
OXY GRAND JUNCTION EBUSINESS

**CC 697-05-55B
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
20-Jan-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 344034		Ship To #: 2903378		Quote #:		Sales Order #: 9107191	
Customer: OXY GRAND JUNCTION EBUSINESS				Customer Rep: Wylier, Cal			
Well Name: CC			Well #: 697-05-55B		API/UWI #: 05-045-20382		
Field: GRAND VALLEY		City (SAP): ADDISON		County/Parish: Garfield		State: Colorado	
Lat: N 39.554 deg. OR N 39 deg. 33 min. 16.128 secs.				Long: W 108.242 deg. OR W -109 deg. 45 min. 27.504 secs.			
Contractor: H&P 330			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: MAGERS, MICHAEL			MBU ID Emp #: 339439	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BORSZICH, STEPHEN A	13	412388	MAGERS, MICHAEL Gerard	13	339439	PONDER, THOMAS Lynn	13	427112
SINCLAIR, DAN J	13	338784						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10871245	60 mile	10938673	60 mile	10969711	60 mile	11021972	60 mile
11027039	60 mile	11259886	60 mile	11360881	60 mile	6543	60 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
01/19/2012	6	0	1/20/2012	7	5			

TOTAL Total is the sum of each column separately

Job

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top Bottom	Called Out	19 - Jan - 2012	10:30 MST
Form Type BHST	On Location	19 - Jan - 2012	18:00 MST
Job depth MD 2730. ft Job Depth TVD 2730. ft	Job Started	20 - Jan - 2012	00:15 MST
Water Depth Wk Ht Above Floor 3. ft	Job Completed	20 - Jan - 2012	06:02 MST
Perforation Depth (MD) From To	Departed Loc	20 - Jan - 2012	07:30 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
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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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

1	Fresh Water Spacer		10.00	bbl	8.33	.0	.0	5.0	
2	GEL WATER SPACER	SUPER FLUSH 101 - SBM (12199)	20.00	bbl	10.	.0	.0	5.0	
3	Fresh Water Spacer		10.00	bbl	8.33	.0	.0	5.0	
4	12.3 VERSACEM LEAD	VERSACEM (TM) SYSTEM (452010)	1060.0	sacks	12.3	2.33	12.62	6.0	12.62
	12.62 Gal	FRESH WATER							
5	12.8 VERSACEM TAIL	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.07	10.67	6.0	10.67
	10.67 Gal	FRESH WATER							
6	Displacement Fluid		210.00	bbl	8.34	.0	.0	8.0	
Calculated Values		Pressures		Volumes					
Displacement	210	Shut In: Instant		Lost Returns	325	Cement Slurry	499	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	150	Actual Displacement	210	Treatment	
Frac Gradient		15 Min		Spacers	40	Load and Breakdown		Total Job	749
Rates									
Circulating	RIG	Mixing	6	Displacement	6/2	Avg. Job			6
Cement Left In Pipe	Amount	47 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 #: 2903378	Quote #:	Sales Order #: 9107191
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: Wylier, Cal	
Well Name: CC	Well #: 697-05-55B	API/UWI #: 05-045-20382	
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.554 deg. OR N 39 deg. 33 min. 16.128 secs.		Long: W 108.242 deg. OR W -109 deg. 45 min. 27.504 secs.	
Contractor: H&P 330		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		Srv Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Crew Leave Yard	01/19/2012 13:00							HES ALL PRESENT
Arrive At Loc	01/19/2012 18:00							HES ARRIVED ON LOCATION 1 HR EARLY/RIG JUST STARTED RUNNING CASING/RIG CIRCULATED FOR 1 HR WHILE HES RIGGED UP
Assessment Of Location Safety Meeting	01/19/2012 18:10							LOCATION ICY AND SEMI-SNOWPACKED/MUD/W EATHER COLD
Pre-Rig Up Safety Meeting	01/19/2012 22:45							JSA ON RIGGING UP
Rig-Up Equipment	01/19/2012 23:00							1 PICKUP 1 ELITE 1 BULK TRUCK 1 SILO
Safety Huddle	01/20/2012 00:01							RIG CREW AND HES ALL PRESENT
Start Job	01/20/2012 00:15							TD-2730 TP-2714 SJ-47 MW- 9.2 CSG-9 5/8 36# J-55 OH- 14.75"
Other	01/20/2012 00:16		2	2			102.0	FILL LINES
Pressure Test	01/20/2012 00:18		0.5	0.5			5498.0	PSI TEST OK
Pump Spacer 1	01/20/2012 00:24		3	10			77.0	FRESH WATER
Pump Spacer 2	01/20/2012 00:27		3	20			48.0	GEL SPACER 5 GALS LGC 2.5 GALS PER 10 BBLS
Pump Spacer 1	01/20/2012 00:33		3	10			74.0	FRESH WATER

