

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

Olson 41-3

Ensign/226

Post Job Summary

Cement Production Casing

Date Prepared: 09/04/2012
Version: 1

Service Supervisor: SNYDER, JONATHAN

Submitted by: PLIENESS, RYAN

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	7,704.00	0.00	0.00		18.00
Open Hole Section	Open Hole		7.875		1,023.00	7,719.00	0.00	0.00		
Casing	Surface Casing	8.63	8.097	24.00	0.00	1,023.00	0.00	0.00		

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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		24.0 bbl	24.0 bbl
1	2	Cement Slurry	EXTENDACEM B1	11.50		500.0 sacks	500.0 sacks
1	3	Cement Slurry	FracCem B2	13.50		255.0 sacks	255.0 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

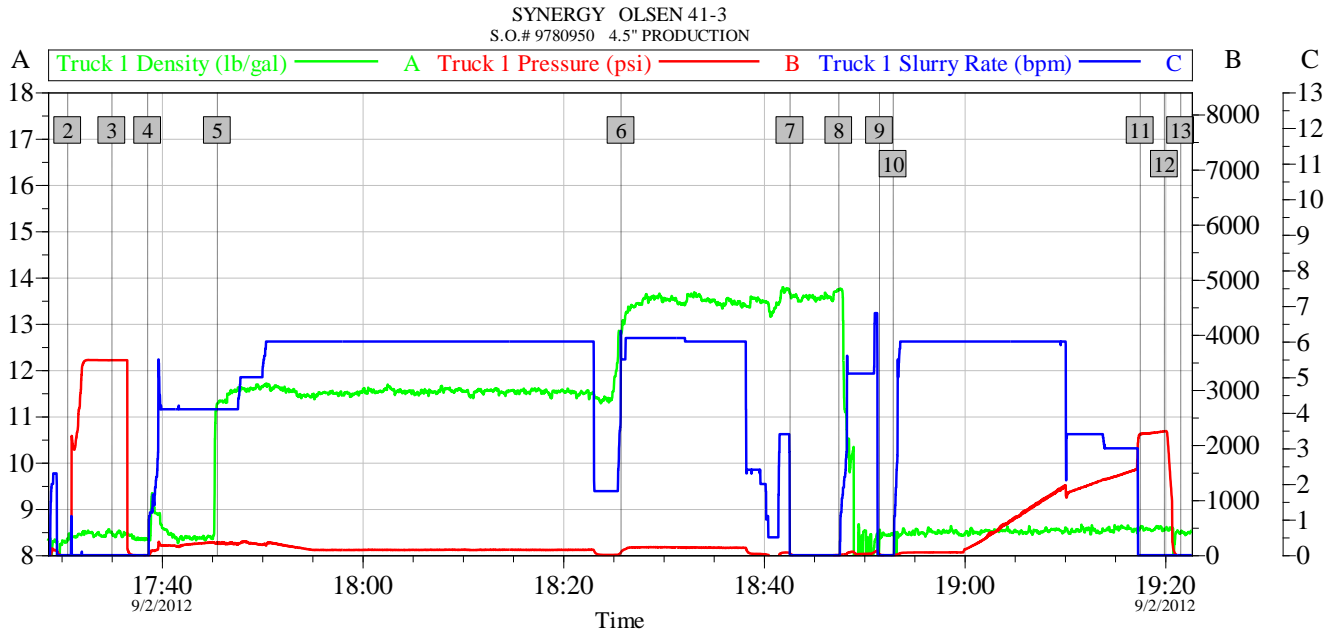
Fluid Weight: 11.50 lbm/gal
Slurry Yield: 2.30 ft³/sack
Total Mixing Fluid: 12.94 Gal
Surface Volume: 500.0 sacks
Sacks: 500.0 sacks

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: 8.29 Gal
Surface Volume: 255.0 sacks
Sacks: 255.0 sacks

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Data Acquisition



Global Event Log					
Intersection		T1D	T1P	Intersection	T1D T1P
2 Start Job	17:30:38	8.368	-3.000	3 Test Lines	17:35:02 8.482 3538
4 Pump Spacer 1	17:38:36	8.340	-1.000	5 Pump Lead Cement @ 11.5 #	17:45:33 11.28 234.0
6 Pump Tail Cement @ 13.5 #	18:25:47	12.77	56.06	7 Shutdown	18:42:37 13.65 30.58
8 Clean Lines	18:47:29	13.74	3.000	9 Drop Top Plug	18:51:32 8.503 16.77
10 Pump Displacement	18:52:54	8.440	-1.000	11 Bump Plug	19:17:31 8.580 2195
12 Check Floats	19:19:56	8.536	2249	13 End Job	19:21:33 8.498 -6.000

Customer: SYNERGY	Job Date: 02-Sep-2012	Sales Order #: 9780950
Well Description: 4.5" PRODUCTION	UWI: 05-123-35924	
SERVICE SUPERVISOR JONATHAN SNYDER	SERVICE OPERATOR JAMES WILEY	

