
OXY GRAND JUNCTION EBUSINESS

**CC 697-05-59
GRAND VALLEY
Colorado**

Cement Surface Casing
01-May-2012

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 344034	Quote #:	Sales Order #: 9474128
Customer: OXY GRAND JUNCTION EBUSINESS	Customer Rep: VILLEGAS, ALEX		
Well Name: CC	Well #: 697-05-59	API/UWI #: 05-045-20957	
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish:	State: Colorado
Lat: N 39.544 deg. OR N 39 deg. 32 min. 37.5 secs.	Long: W 108.246 deg. OR W -109 deg. 45 min. 12.78 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: ARNOLD, EDWARD	MBU ID Emp #: 439784	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARNOLD, EDWARD John	11.5	439784	BRENNECKE, ANDREW Bailey	11.5	486345	JENSEN, JESSE Robert	11.5	478774
VANALSTYNE, TROY L	11.5	420256						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10567589C	120 mile	10867094	120 mile	10897925	120 mile	11259882	120 mile
11808829	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5.1.2012	11.5	7						

TOTAL	Total is the sum of each column separately							
-------	--	--	--	--	--	--	--	--

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	01 - May - 2012	06:30	MST
Form Type	BHST		Job Started	01 - May - 2012	11:30	MST
Job depth MD	2745. ft	Job Depth TVD	Job Completed	01 - May - 2012	16:01	MST
Water Depth		Wk Ht Above Floor	Departed Loc	01 - May - 2012	20:53	MST
Perforation Depth (MD)	From	To		01 - Jun - 2012	23:00	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				.	2745.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	2725.		

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	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	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		20.00	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	4	
4	HalCem Lead Cement	HALCEM (TM) SYSTEM (452986)	1210.0	sacks	12.3	2.15	11.83	6	11.83
11.83 Gal		FRESH WATER							
5	Varicem Tail Cement	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.8	2.07	10.67	6	10.67
10.67 Gal		FRESH WATER							
6	Fresh Water Displacement		204.00	bbl	8.34	.0	.0	6	
Calculated Values		Pressures		Volumes					
Displacement	204.6	Shut In: Instant		Lost Returns		Cement Slurry	553.2	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	8	Actual Displacement	204.6	Treatment	
Frac Gradient		15 Min		Spacers	47	Load and Breakdown		Total Job	620.8
Rates									
Circulating	RIG	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	48 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 #: 9474128
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: VILLEGAS, ALEX	
Well Name: CC		Well #: 697-05-59	API/UWI #: 05-045-20957
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish:	State: Colorado
Legal Description:			
Lat: N 39.544 deg. OR N 39 deg. 32 min. 37.5 secs.		Long: W 108.246 deg. OR W -109 deg. 45 min. 12.78 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: ARNOLD, EDWARD	MBU ID Emp #: 439784