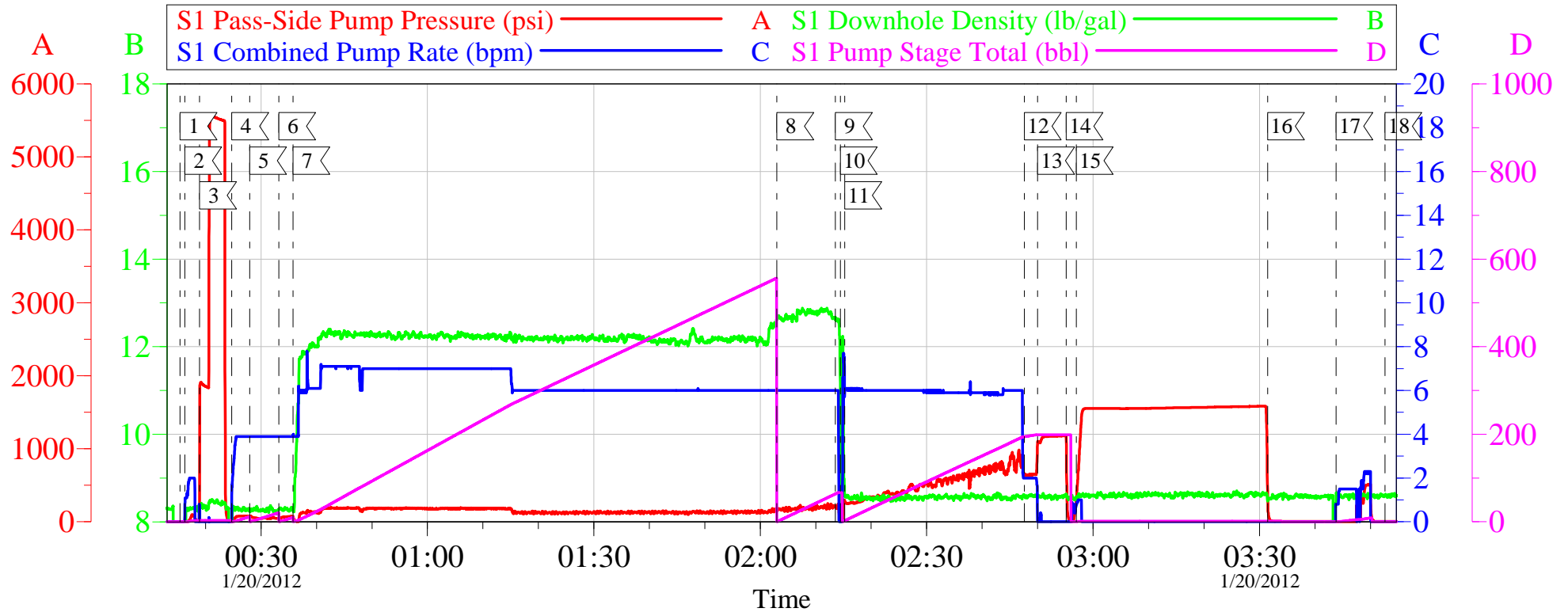
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	01/20/2012 00:35		6	440			188.0	VERSACEM 1060 SKS 12.3 PPG 2.33 FT3/SK 12.62 GAL/SK 7 BOXES OF TUF-FIBER
Pump Tail Cement	01/20/2012 02:02		6	59			200.0	VERSACEM 160 SKS 12.8 PPG 2.07 FT3/SK 10.67 GAL/SK
Shutdown	01/20/2012 02:13							GOT RETURNS AT 194 BBLS INTO LEAD CEMENT/LOST RETURNS AY 234/GAINED RETURNS AT 290 LOST AT 314/HAD RETURNS THROUGHOUT THE REST OF THE JOB AT 350 BBLS INTO LEAD CEMENT
Drop Plug	01/20/2012 02:14							PLUG AWAY NO PROBLEMS
Pump Displacement	01/20/2012 02:15		6	210			930.0	FRESH WATER
Slow Rate	01/20/2012 02:47		2	195			691.0	GOT 150 BBLS BACK TO SURFACE
Bump Plug	01/20/2012 02:50		2	210			652.0	BUMPED PLUG
Check Floats	01/20/2012 02:55			210			1162.0	FLOATS HELD/GOT 1 BBL BACK INTO TANK
Pressure Test	01/20/2012 02:56		1	1			1530.0	PRESURE TEST 9 625. SURFACE CASING TO 1500 PSI
Release Casing Pressure	01/20/2012 03:31						1590.0	RELEASE PRESSURE AT 1590 PSI
Pump Spacer 1	01/20/2012 03:43		2.25	10			501.0	PUMP 10 BBLS OF SUGAR WATER
End Job	01/20/2012 03:52							SHUT DOWN CEMENT FELL BACK 50' / PER COMPANY REP TOPOUT AT 5:00AM
Start Job	01/20/2012 05:20							RIG UP TO 1 INCH PIPE
Pump Spacer 1	01/20/2012 05:21		1	0.5				FRESH WATER
Pump Cement	01/20/2012 05:23		2.5	8			21.0	TOPOUT 108 SKS 12.5 PPG 1.97 FT3/SK 10.96 GAL/SK 38 BBLS TOTAL OF TOPOUT PUMPED

