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**OXY GRAND JUNCTION EBUSINESS**

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**CC 697-05-36A  
Parachute  
Garfield County , Colorado**

**Cement Surface Casing  
30-Oct-2011**

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 344034	<b>Ship To #:</b> 2887805	<b>Quote #:</b>	<b>Sales Order #:</b> 8559376
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Customer Rep:</b> VILLEGAS, ALEX	
<b>Well Name:</b> CC		<b>Well #:</b> 697-05-36A	<b>API/UWI #:</b> 05-045-20363
<b>Field:</b> Parachute	<b>City (SAP):</b> ADDISON	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.555 deg. OR N 39 deg. 33 min. 16.272 secs.		<b>Long:</b> W 108.242 deg. OR W -109 deg. 45 min. 27.468 secs.	
<b>Contractor:</b> H&P Drilling		<b>Rig/Platform Name/Num:</b> H&P 353	
<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> MUHLESTEIN, RYAN <b>MBU ID Emp #:</b> 453609	

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROWN, TRAVIS A	14	396848	CHASTAIN, DERICK Allan	14	455848	LESTER, LEVI William	14	474117
MUHLESTEIN, RYAN Herrick	14	453609						

**Equipment**

HES Unit #	Distance-1 way						
10867094	120 mile	10872429	120 mile	10897925	120 mile	11259884	120 mile
11360883	120 mile	11259886	120 mile				

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/29/11	1	0	10/30/11	13	7			

**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>	29 - Oct - 2011	17:00	MST
<b>Form Type</b>		BHST	<b>Job Started</b>	29 - Oct - 2011	23:00	MST
<b>Job depth MD</b>	2725. ft	<b>Job Depth TVD</b>	2725. ft	<b>Job Completed</b>	30 - Oct - 2011	07:25
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	4. ft		30 - Oct - 2011	11:32
<b>Perforation Depth (MD)</b>	From	To	<b>Departed Loc</b>	30 - Oct - 2011	13:00	MST

**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
OPEN HOLE SECTION				14.75				.	2730.		
SURFACE CASING	Unknown		9.625	8.921	36.		J-55	.	2720.		

**Sales/Rental/3<sup>rd</sup> 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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		20.00	bbl	8.33	.0	.0	6.0	
2	Gel Spacer		20.00	bbl	8.33	.0	.0	4.0	
3	Water Spacer		20.00	bbl	8.33	.0	.0	4.0	
4	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	1060.0	sacks	12.3	2.33	12.62	7.0	12.62
	12.62 Gal	FRESH WATER							
5	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	150.0	sacks	12.8	2.07	10.67	7.0	10.67
	10.67 Gal	FRESH WATER							
6	Displacement		203.00	bbl	8.4	.0	.0	6.0	
7	Topout Cement	HALCEM (TM) SYSTEM (452986)		sacks	12.5	1.97	10.96		10.96
	10.96 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	203.2	Shut In: Instant		Lost Returns	561	Cement Slurry	495.2	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	10	Actual Displacement	203.2	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	761.1
Rates									
Circulating		Mixing	7	Displacement	6	Avg. Job	6.5		
Cement Left In Pipe	Amount	45 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> 2887805	<b>Quote #:</b>	<b>Sales Order #:</b> 8559376
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Customer Rep:</b> VILLEGAS, ALEX	
<b>Well Name:</b> CC		<b>Well #:</b> 697-05-36A	<b>API/UWI #:</b> 05-045-20363
<b>Field:</b> Parachute	<b>City (SAP):</b> ADDISON	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 39.555 deg. OR N 39 deg. 33 min. 16.272 secs.		<b>Long:</b> W 108.242 deg. OR W -109 deg. 45 min. 27.468 secs.	
<b>Contractor:</b> H&P Drilling		<b>Rig/Platform Name/Num:</b> H&P 353	
<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> MUHLESTEIN, RYAN	<b>MBU ID Emp #:</b> 453609

