
OXY GRAND JUNCTION EBUSINESS

**CC 697-05-20A
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
23-Oct-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 2885913	Quote #:	Sales Order #: 8551933
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: VILLEGAS, ALEX	
Well Name: CC		Well #: 697-05-20A	API/UWI #: 05-045-20369
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Lat: N 39.555 deg. OR N 39 deg. 33 min. 16.488 secs.		Long: W 108.242 deg. OR W -109 deg. 45 min. 27.684 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: LEIST, JAMES	MBU ID Emp #: 362787

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	9	456683	LEIST, JAMES R	9	362787	SALAZAR, PAUL Omar	9	445614
SINCLAIR, DAN J	9	338784						

Equipment

HES Unit #	Distance-1 way						
10248065	120 mile	10867322	120 mile	10897891	120 mile	11259882	120 mile
11560046	120 mile	11562538	120 mile	6543	120 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10-22-11	16	7	10-23-11	4	2			

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					22 - Oct - 2011	01:30	MST
Form Type			BHST	On Location	22 - Oct - 2011	07:00	MST
Job depth MD	2695. ft		Job Depth TVD	2695. ft	22 - Oct - 2011	14:01	MST
Water Depth			Wk Ht Above Floor	. ft	23 - Oct - 2011	03:41	MST
Perforation Depth (MD)	<i>From</i>		<i>To</i>		23 - Oct - 2011	06:00	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
Sales/Rental/3rd Party (HES)											

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HW, 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	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	
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	

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	Lead Cement	VERSACEM (TM) SYSTEM (452010)	1069.0	sacks	12.3	2.33	12.62	6.5	12.62
	12.62 Gal	FRESH WATER							
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	177.0	sacks	12.8	2.07	10.67	6.5	10.67
	10.67 Gal	FRESH WATER							
6	Displacement		204.00	bbl	8.4	.0	.0	6.5	
7	Topout Cement	HALCEM (TM) SYSTEM (452986)	455.0	sacks	12.5	1.97	10.96	3	10.96
	10.96 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement	204	Shut In: Instant		Lost Returns	772	Cement Slurry	508	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	2	Actual Displacement	204	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	772
Rates									
Circulating		Mixing	6.5	Displacement	6.5	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					

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Well Name: CC		Well #: 697-05-20A	API/UWI #: 05-045-20369
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.555 deg. OR N 39 deg. 33 min. 16.488 secs.		Long: W 108.242 deg. OR W -109 deg. 45 min. 27.684 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: LEIST, JAMES	MBU ID Emp #: 362787

