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**ENTEK GRB LLC**

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**Roubidoux 13-15T  
SLATER DOME  
Moffat County, Colorado**

**Plug Back**  
**09-May-2011**

**Post Job Report**

## The Road to Excellence Starts with Safety

Sold To #: 361955	Ship To #: 2852026	Quote #:	Sales Order #: 8159537
Customer: ENTEK GRB LLC		Customer Rep: Workover, .	
Well Name: Roubidoux		Well #: 13-15T	API/UWI #: 05-081-07457
Field: SLATER DOME	City (SAP): CRAIG	County/Parish: Moffat	State: Colorado
Legal Description: Section 13 Township 12N Range 89W			
Contractor:		Rig/Platform Name/Num: Workover	
Job Purpose: Plug Back			
Well Type: Development Well		Job Type: Plug Back	
Sales Person: COLLINS, JAMES	Srvc Supervisor: MADSEN, DUSTIN		MBU ID Emp #: 450621

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CROITZ, JONATHAN Hollis	8.5	379787	DAWDY, BRETT Dee	8.5	394594	fox, craig	8.5	495176
LEATHAM, BROOK E	8.5	470713	MADSEN, DUSTIN J	8.5	450621	MAEDCHE, JAMES R	8.5	391220
SPINDLER, DAVID Joseph	8.5	481522						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5/9/2011	8.5	5						

TOTAL	Total is the sum of each column separately							
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## Job

Formation Name						Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	09 - May - 2011	02:00	MST
Form Type			BHST		On Location	09 - May - 2011	06:30	MST
Job depth MD	6070. ft		Job Depth TVD	6070. ft	Job Started	09 - May - 2011	11:29	MST
Water Depth			Wk Ht Above Floor		Job Completed	09 - May - 2011	17:13	MST
Perforation Depth (MD)	From		To		Departed Loc	09 - May - 2011	18:00	MST

## Well Data

Description	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Cement Plug							3520.	3620.		
Cement Plug							5770.	6070.		
7" Intermediate Casing		7.	6.366	23.		J-55	.	6122.		
2 3/8" Tubing		2.375	1.995	4.6			.	3390.		

Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
MICRO MATRIX RETARDER	2	GAL		

## Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug	7	2	Hes	6070/36 20	Bottom Plug			
Float Collar					Retainer					SSR plug set			
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 uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Fresh Water			bbl	8.34	.0	.0	4		
2	Mountain G	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	60.0	sacks	15.8	1.15	4.97	3	4.97	
94 lbm		CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
0.2 %		HR-5, 50 LB SK (100005050)								
4.97 Gal		FRESH WATER								
3	Displacement			bbl	8.34	.0	.0	3		
Stage/Plug #: 2										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom	
1	Fresh Water			bbl	8.34	.0	.0	4		
2	Mountain G	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	20.0	sacks	15.8	1.15	4.97	3	4.97	
94 lbm		CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
0.1 %		HR-5, 50 LB SK (100005050)								
4.97 Gal		FRESH WATER								
3	Displacement		53.00	bbl	8.34	.0	.0	3		
Calculated Values		Pressures		Volumes						
Displacement		Shut In: Instant		Lost Returns		Cement Slurry	16.2	Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement	53	Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	322.2	
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe	Amount	0 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*

<b>Sold To #:</b> 361955	<b>Ship To #:</b> 2852026	<b>Quote #:</b>	<b>Sales Order #:</b> 8159537
<b>Customer:</b> ENTEK GRB LLC		<b>Customer Rep:</b> Workover, .	
<b>Well Name:</b> Roubidoux	<b>Well #:</b> 13-15T	<b>API/UWI #:</b> 05-081-07457	
<b>Field:</b> SLATER DOME	<b>City (SAP):</b> CRAIG	<b>County/Parish:</b> Moffat	<b>State:</b> Colorado
<b>Legal Description:</b> Section 13 Township 12N Range 89W			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b>		<b>Rig/Platform Name/Num:</b> Workover	
<b>Job Purpose:</b> Plug Back			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Plug Back	
<b>Sales Person:</b> COLLINS, JAMES		<b>Srvc Supervisor:</b> MADSEN, DUSTIN	<b>MBU ID Emp #:</b> 450621