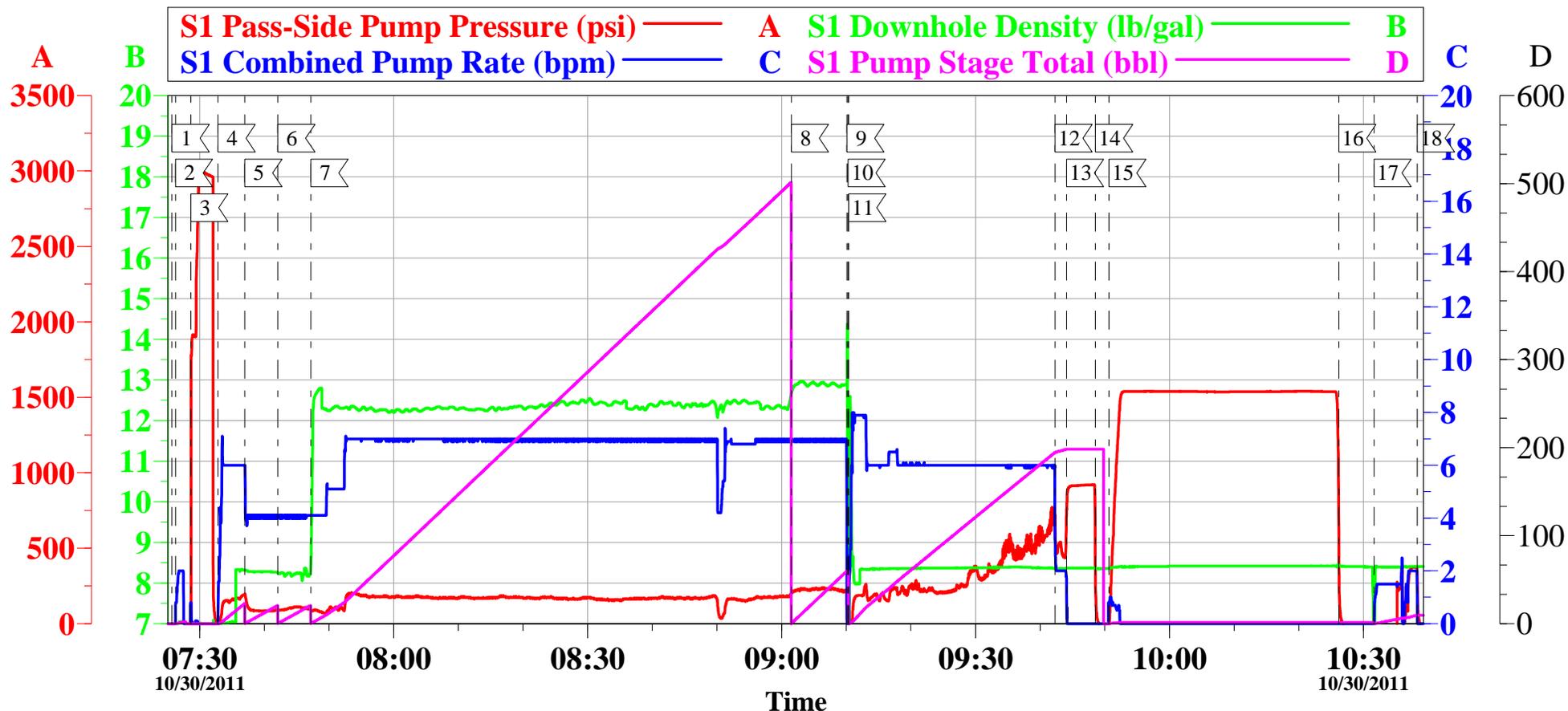
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/29/2011 17:00							
Pre-Convoy Safety Meeting	10/29/2011 19:00							ALL HES EE'S
Arrive At Loc	10/29/2011 23:00							RIG STILL RUNNING
Assessment Of Location Safety Meeting	10/30/2011 05:00							HES SUPERVISOR
Other	10/30/2011 05:10							SPOT HES EQUIPMENT
Pre-Rig Up Safety Meeting	10/30/2011 05:20							ALL HES EE'S
Rig-Up Equipment	10/30/2011 05:30							1 HT 400 PUMP, 2 BULK STORAGE SILOS, 1 660 BULK TRANSPORT, 1 F-450 PICK-UP, 1 PLUG CONTAINER
Circulate Well	10/30/2011 06:45							RIG CRIC. WELL 30 MINS, NO RETURNS. MUD REPORT 9.4 PPG, PV 21, YP 25
Pre-Job Safety Meeting	10/30/2011 07:00							ALL HES EE'S, RIG CREW AND CO REP
Start Job	10/30/2011 07:25	1						TD-2725' TP-2675' SJ-45.9' FC 2629.1' OH 14.75" CASING 9 5/8" 36# J-55, PUMP CMT JOB OFF-LINE
Pump Water	10/30/2011 07:26	2	2	2			33.0	FRESH H2O TO FILL LINES
Test Lines	10/30/2011 07:28	3						HELD 3012 PSI FOR 2 MIN, NO LEAKS
Pump Spacer 1	10/30/2011 07:32	4	6	20			168.0	FRESH H2O

