
OXY GRAND JUNCTION EBUSINESS

**CC 697-09-13
GRAND VALLEY
Garfield County , Colorado**

**Cement Surface Casing
04-Apr-2011**

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 2825568	Quote #:	Sales Order #: 7841189
Customer: OXY GRAND JUNCTION EBUSINESS	Customer Rep: Silva, Marco		
Well Name: CC	Well #: 697-09-13	API/UWI #: 05-045-20068	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.535 deg. OR N 39 deg. 32 min. 6.518 secs.	Long: W 108.222 deg. OR W -109 deg. 46 min. 39.68 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: DUNNING, DUSTIN	Srvc Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BATH, KYLE Thomas		477632	KEANE, JOHN Donovan		486519	LEIST, JAMES R		362787
MOAT, RYAN C		489025	SMITH, CHRISTOPHER Scott		452619			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10205677	120 mile	10744648C	120 mile	10784053	120 mile	10951251	120 mile
10998508	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL	Total is the sum of each column separately							
-------	--	--	--	--	--	--	--	--

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	03 - Apr - 2011	21:30	MST
Form Type	BHST		Job Started	04 - Apr - 2011	04:30	MST
Job depth MD	2710. ft	Job Depth TVD	Job Started	04 - Apr - 2011	15:08	MST
Water Depth		Wk Ht Above Floor	Job Completed	04 - Apr - 2011	18:32	MST
Perforation Depth (MD)	From	To	Departed Loc	04 - Apr - 2011	21:45	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
14 3/4" Open Hole				14.75				.	2710.		
9 5/8" Surface Casing	New		9.625	8.921	36.			.	2693.		

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		
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		

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
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	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	1050.0	sacks	12.3	2.33	12.62		12.62
	12.62 Gal	FRESH WATER							
5	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.07	10.67		10.67
	10.67 Gal	FRESH WATER							
6	Displacement		204.00	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		Shut In: Instant		Lost Returns		Cement Slurry	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	
Frac Gradient		15 Min		Spacers		Load and Breakdown	

Rates							
Circulating		Mixing		Displacement		Avg. Job	
Cement Left In Pipe	Amount	51.9 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 #: 2825568	Quote #:	Sales Order #: 7841189
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: Silva, Marco	
Well Name: CC	Well #: 697-09-13	API/UWI #: 05-045-20068	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.535 deg. OR N 39 deg. 32 min. 6.518 secs.		Long: W 108.222 deg. OR W -109 deg. 46 min. 39.68 secs.	
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: DUNNING, DUSTIN		Srv Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619

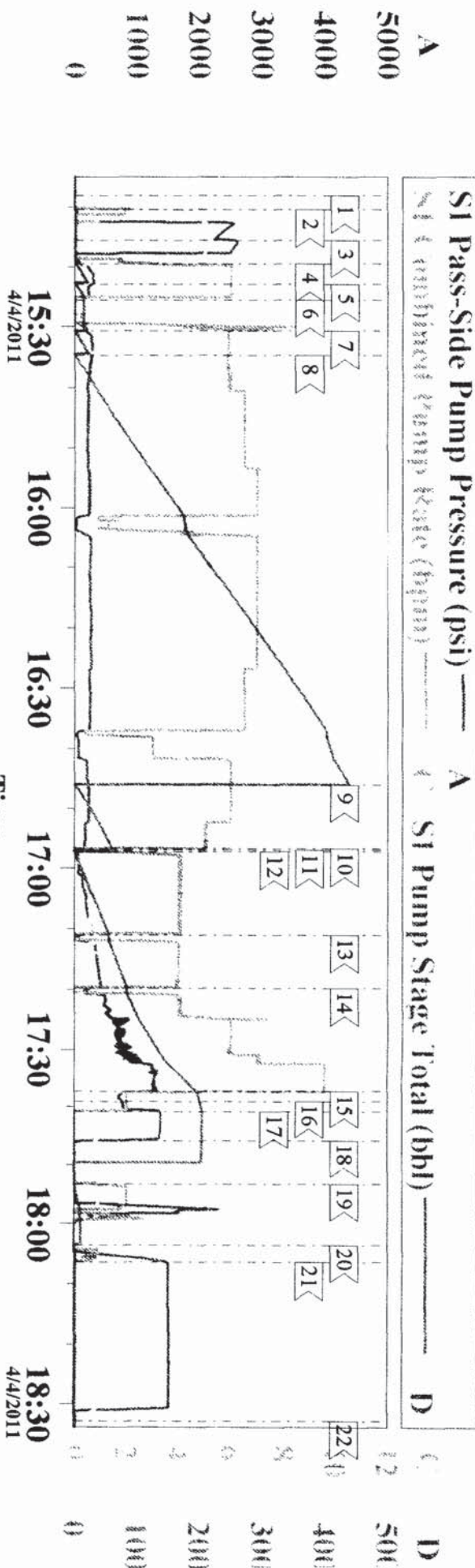
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	04/03/2011 23:50							ALL HES PERSONEL
Crew Leave Yard	04/03/2011 23:55							
Arrive At Loc	04/04/2011 04:30							RIG SETTING UP TO RUN CASEING.
Assessment Of Location Safety Meeting	04/04/2011 04:45							ALL HES PERSONEL
Rig-Up Equipment	04/04/2011 14:00							
Pre-Job Safety Meeting	04/04/2011 14:50							ALL HES PERSONEL AND RIG CREW
Start Job	04/04/2011 15:08							TD 2710', TP 2693', SJ 51.88', OH 14.75", CSG 9.625" 36# J-55 , MUD 9.4 PPG, YP- 17, PV-16.
Other	04/04/2011 15:10		2	2			60.0	FILL LINES
Pressure Test	04/04/2011 15:15		0.5	0.5				ALL LINES HELD PRESSURE @ 2480 PSI
Pump Spacer 1	04/04/2011 15:19		6	20			240.0	FRESH WATER
Pump Spacer 2	04/04/2011 15:22		6	20			190.0	LGC SPACER
Shutdown	04/04/2011 15:25							SHUTDOWN FOR RIGS CELLAR PUMP
Pump Spacer 1	04/04/2011 15:30		6	20			270.0	FRESH WATER
Pump Lead Cement	04/04/2011 15:34		7	435.7			260.0	1050 SKS, 12.3 PPG, 2.33 FT3/ SK, 12.62 GAL/SK, SET UP TIME 4:45 @ 70 BC