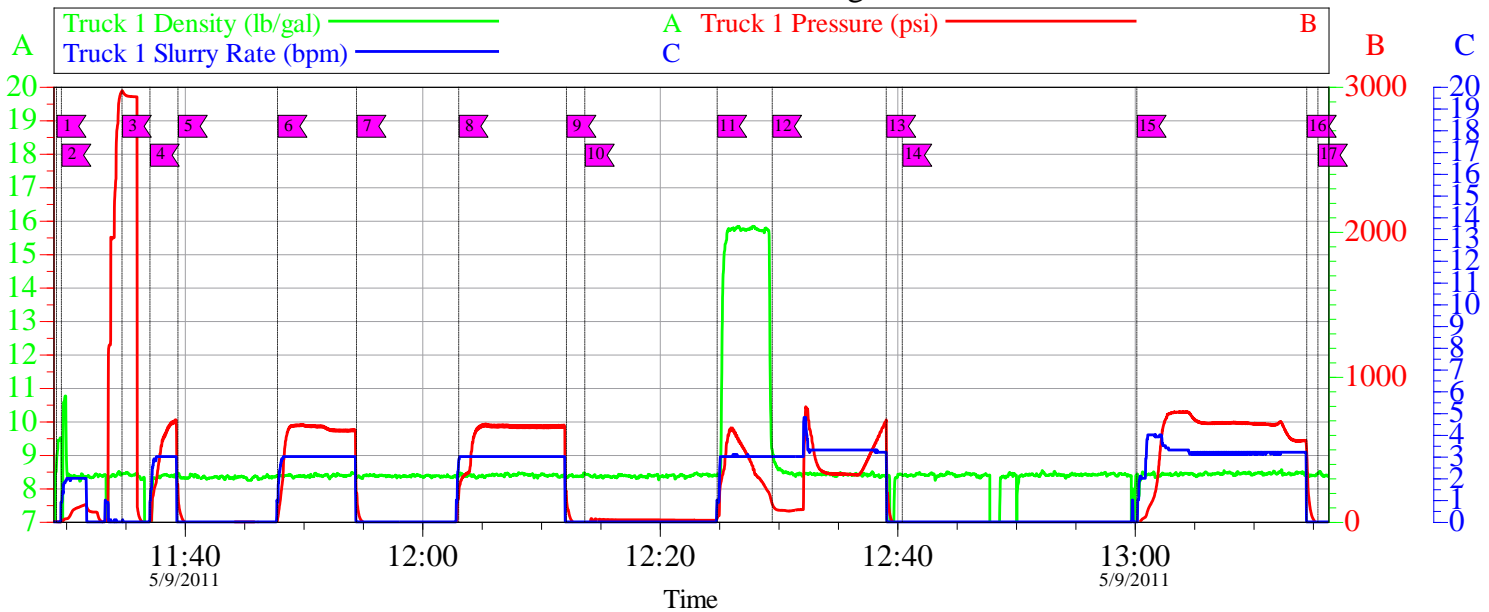
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/09/2011 02:00							
Pre-Convoy Safety Meeting	05/09/2011 03:30							
Crew Leave Yard	05/09/2011 03:45							
Arrive at Location from Service Center	05/09/2011 06:30							
Assessment Of Location Safety Meeting	05/09/2011 06:40							
Pre-Rig Up Safety Meeting	05/09/2011 06:50							
Rig-Up Equipment	05/09/2011 07:00							Spot equipment, rig up ground, calculate 1st plug
Wait on Customer or Customer Sub-Contractor Equip	05/09/2011 08:00							Wait on customer to pull tubing, and set bridge plug to depth
Start Job	05/09/2011 11:29	1						
Pump Water	05/09/2011 11:29	2	3	5	5		126.0	Pump water ahead to prime lines
Pressure Test	05/09/2011 11:34	3					2969.0	Pressure test lines to 3000 psi
Pump Water	05/09/2011 11:37	4	3	13	18		694.0	Pump water to break circulation
Shutdown	05/09/2011 11:39	5						Shutdown/ check gas flowback to truck
Pump Water	05/09/2011 11:47	6	3	15	33		678.0	Pump more water into well to clean out gas
Shutdown	05/09/2011 11:54	7						Shutdown/ check gas flowback to truck
Pump Water	05/09/2011 12:03	8	3	25	58		685.0	Pump more water into well to clean out gas
Shutdown	05/09/2011 12:12	9						Shutdown

