

SYNERGY RESOURCES CORPORATION  
20203 HIGHWAY 60  
PLATTEVILLE, Colorado

RBFB 14-15D

Ensign 33

## Post Job Summary

### Cement Production Casing

Prepared for:  
Date Prepared:  
Version: 1

Don Libhart  
11/22/2010

Service Supervisor: Justin Wheeler

Submitted by: Wes Aaron

HALLIBURTON

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
11/18/2010 04:30		Depart from Service Center or Other Site						
11/18/2010 06:00		Arrive At Loc						
11/18/2010 07:20		Safety Meeting - Pre Rig-Up						
11/18/2010 08:11		Test Lines						
11/18/2010 08:11		Pump Spacer	3	20			250.0	Pump Fresh Water
11/18/2010 08:17		Pump Spacer	3.5	24			290.0	Pump Mud Flush
11/18/2010 08:25		Pump Lead Cement	8	166.7			620.0	Mix and Pump 480 sks EconoCem Cement @ 12.5 lb/gal
11/18/2010 08:31		Other						Power to FLECS System on Pump Truck was accidentally turned off. When Power was turned back on, Downhole Densometer was reading density heavy. Verified Density W/ Pressurized Mud Scales, and Re-Set Downhole Densometer
11/18/2010 08:49		Pump Tail Cement	8	68.1			280.0	Mix and Pump 225 sks FracCem Cement @ 13.5 lb/gal
11/18/2010 09:00		Clean Lines		10				Wash Pumps and Lines to Pit
11/18/2010 09:00		Drop Top Plug						
11/18/2010 09:03		Pump Displacement - Start	8	0			180.0	
11/18/2010 09:24		Pump Displacement - End	3	116			1640.0	Good Returns Throughout Job
11/18/2010 09:24		Bump Plug	3	116			2680.0	
11/18/2010 09:26		Check Floats						Floats Holding
11/18/2010 10:00		Safety Meeting - Pre Rig-Down						
11/18/2010 10:30		Safety Meeting - Departing Location						

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 359915		<b>Ship To #:</b> 2820071		<b>Quote #:</b>		<b>Sales Order #:</b> 7781473	
<b>Customer:</b> SYNERGY RESOURCES CORPORATION				<b>Customer Rep:</b> Libhart, Don			
<b>Well Name:</b> RBF			<b>Well #:</b> 14-15D			<b>API/UWI #:</b>	
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> WINDSOR		<b>County/Parish:</b> Weld			<b>State:</b> Colorado
<b>Contractor:</b> Ensign			<b>Rig/Platform Name/Num:</b> 33				
<b>Job Purpose:</b> Cement Production Casing							
<b>Well Type:</b> Development Well			<b>Job Type:</b> Cement Production Casing				
<b>Sales Person:</b> FLING, MATTHEW			<b>Srvc Supervisor:</b> WHEELER, JUSTIN			<b>MBU ID Emp #:</b> 196470	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BARNES, BRIAN L		485204	Olson, Max		476344	Rodriguez, Ricardo		twc
Viso, Ramon		471921	WARD, SAMUEL Winfield		478713	WHEELER, JUSTIN W		196470
WILEY, JAMES A		440080						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857012C	45 mile	10948694	45 mile	11338223	45 mile	11398319	45 mile
11542778	45 mile	5707C	45 mile				

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

## Job

## Job Times

Formation Name							Date	Time	Time Zone
Formation Depth (MD)	Top			Bottom		Called Out	18 - Nov - 2010	00:00	MST
Form Type				BHST		On Location	18 - Nov - 2010	06:00	MST
Job depth MD	7499. ft			Job Depth TVD	7499. ft	Job Started	18 - Nov - 2010	08:09	MST
Water Depth				Wk Ht Above Floor		Job Completed	18 - Nov - 2010	09:30	MST
Perforation Depth (MD)	From			To		Departed Loc	18 - Nov - 2010	10:30	MST

## 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
Open Hole				7.875				446.	7525.	.	.
Production Casing	New		4.5	4.	11.6			.	7499.		
Surface Casing	New		8.625	8.097	24.		J-55	.	446.	.	.

