
OXY GRAND JUNCTION EBUSINESS

**CC 697-05-78B
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
26-Mar-2011

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 2844957	Quote #:	Sales Order #: 7841888
Customer: OXY GRAND JUNCTION EBUSINESS		Customer Rep: Benevides, Victor	
Well Name: CC	Well #: 697-05-78B	API/UWI #: 05-045-18126	
Field: GRAND VALLEY	City (SAP):	County/Parish: Garfield	State: Colorado
Lat: N 39.542 deg. OR N 39 deg. 32 min. 31.171 secs.		Long: W 108.238 deg. OR W -109 deg. 45 min. 42.628 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: DUNNING, DUSTIN		Srvc Supervisor: CALDWELL, JEFFREY	MBU ID Emp #: 369111

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CALDWELL, JEFFREY S	17	369111	LYNGSTAD, FREDRICK D	17	403742	ROMKEE, DALE Alan	17	488215
SLAUGHTER, JESSE Dean	17	454315						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10713212	120 mile	10744648L P	120 mile	10897849	120 mile	10951249	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
03-25-11	4	0	03-26-11	13	4			
TOTAL	<i>Total is the sum of each column separately</i>							

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	25 - Mar - 2011	20:00	MST
Job depth MD	2680. ft		Job Depth TVD	2680. ft	Job Started	26 - Mar - 2011	04:17
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	26 - Mar - 2011	10:53
Perforation Depth (MD)	<i>From</i>		<i>To</i>		Departed Loc	26 - Mar - 2011	13:00

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				.	2690.		
9 5/8 Surface Casing	New		9.625	8.921	36.			.	2690.		

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	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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk			
1	Water Spacer					20	bbl	8.33	.0	.0	.0				
2	Gel Spacer					20	bbl	.	.0	.0	.0				
3	Water Spacer					20	bbl	.	.0	.0	.0				
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)				825	sacks	12.3	2.33	12.62		12.62			
	12.62 Gal	FRESH WATER													
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)				160	sacks	12.8	2.07	10.67		10.67			
	10.67 Gal	FRESH WATER													
6	Displacement					203.6	bbl	.	.0	.0	.0				
7	Topout Cement	HALCEM (TM) SYSTEM (452986)				205	sacks	12.5	1.97	10.96		10.96			
	10.96 Gal	FRESH WATER													
Calculated Values			Pressures				Volumes								
Displacement	203.6	Shut In: Instant				Lost Returns		Cement Slurry		401.4	Pad				
Top Of Cement	SURFACE	5 Min				Cement Returns		5	Actual Displacement		203.6	Treatment			
Frac Gradient		15 Min				Spacers		60	Load and Breakdown			Total Job		665	
Rates															
Circulating	6	Mixing		6		Displacement		8		Avg. Job		6			
Cement Left In Pipe	Amount	45.95 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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Legal Description:			
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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: DUNNING, DUSTIN		Srvc Supervisor: CALDWELL, JEFFREY	
MBU ID Emp #: 369111			