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	05/09/2011 12:13	10						Mix cement
Pump Cement	05/09/2011 12:24	11	3	12.2	70.2		284.0	Pump Mtn G Plug 1 15.8 ppg, 1.15 cuft/sk, 4.97 gal/sk 60 sks. with 12 lbs HR-5 retarder in mix water
Pump Displacement	05/09/2011 12:29	12	3	33	103.2		595.0	Pump water displacement behind cement to balance plug
Shutdown	05/09/2011 12:39	13						Shutdown
Other	05/09/2011 12:40	14						Check flowback, no flow, break off tubing, pulled 7 stands out of cement
Reverse Circ Well	05/09/2011 13:00	15	3	45	148.2		662.0	Pump water to reverse out tubing, dirty water circulated to pit
Shutdown	05/09/2011 13:14	16						Shutdown, rig started pulling tubing to prepare for plug 2
End Job	05/09/2011 13:15	17						Plugged back from 6070' with 313 ' cement plug
Other	05/09/2011 13:20							Wash pump truck/ update paperwork
Wait on Customer or Customer Sub-Contractor Equip	05/09/2011 13:30							Wait on customer to pull tubing, sit bridge plug tool and run tubing back to depth
Pre-Job Safety Meeting	05/09/2011 13:33							
Rig-Up Equipment	05/09/2011 13:33							
Pre-Job Safety Meeting	05/09/2011 15:45							
Start Job	05/09/2011 15:54	18						Start Plug 2
Pump Water	05/09/2011 15:55	19	4	120	268.2		975.0	Pump water for full volume to circulate gas out of well
Shutdown	05/09/2011 16:26	20						
Other	05/09/2011 16:27	21						Mix cement
Pump Cement	05/09/2011 16:41	22	3	4	272.2		373.0	Pump Mtn G Plug 2 15.8 ppg, 1.15 cuft/sk, 4.97 gal/sk. 20 sks. with 2 lbs HR-5

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	05/09/2011 16:43	23	3	20	292.2		452.0	Pump water displacement 8.4 ppg
Shutdown	05/09/2011 16:50	24						Shutdown, check flow back to truck
Other	05/09/2011 16:50	25						Rig pulled 120' tubing out of cement
Reverse Circ Well	05/09/2011 17:03	26	4	30	322.2		563.0	Reverse out volume and half of tubing capacity, dirty water circulated to pit
Shutdown	05/09/2011 17:12	27						Shutdown
End Job	05/09/2011 17:13	28						Plugged back 3620' with 102' cement plug
Pre-Rig Down Safety Meeting	05/09/2011 17:15							
Rig-Down Equipment	05/09/2011 17:20							Rig down equipment/floor
Other	05/09/2011 17:30							Wash pump truck/ paperwork
Pre-Convoy Safety Meeting	05/09/2011 17:55							
Crew Leave Location	05/09/2011 18:00							

