
OXY GRAND JUNCTION EBUSINESS

**CC 697-05-28B
Parachute
Garfield County , Colorado**

**Cement Surface Casing
01-Nov-2011**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 344034	Quote #:	Sales Order #: 8560982
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: COOMBS, HENRY	
Well Name: CC		Well #: 697-05-28B	API/UWI #: 05-045-20360
Field: Parachute	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Lat: N 39.555 deg. OR N 39 deg. 33 min. 16.308 secs.		Long: W 108.242 deg. OR W -109 deg. 45 min. 27.54 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: HIMES, JEFFREY		Srvc Supervisor: TRIPLETT, MICHEAL	MBU ID Emp #: 447908

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AFOA, SAVANNAH	15.5	498826	SILVERTHORN, AARON Jacob	15.5	491305	SIMINEO, JEROD M	15.5	479954
TRIPLETT, MICHEAL Anthony	15.5	447908	WINKER, STEVEN	15.5	478776			

Equipment

HES Unit #	Distance-1 way						
10722398	120 mile	10951247	120 mile	11139330	120 mile	11560046	120 mile
11562538	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/31/2011	5	0	11/1/2011	9.5	5			

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
			On Location	31 - Oct - 2011	12:00	MST
Form Type	BHST		Job Started	31 - Oct - 2011	18:30	MST
Job depth MD	2700. ft	Job Depth TVD	2700. ft	Job Started	01 - Nov - 2011	01:30
Water Depth		Wk Ht Above Floor	2. ft	Job Completed	01 - Nov - 2011	08:20
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	01 - Nov - 2011	09:30	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
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 ft ³ /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	4.0	
2	Gel Spacer		20.00	bbl				4.0	
3	Water Spacer		20.00	bbl				4.0	
4	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	1060.0	sacks	12.3	2.33	12.62	6.0	12.62
	12.62 Gal	FRESH WATER							
5	VersaCem Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.07	10.67	6.0	10.67
	10.67 Gal	FRESH WATER							
6	Displacement		203.00	bbl				6.0	
7	Topout Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	12.5	1.97	10.96	3.0	10.96
	10.96 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	203.4	Shut In: Instant		Lost Returns	530	Cement Slurry		Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	8	Actual Displacement	203.4	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	800
Rates									
Circulating	6	Mixing		6	Displacement		6	Avg. Job	6
Cement Left In Pipe	Amount	45.36 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

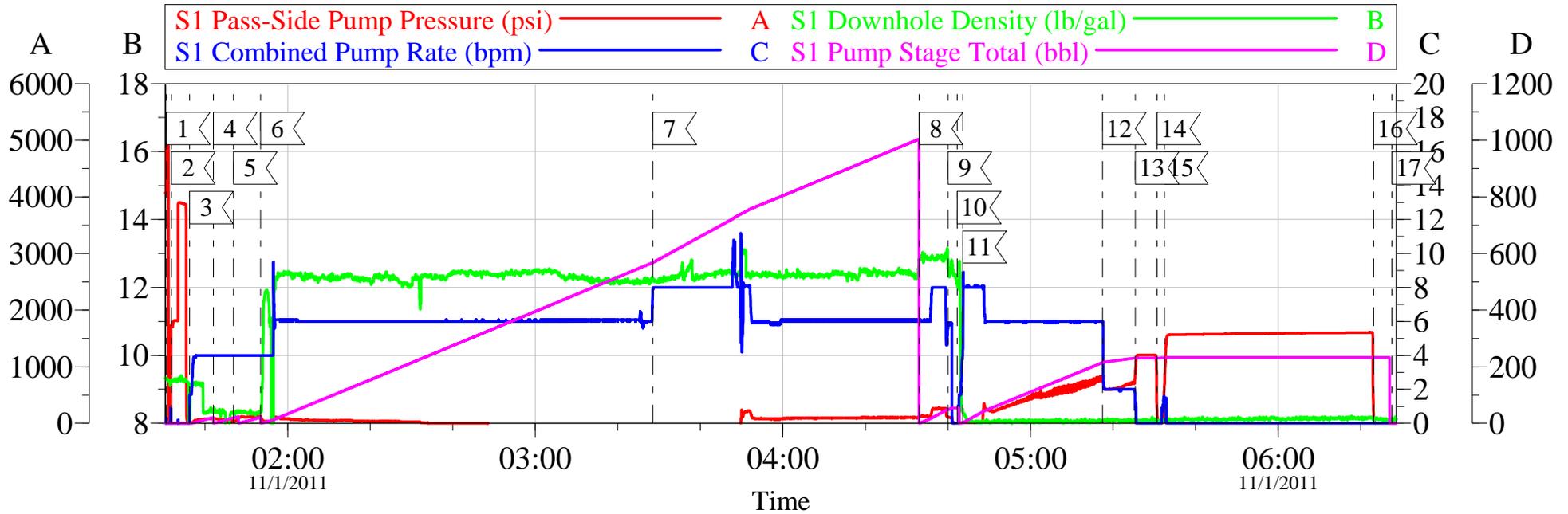
Sold To #: 344034	Ship To #: 344034	Quote #:	Sales Order #: 8560982
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: COOMBS, HENRY	
Well Name: CC		Well #: 697-05-28B	API/UWI #: 05-045-20360
Field: Parachute	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.555 deg. OR N 39 deg. 33 min. 16.308 secs.		Long: W 108.242 deg. OR W -109 deg. 45 min. 27.54 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: HIMES, JEFFREY		Srvc Supervisor: TRIPLETT, MICHEAL	MBU ID Emp #: 447908

