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**OXY GRAND JUNCTION EBUSINESS**

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**CC 697-08-06A  
GRAND VALLEY  
Garfield County , Colorado**

**Cement Surface Casing**  
22-Mar-2011

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 344034	<b>Ship To #:</b> 2844067	<b>Quote #:</b>	<b>Sales Order #:</b> 7838658
<b>Customer:</b> OXY GRAND JUNCTION EBUSINESS		<b>Customer Rep:</b> VILLEGAS, ALEX	
<b>Well Name:</b> CC		<b>Well #:</b> 697-08-06A	<b>API/UWI #:</b> 05-045-18127
<b>Field:</b> GRAND VALLEY	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.542 deg. OR N 39 deg. 32 min. 31.11 secs.		<b>Long:</b> W 108.238 deg. OR W -109 deg. 45 min. 42.574 secs.	
<b>Contractor:</b> H&P 353		<b>Rig/Platform Name/Num:</b> H&P 353	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> DUNNING, DUSTIN		<b>Srvc Supervisor:</b> STILLSON, ERIC	<b>MBU ID Emp #:</b> 393789

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COSTELDIA, BROCK James	18	476115	HEITZ, CHAD	18	446290	STILLSON, ERIC W	18	393789
WEAVER, CARLTON Russell	18	457698						

**Equipment**

HES Unit #	Distance-1 way						
10053558	120 mile	10567589C	120 mile	10784064	120 mile	10951246	120 mile
10995027	120 mile	11006314	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
03-21-11	15	4	03-22-11	3	1			

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

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Formation Depth (MD)</b>			<b>On Location</b>	21 - Mar - 2011	09:30	MST
<b>Form Type</b>		BHST	<b>Job Started</b>	21 - Mar - 2011	15:58	MST
<b>Job depth MD</b>	2692. ft	<b>Job Depth TVD</b>	2692. ft	<b>Job Completed</b>	22 - Mar - 2011	00:29
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	4. ft	<b>Departed Loc</b>	22 - Mar - 2011	02:30
<b>Perforation Depth (MD)</b>	From	To				

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
OPEN HOLE SECTION				14.75				.	2720.		
SURFACE CASING	Unknown		9.625	8.921	36.			.	2692.		

**Sales/Rental/3<sup>rd</sup> 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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		20.00	bbl	8.33	.0	.0	5.0	
2	Gel Water	SUPER FLUSH 101 - SBM (12199)	20.00	bbl	8.4	.0	.0	5.0	
	42 gal/bbl	FRESH WATER							
	0.25 gal/bbl	LGC-36 UC, BULK (101582749)							
3	Water Spacer		20.00	bbl	8.33	.0	.0	6.0	
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)	1024.0	sacks	12.3	2.33	12.62	6.0	12.62
	12.62 Gal	FRESH WATER							
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	180.0	sacks	12.8	2.07	10.67	4.0	10.67
	10.67 Gal	FRESH WATER							
6	Displacement		204.00	bbl	8.33	.0	.0	6.0	
7	Topout Cement	HALCEM (TM) SYSTEM (452986)	51.0	sacks	12.5	1.97	10.96	2.5	10.96
	10.96 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	204	Shut In: Instant		Lost Returns		Cement Slurry	509	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	190	Actual Displacement	204	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	
Rates									
Circulating	RIG	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	46 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					

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<b>Well Name:</b> CC		<b>Well #:</b> 697-08-06A	<b>API/UWI #:</b> 05-045-18127
<b>Field:</b> GRAND VALLEY	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
<b>Lat:</b> N 39.542 deg. OR N 39 deg. 32 min. 31.11 secs.		<b>Long:</b> W 108.238 deg. OR W -109 deg. 45 min. 42.574 secs.	
<b>Contractor:</b> H&P 353		<b>Rig/Platform Name/Num:</b> H&P 353	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> DUNNING, DUSTIN		<b>Srvc Supervisor:</b> STILLSON, ERIC	<b>MBU ID Emp #:</b> 393789

