
KINDER MORGAN INC

**Doe Canyon 11 Doe Canyon 11
DOE CANYON
Dolores County , Colorado**

Cement Intermediate Casing
10-May-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 320986	Ship To #: 2919605	Quote #:	Sales Order #: 9485521
Customer: KINDER MORGAN INC		Customer Rep: KYLE	
Well Name: Doe Canyon 11	Well #: Doe Canyon 11	API/UWI #:	
Field: DOE CANYON	City (SAP): DOVE CREEK	County/Parish: Dolores	State: Colorado
Legal Description: Section 32 Township 37N Range 18W			
Contractor: Nabors		Rig/Platform Name/Num: Nabors 405 AC	
Job Purpose: Cement Intermediate Casing			
Well Type: Producing Well		Job Type: Cement Intermediate Casing	
Sales Person: SNYDER, RANDALL	Srvc Supervisor: KUKUS, CRAIG	MBU ID Emp #: 369124	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ACREE, EDWARD R	16	399000	BRANDT, NICHOLAS Wayne	16	487947	FABREY, KENDALL Edward	16	488836
JOHNSON, RICKEY Allen	16	516411	JONES, DAVID Michael	16	409749	KUKUS, CRAIG A	16	369124
MESTAS, CHAD	16	516495	NYE, KEVEN R	16	460558	RASH, JOHN T	16	505947
RICHESIN, ANTHONY Ray	16	412961						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
	120 mile	10025024	120 mile	10025040	120 mile	10741115	120 mile
10822043	120 mile	10948692	120 mile	11324578	120 mile	11583928	120 mile
11808849	120 mile	54283	120 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5/9/12	9	4	5/10/12	6	6			

TOTAL Total is the sum of each column separately

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	09 - May - 2012	05:00	MST
Form Type		BHST	Job Started	09 - May - 2012	15:00	MST
Job depth MD	8255. m	Job Depth TVD	Job Completed	10 - May - 2012	00:32	MST
Water Depth		Wk Ht Above Floor	Job Completed	10 - May - 2012	05:07	MST
Perforation Depth (MD)	From	To	Departed Loc	10 - May - 2012	06:45	MST

Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
8 3/4" Open Hole				8.75				2388.	8221.		
7" Intermediate Casing	Unknown		7.	6.184	29.		13 Cr	.	5677.	.	5677.
7" Intermediate Casing	Unknown		7.	6.184	29.		13 Cr	7752.	8221.	8051.	8344.
7" Intermediate Casing	Unknown		7.	6.094	32.		13 Cr	5677.	7752.	6488.	8052.
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		K-55	.	2388.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CENTRALIZER-7"-CSG-8-1/2"-HINGED	65	EA		
CLAMP - LIMIT - 7 - HINGED -	1	EA		
KIT,HALL WELD-A	2	EA		
PLUG,CMTG,TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA		

Tools and Accessories													
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	HES
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 BBL	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate BBL/min	Total Mix Fluid m3/tonne		
1	Fresh Water Spacer				10.00	bbl	8.33	.0	.0	4.0			
2	CHEMICAL WASH	CHEMICAL WASH - SBM (21914)			20.00	bbl	8.4	.0	.0	4.0			
3	Fresh Water Spacer				10.00	bbl	8.33	.0	.0	4.0			
4	Lead Cement	HALSEAL (TM) SYSTEM (452987)			2000.0	sacks	13.	1.43	6.63	4	6.77		
0.2 %		VERSASET, 55 LB SK (101376573)											
0.15 %		HALAD-766, 55 LB SACK (101477695)											
1.5 %		CHEM - FOAMER 760, TOTETANK (101664089)											
6.634 Gal		FRESH WATER											
5	Tail Cement	HALCEM (TM) SYSTEM (452986)			300.0	sacks	13.5	1.29	5.73	4	5.73		
0.2 %		VERSASET, 55 LB SK (101376573)											
0.25 %		HALAD-766, 55 LB SACK (101477695)											
5.727 Gal		FRESH WATER											
6	Displacement				378.00	bbl	8.33	.0	.0	10			
7	Top Out Cement	HALCEM (TM) SYSTEM (452986)			100.0	sacks	15.6	1.2	5.26	2.0	5.26		
2 %		CALCIUM CHLORIDE - HI TEST PELLET (100005053)											
5.258 Gal		FRESH WATER											
Calculated Values		Pressures			Volumes								
Displacement	305	Shut In: Instant			Lost Returns		0	Cement Slurry		598	Pad		
Top Of Cement	SURFACE	5 Min			Cement Returns		68	Actual Displacement		301	Treatment		
Frac Gradient		15 Min			Spacers		40	Load and Breakdown			Total Job		943
Rates													
Circulating	RIG	Mixing		4	Displacement		10	Avg. Job		7			
Cement Left In Pipe		Amount	39.16 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 #: 320986	Ship To #: 2919605	Quote #:	Sales Order #: 9485521
Customer: KINDER MORGAN INC		Customer Rep:	
Well Name: Doe Canyon 11	Well #: Doe Canyon 11	API/UWI #:	
Field: DOE CANYON	City (SAP): DOVE CREEK	County/Parish: Dolores	State: Colorado
Legal Description: Section 32 Township 37N Range 18W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Nabors		Rig/Platform Name/Num: Nabors 405 AC	
Job Purpose: Cement Intermediate Casing			Ticket Amount:
Well Type: Producing Well		Job Type: Cement Intermediate Casing	
Sales Person: SNYDER, RANDALL		Srv Supervisor: KUKUS, CRAIG	MBU ID Emp #: 369124

