

**SYNERGY RESOURCES CORPORATION
20203 HIGHWAY 60
PLATTEVILLE, Colorado**

Avex 42-10 D

Ensign 136

Post Job Summary

Cement Surface Casing

Date Prepared: 09/19/2012
Version: 1

Service Supervisor: VIGIL, NICHOLAS

Submitted by: PLIENESS, RYAN

HALLIBURTON

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		TVD	
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft
Open Hole Section	Open Hole		12.250		0.00	650.00	0.00	650.00
Casing	Surface Casing	8.63	8.097	24.00	0.00	650.00	0.00	650.00

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	40 bbl	40 bbl
1	2	Cement Slurry	SwiftCem B2	13.40	175.0 sacks	175.0 sacks

Fluids Pumped

Stage/Plug # 1 Fluid 1: Fresh Water Spacer
DUMMY MUD / FLUSH / SPACER SBC MATERIAL

Fluid Density: 8.33 lbm/gal

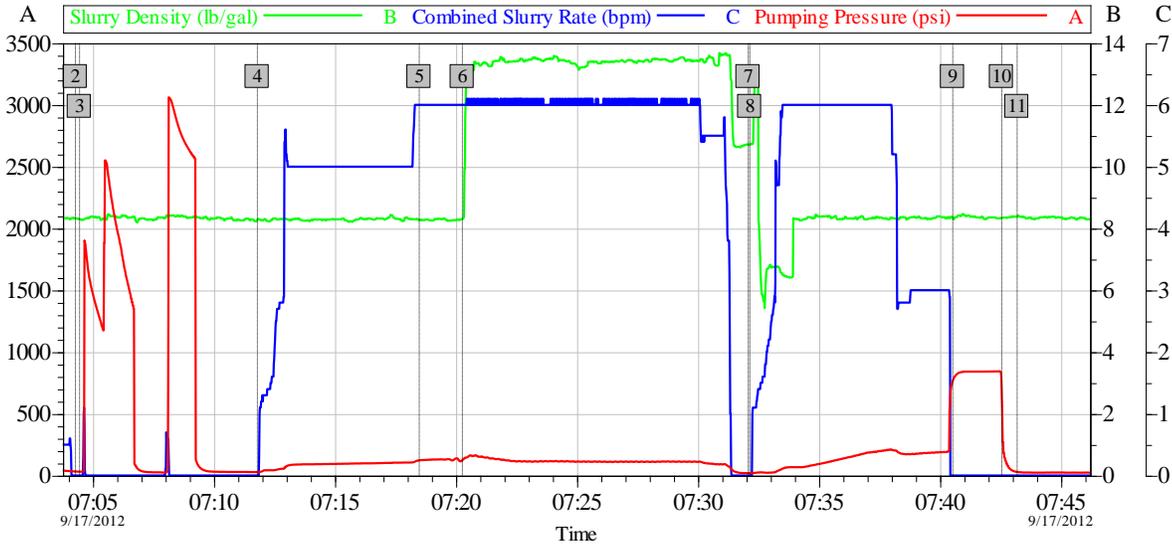
Stage/Plug # 1 Fluid 2: SwiftCem B2
SWIFTCEM (TM) SYSTEM

Fluid Weight: 13.40 lbm/gal
Slurry Yield: 1.84 ft³/sack
Total Mixing Fluid: 9.73 Gal
Surface Volume: 175.0 sacks
Sacks: 175.0 sacks
Calculated Fill: 650.00 ft

HALLIBURTON

Data Acquisition

Synergy Avex 42-10D Surface



Global Event Log					
2	Start Job	07:04:17	3	Test Lines	07:04:27
4	30 bbl Water	07:11:48	5	10 bbl Dye Water	07:18:29
6	13.4 ppg SwiftCem	07:20:16	7	Drop Top Plug	07:32:05
8	Pump Displacement	07:32:09	9	Bump Plug	07:40:32
10	Check Floats	07:42:33	11	End Job	07:43:11

Customer:	Job Date: 17-Sep-2012	Sales Order #: 9822734
Well Description:	UWI:	

OptiCem v6.4.10
19-Dec-12 17:00

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
09/17/2012 04:25		Arrive At Loc					HAZARD HUNT, WATER TEST, PRE RIG UP SAFETY MEETING, WATED FOR RIG TO FINISH RUNNING CASING
09/17/2012 07:04		Start Job					PRE JOB SAFETY MEETING
09/17/2012 07:04		Test Lines					PRESSURE TESTED LINES TO 2500 PSI
09/17/2012 07:11		Pump Spacer 1	5	30		109.0	RIG WATER
09/17/2012 07:18		Pump Spacer 2	6	10		108.0	DYE WATER
09/17/2012 07:20		Pump Cement	6	57.3		117.0	13.4 PPG SWIFTCEM (175 SKS)
09/17/2012 07:32		Drop Top Plug					PLUG WAS PRE LOADED
09/17/2012 07:32		Pump Displacement	6	36.5		155.0	RIG WATER
09/17/2012 07:40		Bump Plug	3			191.0	CALCULATED PRESSURE TO LAND WAS 152 PSI/+ 500 OVER
09/17/2012 07:42		Check Floats					FLOATS HELD
09/17/2012 07:43		End Job					

The Road to Excellence Starts with Safety

Sold To #: 359915	Ship To #: 2951866	Quote #:	Sales Order #: 9822734
Customer: SYNERGY RESOURCES CORPORATION		Customer Rep: Weitzel, Charlie	
Well Name: Avex		Well #: 42-10 D	API/UWI #: 05-123-34998-00
Field: WATTENBERG	City (SAP): JOHNSTOWN	County/Parish: Weld	State: Colorado
Contractor: Ensign		Rig/Platform Name/Num: 136	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: AARON, WESLEY		Srvc Supervisor: VIGIL, NICHOLAS	MBU ID Emp #: 443481

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BELL, ROBERT Preston	0.0	437060	MILLER, GEOFFREY Alan	0.0	460232	VIGIL, NICHOLAS Joseph	0.0	443481

Equipment

HES Unit #	Distance-1 way						
10829456	31 mile	10988836C	31 mile	11527037	31 mile	11667703C	31 mile

Job Hours

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

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	17 - Sep - 2012	04:25	MST
Job depth MD	650. ft	Job Depth TVD	Job Started	17 - Sep - 2012	00:00	MST
Water Depth		Wk Ht Above Floor	Job Completed	17 - Sep - 2012	00:00	MST
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	17 - Sep - 2012	00:00	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				12.25				.	650.	.	650.
Surface Casing	Mixed		8.625	8.097	24.			.	650.	.	650.

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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer			bbl	8.33	.0	.0	.0	
2	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	175.0	sacks	13.4	1.84	9.73		9.73
9.73 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	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					

