

OXY GRAND JUNCTION EBUSINESS
DO NOT MAIL - PO BOX 1767
ADDISON, Texas

CC 697-09-02B

H&P 353

Post Job Summary

Cement Surface Casing

Prepared for: KEL WYLIE
Date Prepared: 5/11/2011
Version: 1

Service Supervisor: JAMISON, PRICE

Submitted by:

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 344034		Ship To #: 2853120		Quote #:		Sales Order #: 8144687	
Customer: OXY GRAND JUNCTION EBUSINESS				Customer Rep: Wylie, Kel			
Well Name: CC			Well #: 697-09-02B		API/UWI #:		
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Lat: N 39.542 deg. OR N 39 deg. 32 min. 31.366 secs.				Long: W 108.238 deg. OR W -109 deg. 45 min. 42.941 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: DUNNING, DUSTIN			Srv Supervisor: JAMISON, PRICE			MBU ID Emp #: 229155	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HAYES, JESSE Doug	25.5	403601	JAMISON, PRICE W	25.5	229155	JENSEN, SHANE Lynn	25.5	441759
LEIST, JAMES R	25.5	362787	SINCLAIR, DAN J	25.5	338784	VANALSTYNE, TROY	25.5	420256

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10053558	240 mile	10248065	240 mile	10567589C	240 mile	10867423	240 mile
10897887	240 mile	10938665	240 mile	10938677	240 mile	10973565	240 mile
10988978	240 mile	10995027	240 mile	11259881	240 mile	6543	240 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5/10/11	15	4	5/11/11	10.5	2			

TOTAL	Total is the sum of each column separately							
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Job

Job Times

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	10 - May - 2011	01:00 MST
Form Type	BHST				On Location	10 - May - 2011	09:00 MST
Job depth MD	2695. ft	Job Depth TVD	2720. ft		Job Started	10 - May - 2011	20:42 MST
Water Depth		Wk Ht Above Floor	3. ft		Job Completed	11 - May - 2011	09:00 MST
Perforation Depth (MD)	From		To		Departed Loc	11 - May - 2011	10:30 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				.	2720.	.	2720.
SURFACE CASING	Unknown		9.625	8.921	36.		J-55	.	2695.	.	2695.

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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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1	Water Spacer		20.00	bbl	8.4	.0	.0	6.0	
2	Gel Spacer		20.00	bbl	8.4	.0	.0	6.0	
3	Water Spacer		20.00	bbl	8.4	.0	.0	6.0	
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)	1050.0	sacks	12.3	2.33	12.62	6.0	12.62
	12.62 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	Displacement		204.2	bbl	8.4	.0	.0	6.0	
7	Top Out Cement	TOP OUT	232	sacks	14.0	1.78	7.62	2	7.62
Calculated Values		Pressures		Volumes					
Displacement	204.2	Shut In: Instant		Lost Returns	YES	Cement Slurry	572	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	NO	Actual Displacement	201	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	852
Rates									
Circulating	RIG	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	53.3 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 #: 2853120	Quote #:	Sales Order #: 8144687
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: Wylie, Kel	
Well Name: CC		Well #: 697-09-02B	API/UWI #:
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.542 deg. OR N 39 deg. 32 min. 31.366 secs.		Long: W 108.238 deg. OR W -109 deg. 45 min. 42.941 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: DUNNING, DUSTIN		Srv Supervisor: JAMISON, PRICE	MBU ID Emp #: 229155