### Rock Springs Cement Entek Roubidoux 13-15T Plug Back

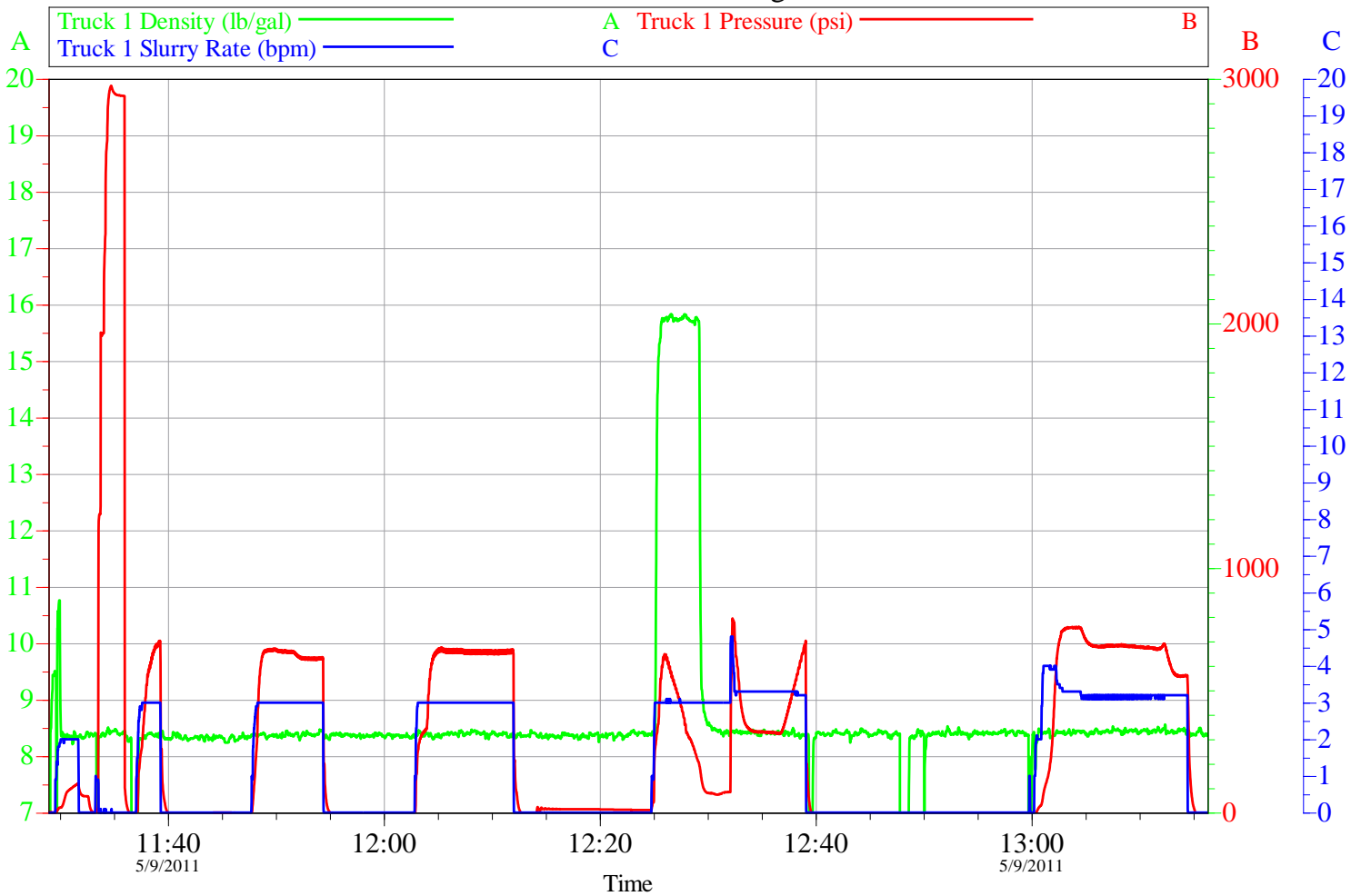


Local Event Log											
Intersection			TID	TIP	TISR	Intersection			TID	TIP	TISR
1	START JOB/ PLUG 1	11:29:12	8.728	1.000	0.000	2	PUMP WATER AHEAD	11:29:37	9.500	1.000	0.900
3	PRESSURE TEST	11:34:43	8.420	2969	0.000	4	PUMP WATER	11:37:04	0.020	-7.000	0.452
5	SHUTDOWN/ CHECK FLOWBACK	11:39:25	8.397	242.3	0.000	6	PUMP WATER	11:47:49	8.373	15.05	0.900
7	SHUTDOWN/CHECK FLOWBACK	11:54:28	8.316	197.5	0.000	8	PUMP WATER	12:03:04	8.366	177.1	2.759
9	SHUTDOWN	12:12:09	8.359	173.2	0.000	10	MIX CEMENT	12:13:42	8.424	-9.000	0.000