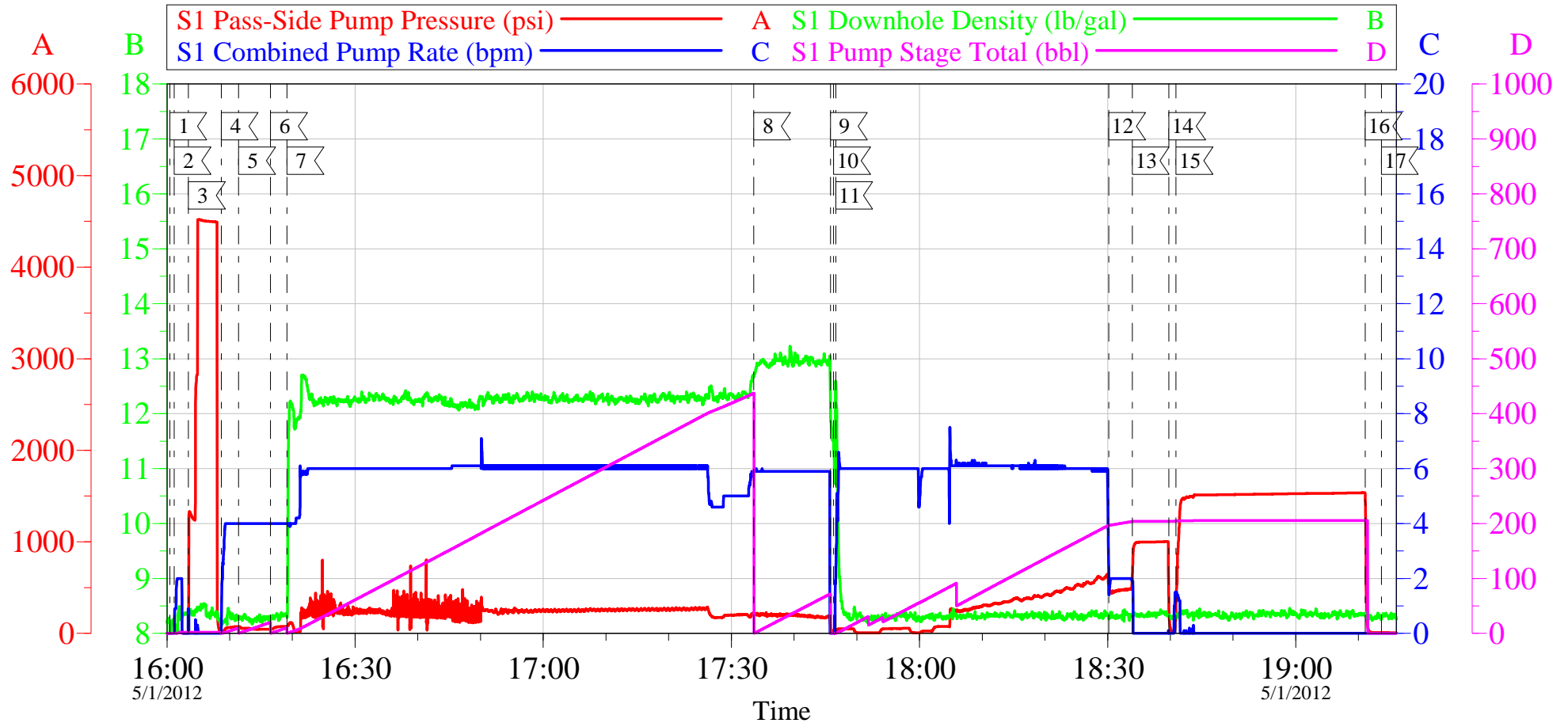
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/01/2012 06:30							
Pre-Convoy Safety Meeting	05/01/2012 08:45							Including entire cement crew.
Crew Leave Yard	05/01/2012 09:00							
Arrive At Loc	05/01/2012 11:30							Rig still Running casing.
Assessment Of Location Safety Meeting	05/01/2012 14:00							Water; PH 7; KCL 250; So4 <200; Fe 0; Calcium 50; Chlorides 0; Temp 60; TDS 120.
Pre-Rig Up Safety Meeting	05/01/2012 14:15							Including entire cement crew.
Rig-Up Equipment	05/01/2012 14:30							1 Elite # 3; 1 Field storage silo; 1 660 bulk truck; 1 hard line to well; 2 lines to uprights. 9 5/8" compact head.
Rig-Up Completed	05/01/2012 15:20							
Pre-Job Safety Meeting	05/01/2012 15:30							Including everyone on location.
Start Job	05/01/2012 16:00							TD 2745; TP 2725 - 30' landing joint; SJ 48; OH 14 3/4; Casing 9.625" 36# J-55; Mud 9.6 ppg.
Pump Water	05/01/2012 16:01		2	2			60.0	Fill lines with fresh water.
Test Lines	05/01/2012 16:03					4520.0		Good pressure test, no leaks.
Pump Spacer 1	05/01/2012 16:08		4	10			60.0	10 BBL fresh water spacer.
Pump Spacer 2	05/01/2012 16:11		4	20			46.0	20 BBL Gel water.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	05/01/2012 16:16		4	10			74.0	10 BBL fresh water spacer.