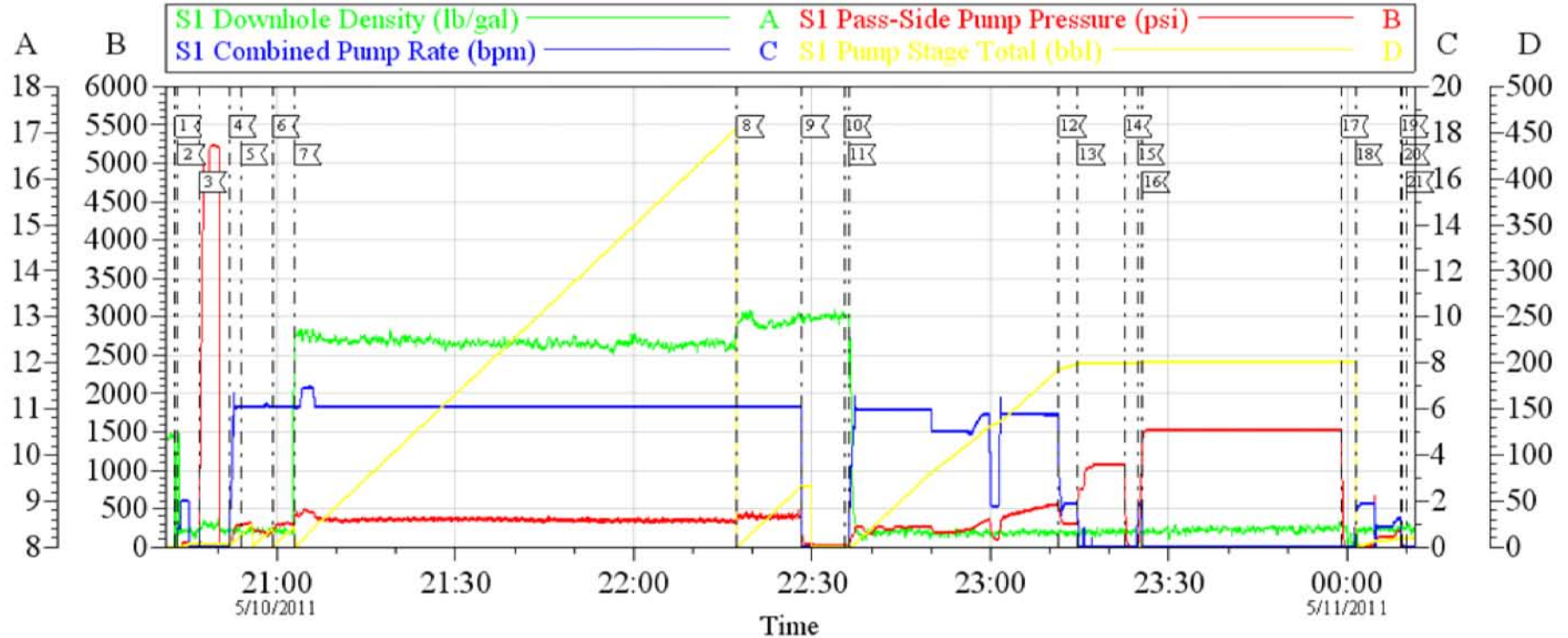
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/10/2011 01:00							TD 2720 TP 2650 SURFACE CASING 9.625 36 PPF J-55 S.J 53.35 MUD 9.2 PPG HOLE SIZE 14.75 PARASIGHT STRING 2499 T.T.
Depart Yard Safety Meeting	05/10/2011 03:15							NO PRELOAD ALL TRUCKS CALLED OUT AT TIME OF JOB.
Crew Leave Yard	05/10/2011 03:30							
Arrive At Loc	05/10/2011 09:00							
Assessment Of Location Safety Meeting	05/10/2011 09:30							
Pre-Rig Up Safety Meeting	05/10/2011 12:00							
Wait on Customer or Customer Sub-Contractor Equip	05/10/2011 13:00							RUNNING CASING & CIRCULATNG
Wait on Customer or Customer Sub-Contractor Equipm	05/10/2011 19:30							
Pre-Job Safety Meeting	05/10/2011 19:40							
Start Job	05/10/2011 20:42							
Prime Pumps	05/10/2011 20:43		2	2			62.0	FRESH WATER
Test Lines	05/10/2011 20:46						5000. 0	
Pump Water	05/10/2011 20:51		6	20			290.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	05/10/2011 20:53		6	20			275.0	GEL WATER SPACER
Pump Water	05/10/2011 20:59		6	20			315.0	FRESH WATER
Pump Lead Cement	05/10/2011 21:02		6	435.7			400.0	MIXED @ 12.3 YIELD 2.33 WAT/REQ 12.62 1050 SKS
Pump Tail Cement	05/10/2011 22:17		6	62.7			420.0	MIXED @ 12.8 PPG YIELD 2.07 WAT/REQ 10.67 170 SKS
Shutdown	05/10/2011 22:28							
Drop Plug	05/10/2011 22:35							
Pump Displacement	05/10/2011 22:36		6					FRESH WATER
Slow Rate	05/10/2011 23:11		2	194			560.0	
Bump Plug	05/10/2011 23:14		2	204.2			310.0	PRESSURED UP TO PSI 1078 PSI
Check Floats	05/10/2011 23:22							FLOATS HELD
Pressure Up Well	05/10/2011 23:24		2	2			1500.0	CASING TEST
Monitor Pressure	05/10/2011 23:25						1527.0	WATCH PRESSURE FOR 30 MINUTES
Release Casing Pressure	05/10/2011 23:59							FLOATS HELD
Pump Water	05/11/2011 00:01		2	10		600.0		CLEAR PARASIGHT STRING WITH SUGER WATER
Shutdown	05/11/2011 00:09							
Release Tubing Pressure	05/11/2011 00:09							CHECK VALVE HOLDING
End Job	05/11/2011 00:10							CASING WAS NOT MOVED THROUGHOUT JOB
Start Job	05/11/2011 02:51							TOP OUT # 1
Pump Water	05/11/2011 02:51		2	1			20.0	FRESH WATER
Pump Cement	05/11/2011 02:54		2	32			80.0	MIXED @ 14 PPG YIELD 1.78 WAT/REQ 7.67 100 SKS
Pump Displacement	05/11/2011 03:11		2	2			20.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	05/11/2011 03:12							
End Job	05/11/2011 03:13							
Start Job	05/11/2011 05:30							TOP OUT # 2
Pump Water	05/11/2011 05:31		2	1			52.0	FRESH WATER
Pump Cement	05/11/2011 05:32		2	32			107.0	MIXED @ 14 PPG YIELD 1.78 WAT/REQ 7.67 100 SKS
Pump Displacement	05/11/2011 05:49		2	2			82.0	FRESH WATER
Shutdown	05/11/2011 05:50							
End Job	05/11/2011 05:51							
Start Job	05/11/2011 08:52							TOP OUT # 3
Pump Water	05/11/2011 08:53		1	0.5			1.0	FRESH WATER
Pump Cement	05/11/2011 08:55		1.5	10			50.0	MIXED @ 14 PPG YIELD 1.78 WAT/REQ 7.67 32 SKS
Shutdown	05/11/2011 08:59							TOP WELL OFF WITH 232 SKS OF TOP OUT CEMENT
End Job	05/11/2011 09:00							CASING WAS NOT MOVED THROUGHOUT JOB
Post-Job Safety Meeting (Pre Rig-Down)	05/11/2011 09:30							NO CIRCULATION THROUGHOUT JOB
Depart Location Safety Meeting	05/11/2011 10:20							
Crew Leave Location	05/11/2011 10:30							THANKS FOR USING HALLIBURTON BILL JAMISON & CREW