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume m3		Pressure PSI		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/09/2012 05:00							
Depart Yard Safety Meeting	05/09/2012 11:30							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Arrive At Loc	05/09/2012 15:00							ARRIVED ON LOCATION RIG RUNNING CSG
Assessment Of Location Safety Meeting	05/09/2012 15:30							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Circulate Well	05/09/2012 16:00							RIG CIRCULATED WELL 6 BBL MIN APPROX 520 PSI
Pre-Rig Up Safety Meeting	05/09/2012 19:35							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	05/09/2012 20:00							RIG IRON TO STAND PIPE AND N2 IRON / WATER TO THE UP RIGHTS / IRON TO PIT
Pre-Job Safety Meeting	05/10/2012 00:10							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	05/10/2012 00:32							TD 8255 FT TP 8280.93 FT SJ 39.16 FT PIPE 7 IN 26 # AND 32# CR13 OH 8 3/4 IN MUD WT 10.1#
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume m3		Pressure PSI		Comments
				Stage	Total	Tubing	Casing	

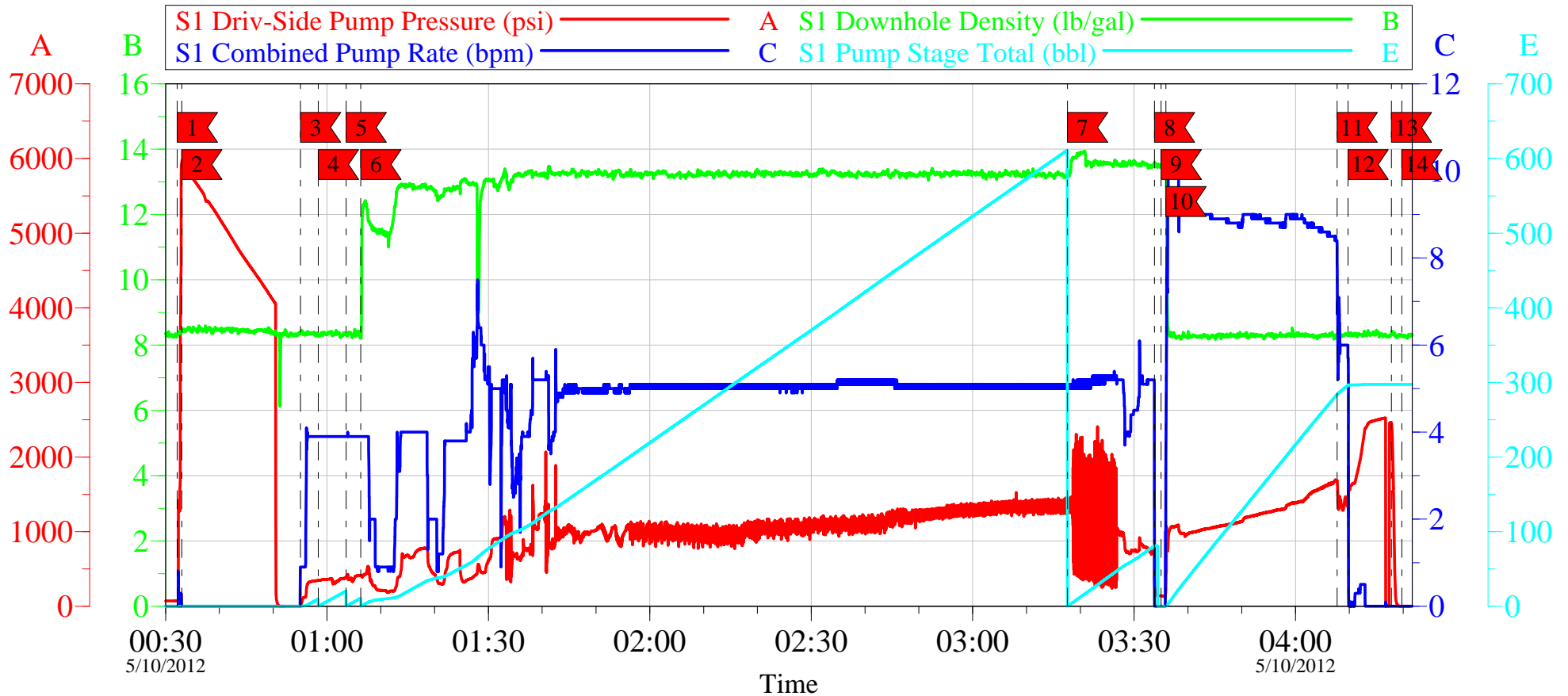
Other	05/10/2012 00:33		2	5			135.0	PRIME LINES WITH FRESH WATER / CHECKED FLOW METER READINGS/ AND CHECKED READINGS FOR THE PUMP TRUCKS
Pressure Test	05/10/2012 00:34		0.5			5000. 0		PRESSURE TEST CMT PUMP GOOD / PRESSURE TEST N2 PUMP TO 7000 PSI
Pump Spacer 1	05/10/2012 00:55		4	10			330.0	FRESH WATER SPACER
Pump Spacer 2	05/10/2012 00:58		4	20			370.0	PUMP CHEM WASH SPACER
Pump Spacer 1	05/10/2012 01:03		4	10			370.0	FRESH WATER SPACER
Pump Lead Cement	05/10/2012 01:06		4	509			1240. 0	PUMP 2000 SKS LEAD CEMENT AT 13.0 PPG 1.43 Y 6.63 GAL/SKS N2 PUMP ON LINE AT
Pump Tail Cement	05/10/2012 03:17		4	69			1200. 0	PUMP 300 SKS TAIL CEMENT AT 13.5 PPG 1.29 Y 5.73 GAL/SKS / N2 PUMP OFF LINE AT
Shutdown	05/10/2012 03:33							SHUT DOWN / SWAP LINES AND WASH PUMP AND LINES
Drop Top Plug	05/10/2012 03:35							PLUG LEFT THE PLUG CONTAINER
Pump Displacement	05/10/2012 03:35		10	305			1616. 0	PUMP FRESH WATER DISPLACEMENT
Slow Rate	05/10/2012 04:07		6	295			1430. 0	SLOW RATE LAST 10 BBLs TO 2 BBL MIN
Bump Plug	05/10/2012 04:09		6	305			2500. 0	PLUG LANDED AT 1821 PSI
Check Floats	05/10/2012 04:17							FLOATS HELD / 2.5 BBLs BACK TO TANKS
Pump Cement	05/10/2012 04:43		2	19			275.0	PUMP CEMENT CAP 100 SKS TOPOUT CEMENT AT 15.6 PPG 1.2 Y 5.26 GAL/SKS
Shutdown	05/10/2012 04:54							
Other	05/10/2012 04:56							CLOSURE VALVE / WASH UP
Clean Lines	05/10/2012 04:56							OPEN VALVE / PUMP 5 BBLs
Shutdown	05/10/2012 05:05							SHUT DOWN / CLOSE VALVE
Activity Description	Date/Time	Cht	Rate m3/ min	Volume m3		Pressure MPa		Comments