OptiCem v6.4.10
02-Sep-12 19:26

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
09/02/2012 11:48		Arrive at Location from Service Center						ARRIVED AND CONDUCTED A HAZARD HUNT AND FOUND NO HAZARDS THAT CONFLICT WITH US RIGGING UP EQUIPMENT.
09/02/2012 11:48		Pre-Job Safety Meeting						HELD SAFETY MEETING WITH ALL EMPLOYEES AND ALL THIRD PARTY PERSONEL PRIOR TO PUMPING THE CEMENT JOB.
09/02/2012 11:48		Start Job						
09/02/2012 11:48		Test Lines						PRESSURE TEST LINES TO 33543 PSI
09/02/2012 11:48		Pump Spacer 1	4	24			180.0	RIG WATER MIXED W/ MUDFLUSH III
09/02/2012 11:48		Pump Lead Cement	6	204			96.0	500 SKS EXTENDACEM B1 MIXED @ 11.5 PPG W/ RIG WATER
09/02/2012 11:48		Pump Tail Cement	6	79			132.0	255 SKS FRACCEM CEMENT MIXED @ 13.5 PPG W/ RIG WATER
09/02/2012 11:48		Shutdown						
09/02/2012 11:48		Clean Lines						
09/02/2012 11:48		Drop Top Plug						DROPPED PLUG WHILE OPERATOR WAS CLEANING PUMPS AND LINES
09/02/2012 11:48		Pump Displacement	6	119			745.0	RIG WATER MIXED W/ CLAY-WEB III
09/02/2012 11:48		Bump Plug	3				1548.0	
09/02/2012 11:48		Check Floats					2249.0	FLOATS HELD, GOOD RETURNS THROUGHOUT THE JOB. WE GOT 1 BBL OF WATER BACK IN THE DISPLACEMENT TANKS WHEN WE CHECKED FLOATS.
09/02/2012 11:48		End Job						
09/02/2012 11:48		Pre-Rig Down Safety Meeting						HELD SAFETY MEETING WITH ALL EMPLOYEES PRIOR TO RIGGING DOWN AND DISCUSSED ALL HAZARDS WHILE RIGGING DOWN EQUIPMENT.
09/02/2012 11:48		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.

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The Road to Excellence Starts with Safety

Sold To #: 359915		Ship To #: 2948752		Quote #:		Sales Order #: 9790950	
Customer: SYNERGY RESOURCES CORPORATION				Customer Rep: WEITZEL, C.			
Well Name: Olson			Well #: 41-3			API/UWI #: 05-123-35924	
Field: WATTENBERG		City (SAP): MEAD		County/Parish: Weld		State: Colorado	
Lat: N 40.261 deg. OR N 40 deg. 15 min. 37.976 secs.				Long: W 104.983 deg. OR W -105 deg. 1 min. 2.665 secs.			
Contractor: Ensign			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 #
BARNES, BRIAN L	7.0	485204	BROOM, KENDALL L	7.0	524682	DIGIACOMO, ASHLEY	7.0	525927
DODSON, RICHARD Bryan	7.0	518192	SNYDER, JONATHAN Leroy	7.0	435616	WILEY, JAMES A	7.0	440080

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867419C	26 mile	10972458	26 mile	10977079C	26 mile	11036301	26 mile
11362287C	26 mile	11518548	26 mile	11764739	26 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	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	7704. ft	8025. ft	4. ft					02 - Sep - 2012	09:00	MST
											On Location	02 - Sep - 2012	13:00	MST
											Job Started	02 - Sep - 2012	17:30	MST
											Job Completed	02 - Sep - 2012	19:21	MST
											Departed Loc	02 - Sep - 2012	20:00	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				7.875				1023.	7719.	.	.
Production Casing	Unknown		4.5	4.	11.6			.	7704.	.	.
Surface Casing	Unknown		8.625	8.097	24.			.	1023.	.	.

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CENTRALIZER ASSY - API - 4-1/2 CSG X	35	EA		
CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA		
KIT,HALL WELD-A	1	EA		
Description	Qty	Qty uom	Depth	Supplier
PLUG SET - FREE FALL - 4-1/2 8RD &	1	EA		
SHOE-FLT- 4 1/2 8RD - HI-PORT	1	EA		

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ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON										60	MI		
MILEAGE FOR CEMENTING CREW,ZI										60	MI		
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)			500.0	sacks	11.5	2.3	12.94		12.94		
	12.942 Gal	FRESH WATER											
3	FracCem B2	FRACCEM (TM) SYSTEM (452963)			255.0	sacks	13.5	1.74	8.29		8.29		
	8.289 Gal	FRESH WATER											
Calculated Values				Pressures				Volumes					
Displacement				Shut In: Instant				Lost Returns				Cement Slurry	
Top Of Cement				5 Min				Cement Returns				Actual Displacement	
Frac Gradient				15 Min				Spacers				Load and Breakdown	
Rates													
Circulating				Mixing				Displacement				Avg. Job	
Cement Left In Pipe		Amount		18 ft		Reason		Shoe Joint					
Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @	
The Information Stated Herein Is Correct							Customer Representative Signature						