OXY

9.625 SURFACE CASING



Local Event Log					
1	START JOB	5/10/2011 20:42:51	2	PRIME LINES	5/10/2011 20:43:24
3	TEST LINES	5/10/2011 20:46:58	4	START FRESH WATER SPACER	5/10/2011 20:51:58
5	START GEL WATER SPACER	5/10/2011 20:53:58	6	START FRESH WATER SPACER	5/10/2011 20:59:14
7	START LEAD CEMENT	5/10/2011 21:02:51	8	START TAIL CEMENT	5/10/2011 22:17:24
9	SHUT DOWN	5/10/2011 22:28:18	10	DROP PLUG	5/10/2011 22:35:27
11	START DISPLACEMENT	5/10/2011 22:36:14	12	SLOW RATE	5/10/2011 23:11:32
13	BUMP PLUG	5/10/2011 23:14:44	14	CHECK FLOATS	5/10/2011 23:22:40
15	PRESSURE TEST CASING	5/10/2011 23:24:42	16	WATCH PRESSURE	5/10/2011 23:25:38
17	RELEASE PRESSURE	5/10/2011 23:59:06	18	PUMP DOWN PARASIGHT STRING	5/11/2011 00:01:22
19	SHUT DOWN	5/11/2011 00:09:02	20	RELEASE PRESSURE	5/11/2011 00:09:20
21	END JOB	5/11/2011 00:10:00			

