
OXY GRAND JUNCTION EBUSINESS

**CC 697-05-38B
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
13-Nov-2011

Post Job Summary

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344034	Ship To #: 344034	Quote #:	Sales Order #: 8560993
Customer: OXY GRAND JUNCTION EBUSINESS	Customer Rep: Kneese, Jeremy		
Well Name: CC	Well #: 697-05-38B	API/UWI #: 05-045-20365	
Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Lat: N 39.555 deg. OR N 39 deg. 33 min. 16.38 secs.	Long: W 108.242 deg. OR W -109 deg. 45 min. 27.72 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	Srv Supervisor: NICKLE, RYON	MBU ID Emp #: 454759	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	15.5	371353	CARTER, ERIC Earl	15.5	345598	NICKLE, RYON	15.5	454759
ROSE, BENJAMIN Keith	15.5	487022						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867322	160 mile	10872429	160 mile	10897891	160 mile	11259885	160 mile
11360883	160 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/12/2011	15.5	5.5						

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Job Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
		0	2710	BHST	2710. ft	2710. ft				

Job Times

Date	Time	Time Zone
12 - Nov - 2011	11:15	MST
13 - Nov - 2011	06:15	MST
13 - Nov - 2011	13:59	MST
13 - Nov - 2011	19:39	MST
13 - Nov - 2011	21:30	MST

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				14.75					2710.		
SURFACE CASING	Unknown		9.625		36.		J-55		2691.		

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	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625"	1	HES
Stage Tool										Centralizers		13	

Miscellaneous Materials

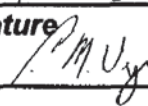
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size		Qty

Fluid Data

Stage/Plug #: 1

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Cementing Job Summary

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		10.00	bbl	8.33	.0	.0	2	
2	Gel Spacer		20.00	bbl	.	.0	.0	4	
3	Water Spacer		10.00	bbl	.	.0	.0	4	
4	Lead Cement	VERSACEM (TM) SYSTEM (452010)	1050.0	sacks	12.3	2.33	12.62	6	12.62
	12.62 Gal	FRESH WATER							
5	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.07	10.67	6	10.67
	10.67 Gal	FRESH WATER							
6	Displacement		201.00	bbl	.	.0	.0	6	
7	Topout Cement	HALCEM (TM) SYSTEM (452986)	69.0	sacks	12.5	1.97	10.96	2	10.96
	10.96 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	201.9	Shut In: Instant		Lost Returns	YES	Cement Slurry	494.6	Pad	
Top Of Cement		5 Min		Cement Returns	4	Actual Displacement	201.9	Treatment	
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	791.6
Rates									
Circulating	6	Mixing		6	Displacement	6	Avg. Job		6
Cement Left In Pipe	Amount	44.3 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature 					

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Cementing Job Log

The Road to Excellence Starts with Safety

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Field: GRAND VALLEY	City (SAP): ADDISON	County/Parish: Garfield	State: Colorado
Legal Description:			
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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: NICKLE, RYON	MBU ID Emp #: 454759	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/12/2011 23:00							
Pre-Convoy Safety Meeting	11/13/2011 02:00							ALL HES PERSONEL
Crew Leave Yard	11/13/2011 02:10							
Arrive At Loc	11/13/2011 06:15							RIG WAS RUNNING CASING, SPOKE WITH CO REPRESENTATIVE AND CHECKED IN WITH SAFETY PERSONEL TO OBTAIN WORK PERMIT, CONFINED SPACE ENTRY PERMIT AND EMPLOYEE DISPOSITION SHEET.
Assessment Of Location Safety Meeting	11/13/2011 06:25							ALL HES PERSONEL
Other	11/13/2011 06:35							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	11/13/2011 07:50							ALL HES PERSONELL
Rig-Up Equipment	11/13/2011 08:00							
Pre-Job Safety Meeting	11/13/2011 08:30							ALL HES PERSONEL, RIG CREW AND THIRD PARTY CONTRACTORS
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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Cementing Job Log