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/21/2011 03:00							9 5/8 SURFACE, OXY, H&P 353, CC 697- 08-06A
Pre-Convoy Safety Meeting	03/21/2011 05:30							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Arrive At Loc	03/21/2011 09:30							RIG RUNNING CASING.
Assessment Of Location Safety Meeting	03/21/2011 13:30							REVIEWED EMERGENCY PLAN, ASSESSED WORK AREA AND SPOTTED EQUIPMENT.
Pre-Rig Up Safety Meeting	03/21/2011 13:50							ENTIRE CREW, WALKED THROUGH RIG UP LOOKING FOR HAZARDS.
Rig-Up Equipment	03/21/2011 14:00							1 PICK UP, 1 HT400 PUMP TRUCK, 1 660 BULK CEMENT TRUCK, 1 BULK CEMENT SILO, 1 BULK CEMENT STORAGE BIN, 1 QUICK LATCH HEAD WITH PLUG.
Pre-Job Safety Meeting	03/21/2011 15:40							ENTIRE CREW, CO REP AND RIG CREW.
Start Job	03/21/2011 15:58							TD 2720 TP 2692 SJ 46 FC 2646 MW 9.2 PPG, 9 5/8 36# CASING IN 14 3/4 HOLE, PARASITE SET AT 2516.
Pump Water	03/21/2011 15:59		2	2			38.0	FILL LINES BEFORE TESTING