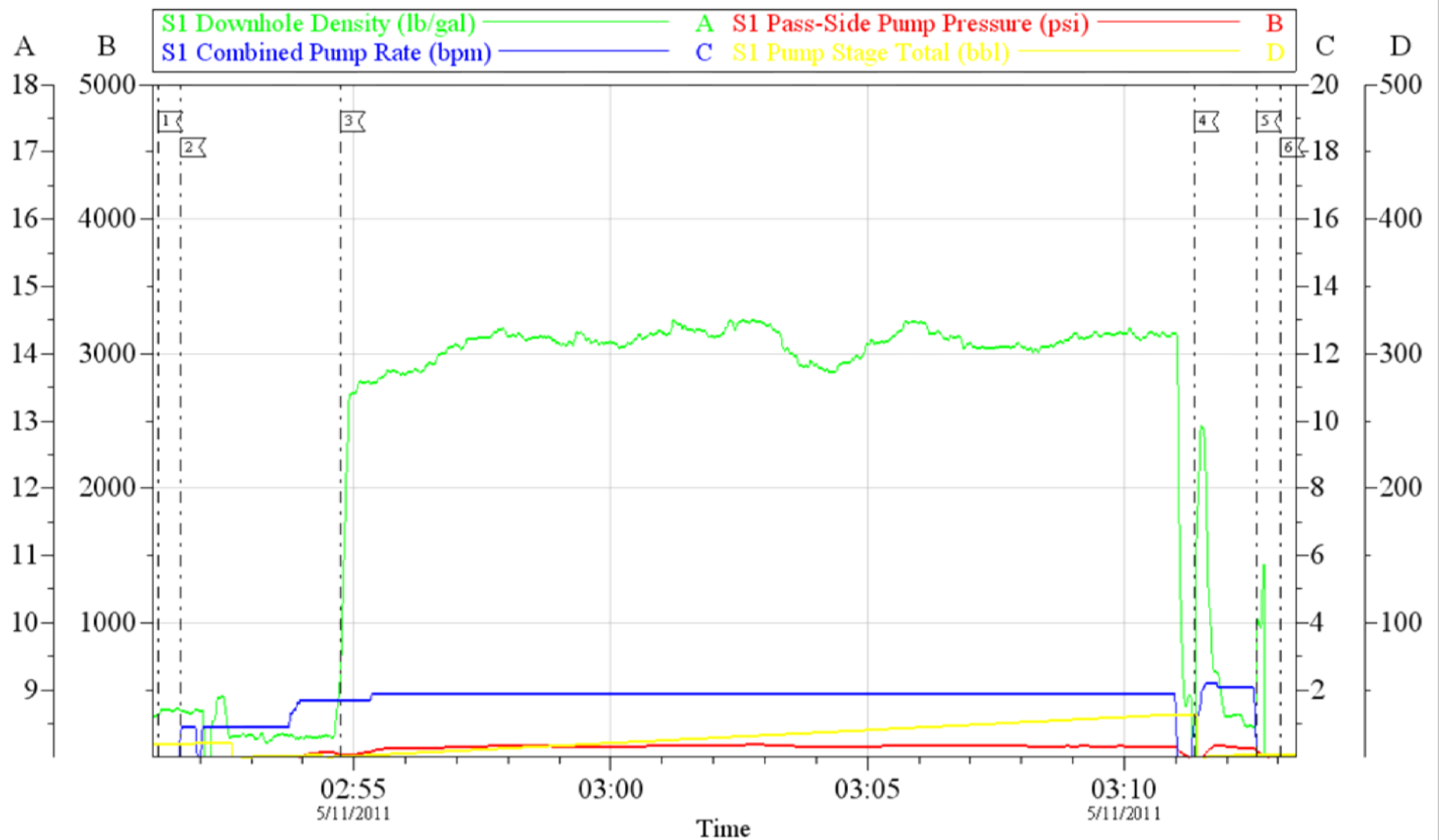
Customer: OXY
Well Description: CC 697-09-02B
Company Rep: WYLIE KEL

