
OXY GRAND JUNCTION EBUSINESS

**CC 697-08-27B
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
24-Oct-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 344034		Ship To #: 344034		Quote #:		Sales Order #: 8551941	
Customer: OXY GRAND JUNCTION EBUSINESS				Customer Rep: Benevides, Victor			
Well Name: CC			Well #: 697-08-27B			API/UWI #: 05-045-20091	
Field: GRAND VALLEY		City (SAP): ADDISON		County/Parish: Garfield		State: Colorado	
Lat: N 39.534 deg. OR N 39 deg. 32 min. 2.303 secs.				Long: W 108.242 deg. OR W -109 deg. 45 min. 29.516 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				Srv 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 #
HAYES, JESSE Doug	9	403601	MAGERS, MICHAEL Gerard	9	339439	MCKAY, PATRICK Joseph	9	496671
SINCLAIR, DAN J	9	338784						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248057	120 mile	10565341	120 mile	10804567	120 mile	10872429	120 mile
11259885	120 mile	11360883	120 mile	6374L	120 mile	11749249	120 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/24/2011	9	6						

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To
				BHST	2714. ft				
					Job Depth TVD	2714. ft			
					Wk Ht Above Floor	2. ft			

Job Times

Date	Time	Time Zone
24 - Oct - 2011	00:30	MST
24 - Oct - 2011	11:00	MST
24 - Oct - 2011	13:12	MST
24 - Oct - 2011	18:46	MST
24 - Oct - 2011	20:00	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
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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 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	.0	
2	Gel Spacer		20.00	bbl	.	.0	.0	.0	
3	Water Spacer		20.00	bbl	.	.0	.0	.0	
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)	1050.0	sacks	12.3	2.33	12.62		12.62
		12.62 Gal	FRESH WATER						
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	170.0	sacks	12.8	2.07	10.67		10.67
		10.67 Gal	FRESH WATER						
6	Displacement		202.00	bbl	.	.0	.0	.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	202.3	Shut In: Instant		Lost Returns	230	Cement Slurry	499	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	100	Actual Displacement	202	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	761
Rates									
Circulating	RIG	Mixing	7	Displacement	7/2	Avg. Job	7		
Cement Left In Pipe	Amount	0 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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Well Name: CC	Well #: 697-08-27B	API/UWI #: 05-045-20091	
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Legal Description:			
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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: 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	10/24/2011 03:30							HES ALL PRESENT
Arrive At Loc	10/24/2011 11:00							HES ARRIVED ON LOCATION 3.5 HRS EARLY. RIG RUNNING CASING/RIG CIRCULATED FOR 1 HOUR
Assessment Of Location Safety Meeting	10/24/2011 11:05							LOCATION IN GOOD CONDITION. LOTS OF ROOM TO WORK WITH
Pre-Rig Up Safety Meeting	10/24/2011 11:10							JSA ON RIGGING UP/OFF LINE RIG UP UNDERNEATH CELLAR
Rig-Up Equipment	10/24/2011 11:15							1 PICKUP 1 ELITE 1 BULK TRUCK 1 BODYLOAD 2 SILO'S
Safety Huddle	10/24/2011 13:00							RIG CREW AND HES ALL PRESENT
Start Job	10/24/2011 13:12							TD- 2714' TP-2663' SJ- 46' MW-9.3 CSG- 9 5/8" 36# J-55 OH-14 3/4" CONDUCTOR SET AT 81'
Other	10/24/2011 13:14		2	2			40.0	FILL LINES
Pressure Test	10/24/2011 13:17		0.5	0.5			5100.0	PSI TEST OK
Pump Spacer 1	10/24/2011 13:23		4	20			123.0	FRESH WATER
Pump Spacer 2	10/24/2011 13:28		4	20			88.0	GEL WATER SPACER MIXED WITH 5 GAL LGC 2.5 GAL PER 10 BBLs

