

SYNERGY RESOURCES CORPORATION  
20203 HIGHWAY 60  
PLATTEVILLE, Colorado

SRC M&T Farms  
SRC M&T Farms 33-10D

**Ensign 33**

## **Post Job Summary**

# **Cement Production Casing**

Prepared for:  
Date Prepared: 7/27/2010  
Version: 1

Service Supervisor: BLAKE, MICHAEL

Submitted by: Mark Sauter

**HALLIBURTON**

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 359915		<b>Ship To #:</b> 2795637		<b>Quote #:</b>		<b>Sales Order #:</b> 7507380	
<b>Customer:</b> SYNERGY RESOURCES CORPORATION				<b>Customer Rep:</b> Libhart, Don			
<b>Well Name:</b> SRC M&T Farms			<b>Well #:</b> 33-10D			<b>API/UWI #:</b> 05-123-31656-00	
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> LUCERNE		<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> BLAKE, MICHAEL			<b>MBU ID Emp #:</b> 305760	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BLAKE, MICHAEL James		305760	CHAVEZ, JEROME Christophe		458298	SAWCEDA, JIMMY		0
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
10804557C	40 mile	10824253C	40 mile	10972458	40 mile	11142999	40 mile
11338223	40 mile	11398319	40 mile				

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
<b>TOTAL</b>	Total is the sum of each column separately							

### Job

Formation Name				Date	Time	Time Zone
<b>Formation Depth (MD)</b>	<b>Top</b>	<b>Bottom</b>		<b>Called Out</b>	18 - Jul - 2010	22:30 MST
<b>Form Type</b>	BHST			<b>On Location</b>	19 - Jul - 2010	02:00 MST
<b>Job depth MD</b>	7320. m	<b>Job Depth TVD</b>	7320. m	<b>Job Started</b>	19 - Jul - 2010	03:26 MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>		<b>Job Completed</b>	19 - Jul - 2010	04:40 MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>		<b>Departed Loc</b>	19 - Jul - 2010	06:00 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
Open Hole				7.875				651.	7635.	.	.
Production Casing	New		4.5	4.	11.6			.	7604.	.	.
Surface Casing	New		8.625	8.097	24.		J-55	.	651.	.	.

### 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		
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 kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne		
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)			500.0	sacks	12.5	1.96	10.7	5.0	10.7		
10.696 Gal		FRESH WATER											
4	Cement 13.5#	FRACCEM (TM) SYSTEM (452963)			200.0	sacks	13.5	1.7	8.16	5.0	8.16		
8.162 Gal		FRESH WATER											
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		10 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							

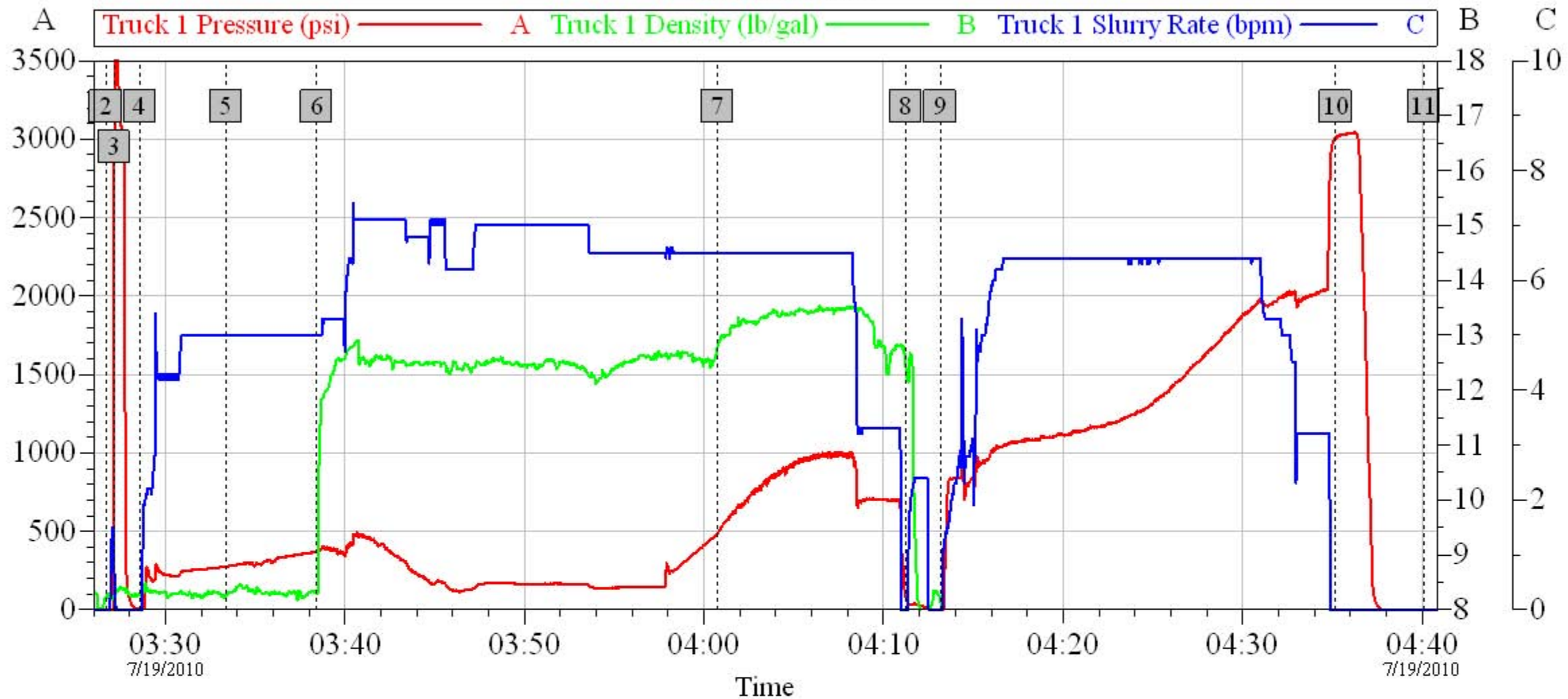
*The Road to Excellence Starts with Safety*

