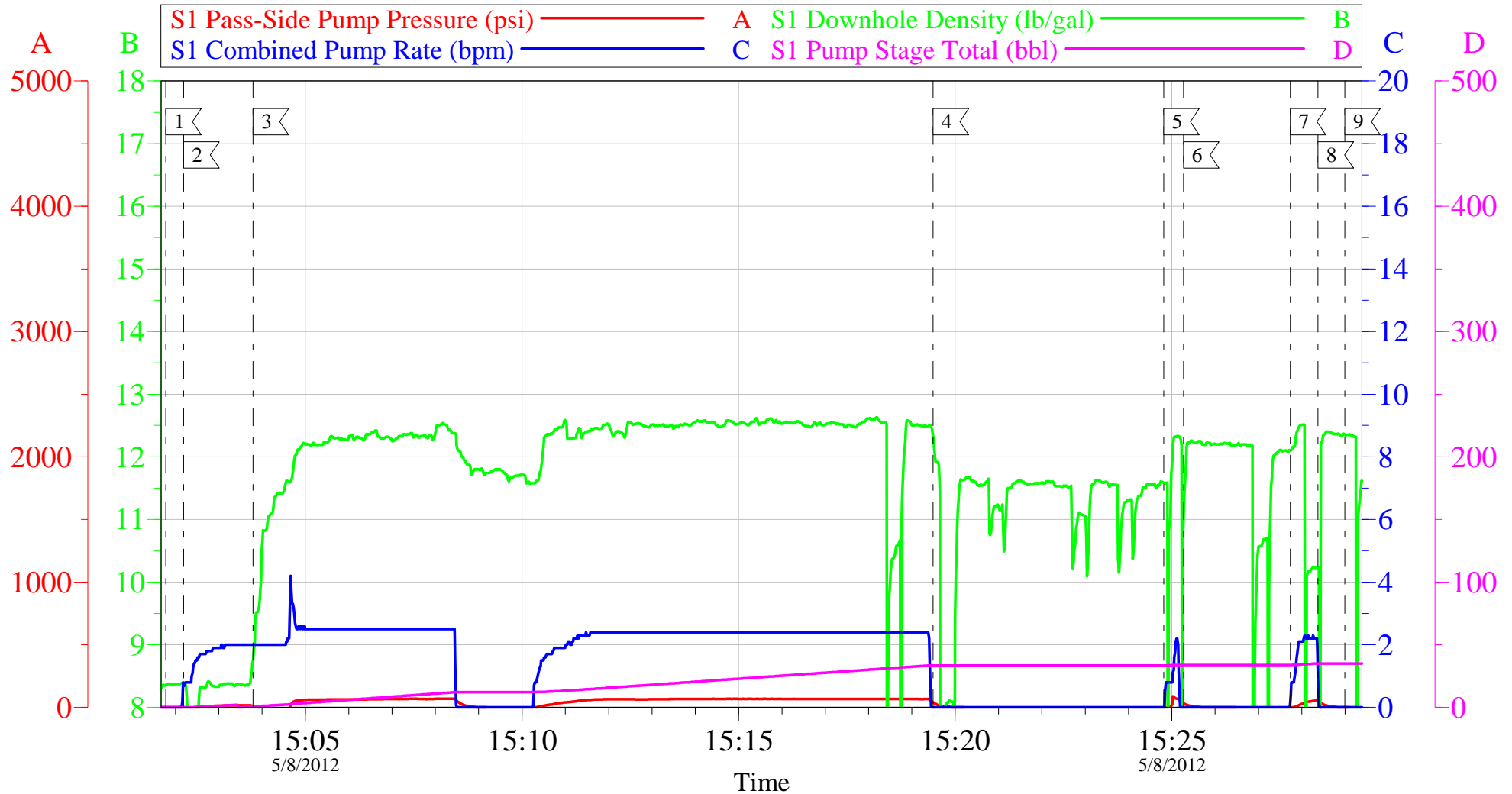
Job Date: 08-May-2012
Job Type: SURFACE
Cement Supervisor: CHRIS KUKUS

Sales Order #: 9474124
ADC Used: YES
Elite # 7: REGGIE MILLER

OptiCem v6.4.10
08-May-12 14:01

OXY - CC 697-05-76B

TOP OUT #1



Local Event Log

1 START JOB	15:01:47	2 FILL LINES	15:02:11	3 PUMP CEMENT	15:03:47
4 SHUT DOWN	15:19:29	5 PUMP CEMENT	15:24:49	6 SHUT DOWN	15:25:16
7 PUMP CEMENT	15:27:44	8 SHUT DOWN	15:28:22	9 END JOB	15:29:00