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 2	10/30/2011 07:36	5	4	20			91.0	GEL SPACER 5 GAL PER 20 BBLS
Pump Spacer 1	10/30/2011 07:42	6	4	20			100.0	FRESH H2O
Pump Lead Cement	10/30/2011 07:47	7	7	439.9			240.0	1060 SKS 12.3 PPG 2.33 FT3/SK 12.62 GAL/SK, 7 BOXES TUFF FIBER, WEIGHED VERIFIED VIA MUD SCALES WET AND DRY SAMPLES SUBMITTED, RETURNS TO SURFACE AT 270 BBLS, DROP TO PARTIAL RETURNS AT 390, TOTAL LOST 200 BBLS.
Pump Tail Cement	10/30/2011 09:01	8	7	55.3			263.0	150 SKS 12.8 PPG 2.07 FT3/SK 10.67 GAL/SK, WEIGHED VERIFIED VIA MUD SCALES WET AND DRY SAMPLES SUBMITTED. NO RETURNS
Shutdown	10/30/2011 09:10	9						
Drop Top Plug	10/30/2011 09:10	10						VERIFY PLUG LAUNCHED
Pump Displacement	10/30/2011 09:10	11	6	203.2			750.0	FRESH H2O DISPLACEMENT, NO RETURNS, NO CEMENT TO SURFACE
Slow Rate	10/30/2011 09:42	12	2	193			545.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED
Bump Plug	10/30/2011 09:44	13	2	203.2			961.0	PLUG BUMPED AT 450 PSI PRESSURED UP TO 630 PSI
Check Floats	10/30/2011 09:48	14						FLOATS HELD, 1 BBL BACK TO PUMP TRUCK
Pressure Test	10/30/2011 09:50	15					1553.0	PRESSURE TEST CASING PER CO REP REQUEST, HELD PRESSURE 30 MINS
Release Casing Pressure	10/30/2011 10:26	16						

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Water	10/30/2011 10:31	17	2	10			375.0	PUMP SUGAR WATER THRU PARASITE LINE 10 LBS PER 10 BBLS, CIRCULATED AT 290 PSI, FLOW NOTED TO SURFACE AT 6.5 BBLS AWAY
Shutdown	10/30/2011 10:38	18						
Pump Water	10/30/2011 11:07	19						FRESH H2O, USING 6X5 TO INITIATE FLOW THRU HES IRON, TUB WEIGHED UP FROM BLOWING DOWN BULK
Pump Cement	10/30/2011 11:10	20	2.5	25			91.0	TOPOUT CMT, 72 SKS 12.5 PPG 1.97 FT3/SK 10.96 GAL/SK ALREADY PAID FOR AND ON LOC.
Shutdown	10/30/2011 11:22	21						SHUT DOWN, WAIT TO SEE IF CMT FALLS BACK
Pump Cement	10/30/2011 11:24	22						10 BBLS CMT TO SURFACE
Shutdown	10/30/2011 11:31	23						
End Job	10/30/2011 11:32	24						CO REP RELEASES HES CREW. 50 LBS SUGAR USED, NO ADD HRS CHRGD, NO DERRICK CHG
Pre-Rig Down Safety Meeting	10/30/2011 11:40							ALL HES EE'S
Rig-Down Equipment	10/30/2011 11:45							
Pre-Convoy Safety Meeting	10/30/2011 12:45							ALL HES EE'S
Crew Leave Location	10/30/2011 13:00							THANKS FOR USING HALLIBURTON CEMENT, RYAN MUHLESTEIN AND CREW

