

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

Avex
Avex 21-2D

Midcontinent/226

Post Job Summary
Cement Production Casing

Date Prepared: 10/16/2012
Version: 1

Service Supervisor: SNYDER, JONATHAN

Submitted by: MCKAY, ADAM

HALLIBURTON

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Wellbore Geometry

Job Tubulars					MD		Excess %	Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft		
Casing	Production Casing	4.50	4.000	11.60	0.00	7,805.00		24.00
Open Hole Section	Open Hole		7.875		604.00	7,821.00		
Casing	Surface Casing	8.63	8.097	24.00	0.00	604.00		

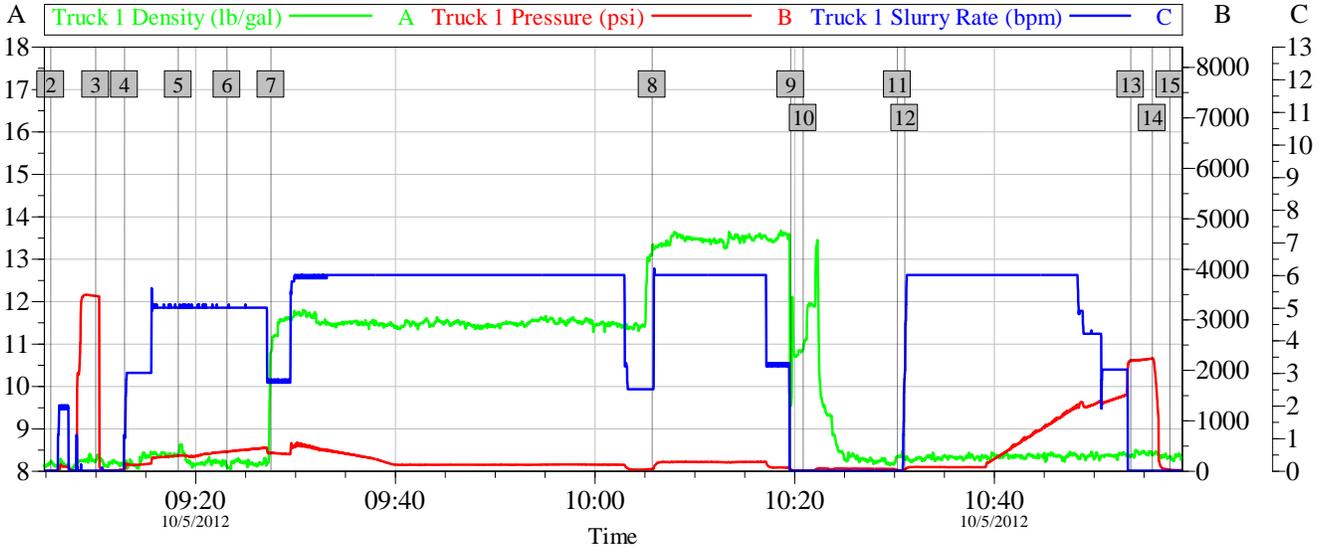
Pumping Schedule

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	5.00	24.0 bbl	24.0 bbl
1	2	Cement Slurry	EXTENDACEM B1	11.50	6.00	495.0 sacks	495.0 sacks
1	3	Cement Slurry	FracCem B2	13.50	6.00	245.0 sacks	245.0 sacks

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Data Acquisition

SYNERGY AVEX 21-2D
S.O.# 9861037 4.5" PRODUCTION



Global Event Log					
Intersection		T1D	T1P	Intersection	T1D T1P
2	Start Job	09:05:32	8.203 1.000	3	Test Lines 09:10:03 8.209 3460
4	Pump Water Spacer	09:12:56	8.101 27.96	5	Pump Mud Flush III Spacer 09:18:19 8.372 298.0
6	Pump Water Spacer	09:23:11	8.096 377.6	7	Pump Lead Cement @ 11.5# 09:27:36 10.79 353.0
8	Pump Tail Cement @ 13.5#	10:05:47	13.14 34.00	9	Shutdown 10:19:40 9.533 25.81
10	Clean Lines	10:20:55	10.86 4.000	11	Drop Top Plug 10:30:21 8.330 14.11
12	Pump Displacement	10:31:05	8.300 27.00	13	Bump Plug 10:53:43 8.350 2183
14	Check Floats	10:55:53	8.374 2223	15	End Job 10:57:39 8.324 19.63

Customer: SYNERGY	Job Date: 05-Oct-2012	Sales Order #: 9861037
Well Description: 4.5" PRODUCTION	UWI: 05-123-35224-00	
SERVICE SUPERVISOR JONATHAN SNYDER	SERVICE OPERATOR JAMES WILEY	