Cementing Job Log

		#		Stage	Total	Tubing	Casing	
End Job	05/10/2012 05:07							HES HAD CEMENT PUMP TRUCK ON STAND BY AND N2 PUMP ON STANDY BY
Pre-Rig Down Safety Meeting	05/10/2012 05:15							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	05/10/2012 05:30							CLEAN UPLINES AND LEAVE HEAD ON CSG AND RIG DOWN LINES AND RACK UP
Safety Meeting - Departing Location	05/10/2012 06:30							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Comment	05/10/2012 06:45							THANK YOU FOR USING HALLIBURTON, CRAIG KUKUS AND CREW

Kinder Morgan

Doe Canyon #11 Foam Intermediate



Local Event Log

Intersection	SDPP	Intersection	SDPP	Intersection	SDPP
1 Start Job	00:32:10 71.23	2 Test Lines	00:33:00 5945	3 Pump H2O	00:55:04 -2.027
4 Pump Chem Wash	00:58:24 347.0	5 Pump H2O	01:03:33 388.7	6 Pump Foam Lead	01:06:17 415.1
7 Pump Tail Cement	03:17:37 1417	8 Shutdown	03:33:47 459.3	9 Drop Plug	03:35:01 139.0
10 Pump Displacement	03:35:55 300.1	11 Slow Rate	04:07:43 1687	12 Bump Plug	04:09:46 1456
13 Check Floats	04:17:49 2458	14 End Job	04:19:45 0.000		

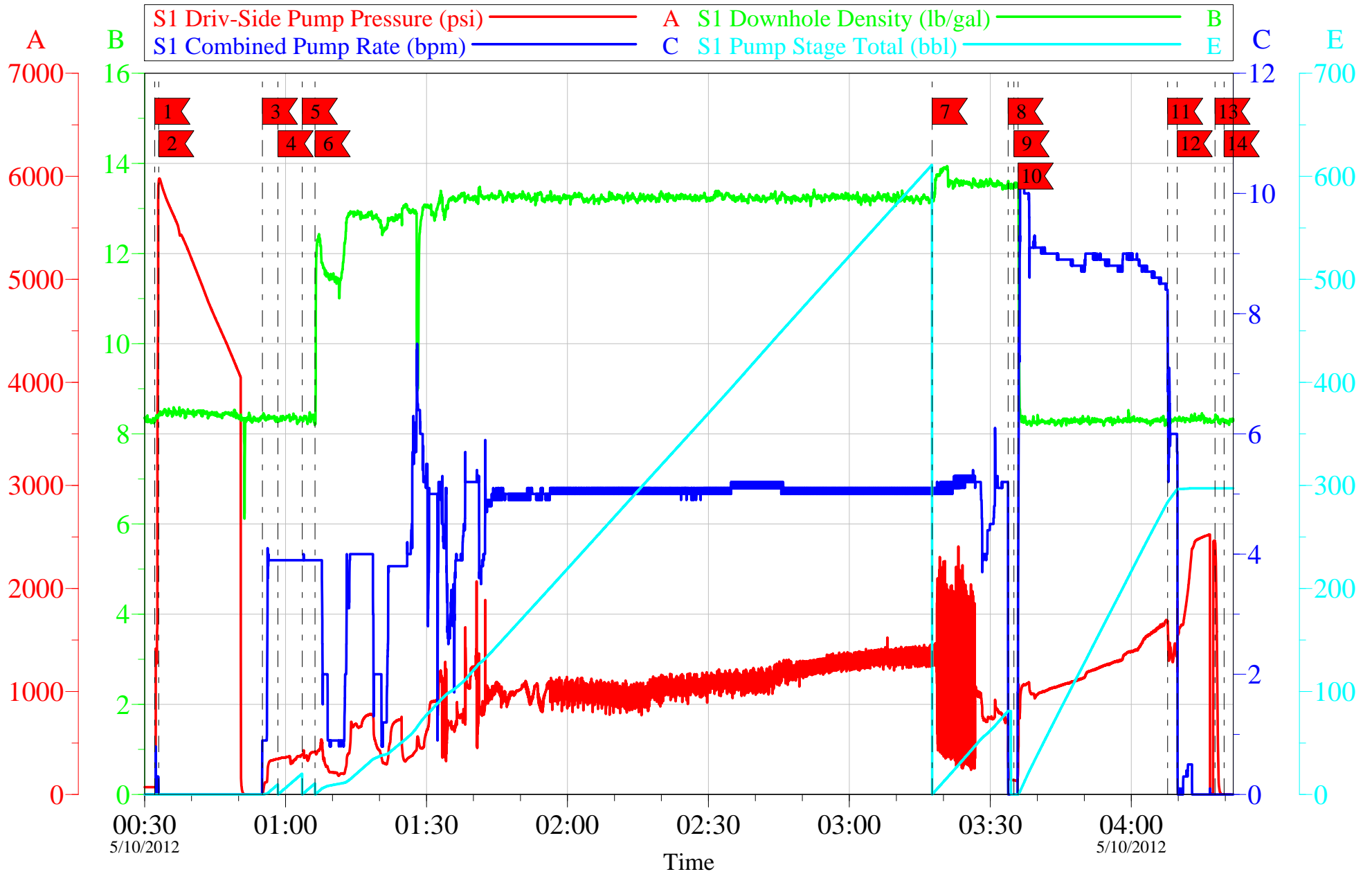
Customer: Kinder Morgan
Well Description: Doe Canyon #11
Customer Rep: Kyle