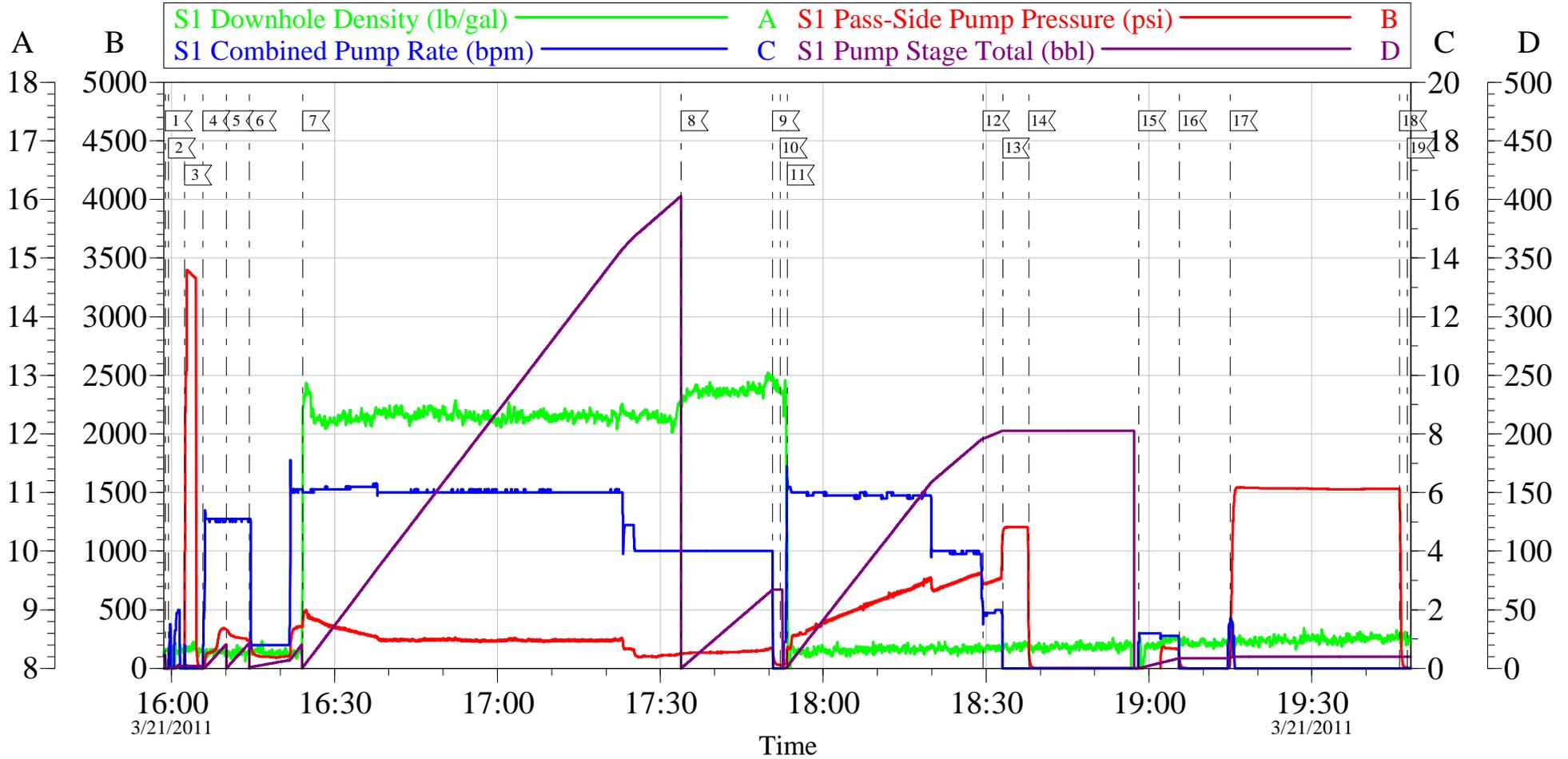
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pressure Test	03/21/2011 16:02		0.5	0.1			3330.0	HELD PRESSURE FOR 2 MIN, PRESSURE HELD, NO LEAKS.
Pump Spacer 1	03/21/2011 16:05		5	20			340.0	FRESH WATER
Pump Spacer 2	03/21/2011 16:10		5	20			300.0	GEL SPACER, 20 BBLS WATER WITH 5 GAL LGC.
Pump Spacer 1	03/21/2011 16:14		6	20			360.0	FRESH WATER, SLOWED TO 1 BPM AND PREMIXED CEMENT TUB AND WEIGHED WITH SCALES. SPED TO 6 BPM AT 8 BBLS GONE.
Pump Lead Cement	03/21/2011 16:24		6	424.9			425.0	1024 SKS VERSACEM, 12.3 PPG, 2.33 CUFT/SK, 12.62 GAL/SK, 7 BOXES TUFF FIBER MIXED IN DOWNHOLE SIDE OF TUB ON THE FLY. SLOWED RATE TO 4 BPM AT 370 BBLS GONE DUE TO CELLAR PUMP NOT KEEPING UP.
Pump Tail Cement	03/21/2011 17:33		4	66.4			175.0	180 SKS VERSACEM, 12.8 PPG, 2.07 CUFT/SK, 10.67 GAL/SK,
Shutdown	03/21/2011 17:50							
Drop Top Plug	03/21/2011 17:52							VARIIFIED PLUG LEFT CONTAINER.
Pump Displacement	03/21/2011 17:53		6	204.5			810.0	FRESH WATER, SLOWED RATE TO 4 BPM AT 160 BBLS GONE DUE TO CELLAR PUMP NOT KEEPING UP.
Slow Rate	03/21/2011 18:29		2	194			770.0	SLOWED RATE TO 2 BPM TO BUMP PLUG.
Bump Plug	03/21/2011 18:33		2	204.5			1210.0	PLUG LANDED AT 770 PSI, BUMPED UP TO 1210 PSI AND HELD FOR 5 MIN PER CO REP.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	03/21/2011 18:37							FLOATS HELD, WHEN RELEASED PRESSURE GOT 1 BBL OF WATER BACK TO TRUCK.
Safety Huddle	03/21/2011 18:40							RIG UP IRON TO CELLAR TO PUMP THROUGH PARASITE.
Pump Water	03/21/2011 18:58		1	10			180.0	10 BBLS WATER WITH 10 LBS SUAR PUMPED TO CLEAR PARASITE, CAUGHT PRESSURE AND RETURNS AT 6 BBLS GONE.
Shutdown	03/21/2011 19:05							PARASITE CLEAR.
