
OXY GRAND JUNCTION EBUSINESS

**CC 697-08-35A
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
29-Oct-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 8559366	Quote #:	Sales Order #: 8559366
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: Adams, Derick	
Well Name: CC	Well #: 697-08-35A	API/UWI #: 05-045-20093	
Field: GRAND VALLEY	City (SAP):	County/Parish: Garfield	State: Colorado
Lat: N 39.534 deg. OR N 39 deg. 32 min. 2.231 secs.		Long: W 108.242 deg. OR W -109 deg. 45 min. 29.488 secs.	
Contractor: H&P Drilling		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: 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 #
ANDREWS, ANTHONY Michael	14	321604	ARNOLD, EDWARD John	14	439784	BRENNECKE, ANDREW Bailey	14	486345
MILLER II, MATTHEW Reginald	14	425164						

Equipment

HES Unit #	Distance-1 way						
10565341	120 mile	10804567	120 mile	10867423	120 mile	10897887	120 mile
11360871	120 mile	11542767	120 mile	11583933	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
10.28.2011	10	6	10.29.2011	3.5	3.5			

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	28 - Oct - 2011	14:00	MST
Form Type		BHST	Job Started	28 - Oct - 2011	16:31	MST
Job depth MD	2710. ft	Job Depth TVD	2710. ft	Job Completed	29 - Oct - 2011	01:25
Water Depth		Wk Ht Above Floor	. ft	Departed Loc	29 - Oct - 2011	04:00
Perforation Depth (MD)	<i>From</i>	<i>To</i>				

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
14 3/4" Open Hole				14.75				.	2710.		
9 5/8" Surface Casing	New		9.625	8.921	36.		J-55	.	2659.		

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	Water Spacer		20.00	bbl	8.33	.0	.0	4	
2	Gel Spacer		20.00	bbl	.	.0	.0	4	
3	Water Spacer		20.00	bbl	.	.0	.0	4	
4	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	927.0	sacks	12.3	2.33	12.62	6	12.62
	12.62 Gal	FRESH WATER							
5	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	170.0	sacks	12.8	2.07	10.67	6	10.67
	10.67 Gal	FRESH WATER							
6	Displacement		202.00	bbl	.	.0	.0	6	
7	Topout Cement	HALCEM (TM) SYSTEM (452986)	47.0	sacks	12.5	1.97	10.96	2.5	10.96
	10.96 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	202	Shut In: Instant		Lost Returns		Cement Slurry	514.4	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	120	Actual Displacement	202	Treatment	
Frac Gradient		15 Min		Spacers	72	Load and Breakdown		Total Job	788.4
Rates									
Circulating	RIG	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	46.5 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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Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: Adams, Derick	
Well Name: CC	Well #: 697-08-35A	API/UWI #: 05-045-20093	
Field: GRAND VALLEY	City (SAP):	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.534 deg. OR N 39 deg. 32 min. 2.231 secs.		Long: W 108.242 deg. OR W -109 deg. 45 min. 29.488 secs.	
Contractor: H&P Drilling		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: ARNOLD, EDWARD	MBU ID Emp #: 439784

