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**OXY GRAND JUNCTION EBUSINESS**

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**CC 697-04-57B**

**Garfield County , Colorado**

**Cement Surface Casing**

**02-Mar-2012**

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 344034	<b>Ship To #:</b> 344034	<b>Quote #:</b>	<b>Sales Order #:</b> 9107197
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Customer Rep:</b> Benevides, Victor	
<b>Well Name:</b> CC	<b>Well #:</b> 697-04-57B	<b>API/UWI #:</b>	
<b>Field:</b>	<b>City (SAP):</b> DeBeque	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Contractor:</b> H&P 330		<b>Rig/Platform Name/Num:</b> H&P 330	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> HIMES, JEFFREY		<b>Srvc Supervisor:</b> SMITH, CHRISTOPHER	<b>MBU ID Emp #:</b> 452619

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
Courtney, Trevor	14	509351	SALAZAR, PAUL Omar	14	445614	SMITH, CHRISTOPHER Scott	14	452619
VANALSTYNE, TROY L	14	420256	WALPOLE, DARREN Livingston	14	485294			

**Equipment**

HES Unit #	Distance-1 way						
10248065	60 mile	10867423	60 mile	10897887	60 mile	11259884	60 mile
11360871	60 mile	11542767	60 mile				

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
03.01.2012	7.5	2	03.02.2012	7.5	6			

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

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Formation Depth (MD)</b>			<b>On Location</b>	01 - Mar - 2012	08:30	MST
<b>Form Type</b>	BHST		<b>Job Started</b>	01 - Mar - 2012	16:30	MST
<b>Job depth MD</b>	2766. m	<b>Job Depth TVD</b>	2766. m	<b>Job Completed</b>	01 - Mar - 2012	22:15
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	. m	<b>Job Completed</b>	02 - Mar - 2012	05:20
<b>Perforation Depth (MD)</b>	<i>From</i>	<i>To</i>	<b>Departed Loc</b>	02 - Mar - 2012	07:30	MST

**Well Data**

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
<b>Sales/Rental/3<sup>rd</sup> Party (HES)</b>											

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 kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne	

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
1	Fresh Water Spacer		10.00	bbl	8.33	.0	.0	4	
2	Gel Water Spacer		20.00	bbl	8.4	.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	Lead Cement	VERSACEM (TM) SYSTEM (452010)	1070.0	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	Fres Water Displacement		206.00	bbl	8.34	.0	.0	8.0	
7	Topout Cement	HALCEM (TM) SYSTEM (452986)	129.0	sacks	12.5	1.97	10.96	3	10.96
10.96 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	206	Shut In: Instant		Lost Returns		Cement Slurry	507	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	10	Actual Displacement	206	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	753
Rates									
Circulating	RIG	Mixing	6	Displacement	8	Avg. Job	7		
Cement Left In Pipe	Amount	46.87 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*