Pump Lead Cement	05/01/2012 16:19		6	463.3			236.0	1210 sks Lead Cement, 12.3 ppg, 2.15 cf3, 11.38 gal/sk.
Pump Tail Cement	05/01/2012 17:33		6	58.9			127.0	160 sks Tail Cement, 12.8 ppg, 2.07 cf3, 10.67 gal/sk.
Shutdown	05/01/2012 17:45							
Drop Plug	05/01/2012 17:46							Plug left container.
Pump Displacement	05/01/2012 17:46		6	194.6			620.0	Fresh Water Displacement. Lost returns while dropping the plug. did not get returns back.
Slow Rate	05/01/2012 18:30		2	10			480.0	Slow rate 10 BBL's prior to bumping the plug.
Bump Plug	05/01/2012 18:33				204.6		960.0	Bumped plug, took 500 PSI over.
Check Floats	05/01/2012 18:39							Floats held, 3/4 BBL back
Pressure Up Well	05/01/2012 18:40						1500.0	Hold for 30 min.
Release Casing Pressure	05/01/2012 19:11							
End Job	05/01/2012 19:13							Wait on location to Top Out well.
Start Job	05/01/2012 20:34							Start top out job.
Other	05/01/2012 20:34		2	2			46.0	Boost H2o then engage pumps.
Pump Cement	05/01/2012 20:37		2	31			80.0	88 sks Top Out Cement, 12.5 ppg, 1.97 cf3, 10.96 gal/sk. Got cement to surface with 23 BBL's gone.
Pump Water	05/01/2012 20:51		2	5			50.0	Pump Water to clear lines. 8 BBL's cement to surface.
End Job	05/01/2012 20:53							
Pre-Rig Down Safety Meeting	05/01/2012 21:00							Including entire cement crew.
Rig-Down Equipment	05/01/2012 21:10							