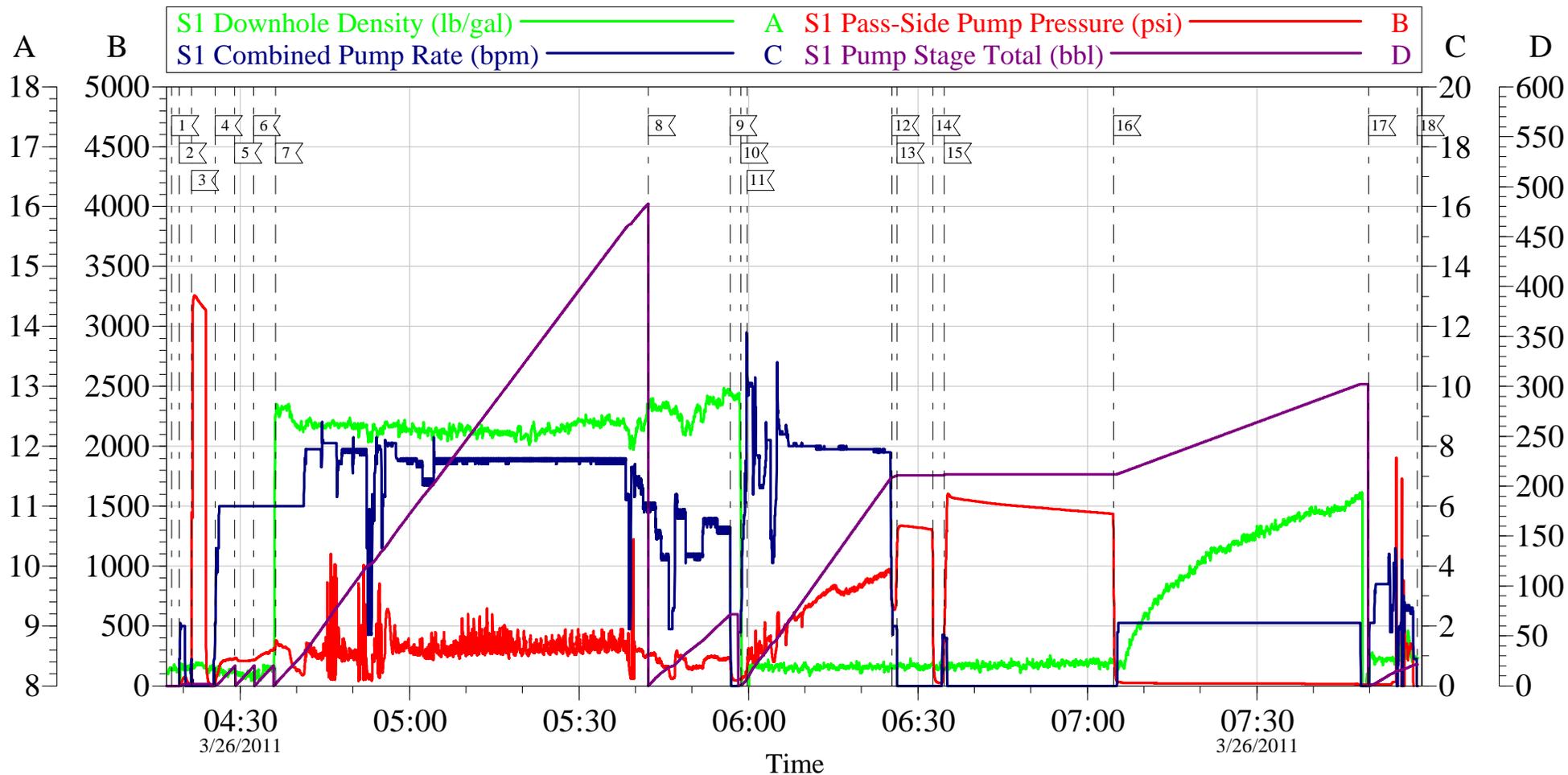
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/25/2011 12:00							ELITE #6
Pre-Convoy Safety Meeting	03/25/2011 14:00							ALL PERSONNEL ASSOCIATED WITH JOB ATTENDED.
Crew Leave Yard	03/25/2011 14:30							
Arrive At Loc	03/25/2011 20:00							CASING WAS STILL BEING RUN.
Safety Meeting	03/26/2011 01:45							ALL PERSONNEL ASSOCIATED WITH JOB ATTENDED.
Rig-Up Equipment	03/26/2011 02:00							
Pre-Job Safety Meeting	03/26/2011 03:45							ALL PERSONNEL ASSOCIATED WITH JOB ATTENDED.
Start Job	03/26/2011 04:17							TD:2700', TP:2680', SJ:45.95', MUF:9.4 PPG, 14 3/4" OH.
Prime Pumps	03/26/2011 04:19		2	2			80.0	H2O
Test Lines	03/26/2011 04:21					3200.0		TEST GOOD
Pump Spacer 1	03/26/2011 04:25		6	20			235.0	H2O
Pump Spacer 2	03/26/2011 04:29							5 GALLONS LGC. 2.5 GALLONS PER 10 BBLs.
Pump Spacer 1	03/26/2011 04:32							H2O