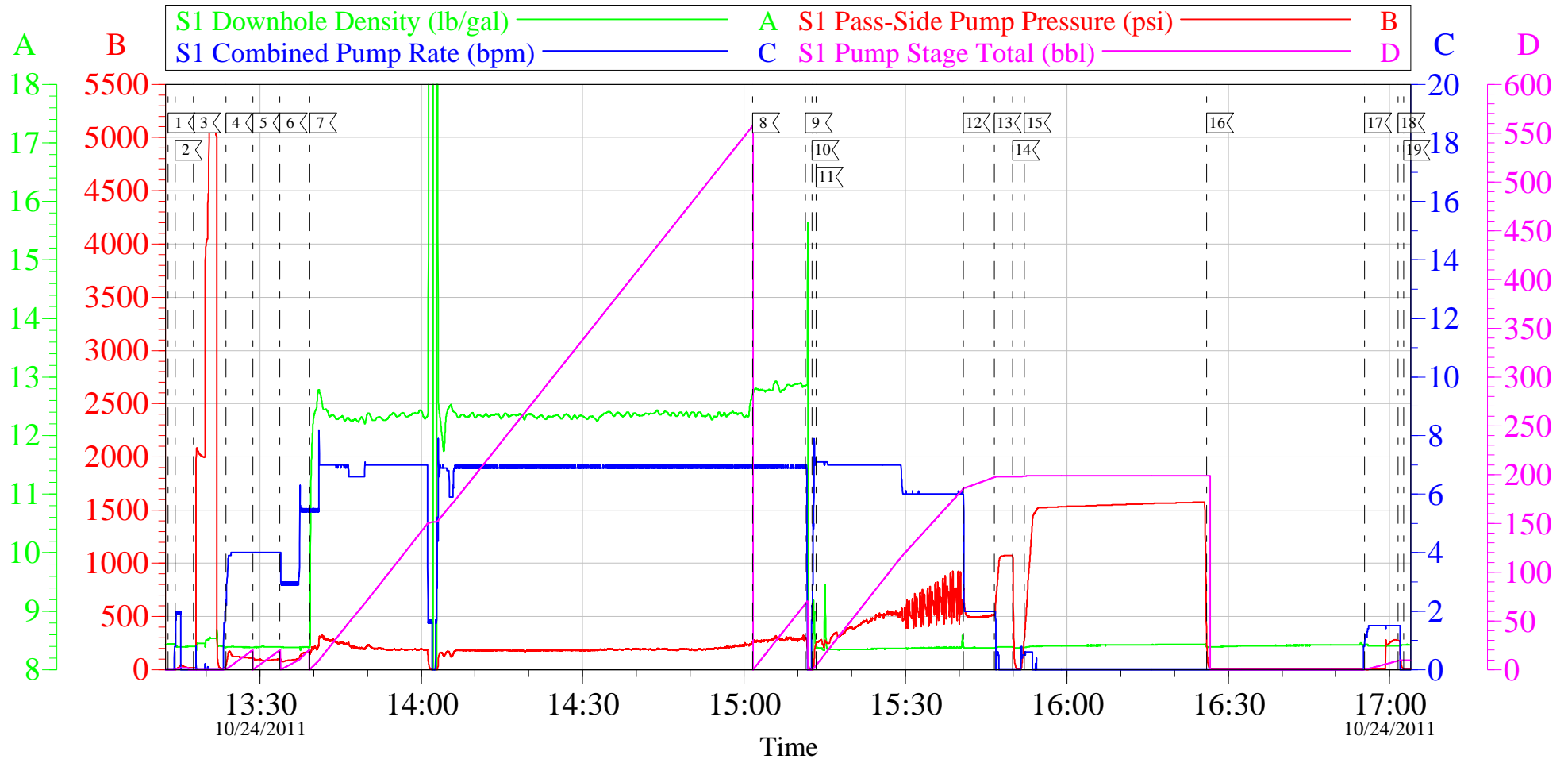
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	10/24/2011 13:33		5.5	20			200.0	FRESH WATER
Pump Lead Cement	10/24/2011 13:39		7	435.7			337.0	VERSACEM 1050 SKS 12.3 PPG 2.33 FT3/SK 12.62 GAL/SK 7 BOXES OF TUF FIBER/LOST RETURNS AT 200 BBLS GONE/GOT RETURNS BACK AT 350 BBLS GONE/HAD TO SHUT DOWN DUE TO LEAK IN IRON/
Pump Tail Cement	10/24/2011 15:01		7	62.7			288.0	VERSACEM 170 SKS 12.8 PPG 2.07 FT3/SK 10.67 GAL/SK
Drop Plug	10/24/2011 15:12							PLUG AWAY NO PROBLEMS
Pump Displacement	10/24/2011 15:13		6	202.3			914.0	FRESH WATER/GOT 100 BBLS OF CEMENT TO SURFACE/LOST THE LAST 80 BBLS OF RETURNS
Slow Rate	10/24/2011 15:40		2	187			495.0	
Bump Plug	10/24/2011 15:46		2	202.3			530.0	BUMPED PLUG
Check Floats	10/24/2011 15:49			202.3			1050.0	FLOATS HELD/GOT 1 BBL BACK INTO DISPLACEMENT TANK
Pressure Test	10/24/2011 15:52		1	1			1500.0	CASING PRESSURE TEST AT 1500 PSI FOR 30 MIN
Release Casing Pressure	10/24/2011 16:26						1588.0	RELEASE PRESSURE AT 1588 PSI
Other	10/24/2011 16:55		1.5	10			280.0	PUMP SUGAR WATER THRU PARASITE
Shutdown	10/24/2011 17:01							
End Job	10/24/2011 17:02							RIG UP ON CC-697-08-35B TO TEST PRESSURE ON CASING
Start Job	10/24/2011 18:12							
Pressure Test	10/24/2011 18:13		1.5	2.2			1544.0	CASING PRESSURE TEST AT 1500 PSI FOR 30 MINUTES