OptiCem v6.4.10
05-Oct-12 11:08

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
10/05/2012 06:30		Arrive at Location from Service Center					ARRIVED AND CONDUCTED A HAZARD HUNT AND FOUND NO HAZARDS THAT CONFLICT WITH US RIGGING UP EQUIPMENT.
10/05/2012 08:30		Pre-Job Safety Meeting					HELD SAFETY MEETING WITH ALL EMPLOYEES AND ALL THIRD PARTY PERSONEL PRIOR TO PUMPING THE CEMENT JOB.
10/05/2012 09:05		Start Job					
10/05/2012 09:10		Test Lines					PRESSURE TEST LINES TO 3779 PSI
10/05/2012 09:12		Pump Spacer 1	5	20		257.0	RIG WATER MIXED W/ CLAYWEB III
10/05/2012 09:18		Pump Spacer 2	5	24		330.0	RIG WATER MIXED W/ MUD FLUSH III
10/05/2012 09:23		Pump Spacer 1	5	20		418.0	RIG WATER MIXED W/ CLAYWEB III
10/05/2012 09:27		Pump Lead Cement	6	202		125.0	495 SKS EXTENDACEM B1 MIXED @ 11.5 PPG W/ RIG WATER
10/05/2012 10:05		Pump Tail Cement	6	76		175.0	245 SKS FRACCEM CEMENT MIXED @ 13.5 PPG W/ RIG WATER
10/05/2012 10:19		Shutdown					
10/05/2012 10:20		Clean Lines					
10/05/2012 10:30		Drop Top Plug					PLUG PRELOADED, DROPPED PLUG WHILE OPERATOR WAS CLEANING PUMPS AND LINES
10/05/2012 10:31		Pump Displacement	6	121		948.0	RIG WATER MIXED W/ CLAYWEB III
10/05/2012 10:53		Bump Plug	3			1508.0	
10/05/2012 10:55		Check Floats				2223.0	FLOATS HELD, GOOD RETURNS THROUGHOUT THE JOB
10/05/2012 10:57		End Job					
10/05/2012 11:00		Pre-Rig Down Safety Meeting					HELD SAFETY MEETING WITH ALL EMPLOYEES PRIOR TO RIGGING DOWN AND DISCUSSED ALL HAZARDS WHILE RIGGING DOWN EQUIPMENT.
10/05/2012 12:00		Depart Location for Service Center or Other Site					HELD SAFETY MEETING PRIOR TO LEAVING LOCATION AND DISCUSSED ALL POTENTIAL HAZARDS WHILE DRIVING BACK TO THE SERVICE CENTER.

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 359915	Ship To #: 2953754	Quote #:	Sales Order #: 9861037
Customer: SYNERGY RESOURCES CORPORATION		Customer Rep: Weitzel, Craig	
Well Name: Avex		Well #: 21-2D	API/UWI #: 05-123-35224-00
Field: WATTENBERG	City (SAP): JOHNSTOWN	County/Parish: Weld	State: Colorado
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: SNYDER, JONATHAN	MBU ID Emp #: 435616

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BAMMER, JORDAN Blaine	5.5	526575	BELL, ROBERT Preston	5.5	437060	SMITH, AARON David	5.5	518187
SNYDER, JONATHAN Leroy	5.5	435616	WILEY, JAMES A	5.5	440080			

Equipment

HES Unit #	Distance-1 way						
10248062C	32 mile	11362287C	32 mile	11518548	32 mile	11562546C	32 mile
11566182	32 mile	11748359	32 mile	NA	32 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	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					05 - Oct - 2012	03:00	MST
Form Type			BHST	On Location	05 - Oct - 2012	06:30	MST
Job depth MD	7805. ft		Job Depth TVD	8161. ft	Job Started	05 - Oct - 2012	09:05
Water Depth			Wk Ht Above Floor	4. ft	Job Completed	05 - Oct - 2012	10:57
Perforation Depth (MD)	From		To		Departed Loc	05 - Oct - 2012	12:00

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				604.	7821.	.	.
Production Casing	Unknown		4.5	4.	11.6			.	7805.	.	.
Surface Casing	Unknown		8.625	8.097	24.			.	604.	.	.

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

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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	MUD FLUSH III	MUD FLUSH III - SBM (528788)	24.00	bbl	8.4					
2	EXTENDACEM B1	EXTENDACEM (TM) SYSTEM (452981)	495.0	sacks	11.5	2.3	12.95		12.95	
0.2 %		SUPER CBL, 50 LB PAIL (100003668)								
12.95 Gal		FRESH WATER								
3	FracCem B2	FRACCEN (TM) SYSTEM (452963)	245.0	sacks	13.5	1.74	8.29		8.29	
8.289 Gal		FRESH WATER								
Calculated Values			Pressures			Volumes				
<i>Displacement</i>		Shut In: Instant		Lost Returns		<i>Cement Slurry</i>		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
<i>Circulating</i>			<i>Mixing</i>			<i>Displacement</i>			Avg. Job	
<i>Cement Left In Pipe</i>		Amount	24 ft	<i>Reason</i>	Shoe Joint					
<i>Frac Ring # 1 @</i>	<i>ID</i>	<i>Frac ring # 2 @</i>	<i>ID</i>	<i>Frac Ring # 3 @</i>	<i>ID</i>	<i>Frac Ring # 4 @</i>	<i>ID</i>			
<i>The Information Stated Herein Is Correct</i>				Customer Representative Signature						