
OXY GRAND JUNCTION EBUSINESS

**CC 697-05-72
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
28-May-2011

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 2856507	Quote #:	Sales Order #: 8205526
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: Adams, Derick	
Well Name: CC		Well #: 697-05-72	API/UWI #: 05-045-18732
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Lat: N 39.542 deg. OR N 39 deg. 32 min. 31.542 secs.		Long: W 108.238 deg. OR W -109 deg. 45 min. 42.944 secs.	
Contractor: H&P Drilling		Rig/Platform Name/Num: H&P 353	
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	13.5	456683	BECK, MICHAEL George	13.5	489151	GOWEN, WESLEY M	13.5	496205
HOEFER, BRYAN D	13.5	415775	JENKINS, DEMON Lashaun	13.5	457892	WINKER, STEVEN	13.5	478776

Equipment

HES Unit #	Distance-1 way						
10053558	120 mile	10713212	120 mile	10872429	120 mile	10897849	120 mile
10897909	120 mile	10938657	120 mile	10938678	120 mile	10988964	120 mile
11259885	120 mile	11360883	120 mile	6543	120 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5/27/2011	.5	0	5/28/2011	13	5			
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Bottom	Called Out	27 - May - 2011 17:00 MST
Form Type	BHST	On Location	27 - May - 2011 23:30 MST
Job depth MD 2705. ft	Job Depth TVD 2705. ft	Job Started	28 - May - 2011 05:58 MST
Water Depth	Wk Ht Above Floor 4. ft	Job Completed	28 - May - 2011 11:00 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
14 3/4" Open Hole				14.75				.	2720.		
9 5/8" Surface Casing	New		9.625	8.921	36.			.	2720.		

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	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625"	1	
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	4	
3	Water Spacer		20.00	bbl	.	.0	.0	6	
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)	1025.0	sacks	12.3	2.33	12.62	6	12.62
	12.62 Gal	FRESH WATER							
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	180.0	sacks	12.8	2.07	10.67	6	10.67
	10.67 Gal	FRESH WATER							
6	Displacement		203.00	bbl	.	.0	.0	6	
7	Topout Cement	HALCEM (TM) SYSTEM (452986)		sacks	12.5	1.97	10.96	1	10.96
	10.96 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	203.6	Shut In: Instant		Lost Returns	0	Cement Slurry	511.7	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	162	Actual Displacement	203.6	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	
Rates									
Circulating	6	Mixing		6	Displacement	6	Avg. Job	6	
Cement Left In Pipe	Amount	48 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 #: 697-05-72	API/UWI #: 05-045-18732	
Field: GRAND VALLEY	City (SAP): PARACHUTE	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.542 deg. OR N 39 deg. 32 min. 31.542 secs.		Long: W 108.238 deg. OR W -109 deg. 45 min. 42.944 secs.	
Contractor: H&P Drilling		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: 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	05/27/2011 16:30							
Pre-Convoy Safety Meeting	05/27/2011 19:25							WITH ALL HES EE'S
Depart from Service Center or Other Site	05/27/2011 19:30							
Arrive At Loc	05/27/2011 23:30							ARRIVED 6.5 HRS EARLY, RUNNING CASING UPON ARRIVAL
Assessment Of Location Safety Meeting	05/28/2011 00:30							WITH ALL HES EE'S
Pre-Rig Up Safety Meeting	05/28/2011 01:00							WITH ALL HES EE'S
Rig-Up Equipment	05/28/2011 01:05							IRON TO FLOOR, WATER LINES, 1 660 BULK TRUCK, 1 FIELD STORAGE BIN, F-550
Pre-Job Safety Meeting	05/28/2011 05:30							WITH ALL HES EE'S AND RIG CREW
Start Job	05/28/2011 05:58							TD-2705', TP-2682', SJ-48', MUD-9.9#, OH-14 3/4", 9 5/8" CASING 36# J-55
Prime Pumps	05/28/2011 05:58		2	2			40.0	FRESH WATER
Test Lines	05/28/2011 05:59		0.5	0.5			3200.0	TESTED TO 3200psi, TEST HELD GREAT
Pump Spacer 1	05/28/2011 06:02		4	20			115.0	FRESH WATER
Pump Spacer	05/28/2011 06:07		4	20			236.0	GEL SPACER
Pump Spacer 1	05/28/2011 06:12		6	20			260.0	FRESH WATER
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