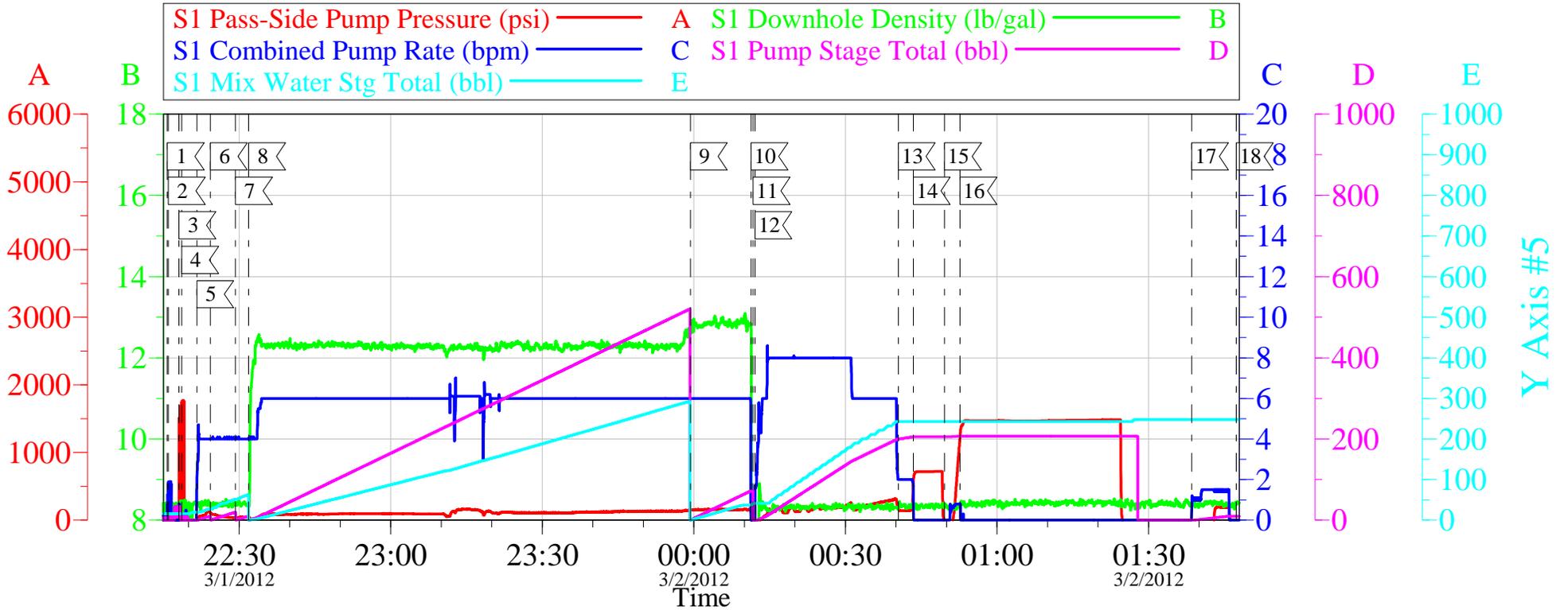
<b>Sold To #:</b> 344034	<b>Ship To #:</b> 344034	<b>Quote #:</b>	<b>Sales Order #:</b> 9107197
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Customer Rep:</b> Benevides, Victor	
<b>Well Name:</b> CC		<b>Well #:</b> 697-04-57B	<b>API/UWI #:</b>
<b>Field:</b>	<b>City (SAP):</b> DeBeque	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b> H&P 330		<b>Rig/Platform Name/Num:</b> H&P 330	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> HIMES, JEFFREY		<b>Srvc Supervisor:</b> SMITH, CHRISTOPHER	<b>MBU ID Emp #:</b> 452619

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Crew Leave Yard	03/01/2012 11:30							
Pre-Convoy Safety Meeting	03/01/2012 11:50							ALL HES PERSONEL
Arrive At Loc	03/01/2012 16:30							RIG RUNNING CASEING.
Assessment Of Location Safety Meeting	03/01/2012 17:00							ALL HES PERSONEL
Rig-Up Equipment	03/01/2012 21:00							
Pre-Job Safety Meeting	03/01/2012 22:00							ALL HES PERSONEL AND RIG CREW
Start Job	03/01/2012 22:15							TD 2766', TP 2716', SJ 46.87', OH 14.75", CSG 9.625" 36# J-55 , MUD 9.3 PPG.
Other	03/01/2012 22:15		2	2			38.0	FILL LINES
Pressure Test	03/01/2012 22:18		0.5	0.5				ALL LINES HELD PRESSURE @ 1900 PSI
Pump Spacer 1	03/01/2012 22:21		4	10			40.0	FRESH WATER
Pump Spacer 2	03/01/2012 22:24		4	20			60.0	LGC SPACER
Pump Spacer 1	03/01/2012 22:29		4	10			40.0	FRESH WATER
Pump Lead Cement	03/01/2012 22:31		6	444			190.0	1070 SKS, 12.3 PPG, 2.33 FT3/SK, 12.62 GAL/SK, SET UP TIME 3:59 @ 70 BC.
Pump Tail Cement	03/01/2012 23:59		6	63			190.0	170 SKS, 12.8 PPG, 2.07 FT3/ SK, 11.67 GAL/SK, SET UP TIME 2:16 @ 70 BC