Job Date: 10-May-2011
Job Type: CEMENT
Cement Supervisor: BILL JAMISON

Sales Order #: 8144687
ADC Used: YES
Elite #: 3 JESSE HAYES

OptiCem v6.4.9
11-May-11 00:18

OXY TOP OUT #1

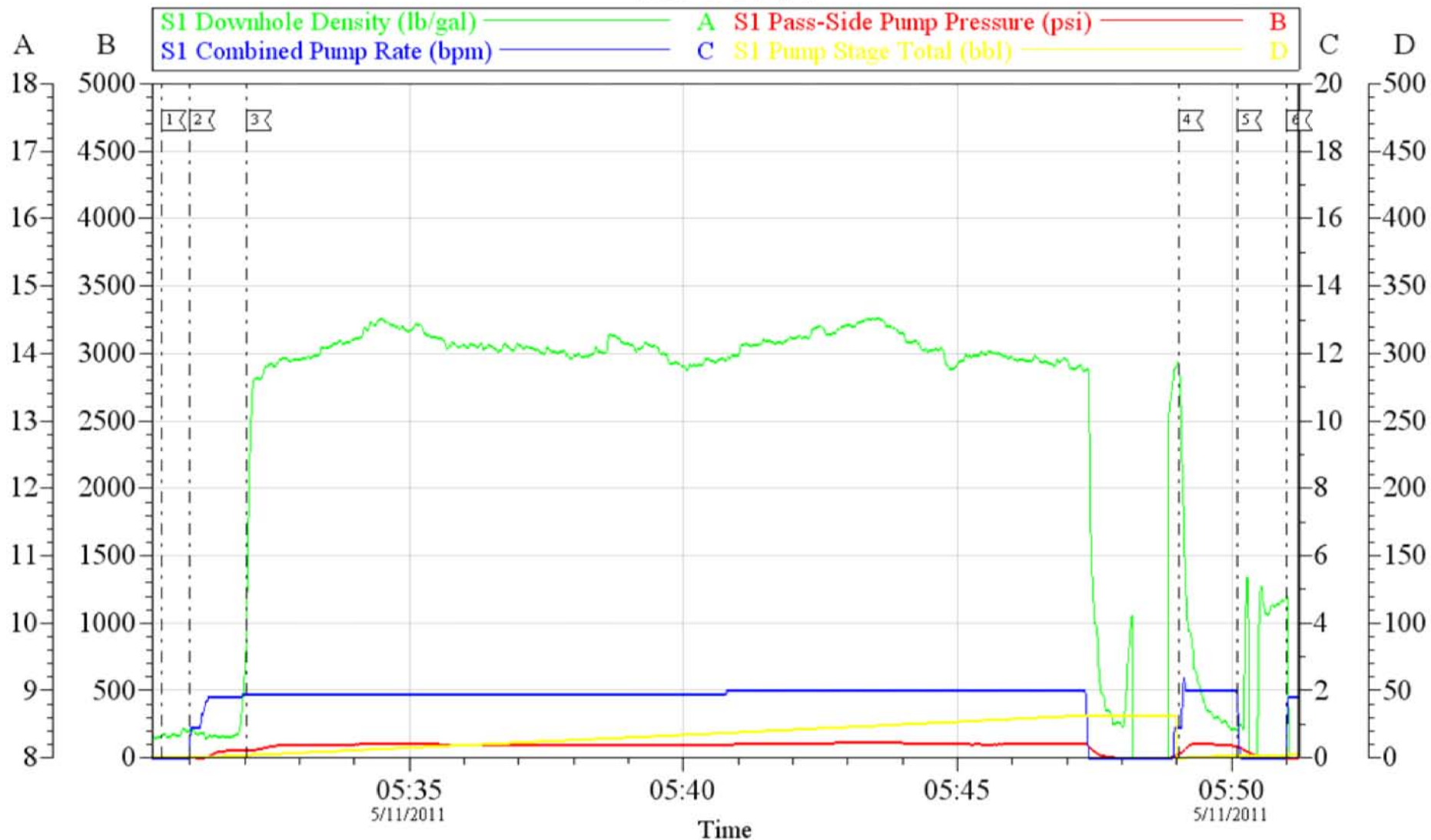


Local Event Log					
1	START JOB	02:51:11	2	START WATER	02:51:38
3	START CEMENT	02:54:44	4	START WATER	03:11:22

