
KINDER MORGAN INC

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

Cement Surface Casing
19-Apr-2012

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 320986	Ship To #: 2919605	Quote #:	Sales Order #: 9414841
Customer: KINDER MORGAN INC	Customer Rep: KENNY		
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 Surface Casing			
Well Type: Producing Well	Job Type: Cement Surface Casing		
Sales Person: SNYDER, RANDALL	Srv 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 #
AYERS, JACOB Cedric	31	487729	BRANDT, NICHOLAS Wayne	35.5	487947	JOHNSON, RICKEY Allen	35.5	516411
KUKUS, CRAIG A	35.5	369124						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10011433C	120 mile	10025031	120 mile	10025081	120 mile	10025104	120 mile
10296152C	120 mile	10804563	120 mile	10897805	120 mile	11338239	120 mile
11583928	120 mile	11808849	120 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4/18/12	12.5	3	4/19/12	23	5			
TOTAL			Total is the sum of each column separately					

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	2517. m	2517. m	6. m			

Job Times

Called Out	Date	Time	Time Zone
On Location	18 - Apr - 2012	06:30	MST
Job Started	18 - Apr - 2012	11:30	MST
Job Completed	18 - Apr - 2012	21:30	MST
Job Completed	19 - Apr - 2012	22:04	MST
Departed Loc	19 - Apr - 2012	23:30	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
12 1/4" Open Hole	Used			12.25				.	2438.		
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
CLR,FLT,9-5/8 8RD 29.3-40PPF,2-3/4	2	EA		
SHOE,FLT,9-5/8 8RD,2-3/4 SUPER SEAL	2	EA		
CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	20	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
KIT,HALL WELD-A	4	EA		
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
SUGAR, GRANULATED, IMPERIAL	200	LB		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					Plug Container	9 5/8	1	HES

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 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)			0.00	bbl	8.4	.0	.0				
3	Fresh Water Spacer				0.00	bbl	8.33	.0	.0				
4	SUPER FLUSH 101	SUPER FLUSH 101 - SBM (12199)			20.00	bbl	10.	.0	.0	4			
5	Fresh water				10.00	bbl	.	.0	.0	4			
6	Lead Cement	HALCEM (TM) SYSTEM (452986)			1000.0	sacks	12.4	1.9	9.68	6	9.68		
		HALAD(R)-9, 50 LB (100001617)											
		POLY-E-FLAKE (101216940)											
		KOL-SEAL, BULK (100064233)											
		FRESH WATER											
7	Tail Cement	HALCEM (TM) SYSTEM (452986)			285.0	sacks	15.4	1.23	5.15	6	5.15		
		HALAD(R)-9, 50 LB (100001617)											
		POLY-E-FLAKE (101216940)											
		KOL-SEAL, BULK (100064233)											
		FRESH WATER											
8	Displacement				191.00	bbl	8.33	.0	.0	6			
Calculated Values		Pressures			Volumes								
Displacement	191	Shut In: Instant			Lost Returns	0	Cement Slurry		403	TOP OUT	25		
Top Of Cement	SURFACE	5 Min			Cement Returns	90	Actual Displacement		192	Treatment			
Frac Gradient		15 Min			Spacers	40	Load and Breakdown			Total Job	659		
Rates													
Circulating	RIG	Mixing		6	Displacement	6	Avg. Job		6				
Cement Left In Pipe	Amount	43.61 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

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Customer: KINDER MORGAN INC		Customer Rep: KENNY	
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 Surface Casing			Ticket Amount:
Well Type: Producing Well		Job Type: Cement Surface 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	04/18/2012 06:30							PREVS DAYS ON LOCATION TIMES: 4/14/12 ARRIVED AT 13:00 ON LOCATION AND RELEASED AT 4/15/12 07:00 EQUIP STAYED AT LOC
Depart Yard Safety Meeting	04/18/2012 08:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Arrive At Loc	04/18/2012 11:30							RIG GETTING READY TO RUN CSG
Assessment Of Location Safety Meeting	04/18/2012 11:38							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Pre-Rig Up Safety Meeting	04/18/2012 17:45							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Circulate Well	04/18/2012 17:45							RIG
Rig-Up Equipment	04/18/2012 18:00							RIG UP IRON TO STAND PIPE AND IRON TO PIT / RIG UP FLOOR AND BULK AND WATER LINES
Pre-Job Safety Meeting	04/18/2012 21:00							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	04/18/2012 21:31							TD 2517 FT TP 2507.88 FT S JT 43.61 FT PIPE 9 5/8 IN 36# OH 12 1/4 IN MUD WT 8.4

