
OXY GRAND JUNCTION EBUSINESS

**CC 697-08-16
GRAND VALLEY
Garfield County , Colorado**

**Cement Surface Casing
08-May-2011**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 2852869	Quote #:	Sales Order #: 8144677
Customer: OXY GRAND JUNCTION EBUSINESS	Customer Rep: ROSSER, TERRY		
Well Name: CC	Well #: 697-08-16	API/UWI #: 05-045-18129	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.542 deg. OR N 39 deg. 32 min. 31.243 secs.	Long: W 108.238 deg. OR W -109 deg. 45 min. 42.833 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: DUNNING, DUSTIN	Srvc Supervisor: ANGLESTEIN, TROY	MBU ID Emp #: 436099	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANGLESTEIN, TROY Edward WM	19.5	436099	JENSEN, JESSE Robert	19.5	478774	PHILLIPS, MARK Bejar	19.5	445272
SIMINEO, JEROD M	19.5	479954						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10053558	240 mile	10722398	240 mile	10951250	240 mile	11139330	240 mile
11360871	240 mile	11542767	240 mile	6543	240 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
05/08/2011	19.5	4						

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	2735. ft	2735. ft						07 - May - 2011	21:30	MST
											On Location	08 - May - 2011	02:30	MST
											Job Started	08 - May - 2011	15:23	MST
											Job Completed	08 - May - 2011	20:38	MST
											Departed Loc	08 - May - 2011	22:00	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
OPEN HOLE SECTION				14.5				.	2735.		
SURFACE CASING	Unknown		9.625	8.921	36.		H-40	.	2717.		

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	4	
2	Gel Spacer		20.00	bbl	.	.0	.0	7	
3	Water Spacer		20.00	bbl	.	.0	.0	7	
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)		sacks	12.3	2.33	12.62	7	12.62
12.62 Gal		FRESH WATER							
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	170.0	sacks	12.8	2.07	10.67	6	10.67
10.67 Gal		FRESH WATER							
6	Displacement		206.00	bbl	.	.0	.0	6	
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	205.9	Shut In: Instant		Lost Returns	765	Cement Slurry	499	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	8	Actual Displacement	205.9	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	790
Rates									
Circulating		Mixing	6	Displacement	6	Avg. Job			6
Cement Left In Pipe	Amount	53.4 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 #: 697-08-16			API/UWI #: 05-045-18129	
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.542 deg. OR N 39 deg. 32 min. 31.243 secs.				Long: W 108.238 deg. OR W -109 deg. 45 min. 42.833 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: DUNNING, DUSTIN			Srv Supervisor: ANGLESTEIN, TROY			MBU ID Emp #: 436099	