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/31/2011 12:00							
Pre-Convoy Safety Meeting	10/31/2011 14:25							
Crew Leave Yard	10/31/2011 14:30							
Arrive At Loc	10/31/2011 18:30							
Assessment Of Location Safety Meeting	10/31/2011 18:35							RIG WAS STILL RUNNING CASING, COULDN'T SPOT EQUIPMENT DUE TO BEING IN BUFFER ZONE.
Other	10/31/2011 23:30							SPOT EQUIPMENT, 1 RCM PUMP, 1 660
Pre-Rig Up Safety Meeting	10/31/2011 23:45							GO OVER JSA AND HAVE CREW SIGN.
Rig-Up Equipment	10/31/2011 23:50							
Pre-Job Safety Meeting	11/01/2011 01:15							GO OVER JOB PROCEDURES AND SAFETY INFORMATION
Start Job	11/01/2011 01:31							TD:2725', TP:2676', SJ:45.36', MW:9.4, CASING: 9.625 36#, OH: 14.75", OFFLINE CEMENT JOB
Test Lines	11/01/2011 01:32						3000.0	PRESSURE TEST PUMPS AND LINES. STARTED AT PSI AND ENDED AT PSI. LOST PSI IN TWO MINUTES.
Pump Spacer 1	11/01/2011 01:36		4	20			83.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 2	11/01/2011 01:42		4	20			100.0	LGC SPACER 2.5 GALLONS PER 10 BBLs.
Pump Spacer 3	11/01/2011 01:48		4	20			120.0	FRESH WATER
Pump Lead Cement	11/01/2011 01:53		6	439.9			140.0	1060 SACKS MIXED @ 12.3, 2.33 YIELD, 12.62GAL/SACK, HAD TO AUTO CAL DOWNHOLE THREE TIMES. HAD TO BRING RATE UP DURING CEMENT DUE TO NOT MOVING FLUID VERY FAST. HAD 500 BBLs GONE WHEN REALIZED FLUID WASN'T MOVED FAST AS PUMPING. BBL COUNTER WAS OFF.
Pump Tail Cement	11/01/2011 04:33		6	55.3			262.0	150 SACKS MIXED @ 12.8, 2.07 YIELD, 10.67 GAL/SACK
Shutdown	11/01/2011 04:40							
Drop Top Plug	11/01/2011 04:42							VERIFIED PLUG LEFT.
Pump Displacement	11/01/2011 04:43		6	203.4			780.0	FRESHWATER
Slow Rate	11/01/2011 05:17		2	193.4			660.0	SLOWED RATE LAST 10BBLs OF DISPLACEMENT
Bump Plug	11/01/2011 05:25			203.4			720.0	BUMP PLUG AND WENT 500 PSI OVER.
Check Floats	11/01/2011 05:30							FLOATS HELD
Pressure Test	11/01/2011 05:32						1500	PRESSURE TEST CASING, HOLD FOR 30 MINUTES.
Release Casing Pressure	11/01/2011 06:23						.0	CASING TEST GOOD
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

