

SYNERGY RESOURCES CORPORATION  
20203 HIGHWAY 60  
PLATTEVILLE, Colorado

SRC TK 22-36D

**ENSIGN #33**

## **Post Job Summary**

### **Cement Production Casing**

Prepared for:	Don Libhart
Date Prepared:	3/26/2010
Version:	1

Service Supervisor: Mike Blake

Submitted by: Wes Aaron

**HALLIBURTON**

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
03/24/2010 14:30		Arrive at Location from Service Center						
03/24/2010 15:45		Safety Huddle						
03/24/2010 16:00		Safety Meeting						
03/24/2010 16:32		Start Job						
03/24/2010 16:34		Test Lines	0.5	1			3990.0	TEST PUMPS AND LINES
03/24/2010 16:35		Pump Water	4	20			230.0	PUMP WATER SPACER
03/24/2010 16:40		Pump Spacer 1	4	24			295.0	PUMP MUD FLUSH
03/24/2010 16:46		Pump Lead Cement	7	182			185.0	PUMP ( 410 sks ) OF VERSACEM CEMENT AT 12.0#
03/24/2010 17:13		Pump Tail Cement	6	70			270.0	PUMP ( 200 sks ) OF VERSACEM CEMENT AT 13.0#
03/24/2010 17:23		Drop Top Plug						SHUT DOWN AND DROP PLUG AND CLEAN LINES
03/24/2010 17:26		Pump Displacement	6	121			1180.0	PUMP DISPLACEMENT WITH WATER AND CLAY FIX
03/24/2010 17:49		Bump Plug					2485.0	BUMP PLUG AND RELEASED BACK AND CHECK FLOATS HELD
03/24/2010 17:53		End Job						

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 359915		<b>Ship To #:</b> 2774940		<b>Quote #:</b>		<b>Sales Order #:</b> 7252972	
<b>Customer:</b> SYNERGY RESOURCES CORPORATION				<b>Customer Rep:</b>			
<b>Well Name:</b> SRC TK			<b>Well #:</b> 22-36D			<b>API/UWI #:</b> 05-123-30461-00	
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> EATON		<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	DRAA, JOSEPH Michael		429860
MCPHERSON, MATTHEW L		455378						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10822531C	40 mile	10824253C	40 mile	10866493C	40 mile	10867419C	40 mile
10988836C	40 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

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top	Bottom			Called Out	24 - Mar - 2010	10:00 MST
Form Type	BHST				On Location	24 - Mar - 2010	14:30 MST
Job depth MD	7879. ft	Job Depth TVD	7879. ft		Job Started	24 - Mar - 2010	16:30 MST
Water Depth		Wk Ht Above Floor	2. ft		Job Completed	24 - Mar - 2010	17:53 MST
Perforation Depth (MD)	From	To			Departed Loc	24 - Mar - 2010	19:00 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				7.857				549.	7879.		
Production Casing	New		4.5	4.	11.6			.	7822.		
Surface Casing	Unknown		8.625	8.097	24.		J-55	.	549.		

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

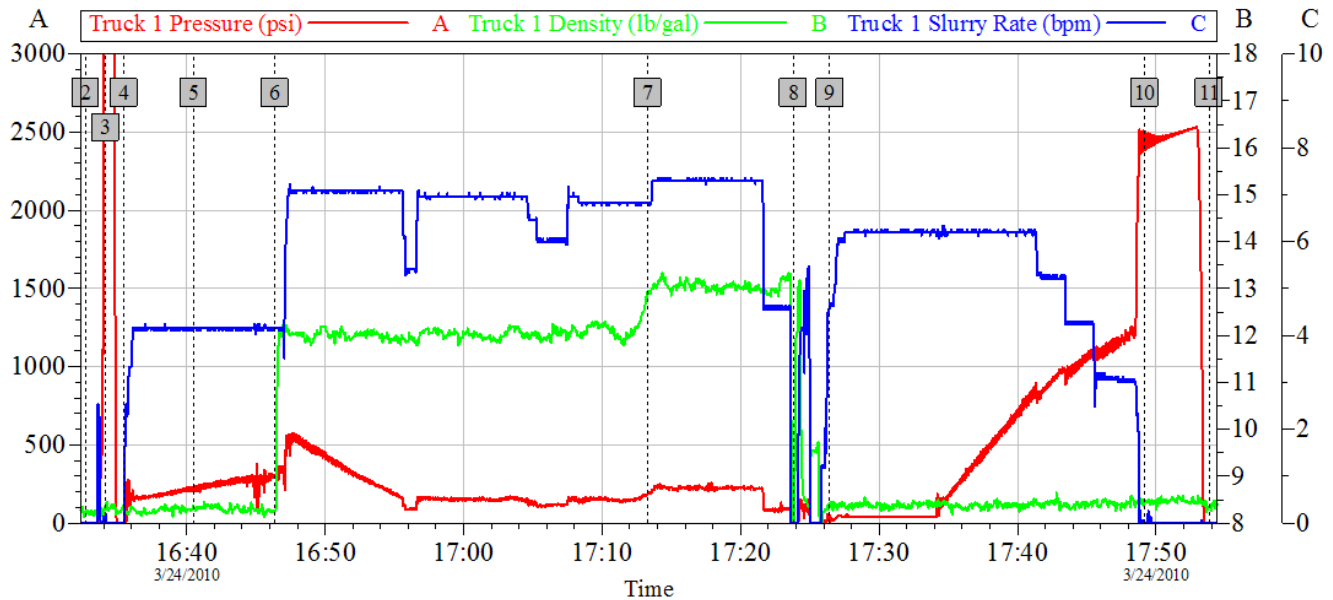
Description	Qty	Qty uom	Depth	Supplier
SHOE,FLT,4-1/2 8RD,2-3/4 SSII	1	EA		
CLR,FLT,4-1/2 8RD,9.5-13.5PPF,2-3/4	1	EA		
CENTRALIZER ASSY - API - 4-1/2 CSG X	30	EA		
CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA		

Description										Qty	Qty uom	Depth	Supplier		
PLUG,CMTG, TOP, 4 1/2, HWE, 3.65 MIN/4.14 MA										1	EA				
KIT, HALL WELD-A										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 ft <sup>3</sup> /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	Versacem 12#	VERSACEM (TM) SYSTEM (452010)			410.0	sacks	12.	2.49	13.91	5.0	13.91				
4	Versacem 13#	VERSACEM (TM) SYSTEM (452010)			200.0	sacks	13.	1.96	9.93	5.0	9.93				
5	Clayfix III				121.00	bbl	8.33	.0	.0	.0					
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	15 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 - SCR TK 22-36 D

4 1/2 Production



Global Event Log			
Intersection	T1P	Intersection	T1P
2 Start Job	16:32:42 -23.71	3 Test Lines	16:34:08 3961
4 Pump Water	16:35:29 -18.77	5 Pump Mud Flush	16:40:30 221.1
6 Pump Versacem Cement @ 12.0#	16:46:22 309.2	7 Pump Versacem Cement @ 13.0#	17:13:18 181.9
8 Drop Plug	17:23:49 -30.62	9 Pump Displacement	17:26:27 37.39
10 Bump Plug	17:49:10 2442	11 End Job	17:53:51 -25.69

Customer:

Well Description:

Job Date: 24-Mar-2010

UWI:

Sales Order #: 7252972

OptiCem v6.4.2  
24-Mar-10 18:07