Sold To # : 344034

Ship To # :2856507

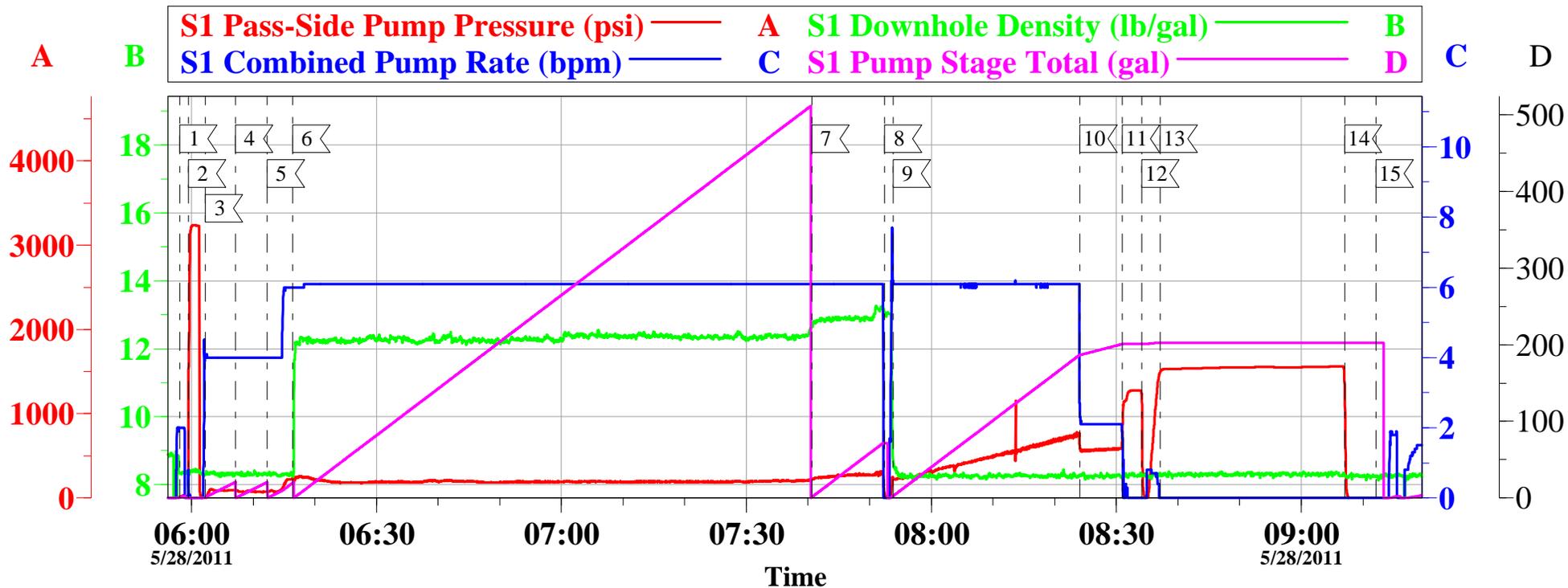
Quote # :

Sales Order # : 8205526

		#	Stage	Total	Tubing	Casing	
Pump Lead Cement	05/28/2011 06:16		6	425.3		220.0	1025sks OF VERSACEM PUMPED @ 12.3#, 2.38 ft3/sk, 13.75 gal/sk
Pump Tail Cement	05/28/2011 07:40		6	66.4		285.0	180sks OF VERSACEM PUMPED @ 12.8#, 2.11 ft3/sk, 11.75 gal/sk
Shutdown	05/28/2011 07:52						
Drop Top Plug	05/28/2011 07:52						PLUG LEFT HEAD WITH NO PROBLEMS
Pump Displacement	05/28/2011 07:53		6	203.6		760.0	FRESH WATER
Slow Rate	05/28/2011 08:24		2	193		560.0	LAST 10 BBLS
Bump Plug	05/28/2011 08:31		2	203.6		1280.0	TOOK 500psi OVER
Check Floats	05/28/2011 08:34						FLOATS HELD
Pressure Up	05/28/2011 08:37		1	0.5		1500.0	30 MIN CASING TEST
Release Casing Pressure	05/28/2011 09:07						TEST HELD GREAT
Start Job	05/28/2011 10:49						
Pump Cement	05/28/2011 10:49		1	20		.0	57sks OF HALCEM PUMPED @ 12.5# ,1.97 ft3/sk, 10.96 gal/sk (TOP OUT CEMENT)
Shutdown	05/28/2011 10:59						
End Job	05/28/2011 11:00						GOOD RETURNS THROUGHOUT JOB,162 BBLS OF CEMENT BACK TO THE PIT
Post-Job Safety Meeting (Pre Rig-Down)	05/28/2011 11:05						WITH ALL HES EE'S
Rig-Down Equipment	05/28/2011 11:45						
Pre-Convoy Safety Meeting	05/28/2011 13:00						WITH ALL HES EE'S
Depart Location for Service Center or Other Site	05/28/2011 13:05						THANK YOU FOR USING GRAND JUNCTION HALLIBURTON CEMENT, BRYAN HOEFER AND CREW