Job Date: 10-May-2012
Job Type: Foam Intermediate
Service Supervisor: Craig Kukus

Sales Order #: 9485521
ADC Used: YES
Operator: Nick Brandt

OptiCem v6.4.10
10-May-12 05:39

Kinder Morgan Doe Canyon #11 Foam Intermediate

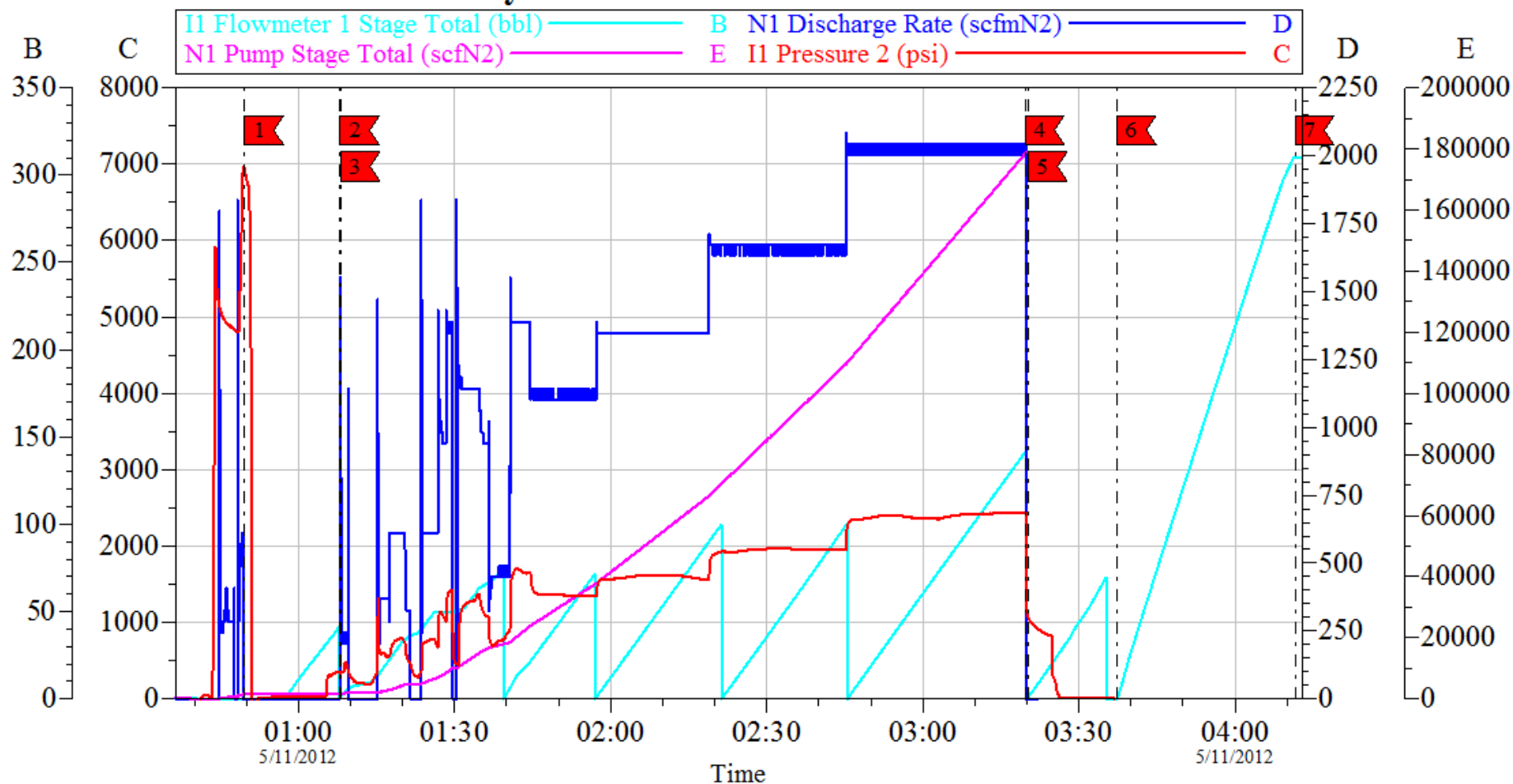


Customer: Kinder Morgan	Job Date: 10-May-2012	Sales Order #: 9485521
Well Description: Doe Canyon #11	Job Type: Foam Intermediate	ADC Used: YES
Customer Rep: Kyle	Service Supervisor: Craig Kukus	Operator: Nick Brandt

OptiCem v6.4.10
10-May-12 05:40

Kinder Morgan

Doe Canyon #11 Foam Intermediate N2 Chart



Local Event Log

1 Pressure Test N2	00:49:37	2 Start N2	01:08:00	3 Pump Foam Lead Cement	01:08:08
4 Shutdown N2	03:19:39	5 Pump Tail Cement	03:20:14	6 Pump Displacement	03:37:18
7 Bump Plug	04:11:31				