# OXY

CC 697-05-36A 9 5/8" SURFACE CASING

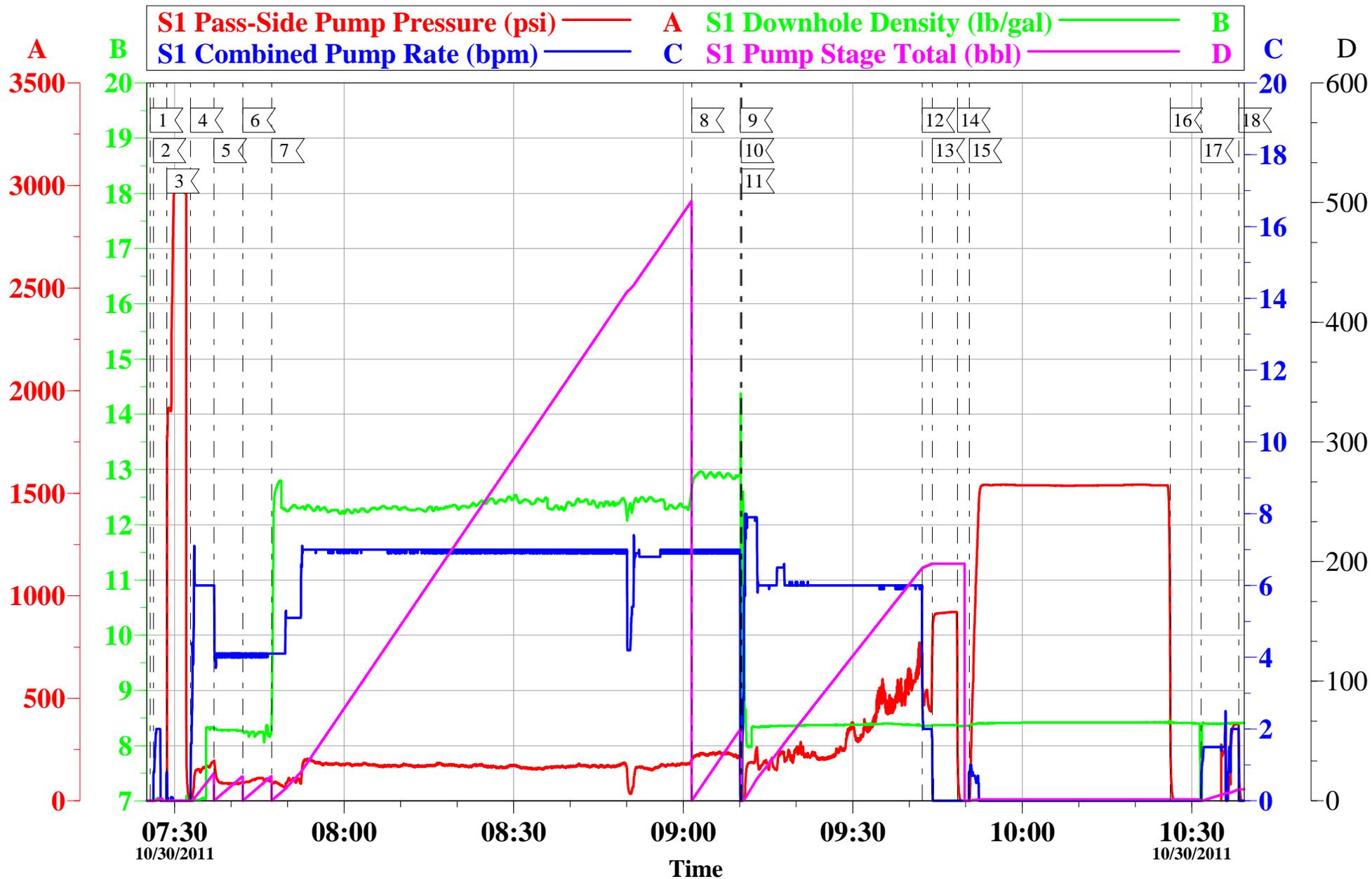


Local Event Log								
1	START JOB	07:25:43	2	PRIME LINES	07:26:13	3	PRESSURE TEST	07:28:36
4	PUMP H2O SPACER	07:32:50	5	PUMP GEL SPACER	07:36:58	6	PUMP H2O SPACER	07:42:03
7	PUMP LEAD CMT	07:47:12	8	PUMP TAIL CMT	09:01:31	9	SHUTDOWN	09:10:06
10	DROP PLUG	09:10:17	11	PUMP DISPLACEMENT	09:10:24	12	SLOW RATE	09:42:18
13	BUMP PLUG	09:44:05	14	CHECK FLOATS	09:48:34	15	PRESSURE TEST CASING	09:50:39
16	RELEASE CASING PSI	10:26:12	17	PUMP H2O ON PARASITE	10:31:40	18	SHUT DOWN	10:38:20

Customer:	OXY	Job Date:	30-Oct-2011	Sales Order #:	8559376
Well Description:	CC 697-05-36A	Job type:	SURFACE	ADC Used:	YES
Customer Rep:	ALEX VILLEGAS	Service Supervisor:	RYAN MUHLESTEIN	Operator/ Pump:	TRAVIS BROWN/ ELITE 1