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Release Casing Pressure	10/24/2011 18:45						1499. 0	RELEASE PRESSURE
End Job	10/24/2011 18:46							THANKS FOR USING HES AND THE CREW OF MIKE MAGERS

OXY H&P 330

9.625 SURFACE CC 697-08-27B

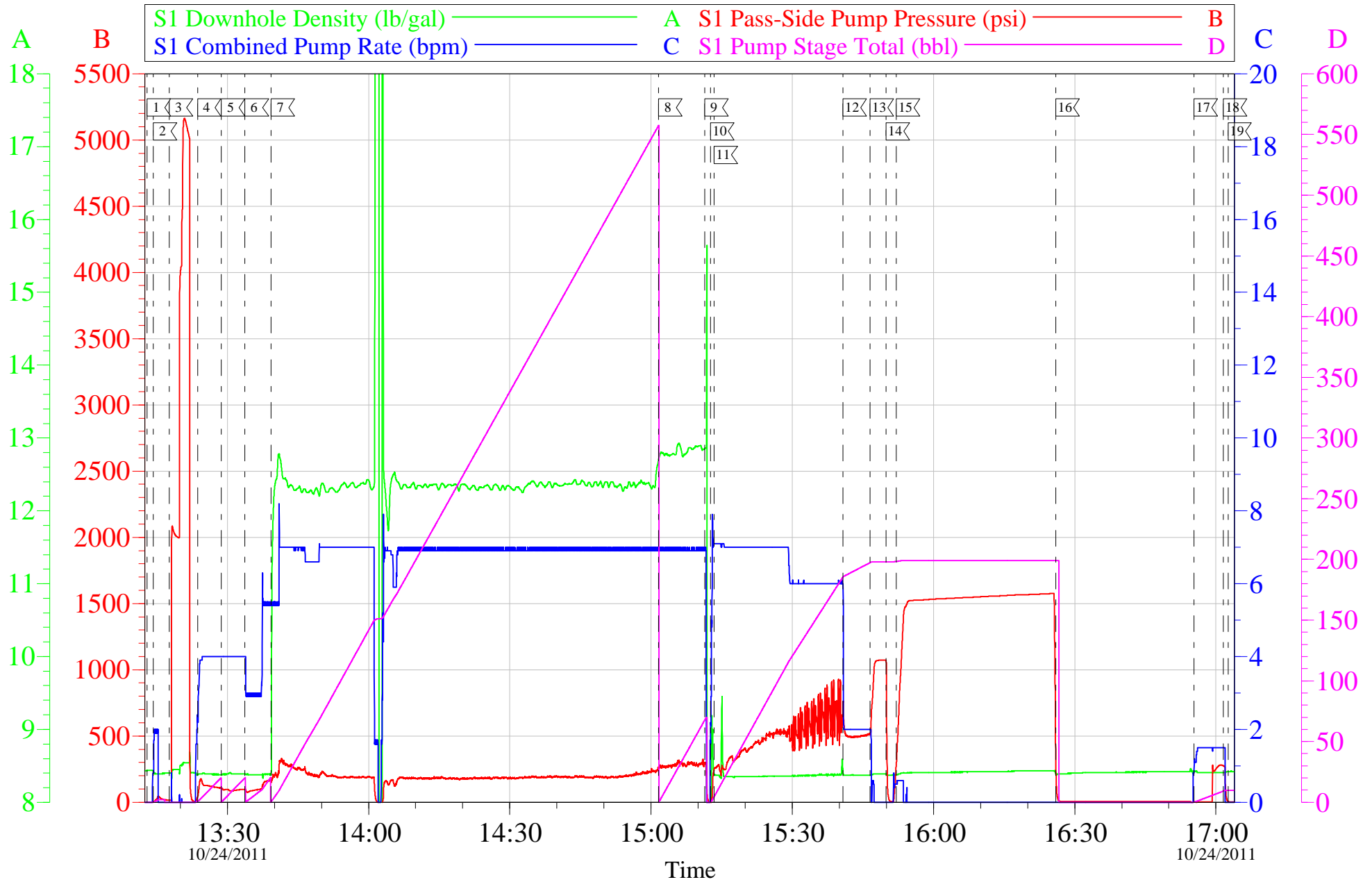


Customer: OXY H&P 330	Job Date: 24-Oct-2011	Sales Order #: 8551941
Well Description: CC 697-08-27B	Job Type: SURFACE	ADC Used: YES
Company Rep: VICTOR BENEVIDAS	Cement Supervisor: MIKE MAGERS	Elite #: 7 DAN SINCLAIR