Start Job	11/13/2011 13:59							TP: 2691' TD: 2710' FC: 2646.7' SHOE: 44.3' OH 14.75" CASING: 9.625" 36# MUD: 9.3# YP- PV- **OFFLINE CEMENT JOB
Other	11/13/2011 13:59		2	2			175.0	FILL LINES
Shutdown	11/13/2011 14:00							MANDRILL SEAL INEFFECTIVE, CHANGED O RINGS, RESET PLUG CONTAINER. DOWN APPX 30 MINUTES
Other	11/13/2011 14:28							FILL LINES
Pressure Test	11/13/2011 14:32							ALL LINES HELD PRESSURE, PRESSURED UP TO 3780 HELD 2 MINUTES, PRESSURE FELL TO 3720 OVER 2 MINUTE PERIOD
Pump Spacer 1	11/13/2011 14:37		2	20			206.0	FRESH WATER
Pump Spacer 2	11/13/2011 14:48		4	20			180.0	GEL SPACER, 5 GAL LGC TO 20 BBLS H2O
Pump Spacer 1	11/13/2011 14:53		4	20			190.0	FRESH WATER
Pump Lead Cement	11/13/2011 14:58		6	435.7			250.0	1050 SKS, 12.3 PPG, 2.33 FT3/ SK, 12.62 GAL/SK, BULK HOSES INSPECTED THROUGHOUT, DUE TO CAVITATION PUMP RATE ON CHART WILL SHOW 7.5 BBL / MIN, MIX WATER RATE SHOWED 6 BBLS / MIN.
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

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Cementing Job Log

Pump Tail Cement	11/13/2011 16:37		6	58.98			280.0	160 SKS, 12.8 PPG, 2.07 FT3/ SK, 10.67 GAL/SK, BULK HOSES INSPECTED THROUGHOUT, DUE TO CAVITATION PUMP RATE ON CHARD WILL SHOW 7.5 BBLS / MIN, MIX WATER RATE SHOWED APPX 6.8 BBLS / MIN, COMPANY REP APPROVED RATE.
Shutdown	11/13/2011 16:49							
Drop Top Plug	11/13/2011 16:53							COMPANY REP VERIFIED PLUG LAUNCHED
Pump Displacement	11/13/2011 16:54		6	191.8			689.0	FRESH WATER
Slow Rate	11/13/2011 17:26		2	10			558.0	
Bump Plug	11/13/2011 17:31						1049. 0	PLUG LANDED
Check Floats	11/13/2011 17:36							FLOATS HELD, 1 BBL H2O BACK
Pressure Up	11/13/2011 17:39							CASING TEST; PRESSURE UP CASING TO PSI HOLD FOR 30 MINUTES
Release Casing Pressure	11/13/2011 18:15							
Other	11/13/2011 18:34		2	10			250.0	PUMP THROUGH PARASITE
Shutdown	11/13/2011 18:41							
Safety Huddle	11/13/2011 18:55							SAFETY HUDDLE PRIOR TO RIG UP OF OPEN ENDED LINE FOR TOP OUT CEMENT AND REVIEW OF TOP OUT PUMPING PROCEDURES
Pump Cement	11/13/2011 19:08		2	25			50.0	TOP OUT CEMENT: SKS, 12.5 PPG, 1.97 FT3/ SK, 10.96 GAL/SK, BATCH MIX UNTIL CEMENT TO SURFACE. 4 BLS OF CEMENT TO SURFACE
Shutdown	11/13/2011 19:39							

