

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

Avex 35D

Ensign 226

Post Job Summary **Cement Surface Casing**

Date Prepared: 11/14/2012
Version: 1

Service Supervisor: WHEELER, JUSTIN

Submitted by: KENNEDY, HERRON

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		Excess	Shoe Joint Length
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	%	ft
Open Hole Section	Open Hole		12.250		0.00	615.00		
Casing	Surface Casing	8.63	8.097	24.00	0.00	608.00		44.00

HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	0.00	30.0 bbl	30.0 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

Fluid Density: 8.33 lbm/gal
Fluid Volume: 30.00 bbl

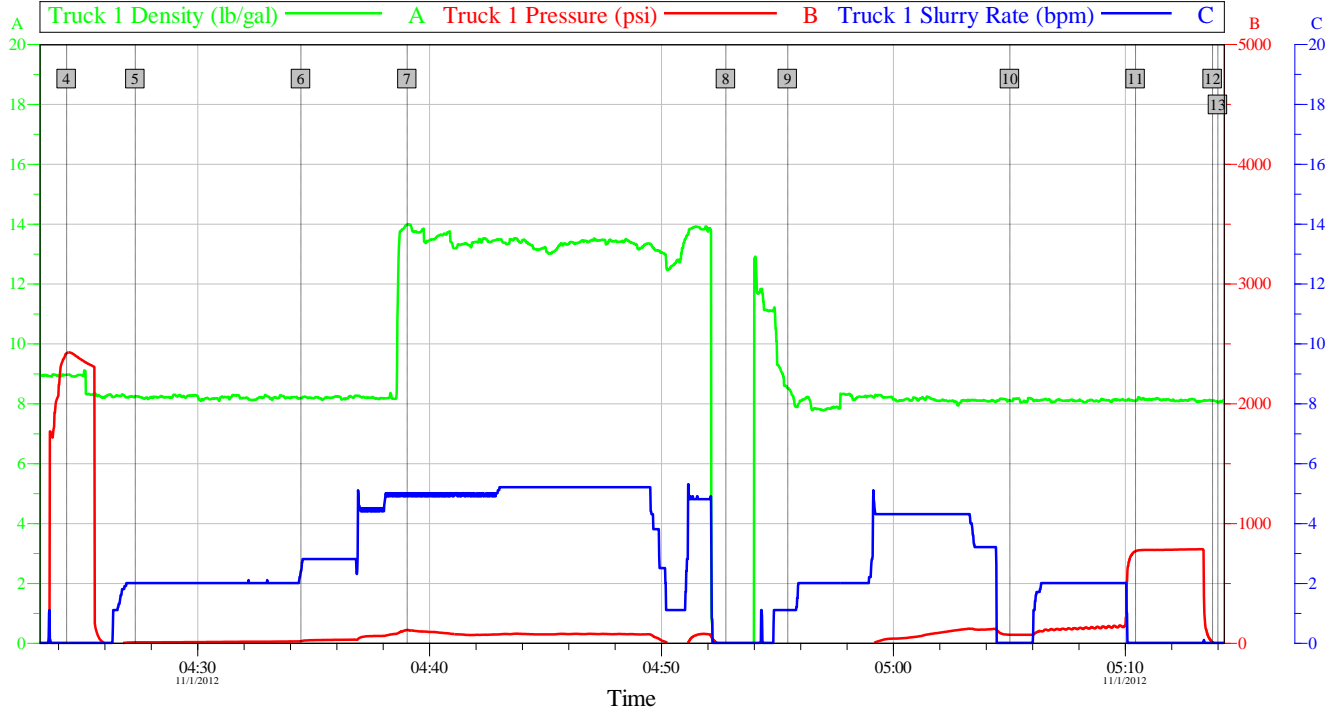
Stage/Plug # 1 Fluid 2: SwiftCem B2
SWIFTCER (TM) SYSTEM

Fluid Weight: 13.40 lbm/gal
Slurry Yield: 1.79 ft³/sack
Total Mixing Fluid: 9.52 Gal
Surface Volume: 175.0 sacks
Sacks: 175.0 sacks
Calculated Fill: 650.00 ft
Calculated Top of Fluid: 0.00 ft