Customer: Kinder Morgan
Well Description: Doe Canyon #11
Company Rep: Kyle

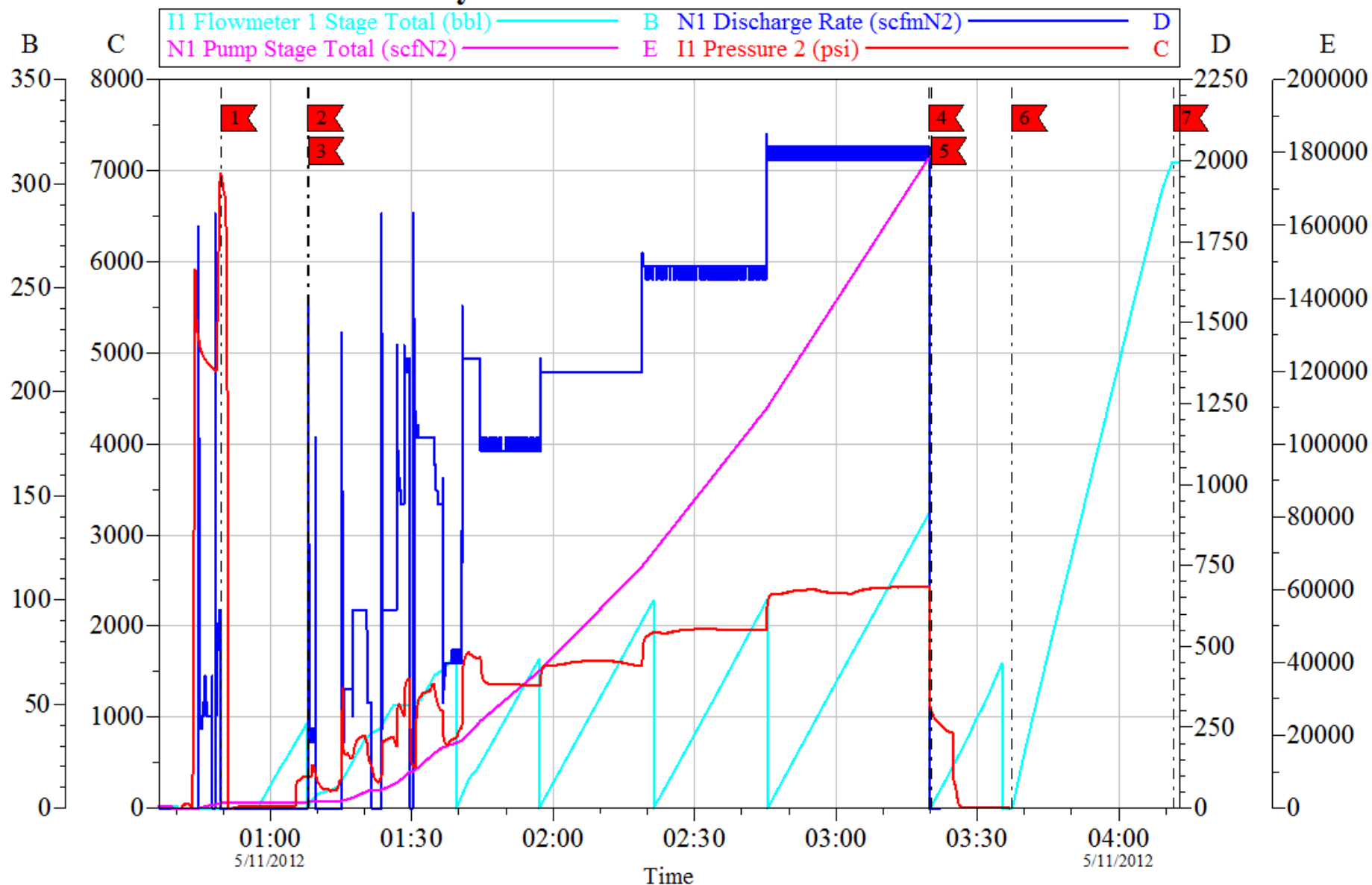
Job Date: 10-May-2012
Job Type: Foam Intermediate
Service Supervisor: Craig Kukus