End Job	11/01/2011 06:27							HAD NO CIRCULATION TIL 30 BBLS OF TAIL GONE. LOST CIRCULATION WITH 110 BBLS OF DISPLACEMENT AWAY. CHARGED 6 ADDITIONAL HOURS TO TICKET.
Wait on HES Materials to Arrive - Start Time	11/01/2011 06:30							WAITING FOR SURFACE JOB CEMENT TO SET UP.
Wait on HES Materials to Arrive - End Time	11/01/2011 07:55							
Start Job	11/01/2011 08:02							START TOPOUT JOB
Pump Spacer 1	11/01/2011 08:03		2	2			.0	FRESH WATER, TO CLEAR PARISITE STRING.
Pump Cement	11/01/2011 08:04		3	33.4			105.0	100 SACKS MIXED @ 12.5 PPG, 1.96 YIELD, 10.67 GALS/SACK
Pump Displacement	11/01/2011 08:19		2	2			20.0	PUMPED FRESH WATER TO CLEANLINES AND 2" TUBING
End Job	11/01/2011 08:20							GOT CEMENT BACK WITH 22 BBLS GONE. SHUTDOWN TO LET FALL BACK. BLEW LINE CLEAN OF CEMENT AND PUMPED THAT DOWN HOLE. GOT 8 BBLS BACK TO SURFACE.
Post-Job Safety Meeting (Pre Rig-Down)	11/01/2011 08:25							
Rig-Down Equipment	11/01/2011 08:30							
Pre-Convoy Safety Meeting	11/01/2011 09:25							
Crew Leave Location	11/01/2011 09:30							THANKS FOR USING HALLIBURTON MIKE TRIPLETT AND CREW