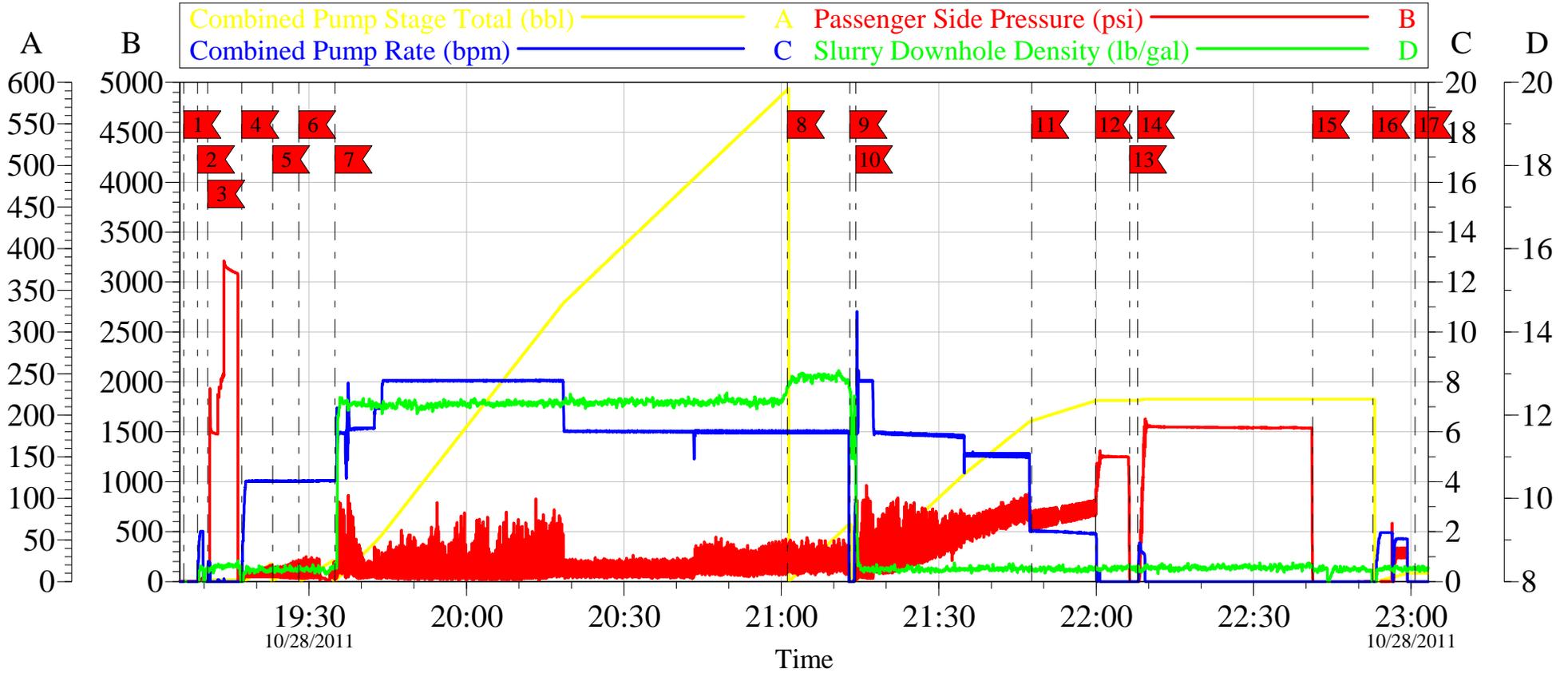
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/28/2011 05:30							
Pre-Convoy Safety Meeting	10/28/2011 08:45							Including entire cement crew.
Crew Leave Yard	10/28/2011 09:00							
Arrive At Loc	10/28/2011 13:45							Rig still Running casing.
Assessment Of Location Safety Meeting	10/28/2011 13:50							Water; PH 7; KCL 250; So4 <200; Fe 0; Calcium 120; Chlorides 0; Temp 60; TDS 190.
Pre-Rig Up Safety Meeting	10/28/2011 17:40							Including entire cement crew.
Rig-Up Equipment	10/28/2011 17:45							1 Elite # 1; 1 Field storage silo; 2 660 bulk trucks; 1 hard line to cellar; 2 lines to uprights; 9.625 compact head.
Rig-Up Completed	10/28/2011 18:30							
Pre-Job Safety Meeting	10/28/2011 18:45							Including everyone on location.
Start Job	10/28/2011 19:19							TD 2710; TP 2659; SJ 46.5; OH 14.75; Casing 9.625" 36# J-55; Mud 9.3 ppg.
Pump Water	10/28/2011 19:20		2	2			38.0	Fill lines with fresh water.
Test Lines	10/28/2011 19:22						3138.0	Good pressure test, no leaks.
Pump Spacer 1	10/28/2011 19:28		4	20			90.0	20 BBL fresh water spacer.
Pump Spacer 2	10/28/2011 19:34		4	20			88.0	20 BBL Gel water spacer.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	10/28/2011 19:39		4	20			70.0	20 BBL fresh water spacer.