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	03/02/2012 00:11							
Shutdown	03/02/2012 00:11							
Pump Displacement	03/02/2012 00:12		8	196			330.0	FRESH WATER
Slow Rate	03/02/2012 00:40		2	10			180.0	
Bump Plug	03/02/2012 00:43						750.0	PLUG BUMPED
Check Floats	03/02/2012 00:49							FLOATS HELD
Other	03/02/2012 00:52		0.5	0.5			1500.0	PRESSURE TEST CASEING, HELD PRESSURE FOR 30 MIN.
Other	03/02/2012 01:38		2	10			120.0	PUMP DOWN PARASITE WITH SUGAR WATER
Other	03/02/2012 02:51		2	2			.0	FILL LINES
Pump Cement	03/02/2012 02:55		3	46			115.0	TOP OUT, 129 SKS, 12.5 PPG, 1.97 FT3/SK, 10.96 GAL/SK, SET UP TIME 02:23 @ 70 BC.
Clean Lines	03/02/2012 03:19		3	3			30.0	10 BBLS OF CMT TO SURFACE
End Job	03/02/2012 05:20							NO CIRCULATION DURING SURFACE JOB, 10 BBLS OF CEMENT TO SURFACE ON TOP OUT, JOB WAS PUMPED OFF LINE.
Post-Job Safety Meeting (Pre Rig-Down)	03/02/2012 05:30							ALL HES PERSONEL
Rig-Down Completed	03/02/2012 07:00							
Depart Location Safety Meeting	03/02/2012 07:20							ALL HES PERSONEL
Crew Leave Location	03/02/2012 07:30							
Other	03/02/2012 07:31							THANK YOU FOR CHOOSING HALLIBURTON, CHRIS SMITH AND CREW