Customer: OXY	Job Date: 11-May-2011	Sales Order #: 8144687
Well Description: CC 697-09-02B	Job Type: CEMENT	ADC Used: YES
Company Rep: KEL WYLIE	Cement Supervisor: BILL JAMISON	Elite #: 3 JESSE HAYES

OptiCern v6.4.9
11-May-11 03:22

OXY TOP OUT # 2



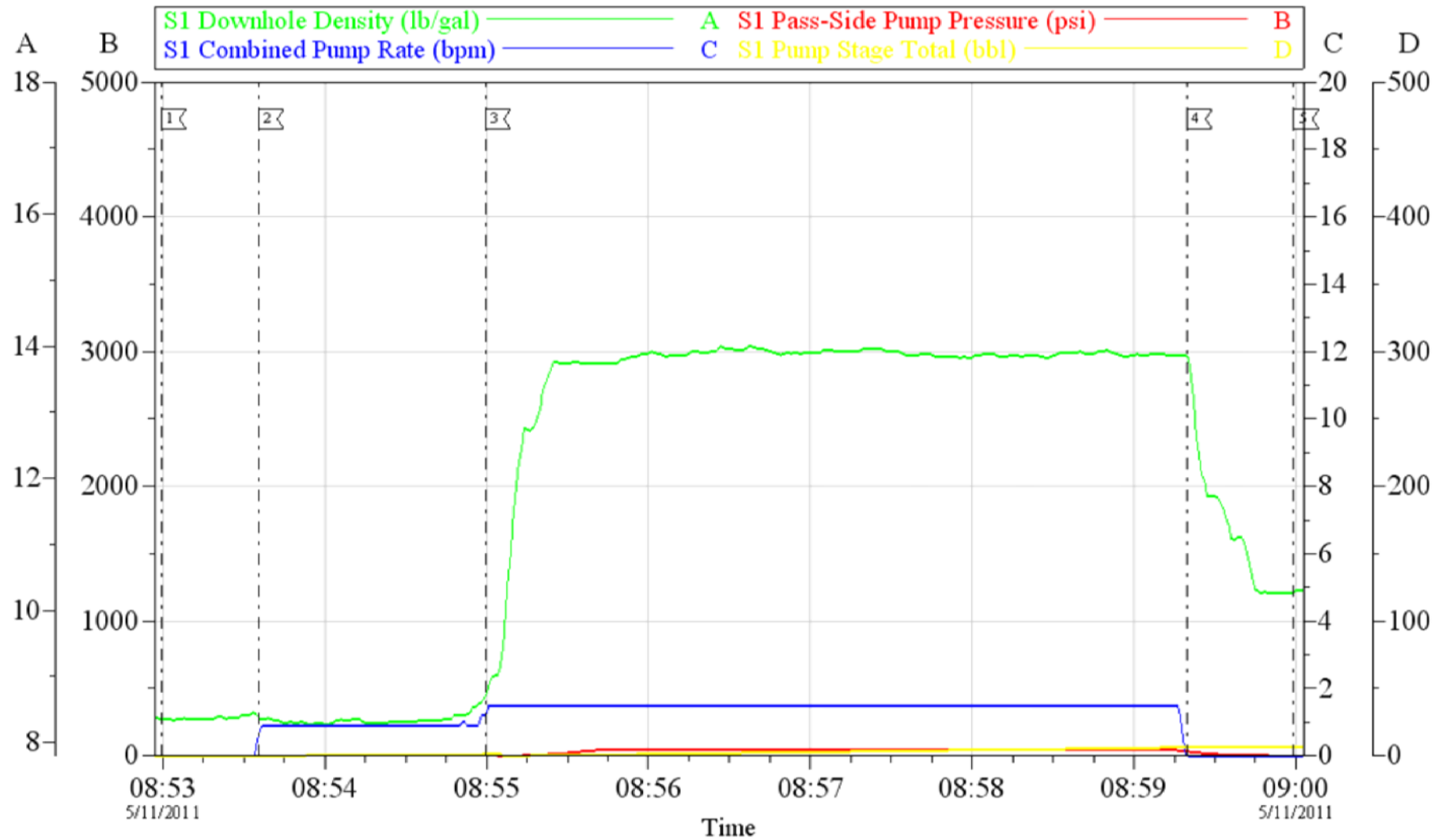
Customer: OXY
Well Description: CC 697-09-02B
Company Rep: WYLIE KEL