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Completed	05/01/2012 22:30							
Pre-Convoy Safety Meeting	05/01/2012 22:45							Including entire cement crew.
Crew Leave Location	05/01/2012 23:00							Crew leave location for Service Center or another location.
Other	05/01/2012 23:00							Thank You for using Halliburton. Ed Arnold and Crew.

OXY - CC607-05-59

9 5/8" SURFACE

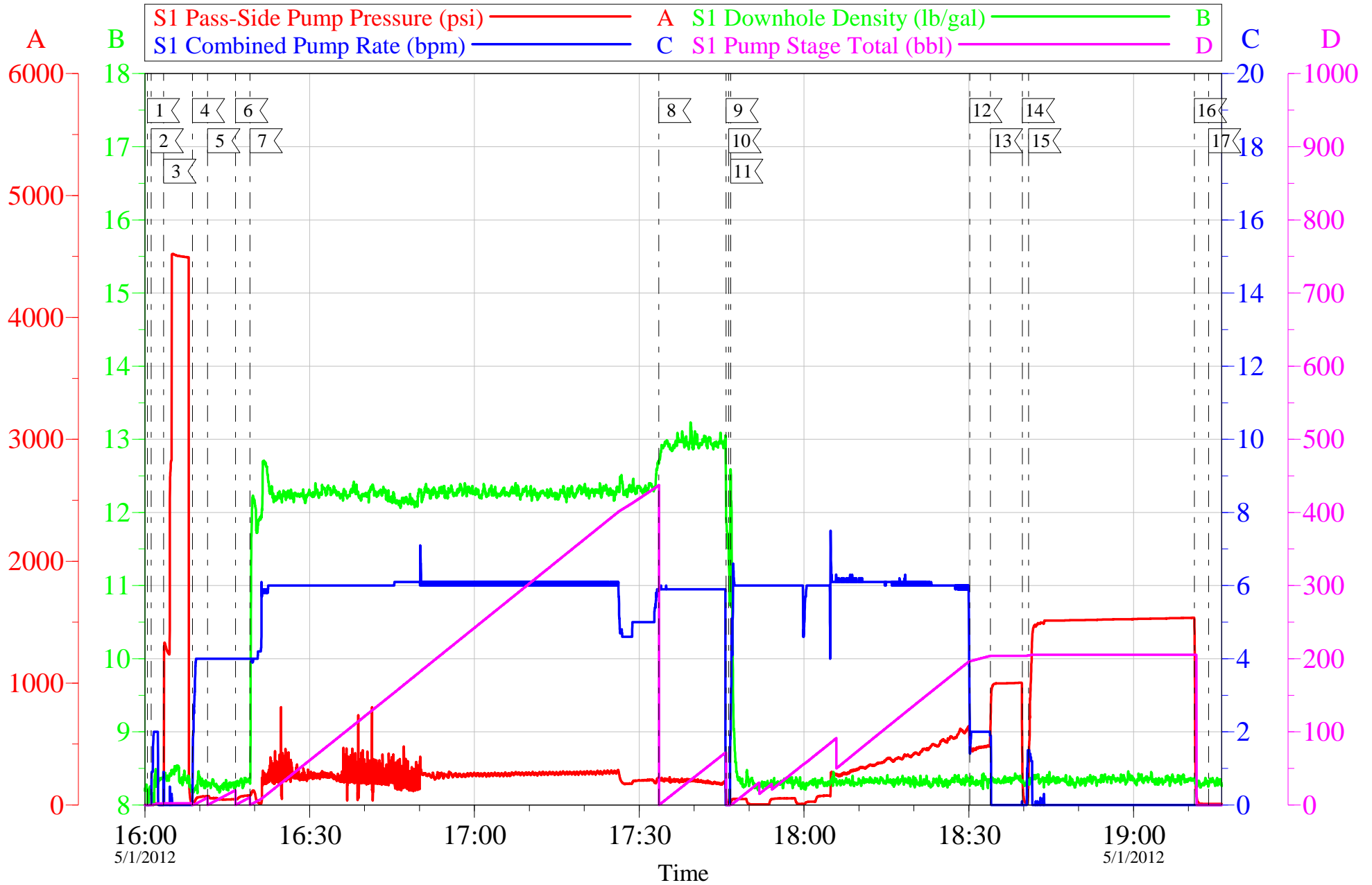


Customer: OXY	Job Date: 01-May-2012	Sales Order #: 9474128
Well Description: CC 697-05-59	Job Type: SURFACE	ADC Used: YES
Company Rep: TERRY ROSSER	Cement Supervisor: ED ARNOLD	Elite #3: JESSE JENSEN