# OXY - CC 697-04-57B

9.625 SURFACE

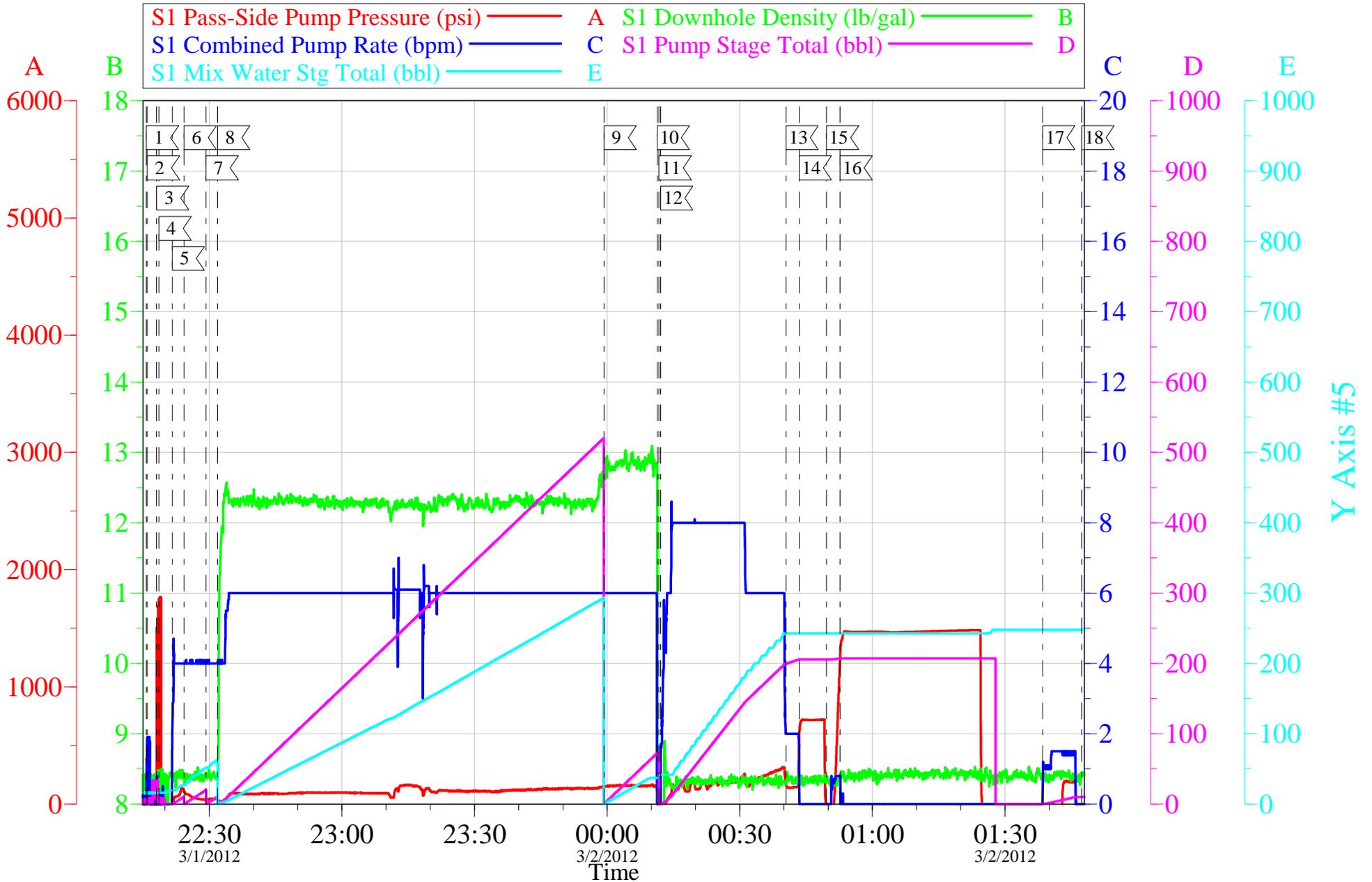


Local Event Log					
1	START JOB	3/1/2012 22:15:47	2	FILL LINES	3/1/2012 22:15:59
3	PRESSURE TEST (LOW)	3/1/2012 22:18:05	4	PRESSURE TEST (HIGH)	3/1/2012 22:18:38
5	H2O SPACER	3/1/2012 22:21:37	6	LGC SPACER	3/1/2012 22:24:19
7	H2O SPACER	3/1/2012 22:29:17	8	LEAD CEMENT	3/1/2012 22:31:54
9	TAIL CEMENT	3/1/2012 23:59:20	10	SHUTDOWN	3/2/2012 00:11:20
11	DROP PLUG	3/2/2012 00:11:45	12	H2O DISPLACEMENT	3/2/2012 00:12:07
13	SLOW RATE	3/2/2012 00:40:30	14	BUMP PLUG	3/2/2012 00:43:26
15	CHECK FLOATS	3/2/2012 00:49:37	16	PRESSURE TEST CSG	3/2/2012 00:52:42
17	SUGAR WATER	3/2/2012 01:38:33	18	SHUTDOWN	3/2/2012 01:47:23

Customer:	OXY GRAND JUNCTION EBUSINESS	Job Date:	01-Mar-2012	Sales Order #:	9107197
Well Description:	CC 697-04-65A	Job Type:	SURFACE	ADC Used:	YES
Company Rep:		Cement Supervisor:	C.SMITH	Elite #1:	P.SALAZAR