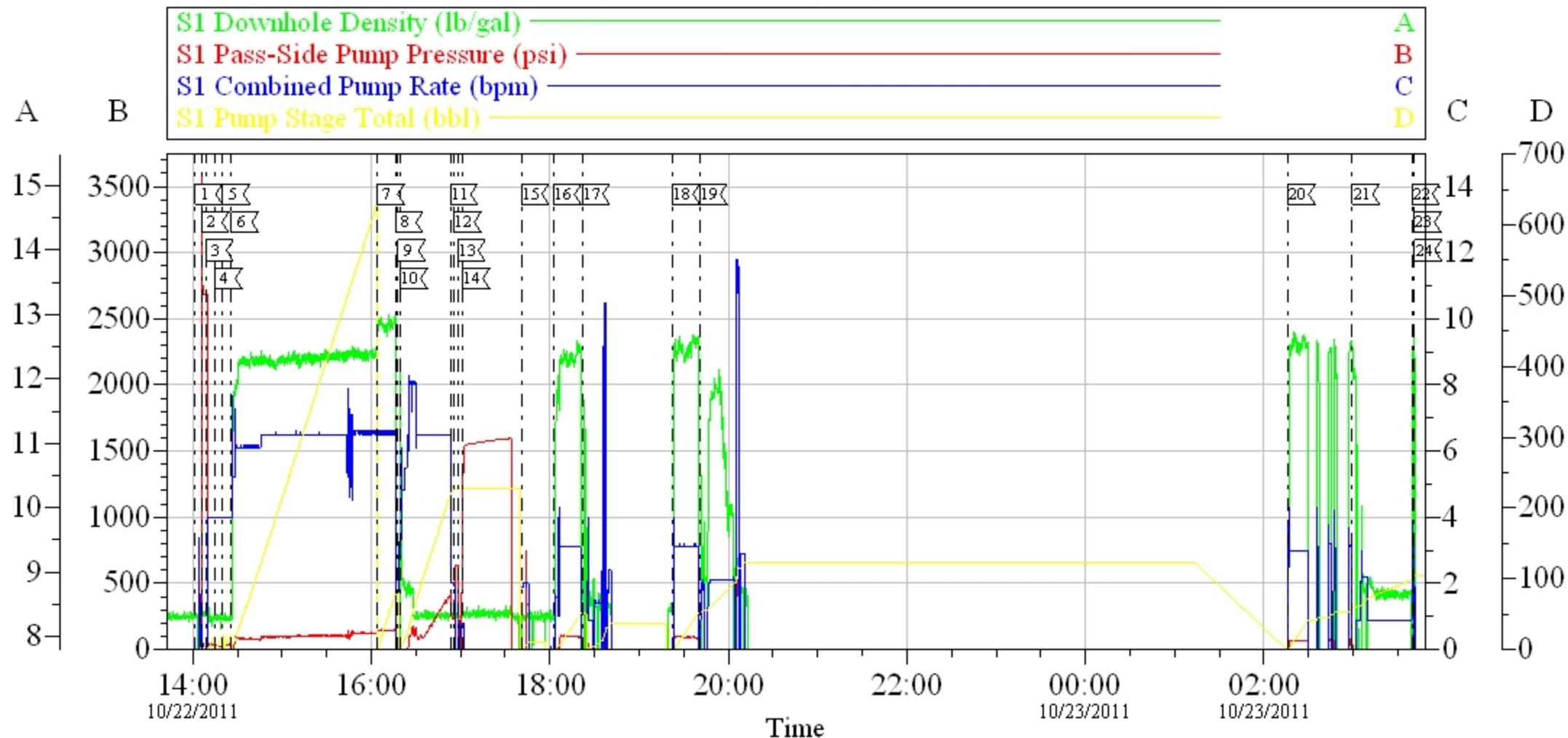
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/22/2011 01:30							
Pre-Convoy Safety Meeting	10/22/2011 03:30							WITH ALL HES PERSONNEL
Arrive At Loc	10/22/2011 07:00							
Pre-Rig Up Safety Meeting	10/22/2011 07:15							WITH ALL ON HES PERSONNEL
Rig-Up Completed	10/22/2011 08:00							
Pre-Job Safety Meeting	10/22/2011 13:45							WITH ALL ON LOCATION PERSONNEL, RIG CIRULATED BOTTOMS UP NO CIRULATION THROUGHOUT JOB
Start Job	10/22/2011 14:03							TP-2695 FT.9.625 J-55 36#, TD-2715 FT., S.J.-45, HOLE- 14 3/4
Pressure Test	10/22/2011 14:05							2687 PSI
Pump Spacer	10/22/2011 14:10		4	20			38.0	FRESH WATER
Pump Spacer	10/22/2011 14:14		4	20			40.0	GEL SPACER
Pump Spacer	10/22/2011 14:20		4	20			40.0	FRESH WATER
Pump Lead Cement	10/22/2011 14:26		6.5	443			150.0	1069 SKS, 1`2.3 PPG, 2.33 FT3/SK, 12.62 GAL/SK, TUFF FIBER MIX ON FLY
Pump Tail Cement	10/22/2011 16:04		6.5	65			180.0	177 SKS, 12.8 PPG, 2.07 FT3/SK, 10.67 GAL/SK
Shutdown	10/22/2011 16:16							TO DROP TOP PLUG