Sales Order #: 9485521
ADC Used: YES
Operator: Nick Brandt

OptiCem v6.4.9
11-May-12 06:14

Kinder Morgan

Doe Canyon #11 Foam Intermediate N2 Chart



Customer: Kinder Morgan
Well Description: Doe Canyon #11
Company Rep: Kyle

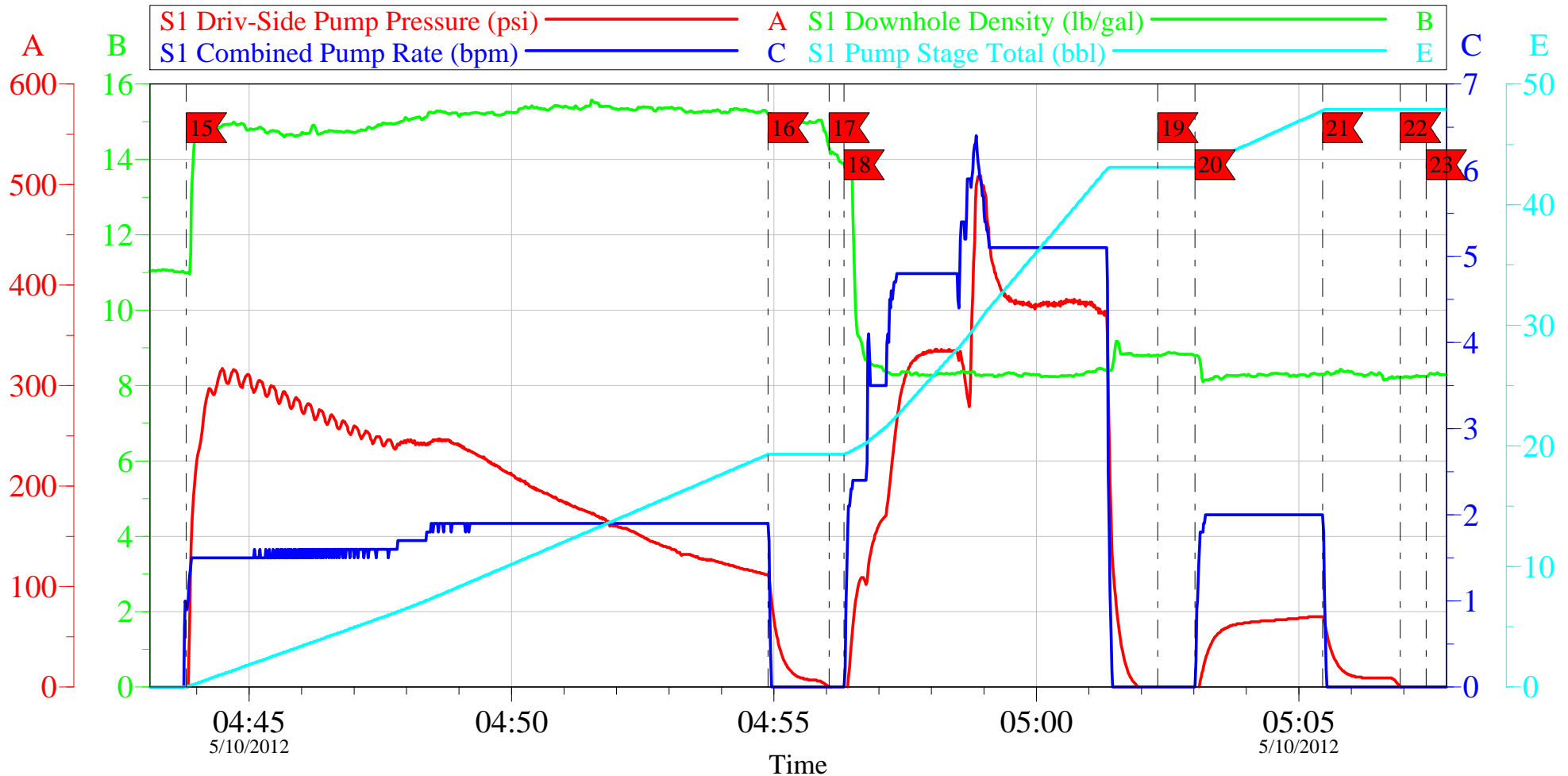
Job Date: 10-May-2012
Job Type: Foam Intermediate
Service Supervisor: Craig Kukus

Sales Order #: 9485521
ADC Used: YES
Operator: Nick Brandt

OptiCem v6.4.9
11-May-12 06:15

Kinder Morgan

Doe Canyon #11 Foam Intermediate



Local Event Log

Intersection	SDPP	Intersection	SDPP	Intersection	SDPP
15 Pump Cap Cement	04:43:48 -3.000	16 Shutdown	04:54:53 111.8	17 Close HCR Valve	04:56:03 0.333
18 Wash up	04:56:20 -3.000	19 Open HCR Valve	05:02:19 -6.000	20 Pump 5 bbl H2O	05:03:01 -6.000
21 Shutdown	05:05:27 69.95	22 Close HCR Valve	05:06:56 0.203	23 End Job	05:07:26 -7.000