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	01/20/2012 05:29							
Pump Cement	01/20/2012 05:34		2.5	7			17.0	TOPOUT/CEMENT TO SURFACE
Shutdown	01/20/2012 05:38							
Pump Cement	01/20/2012 05:48		2.5	8			21.0	TOPOUT TO SURFACE
Shutdown	01/20/2012 05:52							
Pump Cement	01/20/2012 05:55		2.5	6			21.0	TOPOUT TO SURFACE
Shutdown	01/20/2012 05:58							
Pump Cement	01/20/2012 06:00		1	1			1.0	TOPOUT TO SURFACE
Shutdown	01/20/2012 06:01		2.5	8				SENT 8 BBLS OF CEMENT TO THE PIT/STILL HAD CEMENT IN TUBS
End Job	01/20/2012 06:02							THANKS FOR USING HES AND THE CREW OF MIKE MAGERS

OXY H&P 353 CC 697-05-55B

9.625 SURFACE



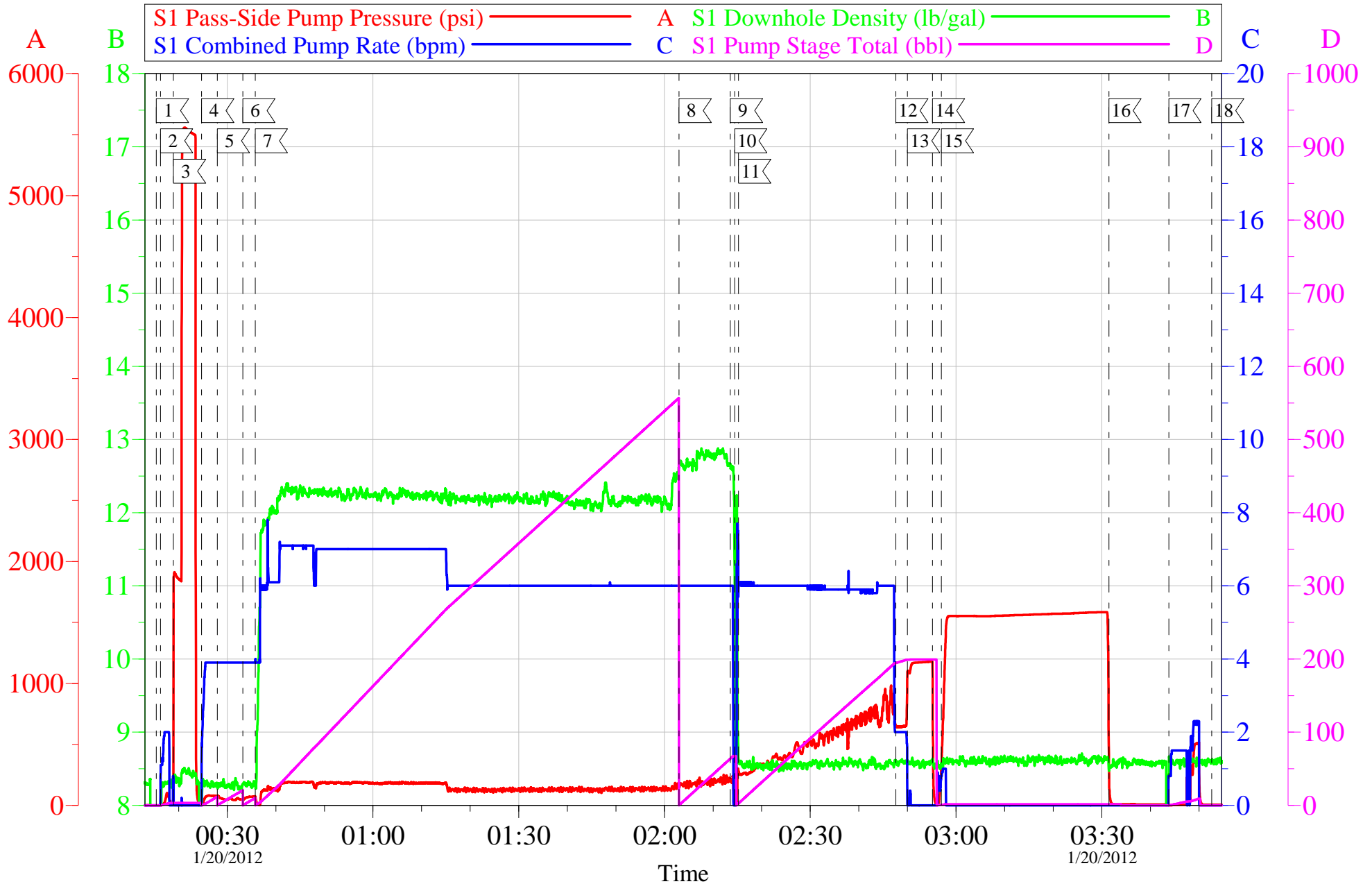
Local Event Log					
1	START JOB	00:15:25	2	FILL LINES	00:16:16
3	PRESSURE TEST	00:18:56	4	PUMP SPACER	00:24:45
5	PUMP GEL SPACER	00:27:57	6	PUMP SPACER	00:33:13
7	PUMP LEAD CEMENT	00:35:47	8	PUMP TAIL CEMENT	02:02:59
9	SHUT DOWN	02:13:33	10	DROP PLUG	02:14:26
11	PUMP FRSH WTR DISPLACEMENT	02:15:14	12	SLOW RATE	02:47:35
13	BUMP PLUG	02:50:00	14	CHECK FLOATS	02:55:09
15	PRESSURE TEST CASING	02:56:58	16	RELEASE PRESSURE	03:31:27
17	PUMP SUGAR WATER	03:43:47	18	END JOB	03:52:35