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	10/22/2011 16:17							AWAY
Pump Displacement	10/22/2011 16:18		6.5	204			420.0	FRESH WATER
Slow Rate	10/22/2011 16:53		2	194			280.0	TO BUMP PLUG
Bump Plug	10/22/2011 16:55		2	204			280.0	PLUG BUMPED
Check Floats	10/22/2011 16:58						760.0	HOLDING
Other	10/22/2011 17:01						1573.0	CASING TEST 1573 PSI FOR 30 MIN. HELD
Other	10/22/2011 17:41		2	10			600.0	PUMP PARISITE STRING WITH SUGAR WATER
Pump Cement	10/22/2011 18:02		3	50			120.0	142 SKS, 12.5 PPG, 1.97 FT3/SK, 10.96 GAL/SK
Shutdown	10/22/2011 18:21							
Pump Cement	10/22/2011 19:22		3	50			120.0	142 SKS, 12.5 PPG, 1.97 FT3/SK, 10.96 GAL/SK, WAIT ON TOPOUT TRUCK TO ARRIVE FROM HES
Shutdown	10/22/2011 19:40							
Pump Cement	10/23/2011 02:16		3	50			115.0	142 SKS, 12.5 PPG, 1.97 FT3/SK, 10.96 GAL/SK, CMT TO SURFACE BUT FELL BACK
Shutdown	10/23/2011 02:59							
Pump Cement	10/23/2011 03:39		3	11.5			115.0	33 SKS, 12.5 PPG, 1.97 FT3/SK, 10.96 GAL/SK, CMT TO SURFACE
Shutdown	10/23/2011 03:41							
End Job	10/23/2011 03:41							
Pre-Rig Down Safety Meeting	10/23/2011 04:00							WITH ALL HES PERSONNEL
Rig-Down Completed	10/23/2011 05:45							
Pre-Convoy Safety Meeting	10/23/2011 05:50							WITH ALL HES PERSONNEL

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Comment	10/23/2011 05:50							THANKYOU FOR USING HALLIBURTON CEMENT, JAMES LEIST AND CREW