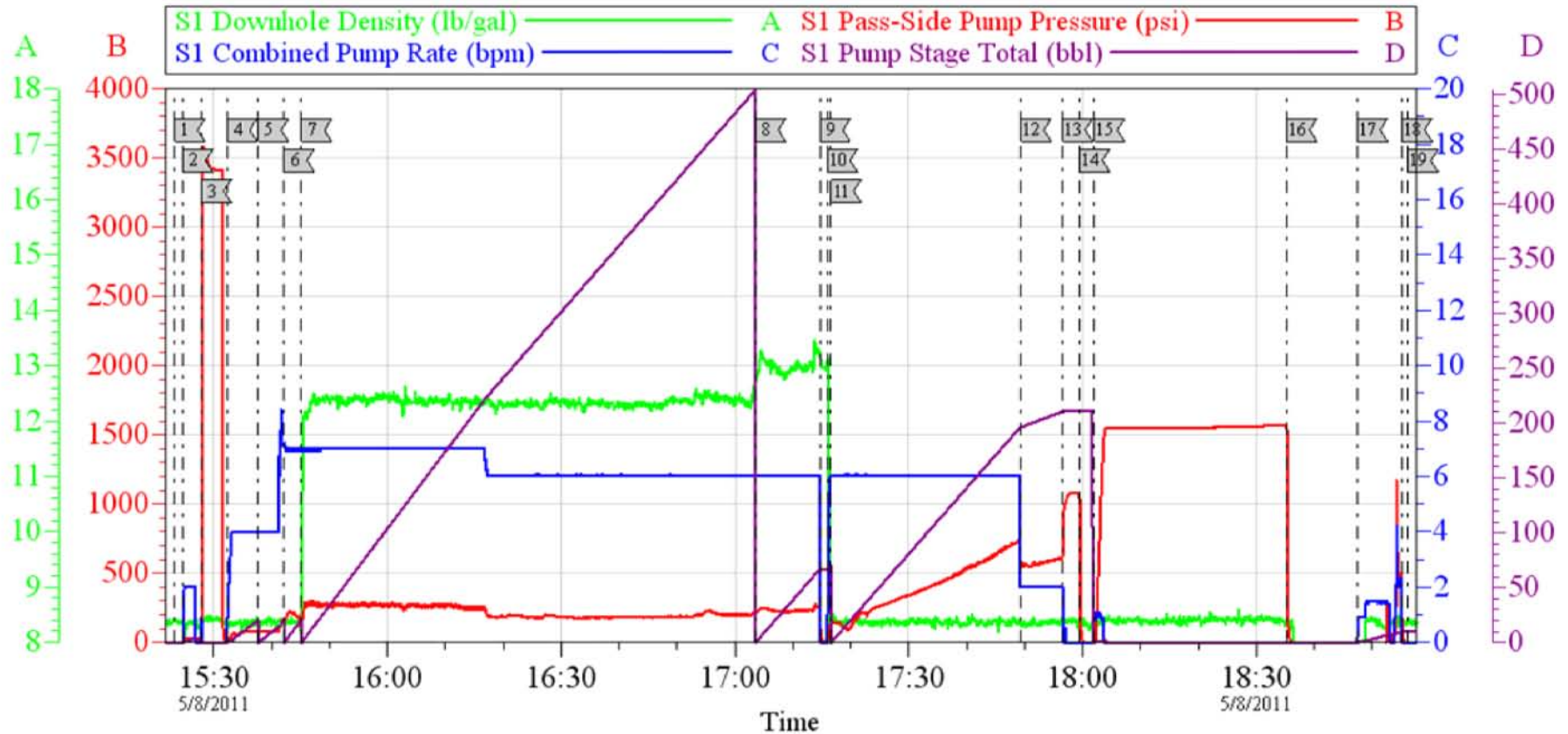
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/07/2011 21:30							
Pre-Convoy Safety Meeting	05/07/2011 23:00							ALL HES EMPLOYEES
Arrive At Loc	05/08/2011 02:30							RIG STILL RUNNING CASING, CIRCULATED FOR 1 HOUR
Assessment Of Location Safety Meeting	05/08/2011 02:45							ALL HES EMPLOYEES
Rig-Up Equipment	05/08/2011 03:00							1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 1 9.625 QUICK LATCH PLUG CONTAINER, 1 F 450 P/U
Pre-Job Safety Meeting	05/08/2011 15:00							ALL HES EMPLOYEES, RIG CREW, CO REP.
Start Job	05/08/2011 15:23							9.625 CASING SET AT 2717', FC 2663.65', TD: 2735, OPEN HOLE 14.5", MUD WT 9.7 PPG, 800 BBLS OF H2O ON LOCATION, WATER SAMPLE SUBMITTED.
Pump Water	05/08/2011 15:24		2	2			23.0	FILL LINES
Pressure Test	05/08/2011 15:27		0.5	0.5		3415.0		NO LEAKS
Pump Spacer 1	05/08/2011 15:32		4	20			85.0	FRESH WATER
Pump Spacer 2	05/08/2011 15:37		7	20			158.0	GELLED WATER MIXED AT 2.5 GAL PER 10 BBLS OF WATER
Pump Spacer 1	05/08/2011 15:42		7	20			125.0	FRESWATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	05/08/2011 15:45		7	435.7			260.0	1050 SKS VERSACEM CMT TO BE MIXED AT 12.3 PPG, 2.33 YIELD, 12.62 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES WET AND DRY SAMPLES SUBMITTED. 105 LBS OF TUFF FIBER ADDED WHILE MIXING LEAD CEMENT.
Pump Tail Cement	05/08/2011 17:03		6	62.7			247.0	170 SKS VERSACEM CMT TO BE MIXED AT 12.8 PPG, 2.07 YIELD, 10.67 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES. WET AND DRY SAMPLES SUBMITTED.
Shutdown	05/08/2011 17:14							FOR NO MORE THEN 5 MINUTES,
Drop Plug	05/08/2011 17:15							PLUG LAUNCHED
Pump Displacement	05/08/2011 17:16		6	205.9			720.0	FRESHWATER
Slow Rate	05/08/2011 17:49		2	195			570.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	05/08/2011 17:56		2	205.9			600.0	PLUG LANDED AT 1100 HELD FOR FIVE MINUTES
Check Floats	05/08/2011 17:59							FLOATS HOLDING, NO ANNULAR FLOW AT SHAKERS NOTED
Pressure Up Tubing	05/08/2011 18:02		1	3			1500.0	HES PRESSURED UP CASING TO 1500 PSI FOR 30 MIN CASING TEST
Other	05/08/2011 18:47		2	10			189.0	PUMPED 10 BBLS OF SUGAR WATER DOWN PARASITE STRING
End Job	05/08/2011 18:56							END OF INITIAL JOB, HES RIG UP FOR TOPOUT