11	PUMP CEMENT	12:24:50	8.394	23.40	1.000	12	PUMP DISPLACEMENT	12:29:28	9.155	124.0	3.000
13	SHUTDOWN	12:39:05	8.380	702.7	3.200	14	CHECK FLOWBACK/ PULL STANDS	12:40:26	8.389	-14.00	0.000
15	REVERSE OUT	13:00:11	8.399	-13.00	0.000	16	SHUTDOWN	13:14:30	8.452	474.8	0.000
17	END PLUG 1	13:15:26	8.430	-14.19	0.000						

Customer: Entek	Job Date: 09-May-2011	Sales Order #: 8159537
Well Description: Roubidoux 13-15T Plug Back	UWI: 05-081-07457-00	Supervisor Madsen

OptiCem v6.4.9  
09-May-11 17:33

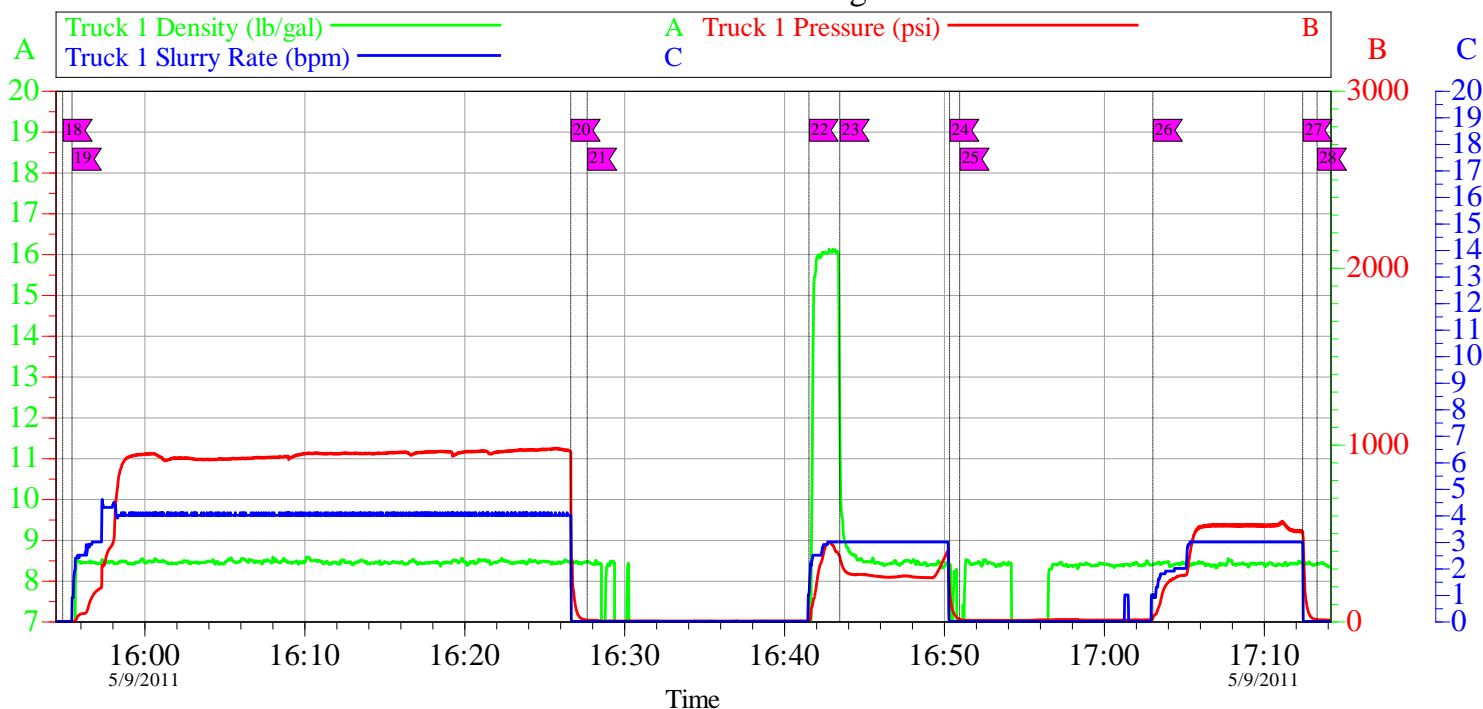
### Rock Springs Cement Entek Roubidoux 13-15T Plug Back



