

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

Avex 35D

Ensign 226

Post Job Summary **Cement Production Casing**

Date Prepared: 11/14/2012
Version: 1

Service Supervisor: FANTASIA, JOSEPH

Submitted by: KENNEDY, HERRON

HALLIBURTON

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		TVD		Excess	Shoe Joint Length
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft	%	ft
Casing	Production Casing	4.50	4.000	11.60	0.00	7,599.00	0.00	7,599.00		15.00
Open Hole Section	Open Hole		7.875		605.00	7,620.00	0.00	0.00		
Casing	Surface Casing	8.63	8.097	24.00	0.00	605.00	0.00	605.00		

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	MUD FLUSH III	8.40	0.00	24.0 bbl	24.0 bbl
1	2	Cement Slurry	EXTENDACEM B1	11.50		560.0 sacks	560.0 sacks
1	3	Cement Slurry	FracCem B2	13.50		200.0 sacks	200.0 sacks

Fluids Pumped

Stage/Plug # 1 Fluid 1: MUD FLUSH III
MUD FLUSH III - SBM (528788)

Fluid Density: 8.40 lbm/gal
Fluid Volume: 24.00 bbl
Pump Rate: 0.00 bbl/min

Stage/Plug # 1 Fluid 2: EXTENDACEM B1
EXTENDACEM (TM) SYSTEM

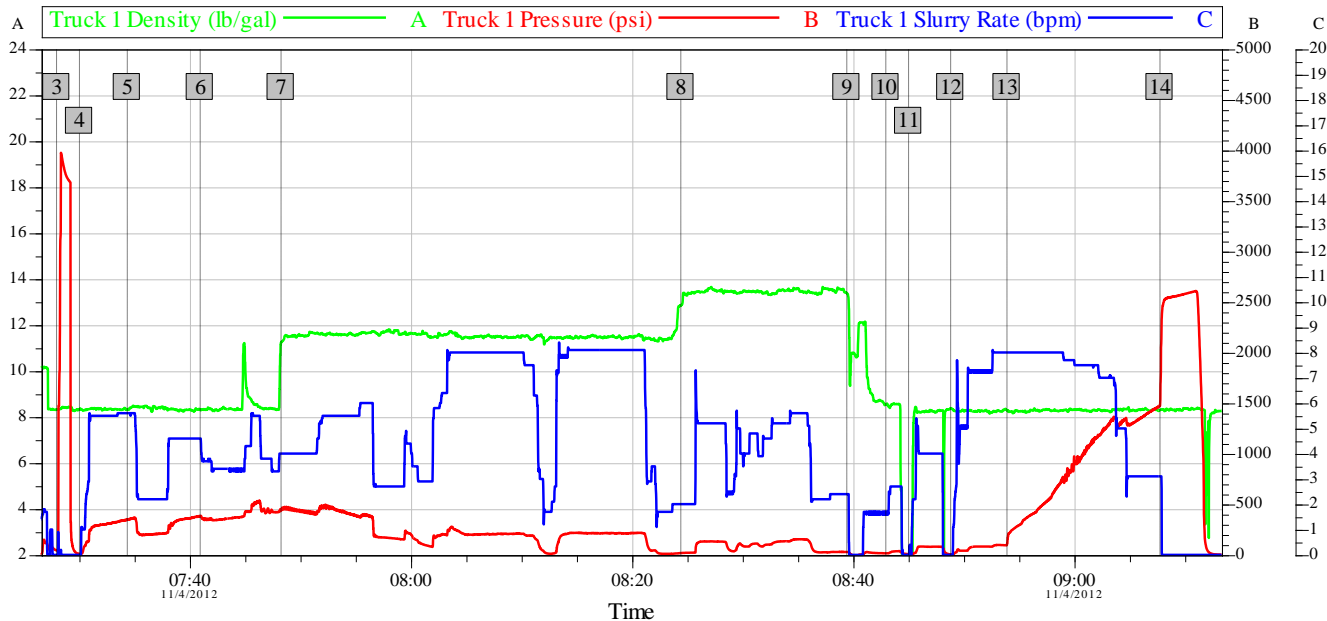
Fluid Weight: 11.50 lbm/gal
Slurry Yield: 2.30 ft³/sack
Total Mixing Fluid: 12.93 Gal
Surface Volume: 560.0 sacks
Sacks: 560.0 sacks
Calculated Fill: 5,300.00 ft
Calculated Top of Fluid: 1,600.00 ft
Estimated Top of Fluid:

Stage/Plug # 1 Fluid 3: FracCem B2
FRACCEM (TM) SYSTEM

Fluid Weight: 13.50 lbm/gal
Slurry Yield: 1.74 ft³/sack
Total Mixing Fluid: 8.30 Gal
Surface Volume: 200.0 sacks
Sacks: 200.0 sacks
Calculated Fill: 1,000.00 ft
Calculated Top of Fluid: 6,900.00 ft
Estimated Top of Fluid:

Data Acquisition

SYNERGY AVEV 35D PRODUCTION



Global Event Log

1 Starting Job	06:34:05	2 Start Job	07:05:56	3 Test Lines	07:27:59
4 Pump Spacer 1	07:30:03	5 Pump Spacer 2	07:34:22	6 Pump Spacer 1	07:40:58
7 Pump Lead Cement	07:48:16	8 Pump Tail Cement	08:24:26	9 Shutdown	08:39:26
10 Clean Lines	08:42:58	11 Drop Top Plug	08:45:01	12 Pump Displacement	08:48:49
13 Displ Reached Cmmt	08:53:55	14 Bump Plug	09:07:45	15 Ending Job	09:17:21

Customer:	Job Date: 04-Nov-2012	Sales Order #: 9942640
Well Description:	UWI:	

OptiCem v6.4.10
04-Nov-12 09:20

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
11/04/2012 05:30		Arrive at Location from Service Center						
11/04/2012 05:45		Assessment Of Location Safety Meeting						
11/04/2012 07:15		Start Job						
11/04/2012 07:27		Test Lines						PRESSURE TEST LINES TO 3500 PSI
11/04/2012 07:30		Pump Spacer 1	5	20			440.0	PUMP 20 BBLS WATER SPACER
11/04/2012 07:34		Pump Spacer 2	5	24			450.0	PUMP 24 BBLS MUDFLUSH MIXED USING RIG WATER
11/04/2012 07:40		Pump Spacer 1					490.0	PUMP 20 BBLS WATER SPACER
11/04/2012 07:48		Pump Lead Cement	7	229			515.0	560 SKS EXTENDACEM MIXED AT 11.5 PPG USING RIG WATER
11/04/2012 08:24		Pump Tail Cement	7	61			187.0	200 SKS FRACCEM MIXED AT 13.5 PPG USING RIG WATER
11/04/2012 08:39		Shutdown						
11/04/2012 08:41		Clean Lines	2	20				CLEAN LINES INTO POSSUM BELLY AND FLUSH WITH 18 BBLS CLEAN WATER.
11/04/2012 08:45		Drop Top Plug						DART DROPPED DURING SHUTDOWN
11/04/2012 08:48		Pump Displacement	8	117.5			178.0	GOOD RETURNS THROUGHOUT
11/04/2012 09:07		Bump Plug	3				1490.0	PLUG LANDED AT 1490 PSI AND BROUGHT TO 2500 PSI. HELD FOR 3 MIN. WATER SPACER TO SURFACE AT 107 BBLS INTO 117 TOTAL BBLS TOTAL DISPLACEMENT. 10 BBLS WATER SPACER TO SURFACE.
11/04/2012 09:11		Check Floats						FLOATS HELD
11/04/2012 09:17		End Job						

The Road to Excellence Starts with Safety

Sold To #: 359915	Ship To #: 2961315	Quote #:	Sales Order #: 9942640
Customer: SYNERGY RESOURCES CORPORATION		Customer Rep: Montoya, Chris	
Well Name: Avex		Well #: 35D	API/UWI #: 05-069-06641
Field: WATTENBERG	City (SAP): JOHNSTOWN	County/Parish: Weld	State: Colorado
Lat: N 40.353 deg. OR N 40 deg. 21 min. 12.049 secs.		Long: W 104.969 deg. OR W -105 deg. 1 min. 50.124 secs.	
Contractor: Midcontinent		Rig/Platform Name/Num: 226	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: AARON, WESLEY	Srvc Supervisor: FANTASIA, JOSEPH		MBU ID Emp #: 485445

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
EDWARDS, MICHEAL H	5.0	522592	FANTASIA, JOSEPH Brandon	5.0	485445	MARKOVICH, STEVEN Michael	5.0	502964
RICHEY, JESSICA L	5.0	525703	SMITH, AARON David	5.0	518187			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857012C	30 mile	11064046C	30 mile	11410470C	30 mile	11527037	30 mile
11562546C	30 mile	11566182	30 mile	12010169	30 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	04 - Nov - 2012	02:30 MST
Form Type		BHST			On Location	04 - Nov - 2012	05:30 MST
Job depth MD	7599. ft	Job Depth TVD	7599. ft		Job Started	04 - Nov - 2012	07:20 MST
Water Depth		Wk Ht Above Floor			Job Completed	04 - Nov - 2012	09:15 MST
Perforation Depth (MD)	From		To		Departed Loc	04 - Nov - 2012	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				605.	7620.	.	.
Production Casing	Unknown		4.5	4.	11.6			.	7599.	.	7599.
Surface Casing	Unknown		8.625	8.097	24.			.	605.	.	605.

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	MUD FLUSH III	MUD FLUSH III - SBM (528788)			24.00	bbl	8.4	.0	.0	.0				
2	EXTENDACEM B1	EXTENDACEM (TM) SYSTEM (452981)			560.0	sacks	11.5	2.3	12.93		12.93			
12.93 Gal		FRESH WATER												
3	FracCem B2	FRACCEM (TM) SYSTEM (452963)			200.0	sacks	13.5	1.74	8.3		8.3			
8.3 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	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									