Pump Lead Cement	10/28/2011 19:45		6	385			195.0	927 sks Lead Cement, 12.3 ppg, 2.33 cf3, 12.62 gal/sk. Customer ordered 1050 sks and cut 50 bbl of cement off of job. Aprox 120 sks left in silo. Tuff fiber caused pump to pump inefishently, used mix water volume to calculate cement totals.
Pump Tail Cement	10/28/2011 21:11		6	62.7			125.0	170 sks Tail Cement, 12.8 ppg, 2.07 cf3, 10.67 gal/sk.
Shutdown	10/28/2011 21:23							
Drop Plug	10/28/2011 21:23							Plug left container.
Pump Displacement	10/28/2011 21:24		6	192			790.0	Fresh Water Displacement. got 120 BBL of good cement to surface.
Slow Rate	10/28/2011 21:57		2	10			750.0	Slow rate 10 BBL's prior to bumping the plug.
Bump Plug	10/28/2011 22:09				202		1240.0	Bumped plug, took 500 PSI over.
Check Floats	10/28/2011 22:16							Floats held, 1 BBL back
Pressure Up Well	10/28/2011 22:17						1550.0	Pressure Test Casing for 30 min at 1500
Release Casing Pressure	10/28/2011 22:51							
Pump Water	10/28/2011 23:02							Pump out parasite line with 10 BBL water.
End Job	10/28/2011 23:10							Wait on location to measure cement fall back.
Start Job	10/29/2011 01:15							Measured cement at 50 ft from surface.
Other	10/29/2011 01:16		0	1			5.0	Boost 1 BBL ahead.
Pump Cement	10/29/2011 01:17		2.5	16			100.0	47 sks Top Out Cement; 12.5 ppg; 1.97 cf3; 10.96 gal/sk.
Shutdown	10/29/2011 01:24							