Customer: Entek	Job Date: 09-May-2011	Sales Order #: 8159537	OptiCem v6.4.9 09-May-11 17:34
Well Description: Roubidoux 13-15T Plug Back	UWI: 05-081-07457-00	Supervisor Madsen	



### Rock Springs Cement Entek Roubidoux 13-15T Plug Back

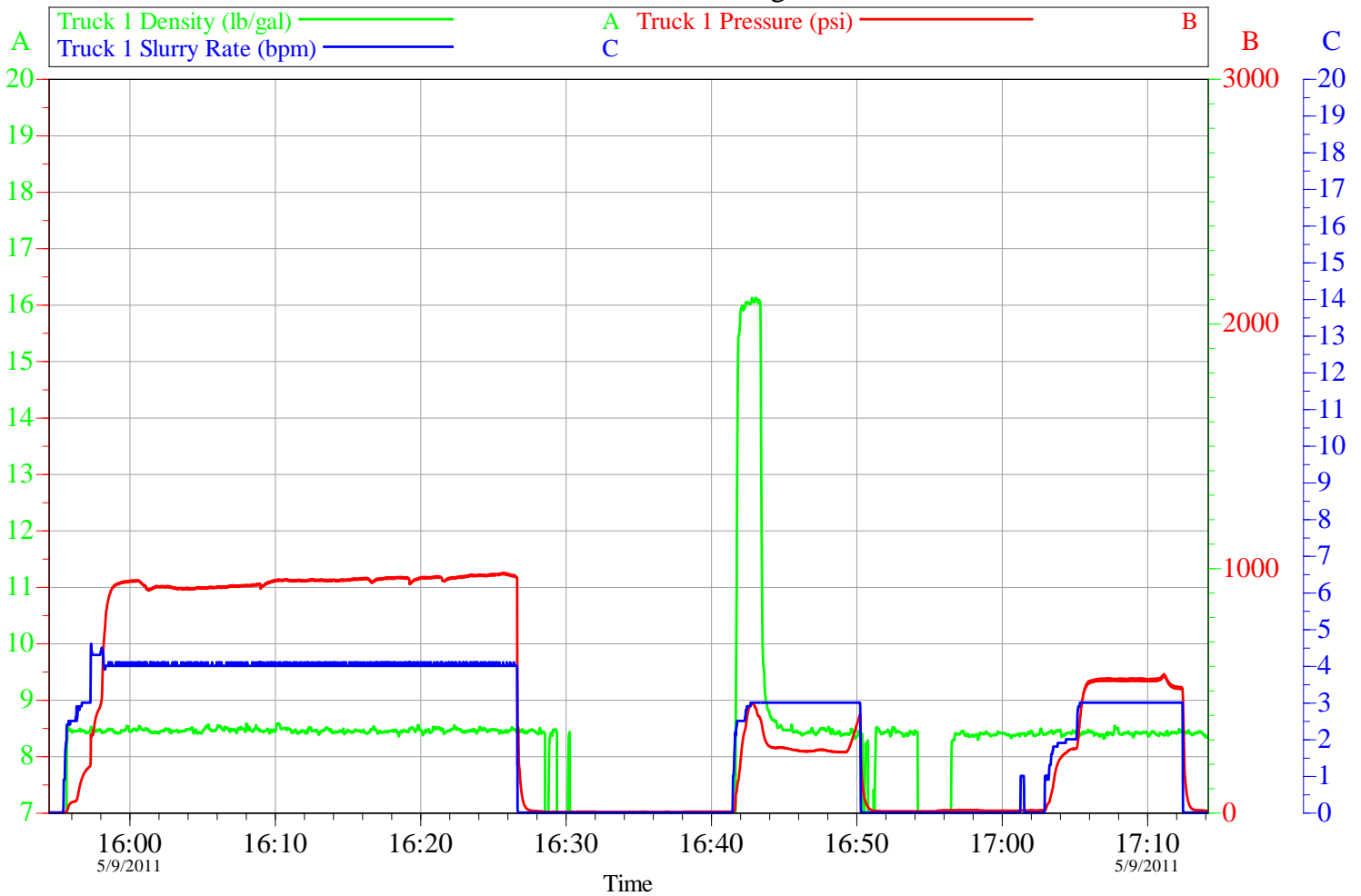


Local Event Log									
Intersection	TID	TIP	TISR	Intersection	TID	TIP	TISR		
18 START JOB PLUG 2	15:54:54	-0.050	0.000	19 PUMP WATER/ CIRCULATE FULL VOLUME	15:55:28	-0.068	0.000	0.370	
20 SHUTDOWN	16:26:40	8.450	960.4	21 MIX CEMENT	16:27:42	8.476	8.000	0.000	
22 PUMP CEMENT	16:41:33	-0.084	5.192	23 PUMP DISPLACEMENT	16:43:29	11.96	364.7	3.000	
24 SHUTDOWN/CHECK FLOWBACK	16:50:21	8.398	182.8	25 RIG PULLED STANDS	16:50:59	0.430	12.00	0.000	
26 REVERSE OUT	17:03:04	8.400	19.40	27 SHUTDOWN	17:12:26	8.430	503.1	2.884	
28 END JOB PLUG 2	17:13:20	8.420	11.00						

Customer: Entek	Job Date: 09-May-2011	Sales Order #: 8159537
Well Description: Roubidoux 13-15T Plug Back	UWI: 05-081-07457-00	Supervisor Madsen

OptiCem v6.4.9  
09-May-11 17:31

### Rock Springs Cement Entek Roubidoux 13-15T Plug Back



Customer: Entek	Job Date: 09-May-2011	Sales Order #: 8159537	OptiCem v6.4.9 09-May-11 17:32