OXY

CC 697-05-72, SURFACE

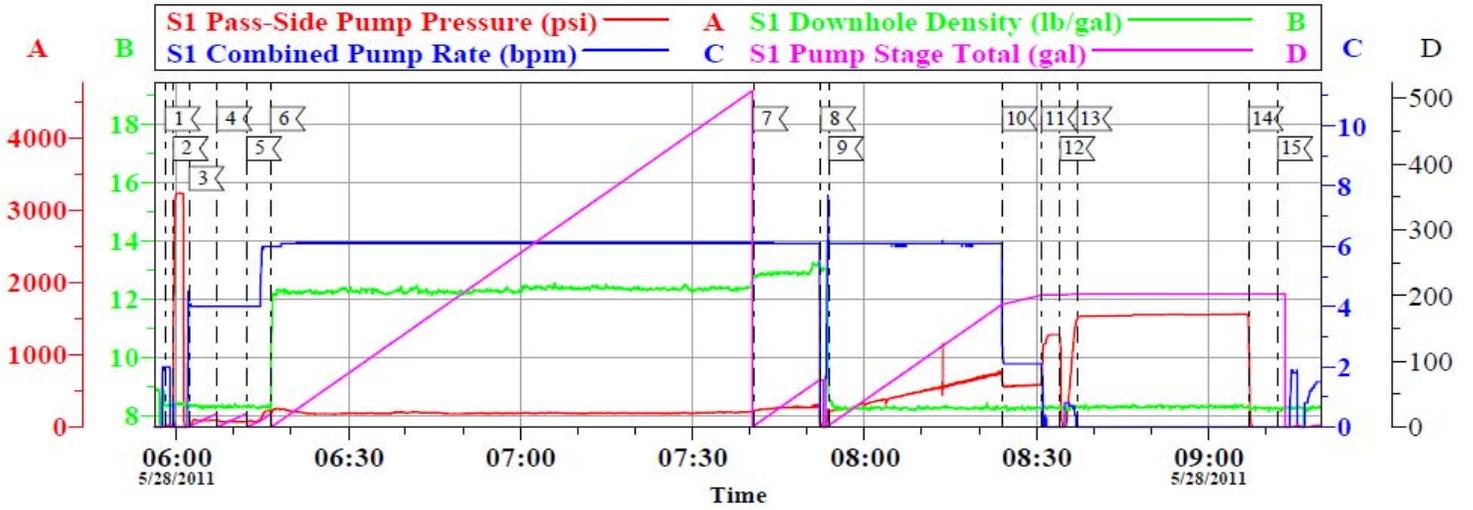


Local Event Log							
	Maximum	SPPP		Maximum	SPPP		
1	START JOB	05:58:07	32.30	2	TEST LINES	05:59:30	3237
3	PUMP FRESH WATER	06:02:16	105.3	4	PUMP GEL SPACER	06:07:09	96.30
5	PUMP FRESH WATER	06:12:17	227.7	6	PUMP LEAD CEMENT	06:16:25	256.3
7	PUMP TAIL CEMENT	07:40:38	318.3	8	SHUT DOWN/DROP TOP PLUG	07:52:26	251.3
9	PUMP DISPLACEMENT	07:53:49	1155	10	SLOW RATE	08:24:07	809.5
11	BUMP PLUG	08:31:00	1278	12	CHECK FLOATS	08:34:10	1488
13	START CASING TEST	08:37:06	1561	14	RELEASE PRESSURE	09:07:02	1352
15	END JOB	09:12:07	596.3				

Customer: OXY	Job Date: 28-May-2011	Sales Order #: 8205526
Well Description: CC 697-05-72	Job type: SURFACE	ADC Used: YES
Customer Rep: CAL WYLIE	Service Supervisor: BRYAN HOEFER	Operator/ Pump: ANDERSON/ #7

