
OXY GRAND JUNCTION EBUSINESS

**CC 697-16-11-B2
GRAND VALLEY
Garfield County , Colorado**

**Cement Surface Casing
29-Jul-2011**

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344034		Ship To #: 2868808		Quote #:		Sales Order #: 8322944	
Customer: OXY GRAND JUNCTION EBUSINESS				Customer Rep: Vallegas, Alex			
Well Name: CC			Well #: 697-16-11-B2			API/UWI #:	
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Lat: N 39.523 deg. OR N 39 deg. 31 min. 23.448 secs.				Long: W 108.225 deg. OR W -109 deg. 46 min. 28.488 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: ROYSTER, JACOB			Srvc Supervisor: HOEFER, BRYAN			MBU ID Emp #: 415775	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	16	456683	BANKS, BRENT A	16	371353	HOEFER, BRYAN D	16	415775
JENKINS, DEMON Lashaun	16	457892						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10565341	120 mile	10804567	120 mile	10872429	120 mile	11259885	120 mile
11360883	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/29/2011	16	4.5						

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	29 - Jul - 2011	01:30	MST
Form Type	BHST			On Location	29 - Jul - 2011	06:00	MST
Job depth MD	2690. ft			Job Started	29 - Jul - 2011	15:30	MST
Water Depth	Wk Ht Above Floor			Job Completed	29 - Jul - 2011	19:16	MST
Perforation Depth (MD)	From	To		Departed Loc			

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			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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

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	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	1060.0	sacks	12.3	2.33	12.62	6	12.62
12.62 Gal		FRESH WATER							
5	VariCemTail Cement	VERSACEM (TM) SYSTEM (452010)	150.0	sacks	12.8	2.07	10.67	6	10.67
10.67 Gal		FRESH WATER							
6	Displacement		204.2	bbl	.	.0	.0	6	
Calculated Values		Pressures		Volumes					
Displacement	204.2	Shut In: Instant		Lost Returns		Cement Slurry	495.2	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	204	Actual Displacement	204.2	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	760
Rates									
Circulating		Mixing		6	Displacement		6	Avg. Job	6
Cement Left In Pipe	Amount	48.77 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