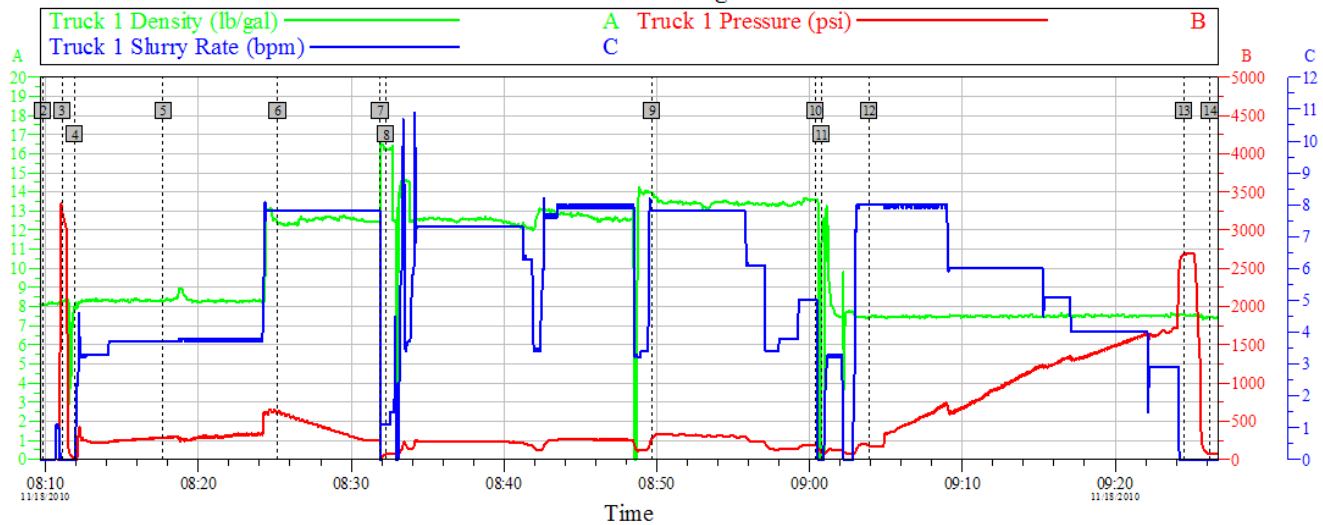
Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,FLT,4-1/2 8RD,2-3/4 SSII	1	EA		
CLR,FLT,4-1/2 8RD,9.5-13.5PPF,2-3/4	1	EA		
CENTRALIZER ASSY - API - 4-1/2 CSG X	30	EA		
CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA		
KIT,HALL WELD-A	1	EA		

Description										Qty	Qty uom	Depth	Supplier		
PLUG ASSY - 3W LATCHDOWN - 4-1/2 IN										1	EA				
BAFFLE ASSY - 4-1/2 8RD LATCHDOWN PLUG										1	EA				
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					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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk				
1	Water Spacer				20.00	bbl	8.33	.0	.0	5.0					
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)			24.00	bbl	8.4	.0	.0	5.0					
3	Cement 12.5#	ECONOCEM (TM) SYSTEM (452992)			480.0	sacks	12.5	1.95	10.62	5.0	10.62				
	10.62 Gal	FRESH WATER													
4	Cement 13.5#	FRACCEN (TM) SYSTEM (452963)			225.0	sacks	13.5	1.7	8.16	5.0	8.16				
	8.16 Gal	FRESH WATER													
5	Clayfix Displacement					Gal	.	.0	.0	.0					
	0 gal/Mgal	CLAYFIX 3, TOTETANK (101583425)													
Calculated Values		Pressures			Volumes										
Displacement		Shut In: Instant			Lost Returns		Cement Slurry		Pad						
Top Of Cement		5 Min			Cement Returns		Actual Displacement		Treatment						
Frac Gradient		15 Min			Spacers		Load and Breakdown		Total Job						
Rates															
Circulating		Mixing		Displacement		Avg. Job									
Cement Left In Pipe		Amount	14 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										

# HALLIBURTON

## Synergy - RBF 14-15 D Production Casing



Global Event Log			
Intersection			
		TIP	TISR
2	Start Job	08:09:50	10.000 0.000
3	Test Lines	08:11:06	3241 0.000
4	Pump Fresh Water	08:11:54	8.149 0.000
5	Pump Mud Flush	08:17:42	289.1 3.700
6	Pump Lead Cement	08:25:12	621.2 7.800
7	Power to FLECS System was turned off accidentally.	08:31:54	89.34 2.777
8	After Power was turned on, Verified Density with pressurized mud scales, and re-set densometer	08:32:17	69.39 1.100
9	Pump Tail Cement	08:49:42	278.2 7.800
10	Shut-Down, Drop Plug	09:00:23	192.0 5.000
11	Clean Lines	09:00:46	99.65 0.000
12	Pump Displacement	09:03:55	182.0 8.000
13	Bump Plug	09:24:31	2682 0.000
14	Check Floats, Floats Holding	09:26:13	74.62 0.000

Customer: Synergy  
Well Description: RBF 14-15 D

Job Date: 18-Nov-2010  
UWI:

Sales Order #: 7781473

OptiCem v6.4.9  
18-Nov-10 09:55