OXY

SURFACE CASING/TOP OUTS

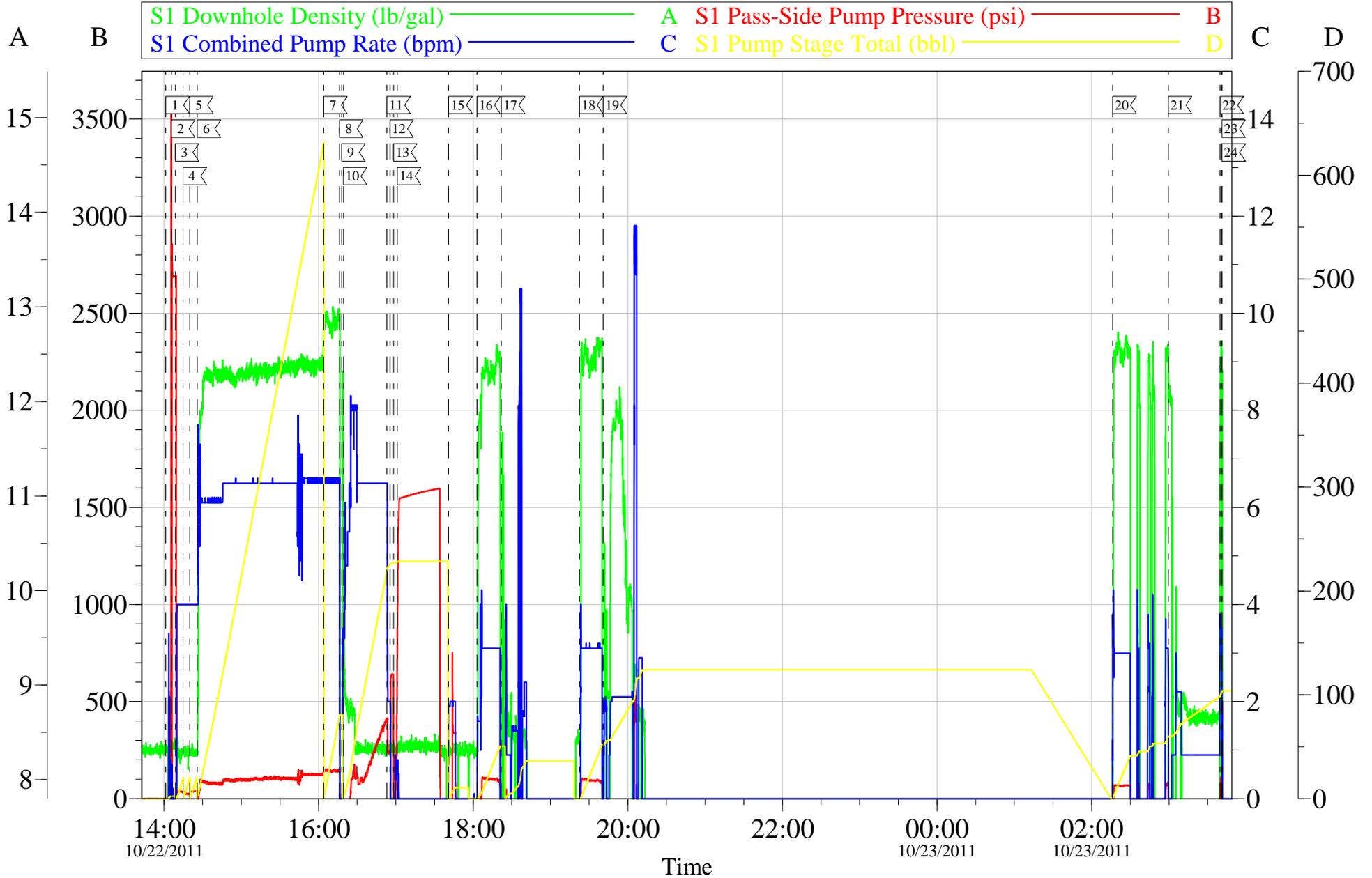


Local Event Log								
1	START JOB	10/22/2011 14:01:32	2	PRESSURE TEST	10/22/2011 14:05:57	3	PUMP H2O SPACER	10/22/2011 14:08:50
4	PUMP GEL SPACER	10/22/2011 14:14:51	5	PUMP H2O SPACER	10/22/2011 14:20:03	6	PUMP LEAD CMT	10/22/2011 14:25:51
7	PUMP TAIL CMT	10/22/2011 16:04:00	8	SHUTDOWN	10/22/2011 16:16:16	9	DROP TOP PLUG	10/22/2011 16:17:55
10	PUMP DISPLACEMENT	10/22/2011 16:19:18	11	SLOW RATE	10/22/2011 16:53:06	12	BUMP PLUG	10/22/2011 16:55:24
13	CHECK FLOATS	10/22/2011 16:58:11	14	CASING TEST	10/22/2011 17:01:12	15	PUMP PARISITE	10/22/2011 17:41:02
16	PUMP TOP OUT 1	10/22/2011 18:02:52	17	SHUTDOWN	10/22/2011 18:21:52	18	PUMP TOPOUT2	10/22/2011 19:22:34
19	SHUTDOWN	10/22/2011 19:40:52	20	PUMP TOPOUT 3	10/23/2011 02:16:27	21	SHUTDOWN	10/23/2011 02:59:30
22	PUMP TOP OUT 4	10/23/2011 03:39:38	23	SHUTDOWN	10/23/2011 03:41:05	24	END JOB	10/23/2011 03:41:09

Customer: OXY	Job Date: 22-Oct-2011	Sales Order #: 8551933
Well Description: CC 697-05-20A	Job Type: SURFACE	ADC Used: YES
Company Rep: ALAX VILLEGAS	Cement Supervisor: JAMES LEIST	Elite #5: PAUL SALAZAR

OXY

SURFACE CASING/TOP OUTS



Customer: OXY	Job Date: 22-Oct-2011	Sales Order #: 8551933
Well Description: CC 697-05-20A	Job Type: SURFACE	ADC Used: YES
Company Rep: ALAX VILLEGAS	Cement Supervisor: JAMES LEIST	Elite #:5 PAUL SALAZAR

Sales Order #: 8551933	Line Item: 10	Survey Conducted Date: 10/23/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: ALAX VILLEGAS		API / UWI: (leave blank if unknown) 05-045-20369
Well Name: CC		Well Number: 697-05-20A
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	10/23/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JAMES LEIST (HX18202)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	ALAX 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	
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 #: 8551933	Line Item: 10	Survey Conducted Date: 10/23/2011
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Customer Representative: ALAX VILLEGAS		API / UWI: (leave blank if unknown) 05-045-20369
Well Name: CC		Well Number: 697-05-20A
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	10/23/2011
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Deviated
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	11
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	9
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	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.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	4
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: CC		Well Number: 697-05-20A
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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