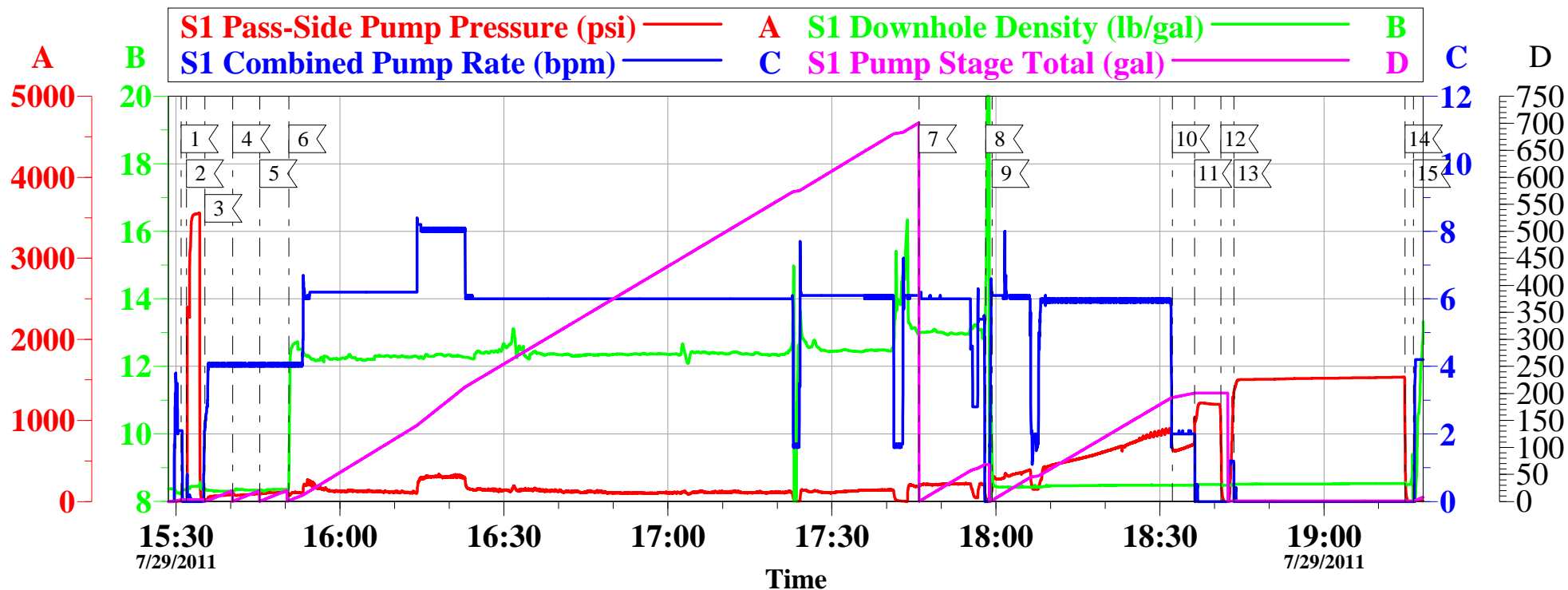
Sold To #: 344034	Ship To #: 2868808	Quote #:	Sales Order #: 8322944
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: Vallegas, Alex	
Well Name: CC	Well #: 697-16-11-B2	API/UWI #:	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.523 deg. OR N 39 deg. 31 min. 23.448 secs.		Long: W 108.225 deg. OR W -109 deg. 46 min. 28.488 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: ROYSTER, JACOB		Srvc Supervisor: HOEFER, BRYAN	MBU ID Emp #: 415775

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/29/2011 01:30							
Pre-Convoy Safety Meeting	07/29/2011 03:20							WITH ALL HES EE'S
Depart from Service Center or Other Site	07/29/2011 03:30							
Arrive At Loc	07/29/2011 06:00							ARRIVED 3 HRS EARLY, JUST RIGGING UP TO RUN CASING UPON ARRIVAL
Assessment Of Location Safety Meeting	07/29/2011 06:10							WITH ALL HES EE'S
Pre-Rig Up Safety Meeting	07/29/2011 06:30							WITH ALL HES EE'S
Rig-Up Equipment	07/29/2011 06:35							IRON TO FLOOR, IRON TO PIT, WATER LINES, 1 660 BULK TRUCK, 1 FIELD STORAGE SILO, 1 FIELD STORAGE BIN, F-550
Pre-Job Safety Meeting	07/29/2011 15:15							WITH ALL HES EE'S AND RIG CREW
Start Job	07/29/2011 15:30							TD-2715', TP-2690', SJ-48.77', MUD-9.2#, OH-14 3/4", 9 5/8" CASING 36# K-55
Prime Pumps	07/29/2011 15:30		2	2			27.0	FRESH WATER
Test Lines	07/29/2011 15:31		0.1	0.1			3500.0	TESTED TO 3500psi, TEST HELD GREAT
Pump Spacer	07/29/2011 15:35		4	20			90.0	FRESH WATER
Pump Spacer	07/29/2011 15:40		4	20			95.0	GEL SPACER (LGC-36)
Pump Spacer	07/29/2011 15:45		4	20			108.0	FRESH WATETR