# OXY - CC 697-04-57B

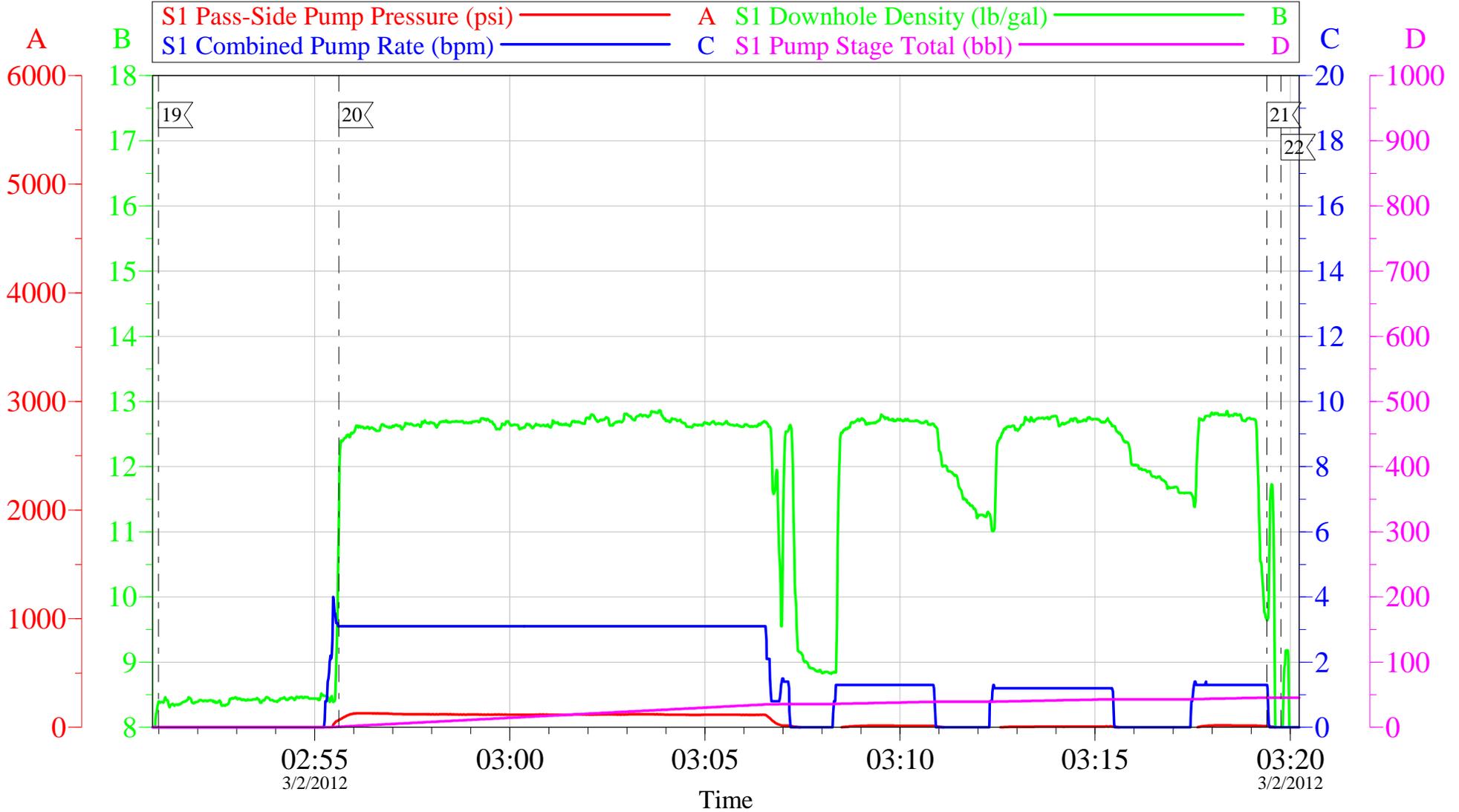
9.625 SURFACE



Customer: OXY GRAND JUNCTION EBUSINESS	Job Date: 01-Mar-2012	Sales Order #: 9107197
Well Description: CC 697-04-65A	Job Type: SURFACE	ADC Used: YES
Company Rep:	Cement Supervisor: C.SMITH	Elite #1: P.SALAZAR