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	04/04/2011 16:45		6	60			300.0	160 SKS, 12.8 PPG, 2.07 FT3/ SK, 11.10.67 GAL/SK, SET UP TIME 2:33 @ 70 BC
Shutdown	04/04/2011 16:56							
Drop Top Plug	04/04/2011 16:57							
Pump Displacement	04/04/2011 16:57		10	194.2			1270.0	FRESH WATER
Shutdown	04/04/2011 17:11			52			275.0	SHUTDOWN PER CUSTOMER REQUEST
Shutdown	04/04/2011 17:19			82			630.0	SHUTDOWN PER CUSTOMER REQUEST
Slow Rate	04/04/2011 17:37		2	10			788.0	
Bump Plug	04/04/2011 17:40						1365.0	PLUG BUMPED
Check Floats	04/04/2011 17:45							FLOATS HELD
Other	04/04/2011 17:53		3	10			2000.0	PUMP DOWN PARASITE WITH SUGAR WATER
Other	04/04/2011 18:06		0.5	0.5			1500.0	PRESSURE TEST CASEING FOR 30 MIN.
End Job	04/04/2011 18:32							GOOD CIRCULATION DURING JOB UNTIL 112 BBL INTO LEAD CEMENT, REGAIN CIRCULATION 18 BBLS INTO TAIL CEMENT, CEMENT RETURNS 135 BBLS INTO DISPLACEMENT, 45 BBLS OF CEMENT RETURNS, LOST CIRCULATION 184 BBLS INTO DISPLACEMENT.
Post-Job Safety Meeting (Pre Rig-Down)	04/04/2011 18:40							ALL HES PERSONEL
Rig-Down Completed	04/04/2011 21:30							
Depart Location Safety Meeting	04/04/2011 21:40							ALL HES PERSONEL
Crew Leave Location	04/04/2011 21:45							

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	04/04/2011 21:45							THANK YOU FOR CHOOSING HALLIBURTON, CHRIS SMITH AND CREW

OXY

9.625" SURFACE/ CC 697-09-13



Local Event Log			
Maximum		Maximum	
	SPPP		SPPP
1<	START JOB	15:08:04	13.97
3<	TEST LINES	15:15:28	2599
5<	PUMP LGC SPACER	15:22:52	281.0
7<	PUMP H2O SPACER	15:30:39	288.0
9<	PUMP TAIL CEMENT	16:45:56	226.0
11<	DROP PLUG	16:57:02	51.00
13<	SHUTDOWN	17:11:02	434.0
15<	SLOW RATE	17:37:17	1305
17<	SHUTDOWN	17:40:50	1367
19<	PUMP SUGAR H2O	17:53:14	2302
21<	PRESSURE TEST CASEING	18:06:27	1520
2<	FILL LINES	15:10:28	2538
4<	PUMP H2O SPACER	15:19:28	302.0
6<	SHUTDOWN	15:25:27	175.4
8<	PUMP LEAD CEMENT	15:34:39	290.0
10<	SHUT DOWN	16:56:44	140.0
12<	PUMP H2O DISPLACEMENT	16:57:17	280.0
14<	SHUTDOWN	17:19:43	1321
16<	BUMP PLUG	17:39:03	1346
18<	CHECK FLOATS	17:45:45	346.0
20<	SHUTDOWN	18:03:30	1472
22<	END JOB	18:32:56	361.0

Customer: OXY GRAND JUNCTION EBUSINESS
 Well Description: CC 697-09-13
 Customer Rep: MARCO SIL VA

Job Date: 04-Apr-2011
 Job type: 05-045-20068
 Service Supervisor: C. SMITH

Sales Order #: 7841189
 ADC Used: YES
 Operator/ Pump: K. BATH/ E 6

Sales Order #: 7841189	Line Item: 10	Survey Conducted Date: 4/4/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MARCO SILVA		API / UWI: (leave blank if unknown) 05-045-20068
Well Name: CC		Well Number: 697-09-13
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	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	4/4/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER SMITH (HB20137)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	MARCO SILVA
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	GOOD COMMUNICATION, JOB WENT WELL, NO ISSUES, THANK YOU
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.	

Sales Order #: 7841189	Line Item: 10	Survey Conducted Date: 4/4/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MARCO SILVA		API / UWI: (leave blank if unknown) 05-045-20068
Well Name: CC		Well Number: 697-09-13
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

CUSTOMER SIGNATURE

Sales Order #: 7841189	Line Item: 10	Survey Conducted Date: 4/4/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MARCO SILVA		API / UWI: (leave blank if unknown) 05-045-20068
Well Name: CC		Well Number: 697-09-13
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	4/4/2011

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.	3.5
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.	3.5
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 #: 7841189	Line Item: 10	Survey Conducted Date: 4/4/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: MARCO SILVA		API / UWI: (leave blank if unknown) 05-045-20068
Well Name: CC		Well Number: 697-09-13
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	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	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	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