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	07/29/2011 15:50		6	439.9			155.0	1060sks OF VERSACEM PUMPED @ 12.3#, 2.33 ft3/sk, 12.62 gal/sk
Pump Tail Cement	07/29/2011 17:45		6	55.3			240.0	150sks OF VERSACEM PUMPED @ 12.8#, 2.07 ft3/sk, 10.67 gal/sk
Shutdown	07/29/2011 17:58							
Drop Top Plug	07/29/2011 17:58							PLUG LEFT HEAD
Pump Displacement	07/29/2011 17:59		6	204.2			870.0	FRESH WATER
Slow Rate	07/29/2011 18:32		2	194			670.0	LAST 10 BBLS
Bump Plug	07/29/2011 18:36		2	204.2			1215.0	TOOK 500psi OVER
Check Floats	07/29/2011 18:41							FLOATS HELD
Other	07/29/2011 18:43						1500.0	START 30min CASING TEST
Other	07/29/2011 19:14							END CASING TEST
End Job	07/29/2011 19:16							GOT RETURNS BACK AT 50bbls GONE ON TAIL CEMENT, 204 BBLS OF CEMENT BACK TO THE PIT
Post-Job Safety Meeting (Pre Rig-Down)	07/29/2011 19:20							WITH ALL HES EE'S
Rig-Down Equipment	07/29/2011 20:30							
Pre-Convoy Safety Meeting	07/29/2011 22:00							WITH ALL HES EE'S
Depart Location for Service Center or Other Site	07/29/2011 22:05							THANK YOU FOR USING GRAND JUNCTION HALLIBURTON CEMENT, BRYAN HOEFER AND CREW

OXY

CC-697-16-11-B2, SURFACE



Local Event Log

Maximum		SPPP	Maximum		SPPP
1	START JOB	15:30:56 7.304	2	TEST LINES	15:31:55 3558
3	PUMP FRESH WATER	15:35:16 88.69	4	PUMP GEL SPACER	15:40:24 95.30
5	PUMP FRESH WATER	15:45:20 119.3	6	PUMP LEAD CEMENT	15:50:39 337.3
7	PUMP TAIL CEMENT	17:45:57 224.3	8	SHUT DOWN/DROP TOP PLUG	17:58:08 147.8
9	PUMP DISPLACEMENT	17:59:18 902.3	10	SLOW RATE	18:32:16 774.5
11	BUMP PLUG	18:36:20 1215	12	CHECK FLOATS	18:41:11 1349
13	START CASING TEST	18:43:33 1534	14	END CASING TEST	19:14:51 858.3
15	END JOB	19:16:23 338.3			