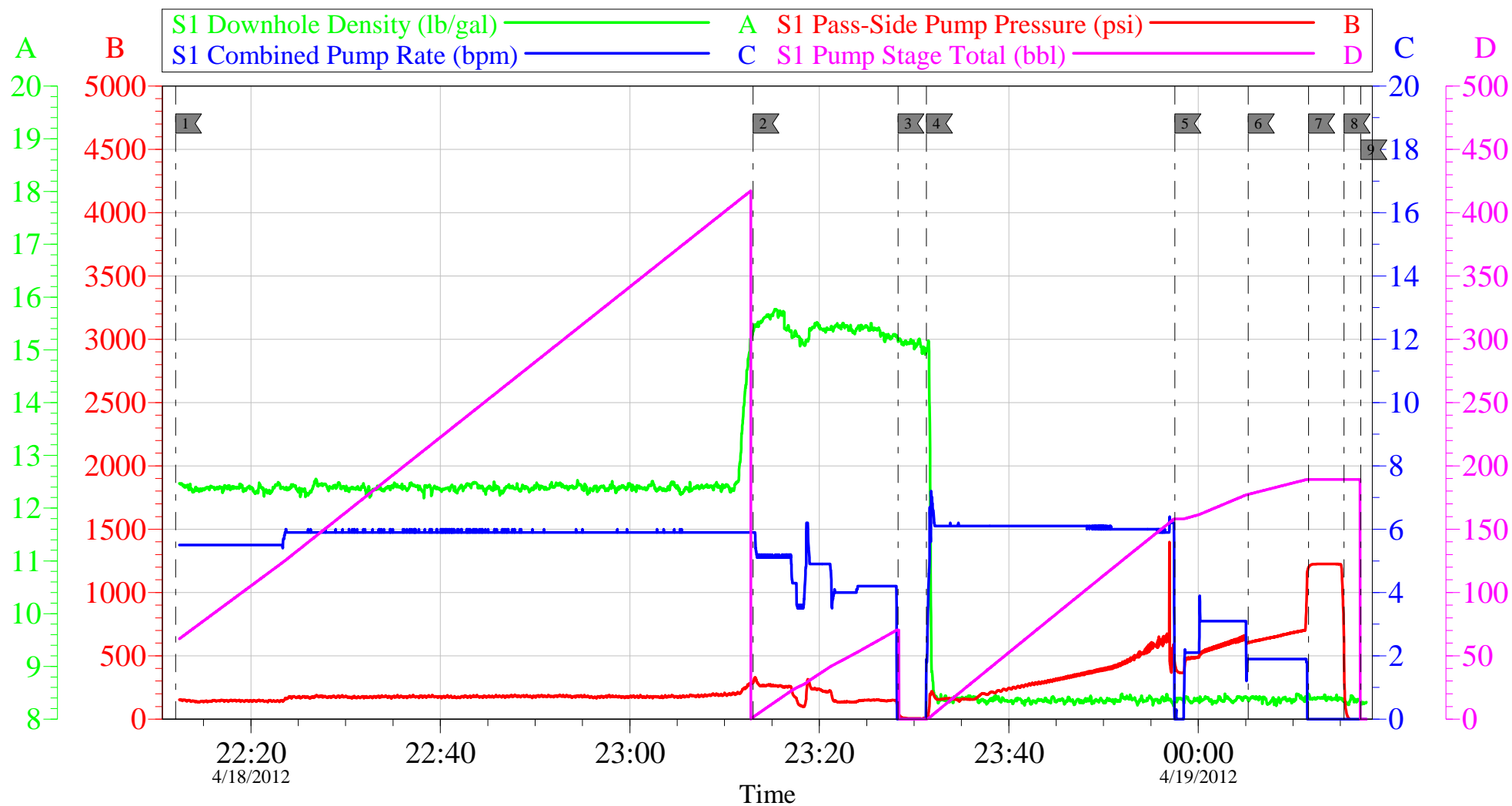
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume m3		Pressure PSI		Comments
				Stage	Total	Tubing	Casing	
Other	04/18/2012 21:32		1.5	2			60.0	FILL LINES
Pressure Test	04/18/2012 21:34		0.5			4200.0		PRESSURE TEST GOOD
Pump Spacer 1	04/18/2012 21:40		3	10			315.0	FRESH WATER SPACER
Pump Spacer 1	04/18/2012 21:44		3	20			315.0	PUMP SUPERFLUSH 10# WT
Pump Spacer 1	04/18/2012 21:55		4	10			130.0	PUMP FRESH WATER SPACER
Pump Lead Cement	04/18/2012 22:00		6	340			220.0	PUMP 1000 SKS LEAD CEMENT AT 12.4 PPG 1.91 Y 9.87 GAL/SKS
Pump Tail Cement	04/18/2012 23:12		6	62.4			283.0	PUMP 285 SKS TAIL CEMENT AT 15.4 PPG 1.23 Y 5.15 GAL/SKS
Shutdown	04/18/2012 23:28							SHUT DOWN / DROP PLUG
Drop Top Plug	04/18/2012 23:29							PLUG LEFT THE PLUG CONTAINER
Pump Displacement	04/18/2012 23:31		6	190.5			680.0	PUMP H2O DISPLACEMENT
Slow Rate	04/19/2012 00:05		2	170			620.0	SLOW RATE
Bump Plug	04/19/2012 00:11		2	191			1240.0	PLUG LANDED AT 720 PSI
Check Floats	04/19/2012 00:15							FLOATS HELD / GOT 1 BBL BACK TO TANKS / HAD GOOD RETURNS THRU OUT THE JOB / GOT CEMENT BACK TO SURFACE AT 100 BBLS DISPLACEMENT GONE / LAST 20 BBLS HEAVY CEMENT
Pre-Rig Down Safety Meeting	04/19/2012 00:17							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	04/19/2012 00:25							RIG FLOOR DOWN / LAY DOWN STAND PIPE AND BAILS WASH UP EQUIPMENT / WOC / AND RIG TO GET READY FOR TOP OUT
Start Job	04/19/2012 21:36							TD FOR TOP OUT APPROX 200 FT