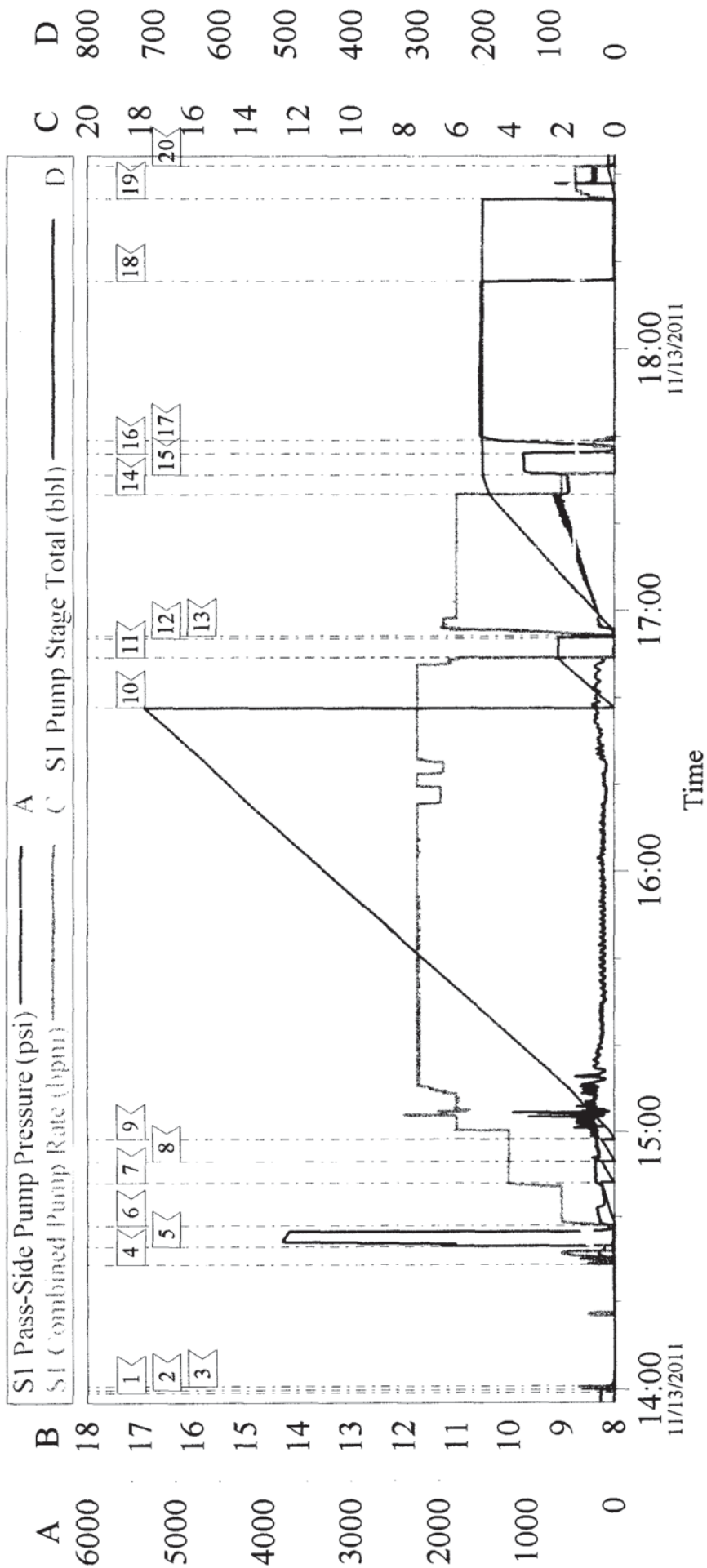
HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
End Job	11/13/2011 19:49							BLOWN DOWN TOP OUT SILO TO 660 TO RETURN TO YARD.
Post-Job Safety Meeting (Pre Rig-Down)	11/13/2011 19:55							ALL HES PERSONEL
Rig-Down Equipment	11/13/2011 20:10							
Depart Location Safety Meeting	11/13/2011 21:20							ALL HES PERSONEL
Crew Leave Location	11/13/2011 21:30							THANK YOU FOR USING HALLIBURTON, RYON NICKLE AND CREW

OXY - CC 697-05-38B

SURFACE



Local Event Log

1	START JOB	13:59:23	2	FILL LINES	13:59:56	3	SHUT DOWN	14:00:46
4	FILL LINES	14:28:44	5	PRESSURE TEST	14:32:57	6	PUMP H2O SPACER	14:37:58
7	PUMP GELL SPACER	14:48:01	8	PUMP H2O SPACER	14:53:13	9	PUMP LEAD CEMENT	14:58:20
10	PUMP TAIL CEMENT	16:37:42	11	SHUT DOWN	16:49:13	12	DROP PLUG	16:53:41
13	PUMP DISPLACEMENT	16:54:16	14	SLOW RATE	17:26:36	15	BUMP PLUG	17:31:14
16	CHECK FLOATS	17:36:01	17	PRESSURE UP CASING	17:39:01	18	RELEASE PRESSURE	18:15:35
19	PUMP THROUGH PARASITE	18:34:22	20	SHUT DOWN	18:41:51			

Customer: OXY GRAND JUNCTION EBUSINESS
 Well Description: CC 697-05-38B
 Company Rep: JEREMY KNEESE