Well Description: Roubidoux 13-15T Plug Back	UWI: 05-081-07457-00	Supervisor Madsen	

## HALLIBURTON

## Water Analysis Report

COMPANY:	Entek	Date Recorded	5/9/2011
SUBMITTED BY:	Madsen	SO#	8159537
LEASE:	Roubidoux	Job Type	Plug Back
WELL #:	13-15T	Camp Location	10142 ROCK SPRINGS WY

## CEMENT MIX WATER REQUIREMENTS

Item	Recorded Test Value	Max Acceptable Limit	Potential Problems in Exceeding Limit
pH	7	5 to 8.5	Chemicals in water can cause severe retardation
Chlorides <sup>1,2</sup>	0	3000 mg/L	Can accelerate the set time on cement 1% ~ 4800 mg/L
Total Alkalinity	120	1000 mg/L	Cement is greatly retarded to the point where it may not set up at all, decrease strength of cement and possibly thicken cement slurry. (Typically occurs @ pH ≥ 8.3)
Total Hardness	1.5	400 mg/L	Slightly shortens pump time on cement.
Sulfates	<200	1500 mg/L	Will greatly decrease the strength of cement
Iron	0	300 mg/L	Could cause gelation issues with cement
Water Temp	73°	50F to 80F	High temps will accelerate; Low temps may risk freezing in cold weather

NOTES:

1. If the water's pH is greater than or equal to 8, avoid using it since Magnesium may be present (there are no field test strips for Magnesium).