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Water	05/08/2011 20:17		1.5	1			4.0	1 BBL OF FRESHWATER
Start Job	05/08/2011 20:17							HES USED LEAD CEMENT OFF OF TRUCK # 10998512-10867322
Pump Cap Cement	05/08/2011 20:19		1.7	25			71.0	72 SKS MIXED AT 12.5 PPG, 1.97 YIELD, 10.96 GAL/SK
Cement Returns to Surface	05/08/2011 20:35		1.7	17			68.0	8 BBLS OF CEMENT TO SURFACE
End Job	05/08/2011 20:38							THANK YOU FOR USING HALLIBURTON FROM TROY ANGLESTEIN AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	05/08/2011 20:45							ALL HES EMPLOYEES
Rig-Down Equipment	05/08/2011 20:50							SAFELY
Pre-Convoy Safety Meeting	05/08/2011 21:45							ALL HES EMPLOYEES
Crew Leave Location	05/08/2011 22:00							SITE WAS AS CLEAN AS WHEN WE ARRIVED

OXY CC 697-08-16 SURFACE



Local Event Log								
1	START JOB	15:23:18	2	FILL LINES	15:24:40	3	TEST LINES	15:27:51
4	PUMP H2O SPACER	15:32:18	5	PUMP GELLED SPACER	15:37:41	6	PUMP H2O SPACER	15:42:10
7	PUMP LEAD CEMENT	15:45:12	8	PUMP TAIL CEMENT	17:03:32	9	SHUTDOWN	17:14:41
10	DROP PLUG	17:15:57	11	PUMP DISPLACEMENT	17:16:36	12	SLOW RATE	17:49:22
13	BUMP BLUG	17:56:32	14	CHECK FLOATS	17:59:30	15	PRESSURE UP CASING	18:02:02
16	RELEASE PRESSURE	18:35:15	17	PUMP DOWN PARASITE	18:47:25	18	SHUTDOWN	18:55:07
19	END JOB	18:56:11						