OXY SURFACE CC-697-05-28B

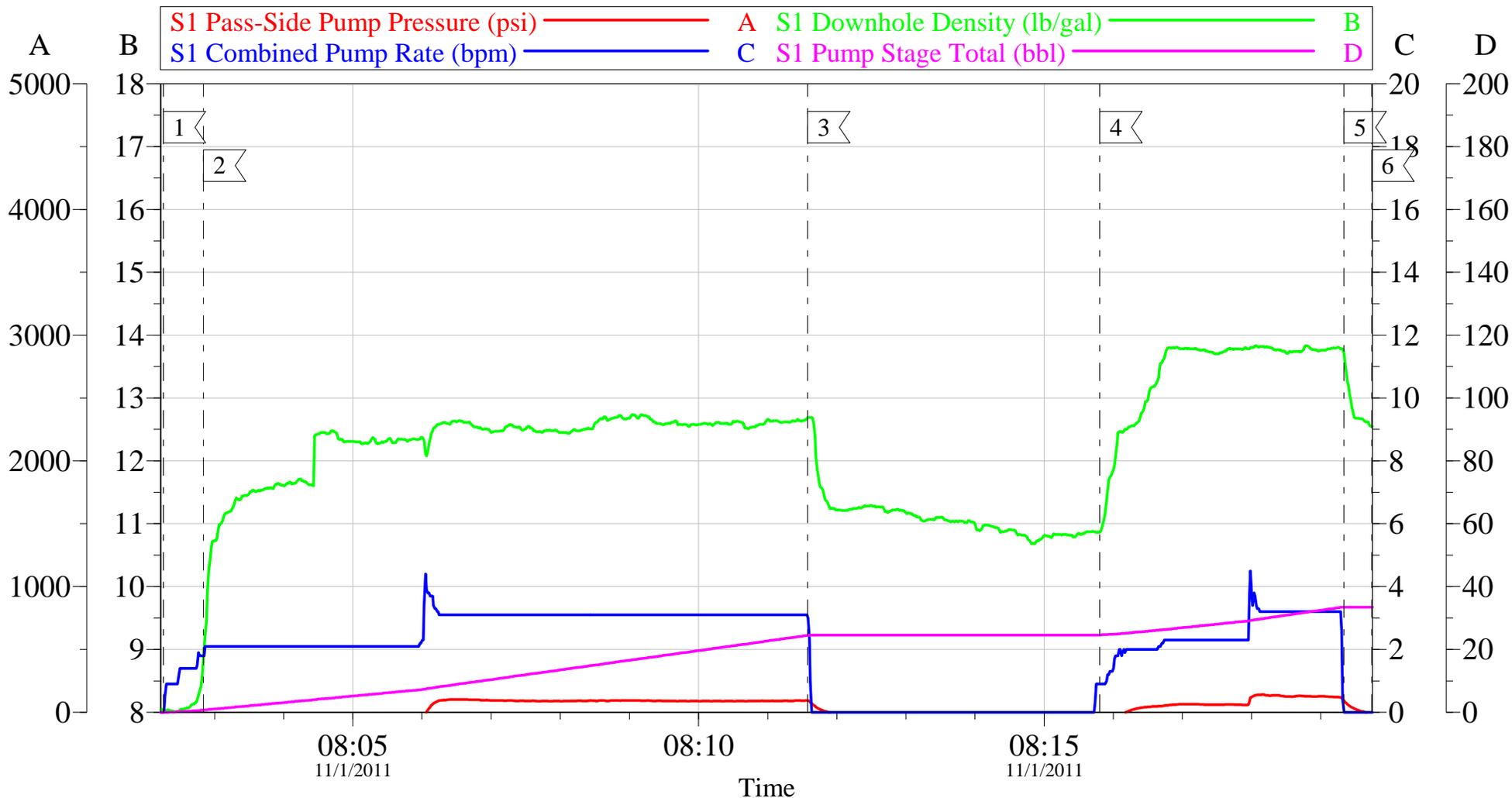


Local Event Log

1	START JOB	01:30:38	2	PRESSURE TEST	01:31:53
3	START FRESHWATER	01:36:16	4	START FRESHWATER	01:42:02
5	START LGC SPACER	01:46:53	6	START LEAD CEMENT	01:53:29
7	SEE JOB LOG	03:28:32	8	START TAIL CEMENT	04:33:00
9	SHUTDOWN	04:40:02	10	DROP PLUG	04:42:17
11	START DISPLACEMENT	04:43:34	12	SLOWRATE	05:17:29
13	BUMP PLUG	05:25:24	14	CHECK FLOATS	05:30:41
15	PRESSURE TEST CASING	05:32:29	16	RELEASE CASING PRESSURE	06:23:08
17	END JOB	06:27:35			

Customer: OXY	Job Date: 01-Nov-2011	Sales Order #: 8560982
Well Description: CC-697-05-28B	JOB TYPE: SURFACE	COMPANY REP:
ADC USED: YES	SERVICE SUPERVISOR: MIKE TRIPLETT	ELITE/OPERATER 5/ JEROD SIMINEO