OptiCem v6.3.4
24-Oct-11 18:00

OXY H&P 330

9.625 SURFACE CC 697-08-27B

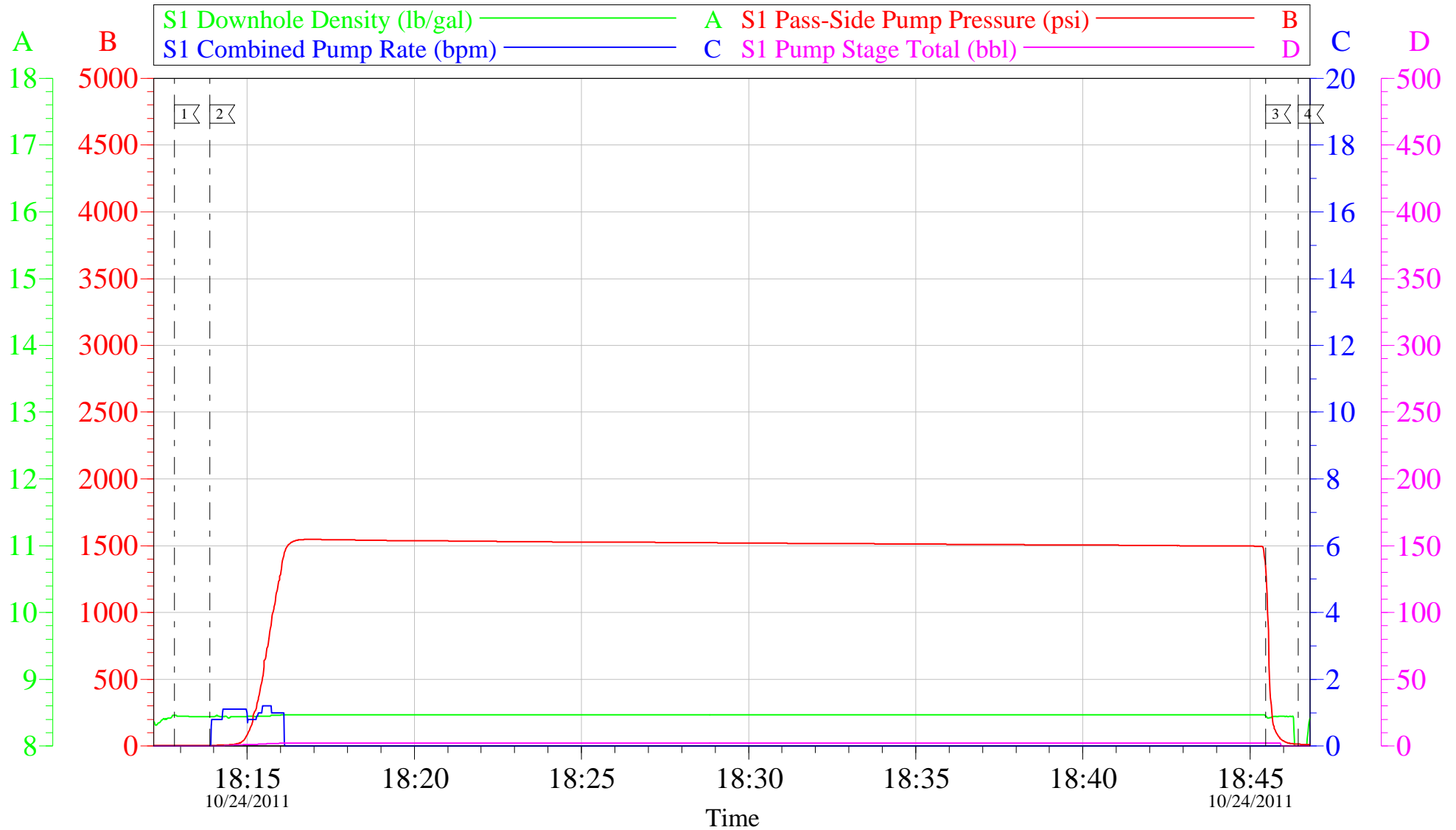


Customer: OXY H&P 330	Job Date: 24-Oct-2011	Sales Order #: 8551941
Well Description: CC 697-08-27B	Job Type: SURFACE	ADC Used: YES
Company Rep: VICTOR BENEVIDAS	Cement Supervisor: MIKE MAGERS	Elite #: 7 DAN SINCLAIR

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24-Oct-11 18:01

OXY H&P 330

CC 697-08-35B CASING PRESSURE TEST



Customer: OXY H&P 330	Job Date: 24-Oct-2011	Sales Order #:
Well Description: CC 697-08-35B	Job Type: 9.625 CASING PRESSURE TEST	ADC Used: NO
Company Rep: VICTOR BENEVIDAS	Cement Supervisor: MIKE MAGERS	Elite #:7 DAN SINCLAIR

OptiCem v6.3.4
24-Oct-11 19:31

Sales Order #: 8551941	Line Item: 10	Survey Conducted Date: 10/24/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: VICTOR BENEVIDAS		API / UWI: (leave blank if unknown) 05-045-20091
Well Name: CC		Well Number: 697-08-27B
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	10/24/2011
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	VICTOR BENEVIDAS
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

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Customer Representative: VICTOR BENEVIDAS		API / UWI: (leave blank if unknown) 05-045-20091
Well Name: CC		Well Number: 697-08-27B
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	10/24/2011

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.	8
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.	6
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.	1
Reason For Unplanned Shutdown	HAD A LEAK IN THE IRON

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Customer Representative: VICTOR BENEVIDAS		API / UWI: (leave blank if unknown) 05-045-20091
Well Name: CC		Well Number: 697-08-27B
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Reason For Unplanned Shutdowns (after Starting To Pump)	
Was this a Primary Cement Job (Yes / No) Primary Cement Job= Casing job, Liner job, or Tie-back job.	Yes
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	93
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	93
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