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<b>Field:</b> WATTENBERG	<b>City (SAP):</b> LUCERNE	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Legal Description:</b>			
<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> Ensign		<b>Rig/Platform Name/Num:</b> 33	
<b>Job Purpose:</b> Cement Production Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Production Casing	
<b>Sales Person:</b> FLING, MATTHEW		<b>Srvc Supervisor:</b> BLAKE, MICHAEL	<b>MBU ID Emp #:</b> 305760

Activity Description	Date/Time	Cht #	Rate m3/ min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	07/19/2010 02:00							
Safety Huddle	07/19/2010 02:26							
Safety Meeting	07/19/2010 03:00							
Start Job	07/19/2010 03:26							
Test Lines	07/19/2010 03:27		0.08	0.16	0.16		25.7	TEST PUMPS AND LINES
Pump Water	07/19/2010 03:28		0.79	3.18	3.34		2.0	PUMP WATER SPACER AND CLAY FIX
Pump Spacer 1	07/19/2010 03:33		0.79	3.82	7.16		2.1	PUMP MUD FLUSH
Pump Lead Cement	07/19/2010 03:38		1.11	27.67	34.82		3.2	PUMP ( 500 sks ) OF ECONOCEM AT 12.5#
Pump Tail Cement	07/19/2010 04:00		1.11	9.7	44.52		7.1	PUMP ( 200 sks ) OF FRACCCEM AT 13.5#
Drop Top Plug	07/19/2010 04:11							SHUT DOWN AND DROP PLUG AND CLEAN LINES
Pump Displacement	07/19/2010 04:13		0.95	18.45	62.97		14.2	PUMP DISPLACEMENT WITH WATER AND CLAY FIX
Bump Plug	07/19/2010 04:35						21.0	BUMP PLUG AND RELEASED BACK AND CHECK FLOATS HELD

# Synergy - SRC M&T Farms 33-10 D

4 1/2 Production



## Global Event Log

Intersection	TIP	Intersection	TIP
2 Start Job	03:26:40 -6.000	3 Test Lines	03:27:08 2766
4 Pump Water	03:28:34 3.000	5 Pump Mud Flush	03:33:22 274.2
6 Pump Econocem Cmt @ 12.5#	03:38:25 370.9	7 Pump Fraccem Cmt @ 13.5#	04:00:45 485.0
8 Drop Plug	04:11:15 73.98	9 Pump Displacement/Water	04:13:10 -4.000
10 Bump Plug	04:35:12 3009	11 End Job	04:40:06 -4.000

Customer: Synergy  
Well Description: Prod.

Job Date: 19-Jul-2010  
UWI:

Sales Order #: 7507380

OptiCem v6.4.2  
19-Jul-10 04:49