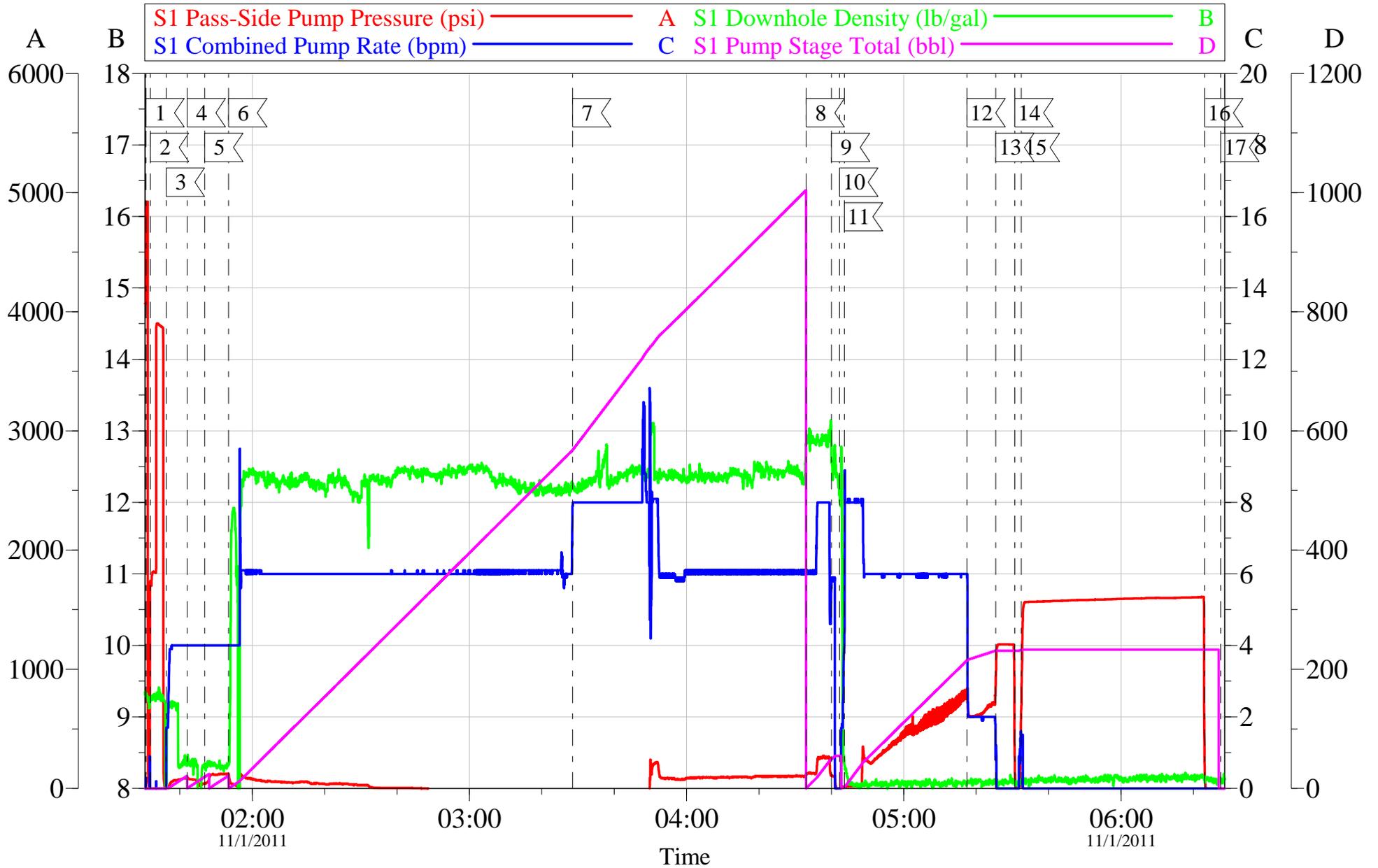
OXY TOPOUT CC-697-05-28B



Local Event Log					
1	START JOB	08:02:15	2	PUMP CEMENT	08:02:50
			3	SHUTDOWN	08:11:35
4	PUMP CEMENT	08:15:48	5	SHUTDOWN	08:19:20
			6	END JOB	08:19:44

Customer:	Job Date:	Sales Order #:	8560982
Well Description:	JOB TYPE:	COMPANY REP:	ELITE/OPERATER
ADC USED:	SERVICE SUPERVISOR:		

OXY SURFACE CC-697-05-28B



Customer: OXY	Job Date: 01-Nov-2011	Sales Order #: 8560982
Well Description: CC-697-05-28B	JOB TYPE: SURFACE	COMPANY REP:
ADC USED: YES	SERVICE SUPERVISOR: MIKE TRIPLETT	ELITE/OPERATER 5/ JEROD SIMINEO

HALLIBURTON

Water Analysis Report

Company: OXY
Submitted by: MIKE TRIPLETT
Attention: LAB
Lease: CASCADE CREEK
Well #: 697-05-28B

Date: 10/31/2011
Date Rec.: 10/31/2011
S.O.#: 8560982
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	250 Mg / L
Calcium (Ca)	<i>500</i>	0 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	250 Mg / L
Sulfates (SO ₄)	<i>1500</i>	-200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	65 Deg
Total Dissolved Solids		0 Mg / L

Respectfully: MIKE TRIPLETT

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or

Sales Order #: 8560982	Line Item: 10	Survey Conducted Date: 11/1/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: ALEX		API / UWI: (leave blank if unknown) 05-045-20360
Well Name: CC		Well Number: 697-05-28B
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	11/1/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHEAL TRIPLETT (HB15721)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	ALEX
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

CUSTOMER SIGNATURE

Sales Order #: 8560982	Line Item: 10	Survey Conducted Date: 11/1/2011
Customer: OXY GRAND JUNCTION EBUSINESS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: ALEX		API / UWI: (leave blank if unknown) 05-045-20360
Well Name: CC		Well Number: 697-05-28B
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	11/1/2011
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

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Customer Representative: ALEX		API / UWI: (leave blank if unknown) 05-045-20360
Well Name: CC		Well Number: 697-05-28B
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	95
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	95
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