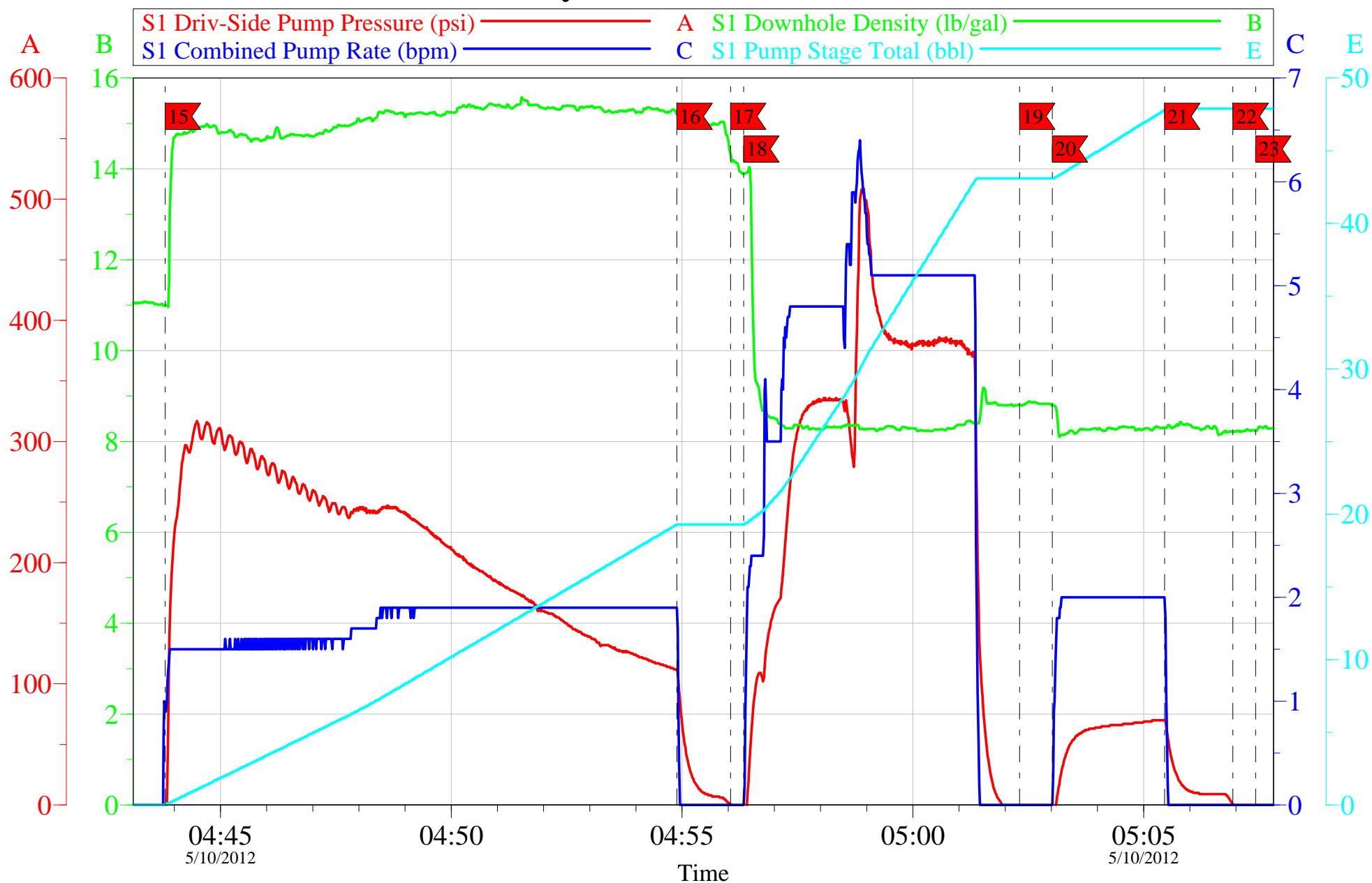
Customer: Kinder Morgan
Well Description: Doe Canyon #11
Customer Rep: Kyle

Job Date: 10-May-2012
Job Type: Foam Intermediate
Service Supervisor: Craig Kukus

Sales Order #: 9485521
ADC Used: YES
Operator: Nick Brandt

OptiCem v6.4.10
10-May-12 05:38

Kinder Morgan Doe Canyon #11 Foam Intermediate



Customer: Kinder Morgan	Job Date: 10-May-2012	Sales Order #: 9485521
Well Description: Doe Canyon #11	Job Type: Foam Intermediate	ADC Used: YES
Customer Rep: Kyle	Service Supervisor: Craig Kukus	Operator: Nick Brandt

OptiCem v6.4.10
10-May-12 05:38

Cementing Rockies, Farmington

Job Information				
Request/Slurry	230174/1	Rig Name		Date 14/APR/2012
Submitted By	Ryan Keeran	Job Type	Foam Job	Bulk Plant Farmington
Customer	Kinder Morgan	Location		Well Doe Canyon #11

Well Information				
Casing/Liner Size	7"	Depth MD	8221 ft	BHST 179 F
Hole Size	8 3/4"	Depth TVD	8221 ft	BHCT 134 F

Drilling Fluid Information		
Mud Supplier Name	Mud Trade Name	Density

Cement Information - Lead Design									
Conc	UOM	Cement/Additive	Sample Type	Sample Date	Lot No.	Cement Properties			
100.00	% BWOC	Cement Blend				Slurry Density	13.00	PPG	
6.89	gal/sack	Fresh Water	Lab	Aug 17, 2011	N/A	Slurry Yield	1.44	ft3/sk	
2.000	% BWOC	Bentonite Wyoming - PB	Chemicals	Apr 08, 2012	2075743	Water Requirement	6.89	GPS	
0.200	% BWOC	VERSASET (PB)	Chemicals	Apr 08, 2012	11-p-.3	Total Mix Fluid	6.89	GPS	
0.150	% BWOC	HALAD-766	Chemicals	Apr 08, 2012	deat126756	Foam Density	9.497	PPG	
1.500	% BVOW	Foamer 760	Lab	Dec 15, 2011	7453824	Foam Quality	26.73	%	
						Water Source		Fresh Water	
						Water Chloride		N/A	ppm

Pilot Test Results Request ID 230174/2																	
FYSA Viscosity Profile & Gel Strength																	
Test Temp (°F)	600	300	200	100	60	30	6	3	3D - 3 rpm Decay	6D - 6 rpm Decay	Gel 10 min FYSA reading (1 rpm)	Gel 30 min FYSA reading (1 rpm)	K1 factor	K2 factor	Foam Quality	PV/YP	FYSA Direct YP
80	32	14	10	8	8	7	8	8	6	5	20	27	0.306	0.634	27	81.4 / 7.2	7.3

Slurry showed free fluid after 1.5 hours. Calculated foam quality at 27%.

FYSA Viscosity Profile & Gel Strength																	
Test Temp (°F)	300	200	100	60	30	6	3	3D - 3 rpm Decay	6D - 6 rpm Decay	Cond. time	Gel 10 min FYSA reading (1 rpm)	Gel 30 min FYSA reading (1 rpm)	K1 factor	K2 factor	Foam Quality	PV/YP	FYSA Direct YP
80	14	13	11	10	10	10	11	8	7	0	36	48	0.306	0.634	22	27.8 / 13.1	10.2

Pilot Test Results Request ID 230174/1											
Thickening Time											
Temp (°F)	Pressure (psi)	Reached in (min)	Start BC	30 Bc (hh:mm)	40 Bc (hh:mm)	50 Bc (hh:mm)	70 Bc (hh:mm)	100 Bc (hh:mm)	Termination Time	Termination BC	
134	5,050	42	0	03:25	03:46	04:34	06:31	07:48	07:48	62	

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Mixability (0 - 5) - 0 is not mixable

Mixability rating (0 - 5)

5

Avg rpm mixing under load

12,000

Foam Mix and Stability

Sink [mm]	Time to Foam [Sec]	Average Mix Speed [rpm]	Foam Density [SG]	Conditioning time (hrs:min)
1	10	12,000	1.15	00:00

No settling in the cylinder. No free fluid. 287.43grams / 250 mL. Calculated foam quality 26.19%.