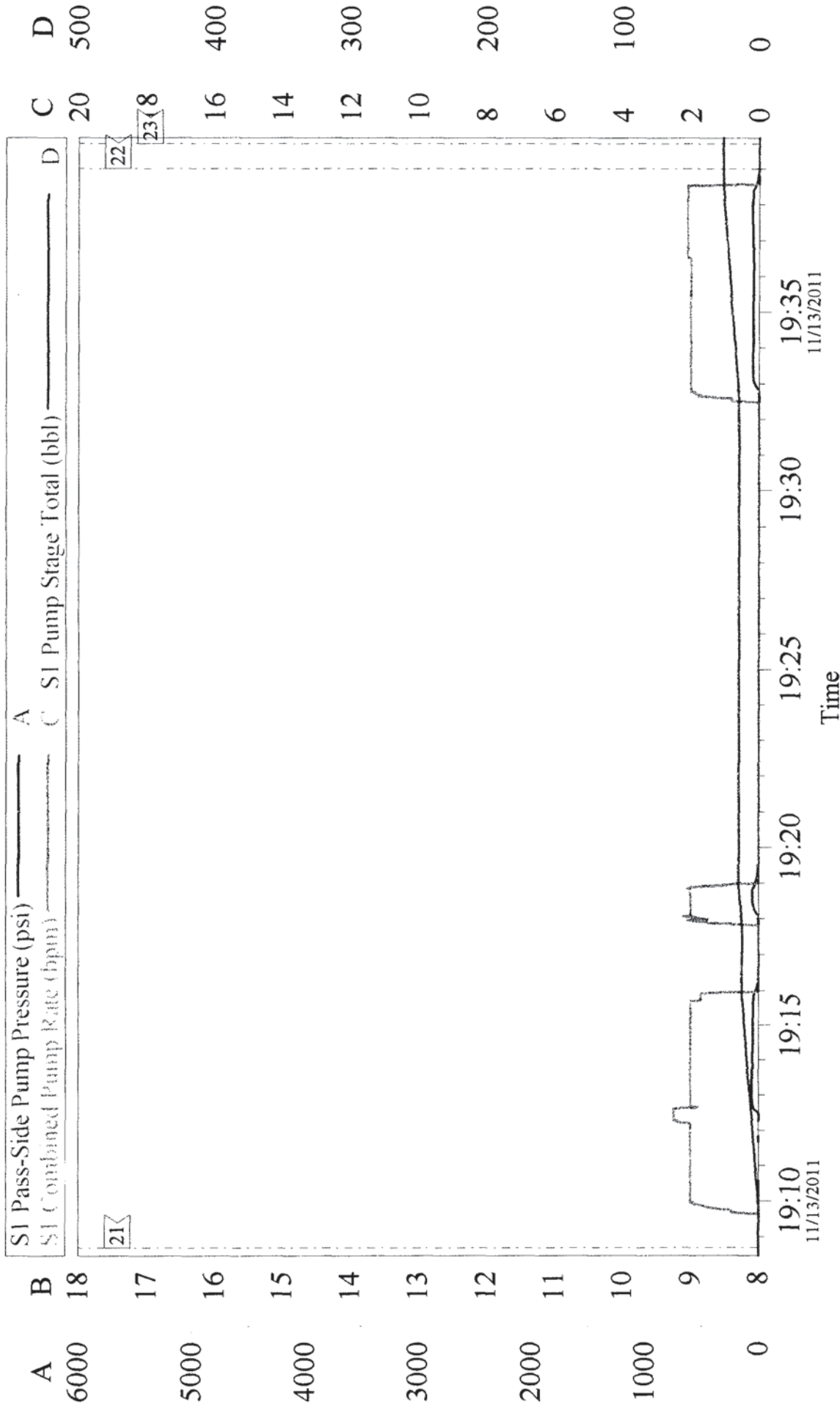
Job Date: 13-Nov-2011
 Job Type: SURFACE
 Cement Supervisor: RYON NICKLE

Sales Order #: 8560993
 ADC Used: YES
 Elite # / Operator: #7 / BEN ROSE

OptiCem v6.4.10
 13-Nov-11 20:10

OXY - CC 697-05-38B

SURFACE



Local Event Log			
21	PUMP TOP OUT CEMENT	19:08:42	22
22	SHUT DOWN	19:39:00	23
23	END JOB	19:39:42	

Customer:	OXY GRAND JUNCTION EBUSINESS	Job Date:	13-Nov-2011	Sales Order #:	8560993
Well Description:	CC 697-05-38B	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	JEREMY KNEESE	Cement Supervisor:	RYON NICKLE	Elite # / Operator:	#7 / BEN ROSE