Safety Huddle	03/21/2011 19:06							RIG UP IRON TO TEST CASING.
Pressure Up	03/21/2011 19:14		1	1			1543.0	PRESSURE UP TO 1500 PSI TO TEST CASING.
Release Casing Pressure	03/21/2011 19:46							RELEASED PRESSURE AT 1532 PSI, GOOD TEST.
Safety Huddle	03/21/2011 23:30							RIG UP TO TOPOUT. USED TOPOUT TRUCK WITH 250 SKS REMAINING FROM PREVIOUS WELL, IT WAS CHARGED ON THAT TICKET.
Pump Cement	03/22/2011 00:01		2.5	9.5	9.5		114.0	TOPOUT CEMENT, 12.5 PPG, 1.97 CUFT/SK, 10.96 GAL/SK. CEMENT TO SURFACE AT 9 BBLS GONE.
Shutdown	03/22/2011 00:05							SHUTDOWN TO SEE IF CEMENT FALLS BACK
Pump Cement	03/22/2011 00:12		1.5	4.5	14		35.0	TOPOUT CEMENT, 12.5 PPG, 1.97 CUFT/SK, 10.96 GAL/SK, CEMENT DID NOT FALL BACK, CEMENT TO SURFACE RIGHT AWAY.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Shutdown	03/22/2011 00:14							WAIT 10 MINUTES THEN FINISH PUMPING REST OF TUB.
Pump Cement	03/22/2011 00:24		1.5	4	18		30.0	TOPOUT CEMENT, 12.5 PPG, 1.97 CUFT/SK, 10.96 GAL/SK, PUMPED 18 BBLs TOTAL, 51 SKS USED, APPROX 199 SKS REMAINING ON BULK TRUCK WILL BE LEFT ON LOCATION FOR NEXT JOB.
Pump Water	03/22/2011 00:27		1.5	1.5			20.0	CHASE WITH WATER TO CLEAR OUT IRON AND 1 INCH PIPE.
Shutdown	03/22/2011 00:28							CEMENT DID NOT FALL BACK
End Job	03/22/2011 00:29							DID NOT RECIPROCATATE PIPE DURING JOB. GOOD RETURNS FROM LEAD CEMENT TO END, 190 BBLs OF CEMENT TO SURFACE DURING MAIN JOB AND TOPOUT, USED 120 LBS SUGAR.
Post-Job Safety Meeting (Pre Rig-Down)	03/22/2011 00:35							ENTIRE CREW
Rig-Down Equipment	03/22/2011 01:30							
Pre-Convoy Safety Meeting	03/22/2011 02:30							ENTIRE CREW, OBSERVE ALL SAFE DRIVING PROCEDURES
Crew Leave Location	03/22/2011 02:45							THANK YOU FOR USING HALLIBURTON, ERIC STILLSON AND CREW.