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
End Job	10/29/2011 01:25							
Pre-Rig Down Safety Meeting	10/29/2011 01:45							Including entire cement crew.
Rig-Down Equipment	10/29/2011 02:00							
Rig-Down Completed	10/29/2011 03:15							
Pre-Convoy Safety Meeting	10/29/2011 03:20							Including entire cement crew.
Crew Leave Location	10/29/2011 03:30							Crew leave location for Service Center or another location.
Other	10/29/2011 03:30							Thank You for using Halliburton. Ed Arnold and Crew.

OXY

9.625 Surface
CC 697-08-35A



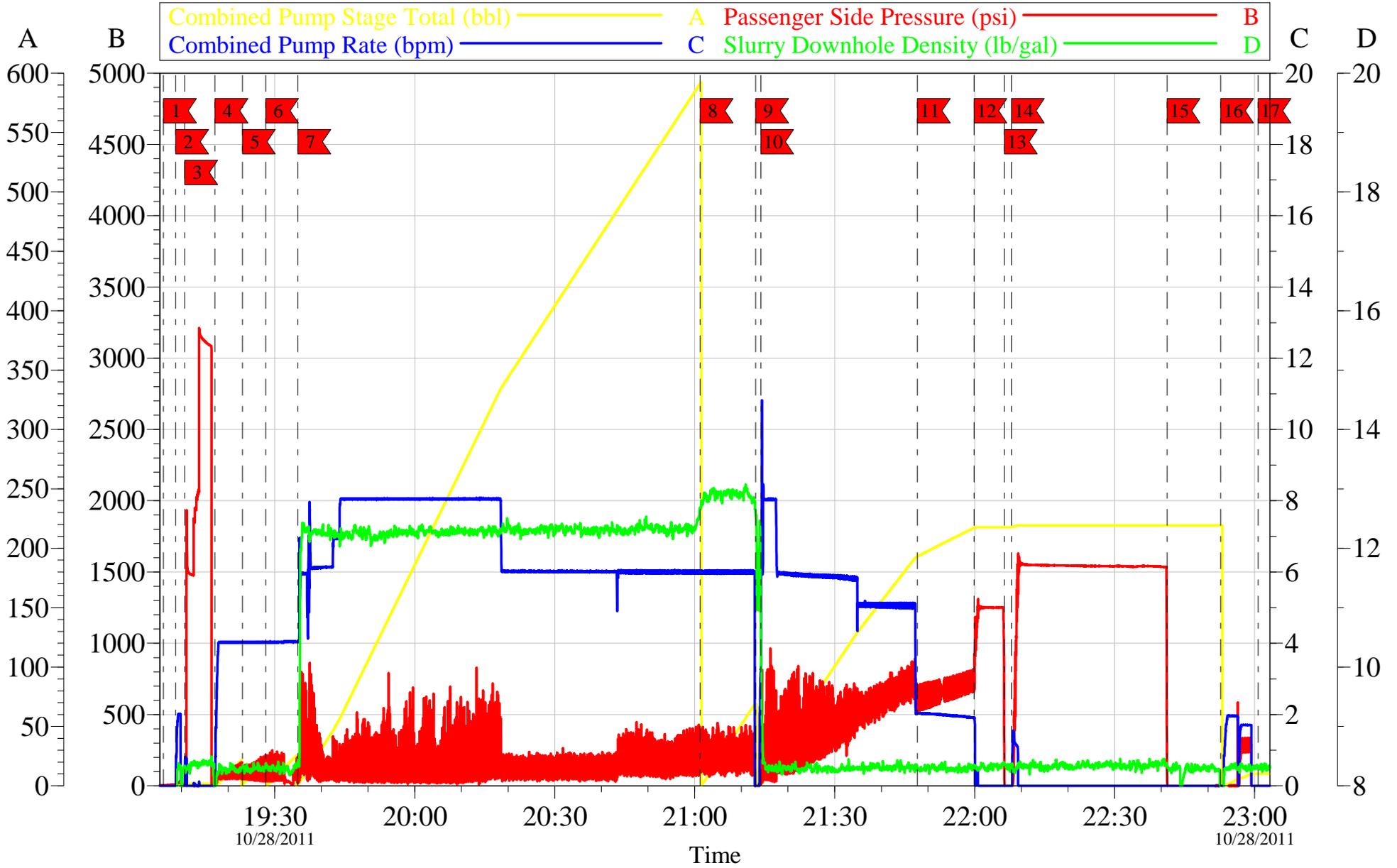
Local Event Log

1	Start Job	19:06:09	2	Fill Lines	19:08:45	3	Test Lines	19:10:41
4	H2O Spacer	19:17:11	5	Gel Spacer	19:23:03	6	H2O Spacer	19:28:02
7	Lead Cement	19:34:56	8	Tail Cement	21:01:11	9	Shut Down	21:13:04
10	H2O Displacement	21:14:10	11	Slow Rate	21:47:44	12	Bump Plug	21:59:51
13	Check Floats	22:06:23	14	Pressure Test Casing	22:07:53	15	Release Pressure	22:41:15
16	Pump Out Parasite	22:52:44	17	End Job	23:00:45			

Customer: OXY	Job Date: 28-Oct-2011	Sales Order #: 8559366
Well Description: CC 697-08035A	Job Type: 9.625 Surface	ADC Used: Yes
Company Rep: Derick Adams	Cement Super: Ed Arnold	Elite #1: Reggie Miller