Job Date: 11-May-2011
Job Type: CEMENT
Cement Supervisor: BILL JAMISON

Sales Order #: 8144687
ADC Used: YES
Elite #: 3 JESSE HAYES

OptiCern v6.4.9
11-May-11 06:04

OXY TOP OUT #3



Local Event Log					
1	START JOB	08:52:59	2	START WATER	08:53:36
3	START CEMENT	08:55:00	4	SHUT DOWN	08:59:20
5	END JOB	08:59:59			

Customer: OXY
Well Description: CC 697-09-02 B
Company Rep: WYLIE KEL

Job Date: 11-May-2011
Job Type: CENENT
Cement Supervisor: BILL JAMISON

Sales Order #: 8144687
ADC Used: YES
Elite # 3 JESSE HAYES

OptiCem v6.4.9
11-May-11 09:14

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job		1616 <u>Max Psi</u>			
6	Test Lines	5000.0				
9	H2O SPACER	20.0				
10	Gel Water Spacer	20.0				
9	H2O SPACER	20.0				
13	LEAD CEMENT	435.7	1050	12.3	2.33	12.62
15	TAIL CEMENT	62.7	170	12.8	2.07	10.67
	Shut down					
	drop plug					
23	Displace with H2O	204.2				
26	Land Plug	600 PSI				
	Check Floats					
6	Casing Test	1500.0				
6	Release Psi					
	Parasight String	10.0				
	END JOB		Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
204.20	2695	53.35		2641.65	0.0773	653
PSI to Lift Pipe	620	***** <u>Use Mud Scales on Each Tier</u> *****				
Total Displacement	204.20					
CALCULATED DIFFERENTIAL PSI		600		TOTAL FLUID PUMPED		773
Collapse	2020	Burst	3520		SO#	8144687

Sales Order #: 8144687	Line Item: 10	Survey Conducted Date: 5/11/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: KEL WYLIE		API / UWI: (leave blank if unknown) AFEYKC4O5XJIOAIOAAA
Well Name: CC		Well Number: 697-09-02B
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	5/11/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	PRICE JAMISON (HAL9235)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	KEL WYLIE
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	GRATE JOB THANKS
Job DVA	Did we provide job DVA above our normal service today? Circle Y or N	No
Time	Please enter hours in decimal format to nearest quarter hour.	
Other	Enter short text for other efficiencies gained.	
Customer Initials	Customer's Initials	
Please provide details	Please describe how the job efficiencies were gained.	

CUSTOMER SIGNATURE

Sales Order #: 8144687	Line Item: 10	Survey Conducted Date: 5/11/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: KEL WYLIE		API / UWI: (leave blank if unknown) AFEYKC4O5XJIOAIOAAA
Well Name: CC		Well Number: 697-09-02B
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 The date the survey was conducted	5/11/2011

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.	Deviated
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	8
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.	6
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 #: 8144687	Line Item: 10	Survey Conducted Date: 5/11/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: KEL WYLIE		API / UWI: (leave blank if unknown) AFEYKC4O5XJIOAIOAAA
Well Name: CC		Well Number: 697-09-02B
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	98
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	98
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