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	03/26/2011 04:36		7.5	342.4			350.0	160 SKS 12.3 PPG 2.33 CUFT/SAK 12.62 GAL/SAK. WE DID NOT GET RETURNS UNTIL 285 BBLS GONE ON LEAD CEMENT.
Pump Tail Cement	03/26/2011 05:42		5	59			250.0	SKS 12.8 PPG 2.07 CUFT/SAK 10.67 GAL/SAK. GOOD RETURNS.
Shutdown	03/26/2011 05:56							
Drop Top Plug	03/26/2011 05:58							PLUG AWAY.
Pump Displacement	03/26/2011 05:59		8	203.6			930.0	H2O. LOST RETURNS @117 GONE INTO DISPLACEMENT.
Slow Rate	03/26/2011 06:25		2	90			650.0	
Bump Plug	03/26/2011 06:26		2	203.6			930.0	PLUG BUMPED.
Check Floats	03/26/2011 06:32							FLOATS HELD.1 BBL BACK.
Other	03/26/2011 06:34						1500.0	CASING TEST. HELD 1500 PSI ON CASING FOR THIRTY MINUTES. WE THEN PUMPED 10 BBLS OF SUGAR H2O DOWN PARACITE.
End Job	03/26/2011 07:58							AS PER COMPANY REP WE PUMPED 100 SKS LESS OF LEAD THAN THE JOB DESIGN.COMPANY REPZ DID NOT WANT TO MUCH CEMENT TO SURFACE.
Other	03/26/2011 09:00							HALLIBURTON EE WAS INJURED ON JOB DUE TO A GRATE FALLING ON HIS HEAD. WE STOPPED WHAT WE WERE DOING LET THE COMPANY REP KNOW WHAT HAPPENED. AND CONTACTED AXIOM FOR FURTHER ADVICE.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	03/26/2011 09:54							TOP OUT JOB.
Pump Spacer 1	03/26/2011 09:55		1	1			36.0	H2O
Pump Cement	03/26/2011 10:02		1.5	72			69.0	TOP OUT CEMENT. 12.5 PPG 1.97 CUFT/SAK 10.96 GAL/SAK
Shutdown	03/26/2011 10:52							
End Job	03/26/2011 10:53							5 BBLS OF CEMENT TO SURFACE
Post-Job Safety Meeting (Pre Rig-Down)	03/26/2011 11:00							ALL PERSONNEL ASSOCIATED WITH JOB ATTENDED.
Rig-Down Equipment	03/26/2011 11:15							
Crew Leave Location	03/26/2011 13:00							THANK YOU FOR CHOOSING HALLIBURTON, JEFF CALDWELL AND CREW.