API Rheology

Temp (°F)	300	200	100	60	30	6	3	Cond Time (min)	PV/YP
107	23	18	14	12	10	8	6	20	15.5 / 8.4

10 minute gel 16.2 , 10 second gel 9.6.

API Rheology

Temp (°F)	300	200	100	60	30	6	3	Cond Time (min)	PV/YP
80	29	25	20	18	18	16	14	0	14 / 16.4

10 minute gel 44 , 10 second gel 23.7

API Rheology

Temp (°F)	300	200	100	60	30	6	3	Cond Time (min)	PV/YP
134	18	14	10	8	8	5	6	20	12.6 / 6.2

10 minute gel 12.5 , 10 second gel 7.4.

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Cementing Rockies, Farmington

Job Information

Request/Slurry	230175/1	Rig Name		Date	14/APR/2012
Submitted By	Ryan Keeran	Job Type	Foam Job	Bulk Plant	Farmington
Customer	Kinder Morgan	Location		Well	Doe Canyon #11

Well Information

Casing/Liner Size	7"	Depth MD	8221 ft	BHST	179 F
Hole Size	8 3/4"	Depth TVD	8221 ft	BHCT	134 F

Drilling Fluid Information

Mud Supplier Name	Mud Trade Name	Density
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Cement Information - Tail Design

Conc	UOM	Cement/Additive	Sample Type	Sample Date	Lot No.	Cement Properties		
100.00	% BWOC	Cement Blend				Slurry Density	13.50	PPG
1.000	% BWOC	Bentonite Wyoming - PB	Chemicals	Apr 08, 2012	2075743	Slurry Yield	1.29	ft3/sk
0.200	% BWOC	VERSASET (PB)	Chemicals	Apr 08, 2012	11-p-.3	Water Requirement	5.79	GPS
0.250	% BWOC	HALAD-766	Chemicals	Apr 08, 2012	deat126756	Total Mix Fluid	5.79	GPS
5.79	gal/sack	Fresh Water	Lab	Aug 17, 2011	N/A	Water Source	Fresh Water	
						Water Chloride	N/A	ppm

Pilot Test Results Request ID 230175/1

UCA Comp. Strength

End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	8 hr CS (psi)	12 hr CS (psi)	16 hr CS (psi)	24 hr CS (psi)	48 hr CS (psi)	End CS (psi)	End Time (hrs)
179	3,000	12:12	40:42	0	45	121	280	563	736	72

Thickening Time

Temp (°F)	Pressure (psi)	Reached in (min)	Start BC	30 Bc (hh:mm)	40 Bc (hh:mm)	50 Bc (hh:mm)	70 Bc (hh:mm)	100 Bc (hh:mm)	Termination Time	Termination BC
134	5,050	42	9	08:37	09:39	10:12	10:55	12:41	12:41	57

Mixability (0 - 5) - 0 is not mixable

Mixability rating (0 - 5)	Avg rpm mixing under load
5	12,000

Free Water

Test Temp (°F)	% FW Vert	% FW 45 Inc	Conditioning time
134	2	7.6	20

Moderate channeling in the 45 degree test.

API Sedimentation Test

Test Temp (°F)	Result Type	1	2	3	4	5	Avg. SG	St.Dev.
80	SG	1.56	N/A	1.6	N/A	1.62	1.6	0.03
	Dev.(%)	-2.1	N/A	0.3	N/A	1.8		

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API Rheology

Temp (°F)	300	200	100	60	30	6	3	Cond Time (min)	PV/YP
107	29	22	14	10	8	6	6	20	23 / 6.4

10 minute gel 14.4 , 10 second gel 7.7.

API Rheology

Temp (°F)	300	200	100	60	30	6	3	Cond Time (min)	PV/YP
80	36	28	20	16	14	12	11	0	24.7 / 12.2

10 minute gel 28.0 , 10 second gel 12.9.

API Rheology

Temp (°F)	300	200	100	60	30	6	3	Cond Time (min)	PV/YP
134	27	20	14	11	8	6	5	20	21.4 / 6.2

10 minute gel 7.4 , 10 second gel 6.1.

API Fluid Loss

Test Temp (°F)	Test Pressure (psi)	Test Time (min)	Meas. Vol.	Calc. ISO FL (<30 min)	Conditioning time (min)
134	1,000	30	51	944	20

Tests blew out 51 mL in 21 seconds.

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Sales Order #: 9485521	Line Item: 10	Survey Conducted Date: 5/10/2012
Customer: KINDER MORGAN INC		Job Type (BOM): CMT INTERMEDIATE CASING BOM
Customer Representative: KYLE		API / UWI: (leave blank if unknown) AFEYKDCF55JYRHHWAAA
Well Name: Doe Canyon 11		Well Number: Doe Canyon 11
Well Type: Producing Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Dolores

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	5/10/2012
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CRAIG KUKUS (HX19742)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	KYLE
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

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Well Type: Producing Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Dolores

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	5/10/2012

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	10
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	5
Customer Non-Productive Rig Time (hrs) 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.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	6
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: Doe Canyon 11		Well Number: Doe Canyon 11
Well Type: Producing Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Dolores

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	97
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	97
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