Customer:	OXY H&P 353	Job Date:	19-Jan-2012	Sales Order #:	9107191
Well Description:	CC 697-05-55B	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	CAL WYLER	Cement Supervisor:	MIKE MAGERS	Elite # 8	STEVE BORSZICH

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20-Jan-12 04:21

OXY H&P 353 CC 697-05-55B

9.625 SURFACE

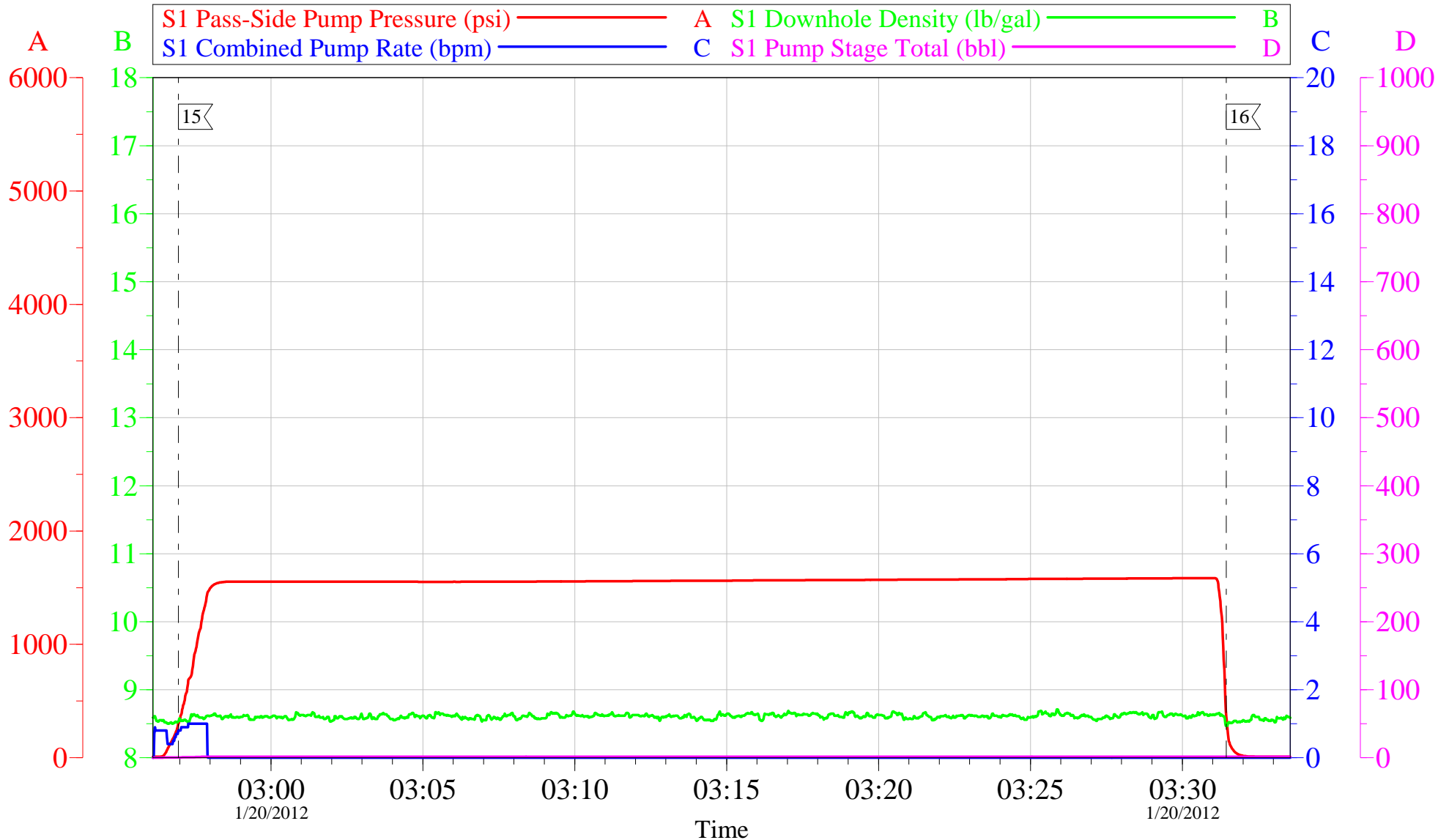


Customer:	OXY H&P 353	Job Date:	19-Jan-2012	Sales Order #:	9107191
Well Description:	CC 697-05-55B	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	CAL WYLER	Cement Supervisor:	MIKE MAGERS	Elite # 8	STEVE BORSZICH