OXY

CC 697-05-78B Surface

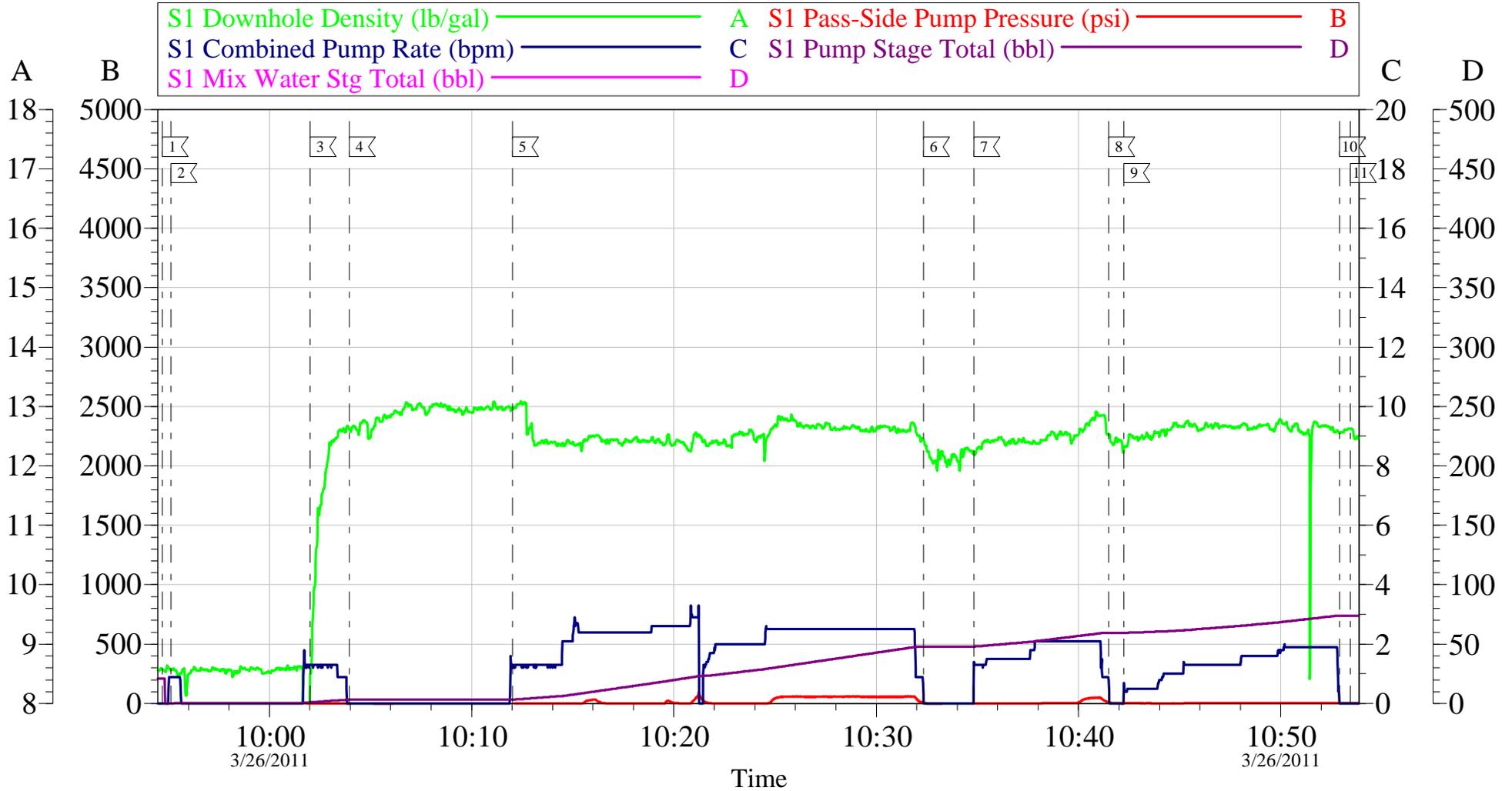


Local Event Log					
1	Start Job	04:17:53	2	Prime Lines	04:19:12
3	Test Lines	04:21:23	4	Pump H2O Spacer	04:25:33
5	Pump LGC Spacer	04:29:03	6	Pump H2O Spacer	04:32:21
7	Pump Lead Cement	04:36:18	8	Pump Tail Cement	05:42:16
9	Shut Down	05:56:43	10	Drop Top Plug	05:58:43
11	Pump Displacement	05:59:48	12	Slow Rate	06:25:27
13	Bump Plug	06:26:19	14	Check Floats	06:32:40
15	Casing Test	06:34:39	16	Release Pressure	07:04:41
17	Pump Down Paracite	07:49:49	18	End Job	07:58:23

Customer: Oxy	Job Date: 26-Mar-2011	Sales Order #: 7841888
Well Description: CC 697-05-78B	Job Type: Surface	ADC Used: Yes
Company Rep: George Coombs	Cement Supervisor: Jeff Caldwell	Elite #: 6/Jesse Slaughter

OXY

TOP OUT CC 697-05-78B



Local Event Log					
1	Start Job	09:54:42	2	Pump H2O Ahead	09:55:08
3	Pump Cement	10:02:01	4	Shut Down	10:03:57
5	Resume Pumping	10:12:01	6	Shut Down	10:32:21
7	Resume Pumping	10:34:50	8	Shut Down	10:41:30
9	Resume Pumping	10:42:15	10	Shut Down	10:52:54
11	End Job	10:53:26			

Customer: Oxy	Job Date: 26-Mar-2011	Sales Order #: 7841888
Well Description: CC 697-05-78B	Job Type: Top Out	ADC Used: Yes
Company Rep: Henry Coombs	Cement Supervisor: Jeff Caldwell	Elite #: 5/Jesse Slaughter