# OXY

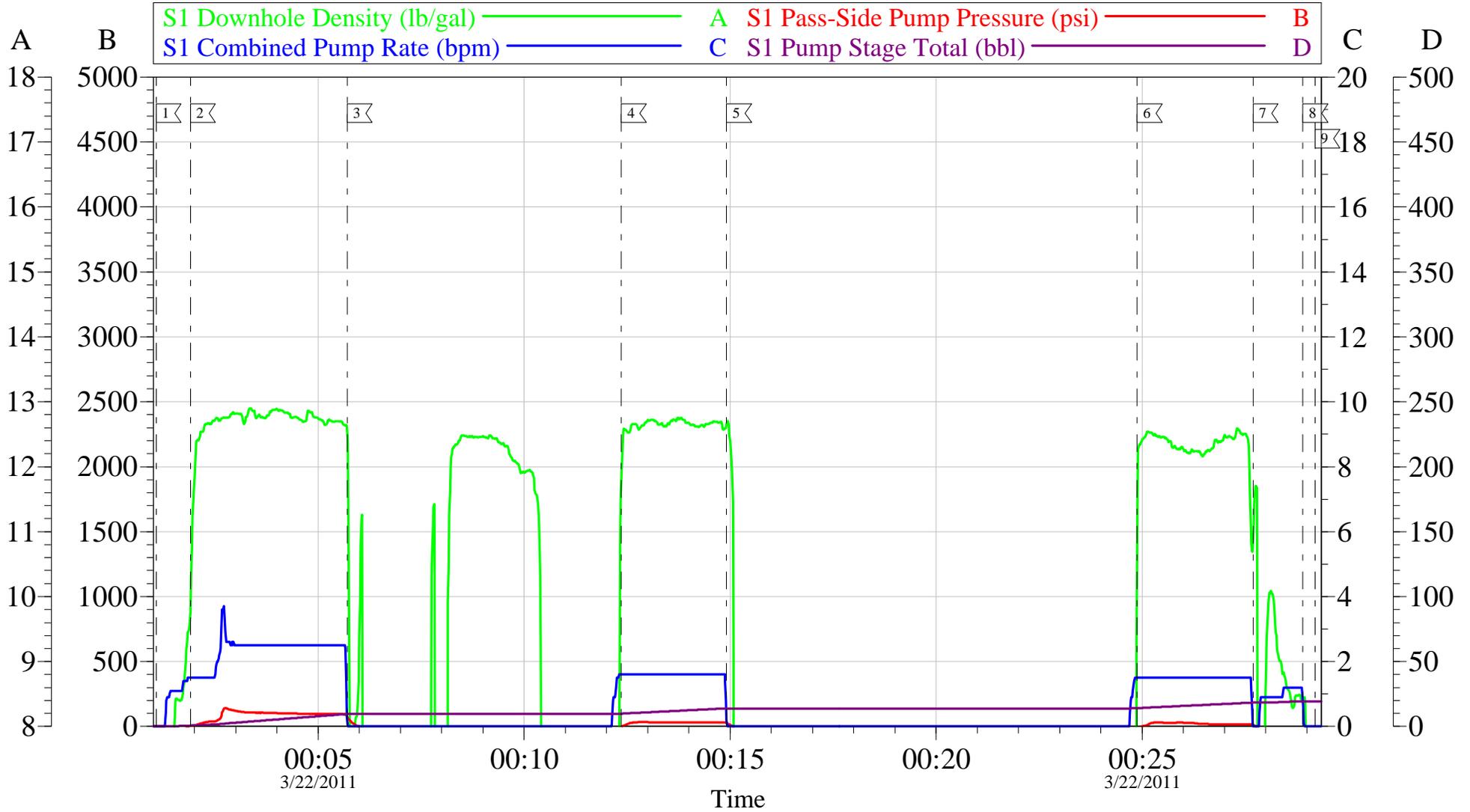
## 9 5/8 SURFACE



Local Event Log								
1	START JOB	15:58:50	2	FILL LINES	15:59:26	3	TEST LINES	16:02:25
4	PUMP WATER SPACER	16:05:47	5	PUMP LGC SPACER	16:10:03	6	PUMP WATER SPACER	16:14:20
7	PUMP LEAD CEMENT	16:24:07	8	PUMP TAIL CEMENT	17:33:49	9	SHUTDOWN	17:50:41
10	DROP PLUG	17:52:03	11	PUMP DISPLACEMENT	17:53:25	12	SLOW RATE	18:29:24
13	BUMP PLUG	18:33:04	14	CHECK FLOATS	18:37:50	15	CLEAR PARASITE	18:58:07
16	SHUTDOWN	19:05:37	17	CASING TEST	19:14:59	18	RELEASE PRESSURE	19:46:10
19	END JOB	19:47:32						

Customer: OXY	Job Date: 21-Mar-2011	Sales Order #: 7838658
Well Description: CC 697-08-06A	Job Type: SURFACE	ADC Used: YES
Company Rep: ALEX VILLEGAS	Cement Supervisor: ERIC STILLSON	Elite #: 3 RUSTY WEAVER

# OXY TOPOUT 9 5/8 SURFACE



Local Event Log			
1 START TOPOUT	00:01:04	2 PUMP CEMENT	00:01:54
			3 SHUTDOWN/CEMENT TO SURF 00:05:42
4 PUMP CEMENT	00:12:21	5 SHUTDOWN	00:14:54
			6 PUMP CEMENT 00:24:53
7 PUMP WATER	00:27:41	8 SHUTDOWN	00:28:54
			9 END JOB 00:29:12

Customer: OXY	Job Date: 21-Mar-2011	Sales Order #: 7838658
Well Description: CC 697-08-06A	Job Type: TOPOUT	ADC Used: YES
Company Rep: ALEX VILLEGAS	Cement Supervisor: ERIC STILLSON	Elite #: 3 RUSTY WEAVER