OptiCem v6.4.10
01-May-12 19:57

OXY - CC607-05-59

9 5/8" SURFACE



Customer: OXY
Well Description: CC 697-05-59
Company Rep: TERRY ROSSER

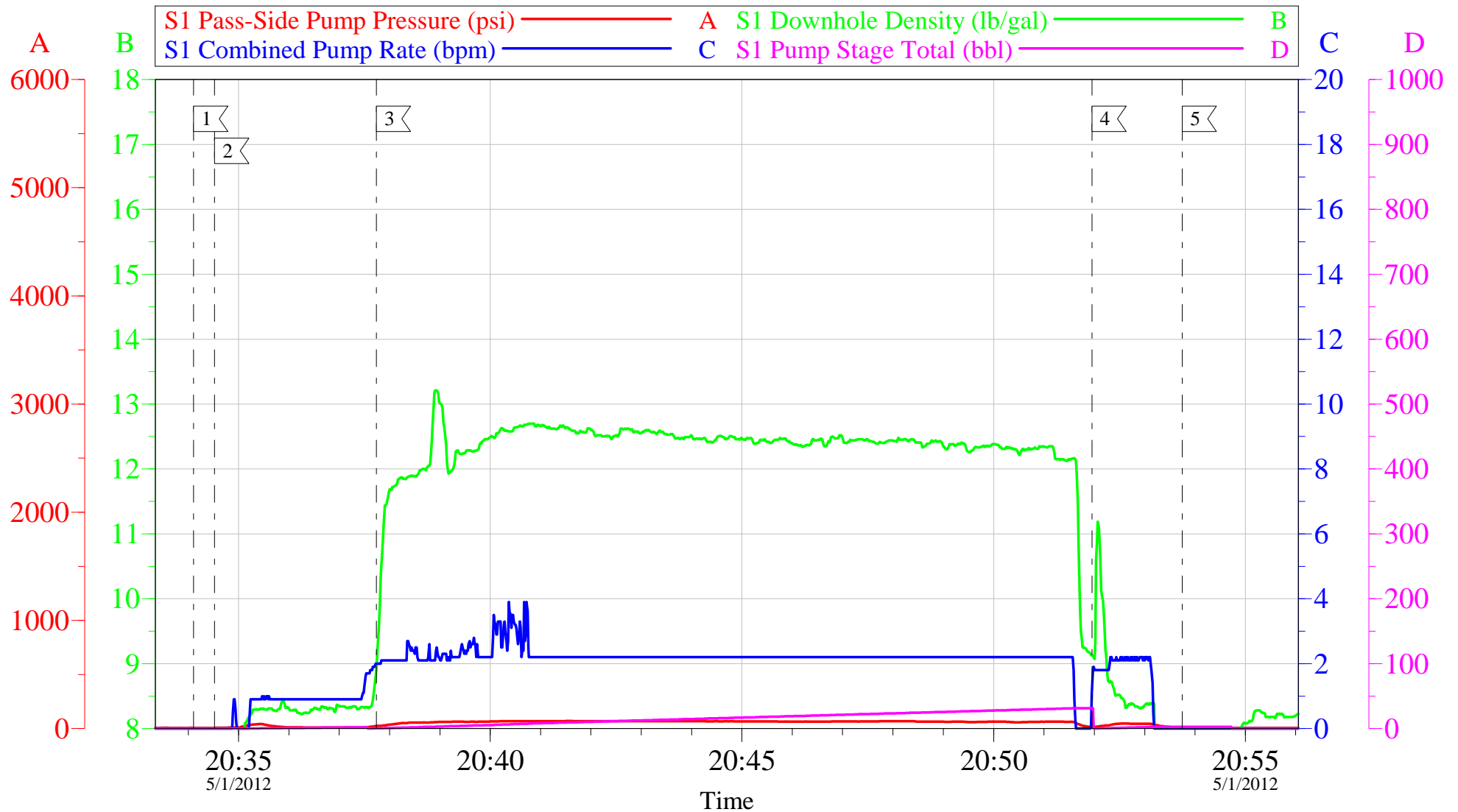
Job Date: 01-May-2012
Job Type: SURFACE
Cement Supervisor: ED ARNOLD

Sales Order #: 9474128
ADC Used: YES
Elite #3: JESSE JENSEN

OptiCem v6.4.10
01-May-12 19:58

OXY - CC697-05-59

TOP OUT



Local Event Log

1	START JOB	20:34:06	2	BOOST H2O	20:34:31	3	PUMP CEMENT	20:37:44
4	PUMP H2O	20:51:57	5	END JOB	20:53:45			

Customer: OXY
Well Description: CC 697-05-59
Company Rep: TERRY ROSSER

Job Date: 01-May-2012
Job Type: TOP OUT
Cement Supervisor: ED ARNOLD

Sales Order #: 9474128
ADC Used: YES
Elite #3: JESSE JENSEN

OptiCem v6.4.10
01-May-12 21:09

Sales Order #: 9474128	Line Item: 10	Survey Conducted Date: 5/1/2012
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: TERRY ROSSER		API / UWI: (leave blank if unknown)
Well Name: CC		Well Number: 697-05-59
Well Type: DEVELOP	Well Country:	
H2S Present: No	Well State:	Well County:

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	5/1/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	EDWARD ARNOLD (HX46731)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	TERRY ROSSER
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

Sales Order #: 9474128	Line Item: 10	Survey Conducted Date: 5/1/2012
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: TERRY ROSSER		API / UWI: (leave blank if unknown)
Well Name: CC		Well Number: 697-05-59
Well Type: DEVELOP	Well Country:	
H2S Present: No	Well State:	Well County:

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	5/1/2012

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	7
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	5
Customer Non-Productive Rig Time (hrs) 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.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	5
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

Sales Order #: 9474128	Line Item: 10	Survey Conducted Date: 5/1/2012
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: TERRY ROSSER		API / UWI: (leave blank if unknown)
Well Name: CC		Well Number: 697-05-59
Well Type: DEVELOP	Well Country:	
H2S Present: No	Well State:	Well County:

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	95
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	99
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