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20-Jan-12 04:23

OXY H&P 353 CC 697-05-55B

CASING PRESSURE TEST



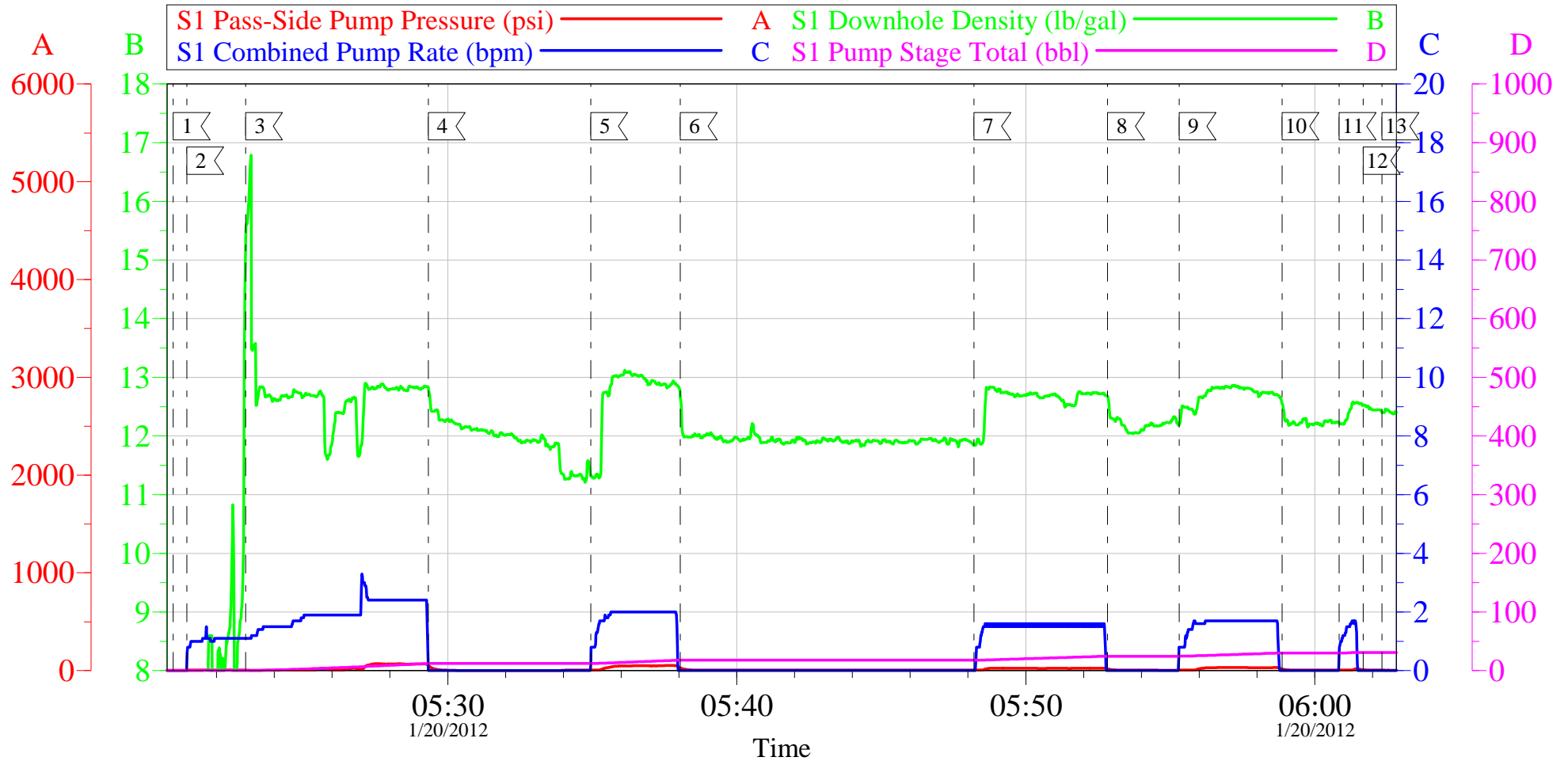
Local Event Log			
15	PRESSURE TEST CASING	02:56:58	16 RELEASE PRESSURE 03:31:27

Customer:	OXY H&P 353	Job Date:	19-Jan-2012	Sales Order #:	9107191
Well Description:	CC 697-05-55B	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	CAL WYLIER	Cement Supervisor:	MIKE MAGERS	Elite # 8	STEVE BORSZICH

OptiCem v6.4.10
20-Jan-12 04:25

OXY H&P 353 CC 697-05-55B

TOPOUT 1



Local Event Log

1 START JOB	05:20:30	2 PUMP WATER SPACER	05:20:58	3 PUMP TOPOUT	05:23:00
4 SHUT DOWN	05:29:19	5 PUMP TOPOUT	05:34:57	6 SHUTDOWN	05:38:03
7 PUMP TOPOUT	05:48:13	8 SHUT DOWN	05:52:50	9 PUMP TOPOUT	05:55:19
10 SHUT DOWN	05:58:52	11 PUMP TOPOUT	06:00:51	12 SHUTDOWN	06:01:41
13 END JOB	06:02:20				

Customer: OXY H&P 353
Well Description: CC 697-05-55B
Company Rep: CAL WYLER

Job Date: 20-Jan-2012
Job Type: TOPOUT 1
Cement Supervisor: MIKE MAGERS

Sales Order #: 9107191
ADC Used: YES
Elite # 8 STEVE BORSZICH

OptiCem v6.4.10
20-Jan-12 06:42

Sales Order #: 9107191	Line Item: 10	Survey Conducted Date: 1/20/2012
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CAL WYLIER		API / UWI: (leave blank if unknown) 05-045-20382
Well Name: CC		Well Number: 697-05-55B
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	1/20/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHAEL MAGERS (HX13672)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	CAL WYLIER
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	CIR CEMENT TO SURFACE, GOOD JOB

CUSTOMER SIGNATURE

Sales Order #: 9107191	Line Item: 10	Survey Conducted Date: 1/20/2012
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CAL WYLIER		API / UWI: (leave blank if unknown) 05-045-20382
Well Name: CC		Well Number: 697-05-55B
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 The date the survey was conducted	1/20/2012

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.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	7
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.	5
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	4
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 #: 9107191	Line Item: 10	Survey Conducted Date: 1/20/2012
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CAL WYLIER		API / UWI: (leave blank if unknown) 05-045-20382
Well Name: CC		Well Number: 697-05-55B
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	94
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	94
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