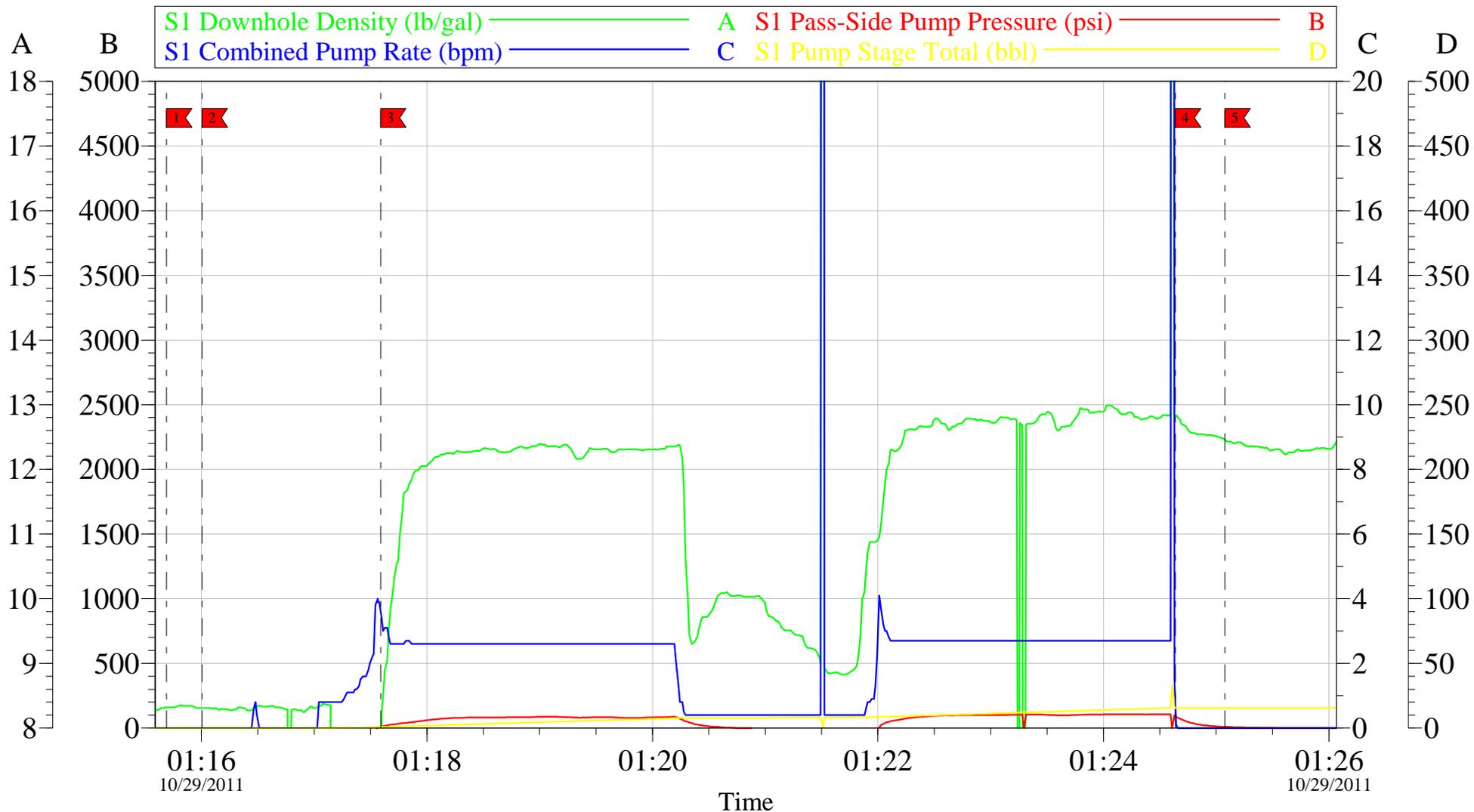
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9.625 Surface
CC 697-08-35A



Customer: OXY	Job Date: 28-Oct-2011	Sales Order #: 8559366
Well Description: CC 697-08035A	Job Type: 9.625 Surface	ADC Used: Yes
Company Rep: Derick Adams	Cement Super: Ed Arnold	Elite #1: Reggie Miller