# OXY - CC 697-04-57B

TOP OUT #1

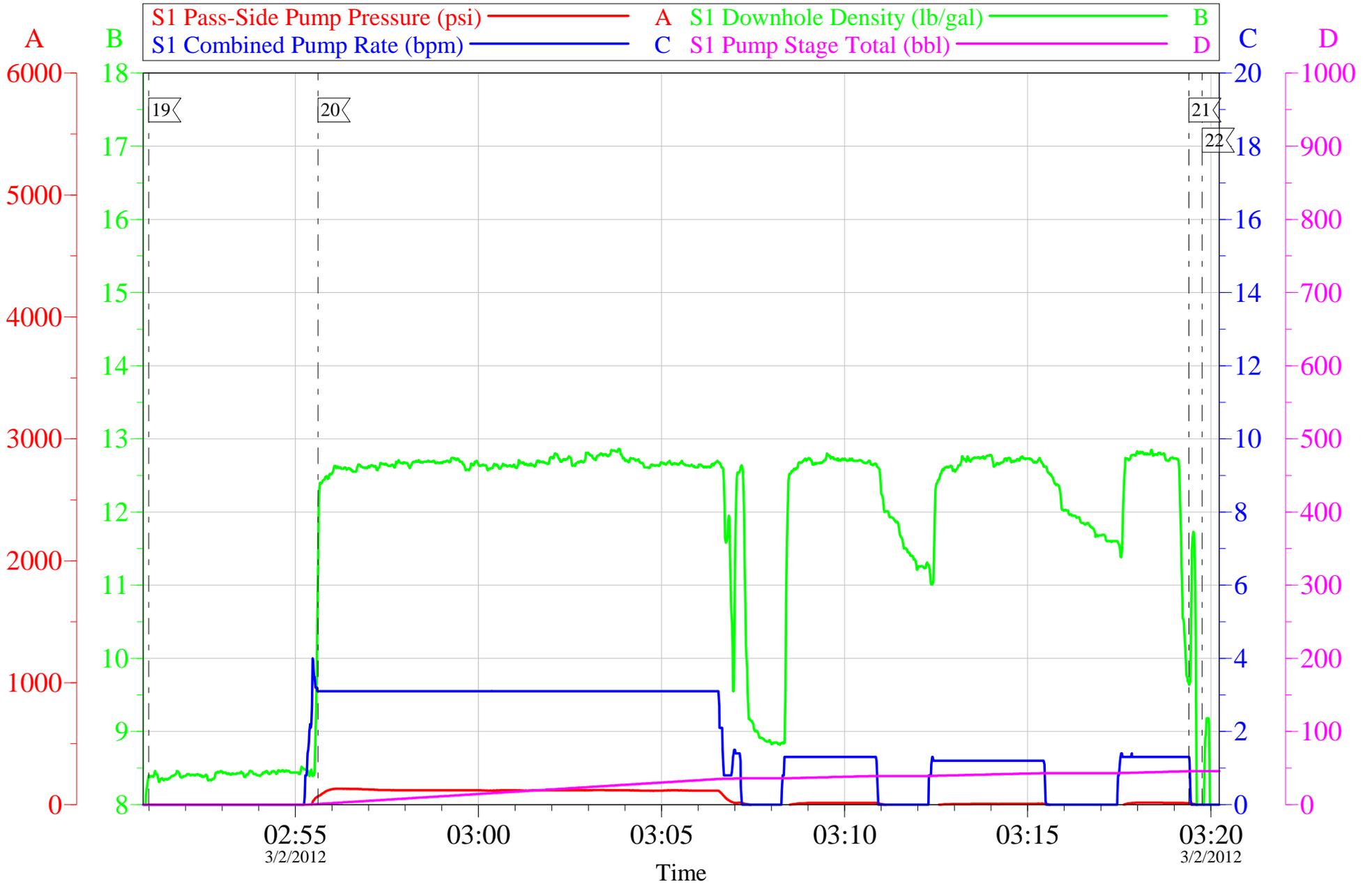


Local Event Log					
19	FILL LINES	02:51:00	20	TOP OUT CEMENT	02:55:37
21	SHUTDOWN	03:19:24	22	CLEAN LINES	03:19:46

Customer:	OXY GRAND JUNCTION EBUSINESS	Job Date:	01-Mar-2012	Sales Order #:	9107197
Well Description:	CC 697-04-65A	Job Type:	SURFACE	ADC Used:	YES
Company Rep:		Cement Supervisor:	C.SMITH	Elite #1:	P.SALAZAR