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume m3		Pressure PSI		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	04/19/2012 21:37		1.5	0.5			145.0	PUMP H2O AHEAD
Pump Cement	04/19/2012 21:38		2	25			170.0	PUMP 113 SKS TOP OUT CEMENT AT 15.4 PPG 1.25 Y 5.15 GAL/SKS
Shutdown	04/19/2012 22:01							CEMENT TO SURFACE APPROX 7 BBLS
Pre-Rig Down Safety Meeting	04/19/2012 22:09							ALL HES PRESENT
Rig-Down Equipment	04/19/2012 22:20							RIG DOWN IRON ./ RACK UP
Safety Meeting - Departing Location	04/19/2012 23:20							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Comment	04/19/2012 23:30							THANK YOU FOR USING HALLIBURTON CEMENT SERVICES, CRAIG KUKUS AND CREW

KINDER MORGAN DOE CANYON #11

SURFACE 9 5/8 NABORS 405



Local Event Log

1 PUMP LEAD CEMENT	4/18/2012 22:12:03	2 PUMP TAIL CEMENT	4/18/2012 23:12:59	3 SHUT DOWN/DROP PLUG	4/18/2012 23:28:19
4 PUMP H2O DISPLACEMENT	4/18/2012 23:31:18	5 SLOW RATE	4/18/2012 23:57:32	6 SLOW RATE	4/19/2012 00:05:16
7 BUMP PLUG	4/19/2012 00:11:39	8 CHECK FLOATS	4/19/2012 00:15:24	9 END JOB	4/19/2012 00:17:09

Customer: **KINDER MORGAN**
 Well Description: **DOE CANYON #11**
 Company Rep: **CRAIG HOPE**