Customer: OXY
Well Description: CC-697-16-11-B2
Customer Rep: ALEX VALLEGAS

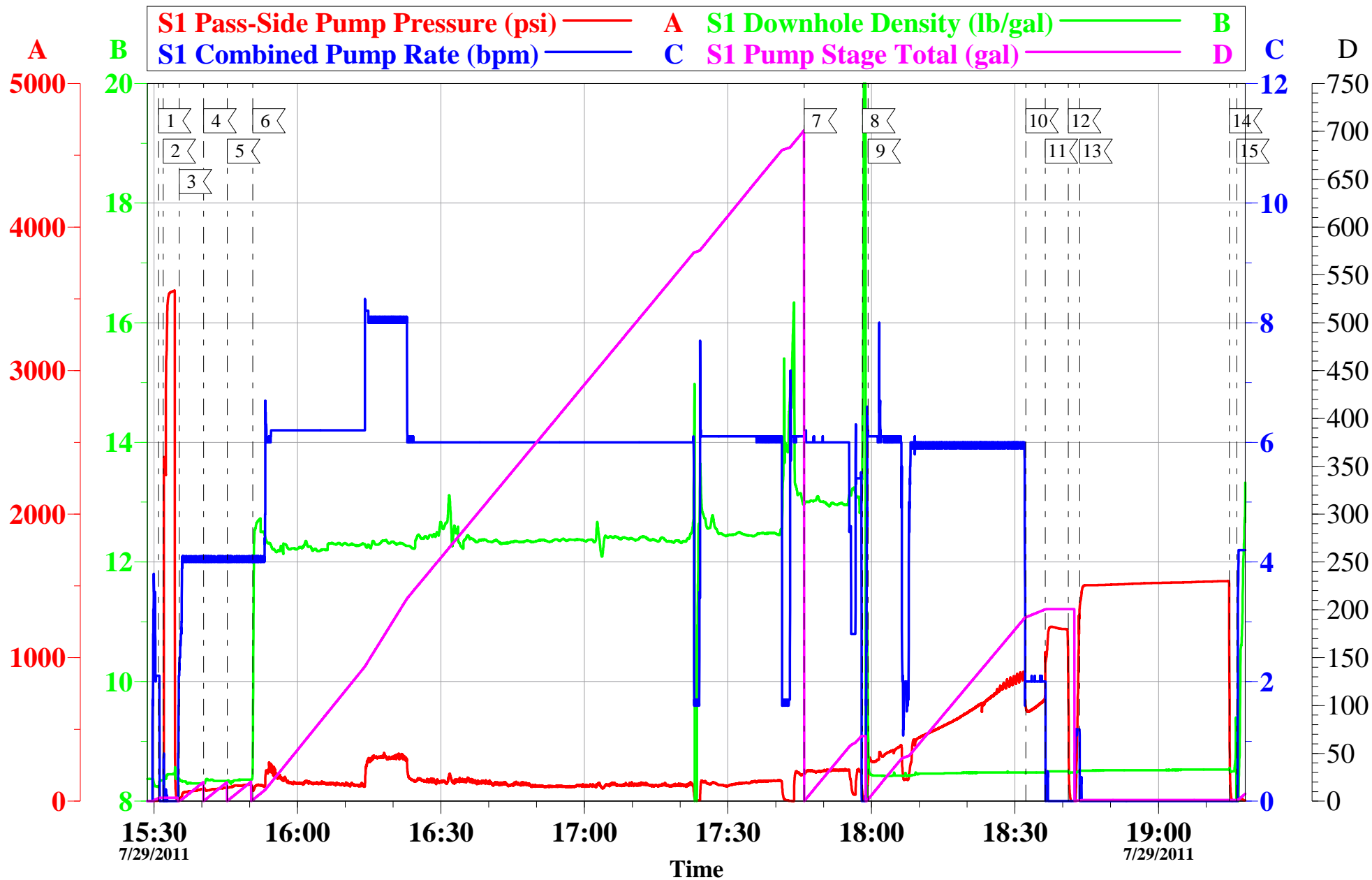
Job Date: 29-Jul-2011
Job type: SURFACE
Service Supervisor: BRYAN HOEFER

Sales Order #: 8322944
ADC Used: YES
Operator/ Pump: BANKS/#7

OptiCem v6.4.9
29-Jul-11 20:02

OXY

CC-697-16-11-B2, SURFACE



Customer: OXY	Job Date: 29-Jul-2011	Sales Order #: 8322944
Well Description: CC-697-16-11-B2	Job type: SURFACE	ADC Used: YES
Customer Rep: ALEX VALLEGAS	Service Supervisor: BRYAN HOEFER	Operator/ Pump: BANKS/#7

Sales Order #: 8322944	Line Item: 10	Survey Conducted Date: 7/29/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: ALEX VILLEGAS		API / UWI: (leave blank if unknown) AFEYK13KOZJQJDFPAAA
Well Name: CC		Well Number: 697-16-11-B2
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	7/29/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	BRYAN HOEFER (HB40569)
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.	

CUSTOMER SIGNATURE

Sales Order #: 8322944	Line Item: 10	Survey Conducted Date: 7/29/2011
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Customer Representative: ALEX VILLEGAS		API / UWI: (leave blank if unknown) AFEYK13KOZJQJDFPAAA
Well Name: CC		Well Number: 697-16-11-B2
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	7/29/2011
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	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	7
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)	5
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	7
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

Sales Order #: 8322944	Line Item: 10	Survey Conducted Date: 7/29/2011
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Well Name: CC		Well Number: 697-16-11-B2
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	90
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	90
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