OXY Top Out CC 697-08-35A



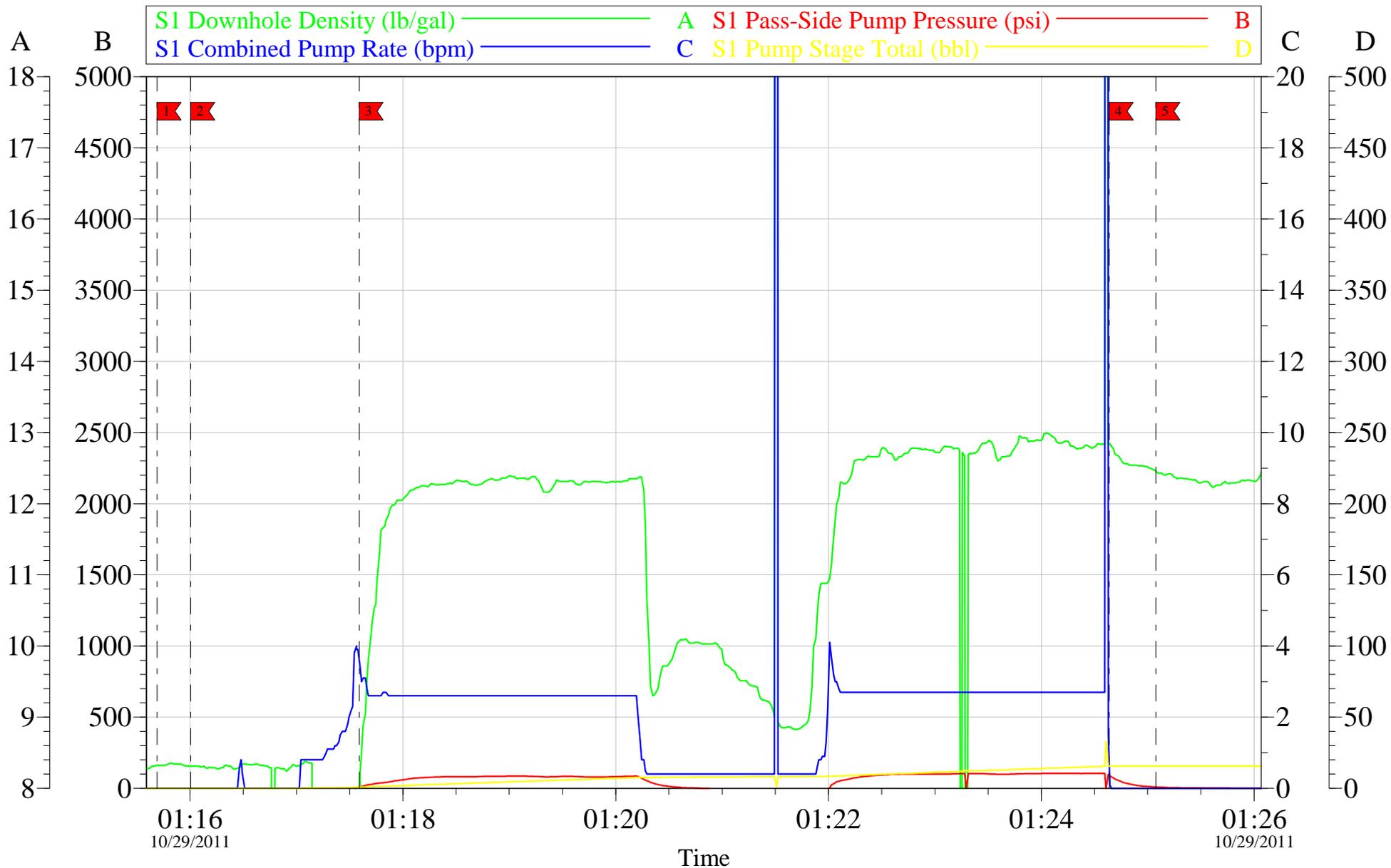
Local Event Log					
1	Start Job	01:15:41	2	Boost Water	01:16:00
3	Cement	01:17:35	4	Shut Down	01:24:38
5	End Job	01:25:05			

Customer: OXY	Job Date: 29-Oct-2011	Sales Order #: 8559366
Well Description: CC 697-08-35A	Job Type: Top Out	ADC Used: Yes
Company Rep: Derick Adams	Cement Supervisor: Ed Arnold	Elite # 1: Reggie Miller

OXY

Top Out

CC 697-08-35A



Customer: OXY	Job Date: 29-Oct-2011	Sales Order #: 8559366
Well Description: CC 697-08-35A	Job Type: Top Out	ADC Used: Yes
Company Rep: Derick Adams	Cement Supervisor: Ed Arnold	Elite # 1: Reggie Miller

HALLIBURTON

Water Analysis Report

Company: OXY Date: 10.28.2011
Submitted by: ED ARNOLD Date Rec.: 10.28.2011
Attention: J.TROUT S.O.#: 8559366
Lease: CC Job Type: SURFACE
Well #: 697-08-35A

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>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	50 Deg
Total Dissolved Solids		190 Mg / L

Respectfully: ED ARNOLD
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 its use

Sales Order #: 8559366	Line Item: 10	Survey Conducted Date: 10/29/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: DERICK ADAMS		API / UWI: (leave blank if unknown) 05-045-20093
Well Name: CC		Well Number: 697-08-35A
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	10/29/2011
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	DERICK ADAMS
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	GOOD JOB

CUSTOMER SIGNATURE