Customer: OXY
Well Description: CC 697-05-76B
Company Rep: TERRY ROSSER

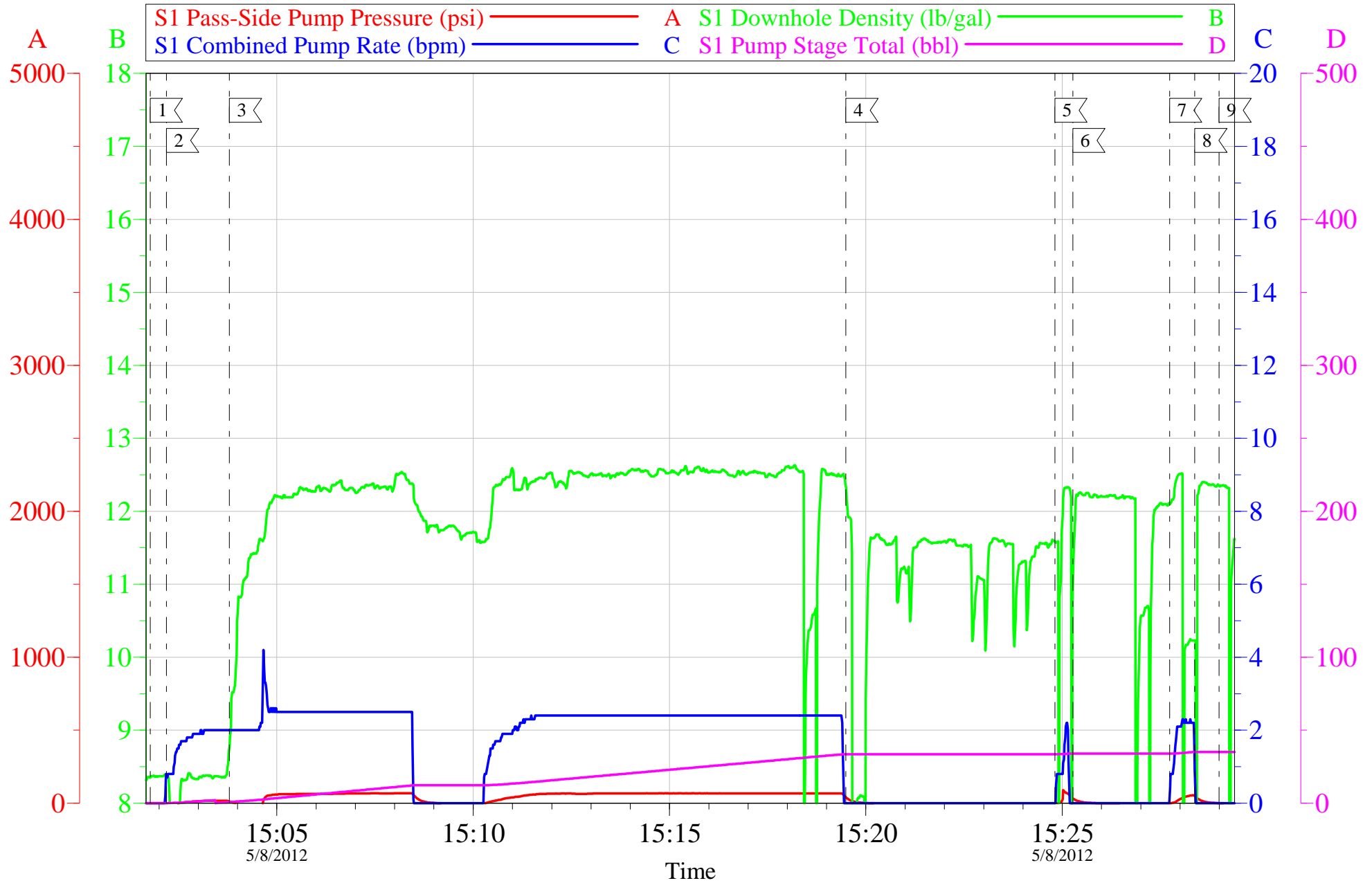
Job Date: 08-May-2012
Job Type: TOP OUT
Cement Supervisor: CHRIS KUKUS

Sales Order #: 9474124
ADC Used: YES
Elite # 7: REGGIE MILLER

OptiCem v6.4.10
08-May-12 15:46

OXY - CC 697-05-76B

TOP OUT #1



Customer: OXY
Well Description: CC 697-05-76B
Company Rep: TERRY ROSSER

Job Date: 08-May-2012
Job Type: TOP OUT
Cement Supervisor: CHRIS KUKUS

Sales Order #: 9474124
ADC Used: YES
Elite # 7: REGGIE MILLER

OptiCem v6.4.10
08-May-12 15:50

Sales Order #: 9474124	Line Item: 10	Survey Conducted Date: 5/8/2012
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20959
Well Name: CC		Well Number: 697-05-76B
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	5/8/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER KUKUS (HX35027)
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 #: 9474124	Line Item: 10	Survey Conducted Date: 5/8/2012
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20959
Well Name: CC		Well Number: 697-05-76B
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	5/8/2012
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)	8
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)	5
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	6
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 #: 9474124	Line Item: 10	Survey Conducted Date: 5/8/2012
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-20959
Well Name: CC		Well Number: 697-05-76B
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	90
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	90
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