# OXY

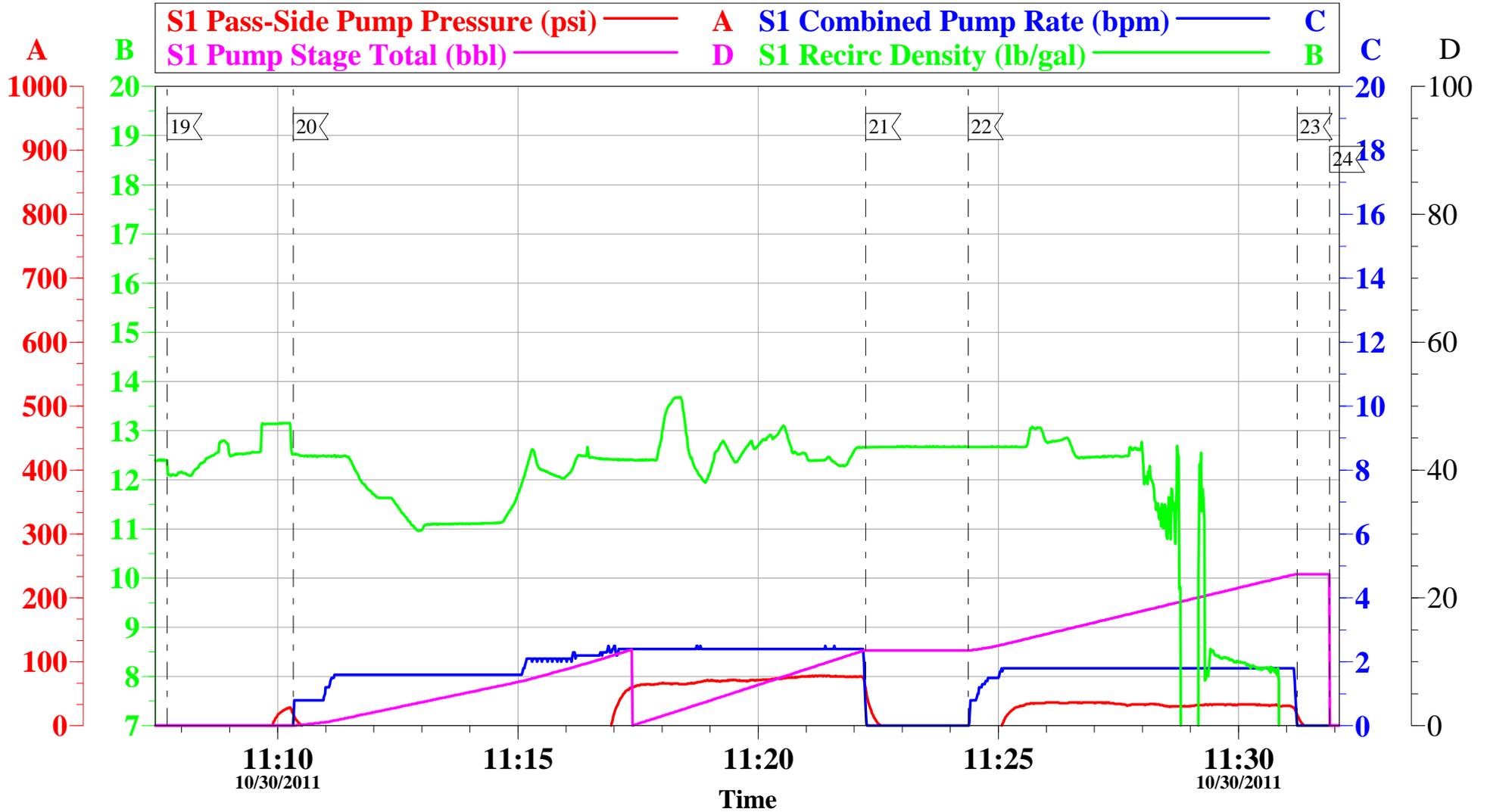
CC 697-05-36A 9 5/8" SURFACE CASING



Customer: OXY	Job Date: 30-Oct-2011	Sales Order #: 8559376
Well Description: CC 697-05-36A	Job type: SURFACE	ADC Used: YES
Customer Rep: ALEX VILLEGAS	Service Supervisor: RYAN MUHLESTEIN	Operator/ Pump: TRAVIS BROWN/ ELITE 1

# OXY

## CC 697-05-36A 9 5/8" SURFACE CASING TOPOUT 1



Local Event Log					
19	PUMP H2O	11:07:42	20	PUMP CMT	11:10:19
21	SHUTDOWN	11:22:14	22	PUMP CMT	11:24:22
23	SHUTDOWN	11:31:13	24	END JOB	11:31:54

Customer: OXY	Job Date: 30-Oct-2011	Sales Order #: 8559376
Well Description: CC 697-05-36A	Job type: SURFACE	ADC Used: YES
Customer Rep: ALEX VILLEGAS	Service Supervisor: RYAN MUHLESTEIN	Operator/ Pump: TRAVIS BROWN/ ELITE 1

# HALLIBURTON

## Water Analysis Report

Company: OXY

Date: 10/30/2011

Submitted by: RYAN MUHLESTEIN

Date Rec.: 10/30/2011

Attention: J. Trout

S.O.# 8559376

Lease CASCADE CREEK

Job Type: SURFACE

Well # 697-05-36A

Specific Gravity	<i>MAX</i>	<b>1</b>
pH	<i>8</i>	<b>7</b>
Potassium (K)	<i>5000</i>	<b>400 Mg / L</b>
Calcium (Ca)	<i>500</i>	<b>250 Mg / L</b>
Iron (FE2)	<i>300</i>	<b>0 Mg / L</b>
Chlorides (Cl)	<i>3000</i>	<b>350 Mg / L</b>
Sulfates (SO <sub>4</sub> )	<i>1500</i>	<b>below 200 Mg / L</b>
Chlorine (Cl <sub>2</sub> )		<b>0 Mg / L</b>
Temp	<i>40-80</i>	<b>55 Deg</b>
Total Dissolved Solids		<b>410 Mg / L</b>

Respectfully: RYAN MUHLESTEIN

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

<b>Sales Order #:</b> 8559376	<b>Line Item:</b> 10	<b>Survey Conducted Date:</b> 10/30/2011
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Job Type (BOM):</b> CMT SURFACE CASING BOM
<b>Customer Representative:</b> ALEX VILLEGAS		<b>API / UWI: (leave blank if unknown)</b> 05-045-20363
<b>Well Name:</b> CC		<b>Well Number:</b> 697-05-36A
<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	10/30/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	RYAN MUHLESTEIN (HB21105)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	ALEX VILLEGAS
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	GREAT 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.	

<b>CUSTOMER SIGNATURE</b>
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