# OXY - CC 697-04-57B

TOP OUT #1



Customer: OXY GRAND JUNCTION EBUSINESS	Job Date: 01-Mar-2012	Sales Order #: 9107197
Well Description: CC 697-04-65A	Job Type: SURFACE	ADC Used: YES
Company Rep:	Cement Supervisor: C.SMITH	Elite #1: P.SALAZAR

OptiCem v6.4.10  
02-Mar-12 03:33

# HALLIBURTON

## Water Analysis Report

Company: WILLIAMS  
Submitted by: CHRIS SMITH  
Attention: J.Trout  
Lease CC  
Well # 697-04-57B

Date: 03.01.2012  
Date Rec.: 03.01.2012  
S.O.# 9107197  
Job Type: PRODUCTION

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>6.8</b>
Potassium (K)	<i>5000</i>	<b>250 Mg / L</b>
Calcium (Ca)	<i>500</i>	<b>120 Mg / L</b>
Iron (FE2)	<i>300</i>	<b>3 Mg / L</b>
Chlorides (Cl)	<i>3000</i>	<b>0 Mg / L</b>
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>200 Mg / L</b>
Chlorine (Cl <sub>2</sub> )		<b>0 Mg / L</b>
Temp	<i>40-80</i>	<b>50 Deg</b>
Total Dissolved Solids		<b>490 Mg / L</b>

Respectfully: CHRIS SMITH

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.

<b>Sales Order #:</b> 9107197	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/2/2012
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> VICTOR BENEVIDES		<b>API / UWI: (leave blank if unknown)</b> AFEYSKF3K5JQKDYBAAA
<b>Well Name:</b> CC		<b>Well Number:</b> 697-04-57B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> 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	3/2/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER SMITH (HB20137)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	VICTOR BENEVIDES
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	

<b>CUSTOMER SIGNATURE</b>
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<b>Sales Order #:</b> 9107197	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/2/2012
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> VICTOR BENEVIDES		<b>API / UWI: (leave blank if unknown)</b> AFEYSKF3K5JQKDYBAAA
<b>Well Name:</b> CC		<b>Well Number:</b> 697-04-57B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

### KEY PERFORMANCE INDICATORS

General	
<b>Survey Conducted Date</b>	3/2/2012
The date the survey was conducted	

Cementing KPI Survey	
<b>Type of Job</b>	0
Select the type of job. (Cementing or Non-Cementing)	
<b>Select the Maximum Deviation range for this Job</b>	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
<b>Total Operating Time (hours)</b>	6
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
<b>HSE Incident, Accident, Injury</b>	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
<b>Was the job purpose achieved?</b>	Yes
Was the job delivered correctly as per customer agreed design?	
<b>Operating Hours (Pumping Hours)</b>	3
Total number of hours pumping fluid on this job. Enter in decimal format.	
<b>Customer Non-Productive Rig Time (hrs)</b>	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.	
<b>Type of Rig Classification Job Was Performed</b>	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
<b>Number Of JSAs Performed</b>	9
Number Of Jsas Performed	
<b>Number of Unplanned Shutdowns</b>	0
Unplanned shutdown is when injection stops for any period of time.	
<b>Was this a Primary Cement Job (Yes / No)</b>	Yes

<b>Sales Order #:</b> 9107197	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 3/2/2012
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<b>Customer Representative:</b> VICTOR BENEVIDES		<b>API / UWI: (leave blank if unknown)</b> AFEYSKF3K5JQKDYBAAA
<b>Well Name:</b> CC		<b>Well Number:</b> 697-04-57B
<b>Well Type:</b> Development Well	<b>Well Country:</b> United States of America	
<b>H2S Present:</b>	<b>Well State:</b> Colorado	<b>Well County:</b> Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
<b>Did We Run Wiper Plugs?</b> Did We Run Top And Bottom Casing Wiper Plugs?	Top
<b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b> Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	97
<b>Was Automated Density Control Used?</b> Was Automated Density Control (ADC) Used ?	Yes
<b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b> 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	95
<b>Nbr of Remedial Sqz Jobs Rqd - Competition</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
<b>Nbr of Remedial Plug Jobs Rqd - HES</b> Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
<b>Nbr of Remedial Sqz Jobs Rqd - HES</b> Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0