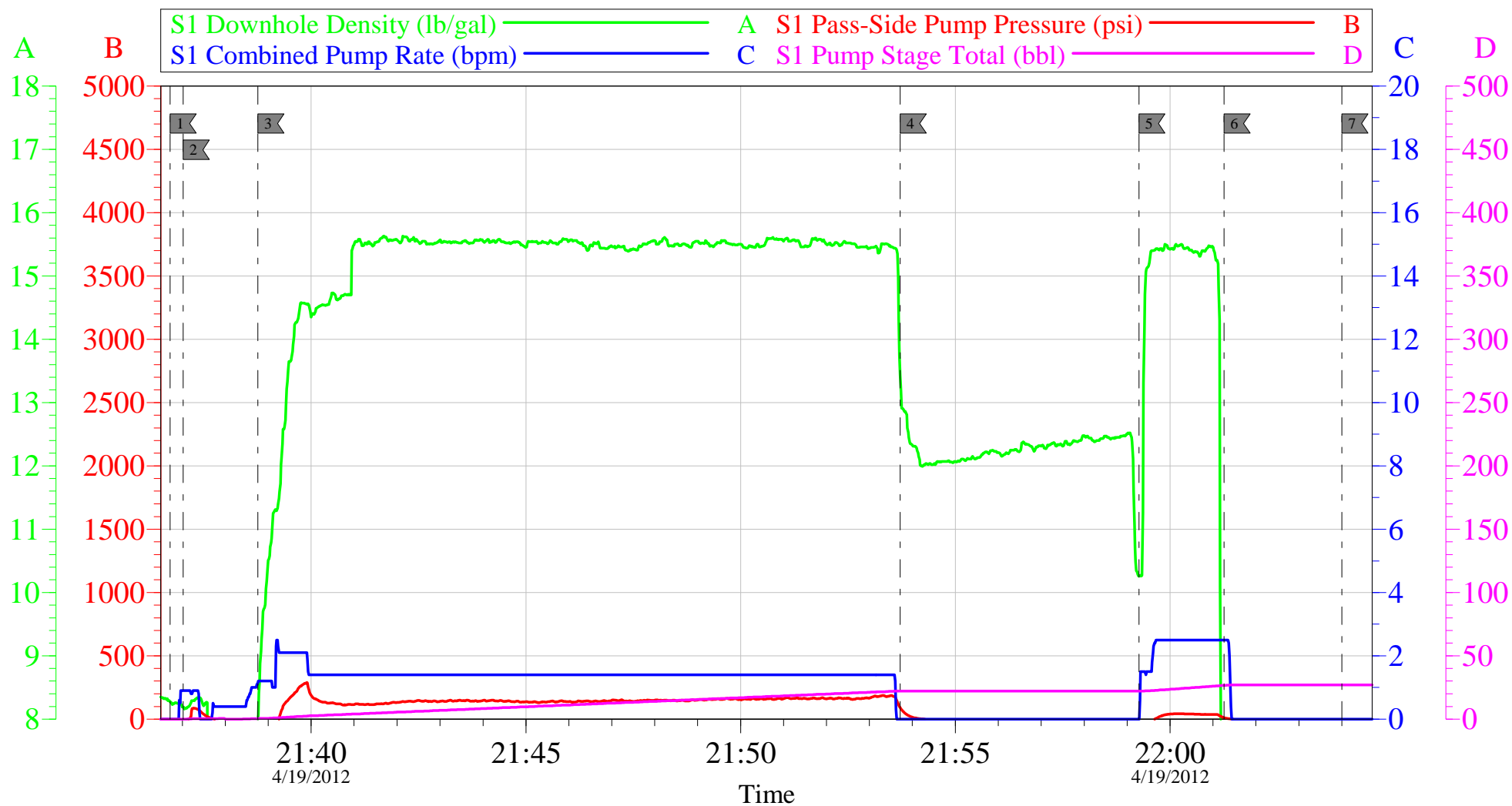
Job Date: **18-Apr-2012**
 Job Type: **SURFACE**
 Cement Supervisor: **CRAIG KUKUS**

Sales Order #: **9414841**
 ADC Used: **YES**
 Elite #/Operator: **E 9 NICK BRANDT**

OptiCem v6.4.8
 19-Apr-12 00:39

KINDER MORGAN DOE CANYON #11

TOP OUT JOB NABORS 405



Local Event Log

1 START JOB	21:36:43	2 PUMP H2O AHEAD	21:37:01	3 PUMP TOP OUT CEMENT	21:38:46
4 SHUT DOWN / HESITATE	21:53:43	5 PUMP CEMENT	21:59:16	6 SHUT DOWN	22:01:15
7 END JOB	22:04:00				

Customer: **KINDER MORGAN**
 Well Description: **DOE CANYON #11**
 Company Rep: **CRAIG HOPE**

Job Date: **19-Apr-2012**
 Job Type: **TOP OUT**
 Cement Supervisor: **CRAIG KUKUS**

Sales Order #: **9414841**
 ADC Used: **YES**
 Elite #/Operator: **E 9 NICK BRANDT**

OptiCem v6.4.8
 19-Apr-12 22:19

Sales Order #: 9414841	Line Item: 10	Survey Conducted Date: 4/19/2012
Customer: KINDER MORGAN INC		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: KENNY		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	4/19/2012
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	KENNY
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	

CUSTOMER SIGNATURE

Sales Order #: 9414841	Line Item: 10	Survey Conducted Date: 4/19/2012
Customer: KINDER MORGAN INC		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: KENNY		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

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	4/19/2012
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)	8
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)	4
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	6
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

Sales Order #: 9414841	Line Item: 10	Survey Conducted Date: 4/19/2012
Customer: KINDER MORGAN INC		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: KENNY		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

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