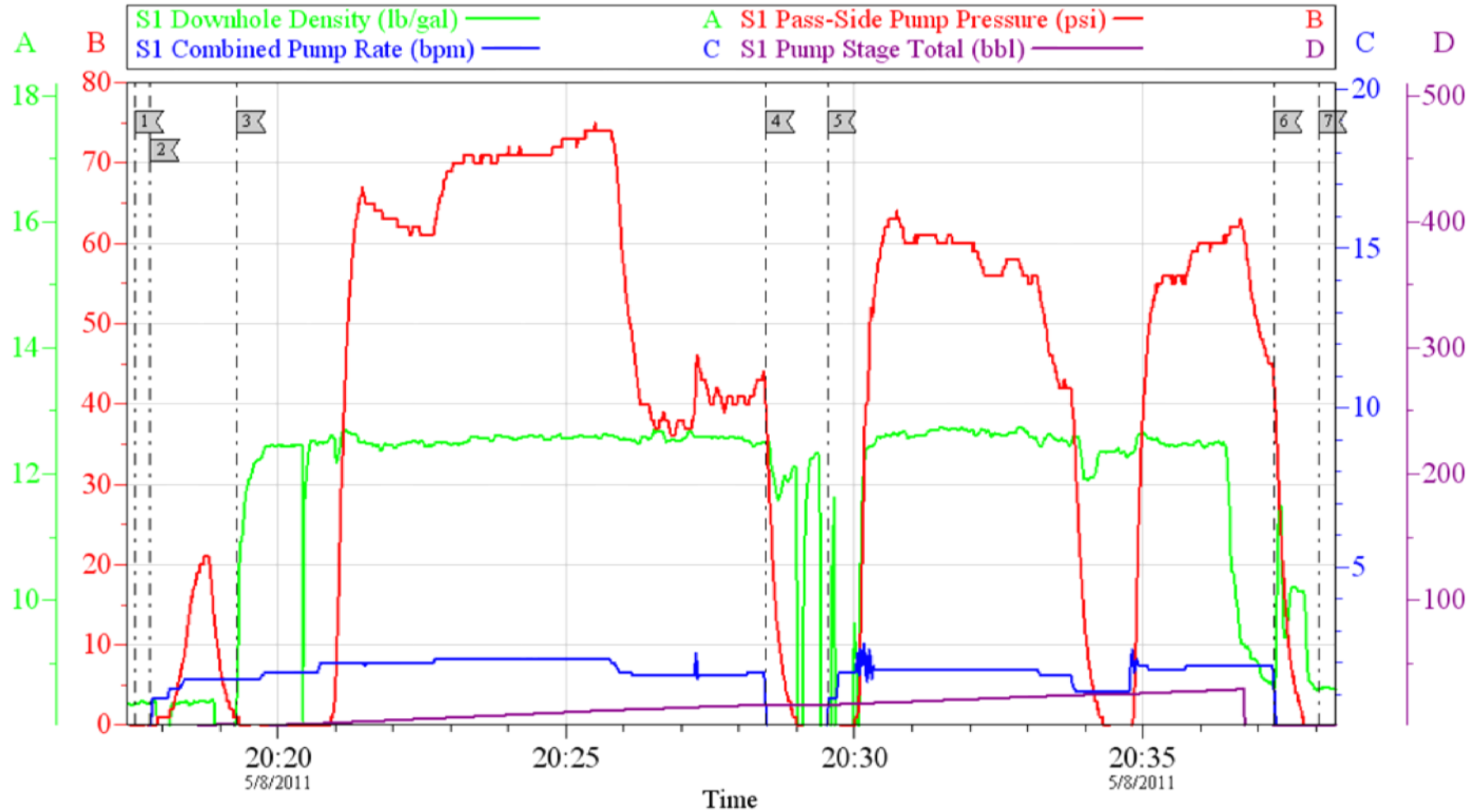
Customer: OXY
Well Description: CC 697-08-16
Company Rep: TERRY ROSSER

Job Date: 08-May-2011
Job Type: SURFACE
Cement Supervisor: TROY ANGLESTEIN

Sales Order #: 8144677
ADC Used: YES
Elite #: 1 JESSE JENSEN

OptiCem v6.4.9
08-May-11 19:25

OXY CC 697-08-16 TOPOUT #1



Local Event Log					
1 START JOB	20:17:31	2 PUMP WATER AHEAD	20:17:48	3 PUMP TOPOUT CEMENT	20:19:18
4 SHUTDOWN	20:28:28	5 PUMP TOPOUT CEMENT	20:29:32	6 SHUTDOWN	20:37:16
7 END JOB	20:38:03				

Customer: OXY
Well Description: CC 697-08-16
Company Rep: TERRY ROSSER

Job Date: 08-May-2011
Job Type: TOPOUT
Cement Supervisor: TROY ANGLESTEIN

Sales Order #: 8144677
ADC Used: YES
Elite #: 1 JESSE JENSEN

OptiCem v6.4.9
08-May-11 20:45

Sales Order #: 8144677	Line Item: 10	Survey Conducted Date: 5/8/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: TERRY ROSSER		API / UWI: (leave blank if unknown) 05-045-18129
Well Name: CC		Well Number: 697-08-16
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	5/8/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	TROY ANGLESTEIN (HX45574)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	TERRY ROSSER
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 #: 8144677	Line Item: 10	Survey Conducted Date: 5/8/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: TERRY ROSSER		API / UWI: (leave blank if unknown) 05-045-18129
Well Name: CC		Well Number: 697-08-16
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	5/8/2011
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)	8
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)	4
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 #: 8144677	Line Item: 10	Survey Conducted Date: 5/8/2011
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Customer Representative: TERRY ROSSER		API / UWI: (leave blank if unknown) 05-045-18129
Well Name: CC		Well Number: 697-08-16
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	97
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