HALLIBURTON

Data Acquisition

Synergy - Avex 35D
8 5/8" Surface Casing



Global Event Log							
Intersection		TIP	TISR	Intersection		TIP	TISR
4 Test Lines	04:24:22	2418	0.000	5 Pump Fresh Water Spacer	04:27:20	5.000	2.000
7 Pump Cement	04:39:03	108.4	4.942	8 Drop Top Plug	04:52:48	-16.50	0.000
10 Shutdown	05:05:02	68.00	0.000	11 Bump Plug	05:10:27	766.7	0.000
13 End Job	05:14:01	-11.07	0.000	12 Check Floats, Floats Holding	05:13:47	6.205	0.000
				6 Pump Dyed Water Spacer	04:34:28	15.00	2.400
				9 Pump Displacement	04:55:28	-18.45	1.100

Customer: Synergy	Job Date: 01-Nov-2012	Sales Order #: 9936566
Well Description: Avex 35D	UWI:	

OptiCem v6.4.9
01-Nov-12 05:52

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
11/01/2012 01:30		Depart from Service Center or Other Site						
11/01/2012 02:30		Arrive At Loc						
11/01/2012 02:45		Safety Meeting - Pre Rig-Up						Water Provided By Rig, Tested Ok For Mixing Cement
11/01/2012 04:24		Test Lines						Pressure Test Lines to 2500 PSI
11/01/2012 04:27		Pump Spacer	2	20			5.0	Pump 20 bbls Fresh Water Spacer
11/01/2012 04:34		Pump Spacer	2.5	10			15.0	Pump 10 bbls Dyed Water Spacer (2 lb. Bottle of Red Dye Used in 10 bbls)
11/01/2012 04:39		Pump Cement	5	55.8			110.0	Mix and Pump 175 sks SwiftCem Cement @ 13.4 lb/gal (Density Verified By Pressurized Scales)
11/01/2012 04:52		Drop Top Plug						Shut-Down, Drop Top Plug (Top Plug Pre-Loaded In Plug Container)
11/01/2012 04:55		Pump Displacement - Start	1	0			.0	Pump Fresh Water Displacement (Wash-Up on Top of Plug)
11/01/2012 05:00		Spacer Returns to Surface		18				Dyed Water Spacer Returns to Surface
11/01/2012 05:05		Cement Returns to Surface	3				115.0	8 bbls Cement to Surface
11/01/2012 05:05		Shutdown					70.0	Shut-Down, to Allow Rig Crew To Divert Cement Returns
11/01/2012 05:06		Resume	2				100.0	Resume Displacement
11/01/2012 05:10		Pump Displacement - End	2	35.9			160.0	Good Returns Throughout Job
11/01/2012 05:10		Bump Plug	2	35.9			775.0	
11/01/2012 05:13		Check Floats						Floats Holding, Returned 1 bbl Back to Truck
11/01/2012 06:00		Safety Meeting - Pre Rig-Down						Wet and Dry Samples of Cement Left On Location
11/01/2012 06:30		Safety Meeting - Departing Location						

The Road to Excellence Starts with Safety

Sold To #: 359915		Ship To #: 2961315		Quote #:		Sales Order #: 9936566	
Customer: SYNERGY RESOURCES CORPORATION				Customer Rep: HOPE, CRAIG			
Well Name: Avex			Well #: 35D			API/UWI #:	
Field: Wattenberg		City (SAP): JOHNSTOWN		County/Parish: Weld			State: Colorado
Contractor: Ensign			Rig/Platform Name/Num: 226				
Job Purpose: Cement Surface Casing							
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: AARON, WESLEY			Srvc Supervisor: WHEELER, JUSTIN			MBU ID Emp #: 196470	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HOLLOWAY, DUSTIN Craig	0.0	504032	IPSON, TIMOTHY J	0.0	485018	WHEELER, JUSTIN W	0.0	196470

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248062C	31 mile	11542778	31 mile	11605599	31 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	31 - Oct - 2012	00:00	MST
Form Type	BHST				On Location	01 - Nov - 2012	02:30	MST
Job depth MD	608. ft		Job Depth TVD	608. ft		Job Started	01 - Nov - 2012	04:23
Water Depth			Wk Ht Above Floor			Job Completed	01 - Nov - 2012	05:14
Perforation Depth (MD)	From		To		Departed Loc	01 - Nov - 2012	06:30	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				12.25				.	615.	.	615.
Surface Casing	Mixed		8.625	8.097	24.			.	608.	.	608.

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

Summit
Version:

Wednesday, November 14, 2012
20:03:00

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		30.00	bbl	8.33	.0	.0	.0	
2	SwiftCem B2	SWIFTCM (TM) SYSTEM (452990)	175.0	sacks	13.4	1.79	9.52		9.52
9.52 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	44 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					