OXY

CC 697-05-72, SURFACE

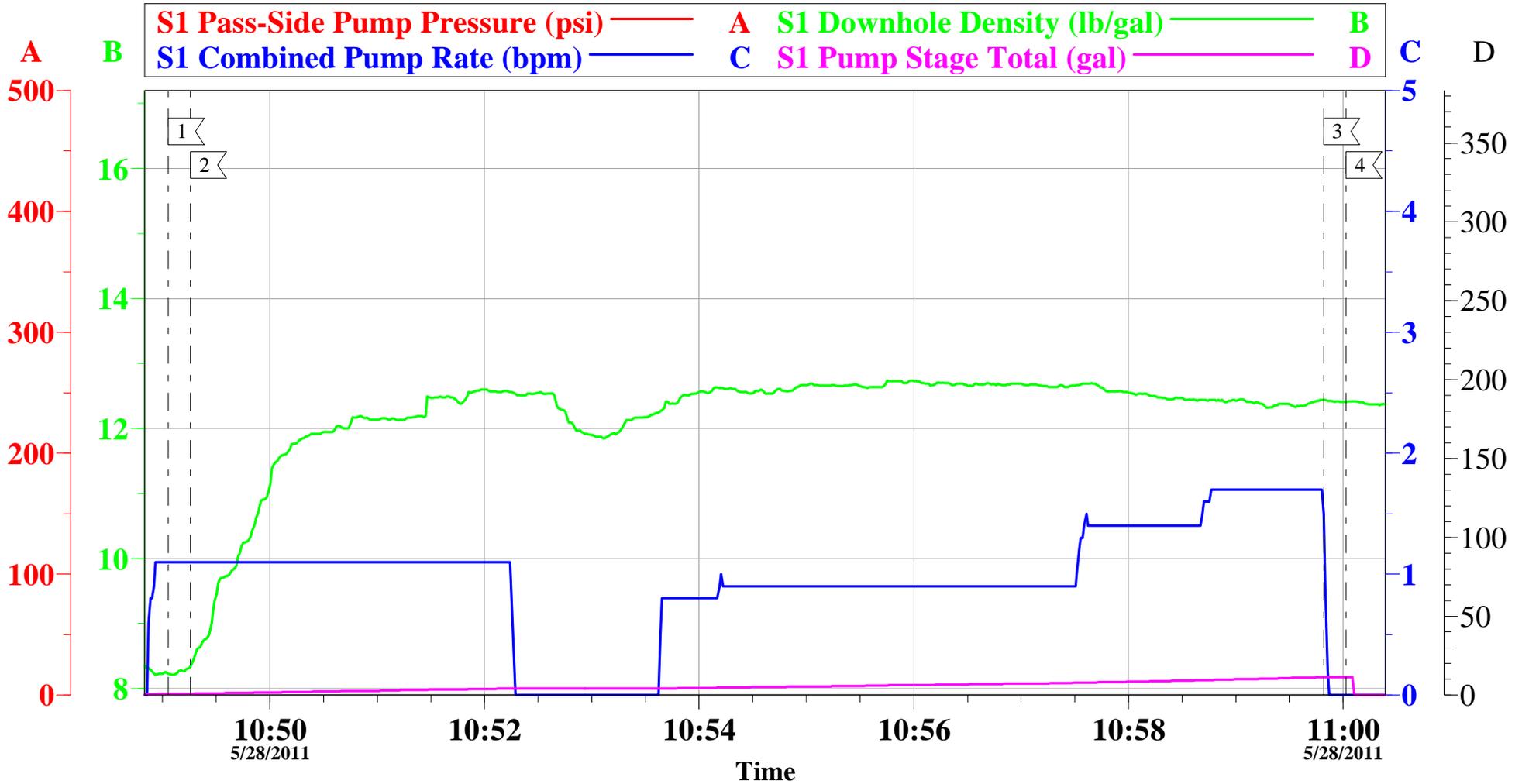


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Customer Rep: CAL WYLIE	Service Supervisor: BRYAN HOEFER	Operator/ Pump: ANDERSON/ #7

OptiCem v6.4.9
28-May-11 09:34

OXY

CC-697-05-72, TOP OUT



Local Event Log							
	Maximum	SPPP	Maximum	SPPP			
1	START JOB	10:49:03	-19.70	2	PUMP TOP OUT	10:49:16	-18.70
3	SHUTDOWN	10:59:49	-18.70	4	END JOB	11:00:02	29.30

Customer: OXY	Job Date: 28-May-2011	Sales Order #: 8205526
Well Description: CC-697-05-72	Job type: TOP OUT	ADC Used: YES
Customer Rep: HENERY COOMBS	Service Supervisor: BRYAN HOEFER	Operator/ Pump: ANDERSON/#7

Sales Order #: 8205526	Line Item: 10	Survey Conducted Date: 5/28/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: HENERY COOMBS		API / UWI: (leave blank if unknown) 05-045-18732
Well Name: CC		Well Number: 697-05-72
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	5/28/2011
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	HENERY COOMBS
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 #: 8205526	Line Item: 10	Survey Conducted Date: 5/28/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: HENERY COOMBS		API / UWI: (leave blank if unknown) 05-045-18732
Well Name: CC		Well Number: 697-05-72
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	5/28/2011
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)	3
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	6
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 #: 8205526	Line Item: 10	Survey Conducted Date: 5/28/2011
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Customer Representative: HENERY COOMBS		API / UWI: (leave blank if unknown) 05-045-18732
Well Name: CC		Well Number: 697-05-72
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	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	98
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