

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

Olson
Olson 32-3D

Ensign/226

Post Job Summary **Cement Production Casing**

Date Prepared: 12/08/2012
Version: 1

Service Supervisor: CLEMONS, WILLIAM

Submitted by: MCKAY, ADAM

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Wellbore Geometry

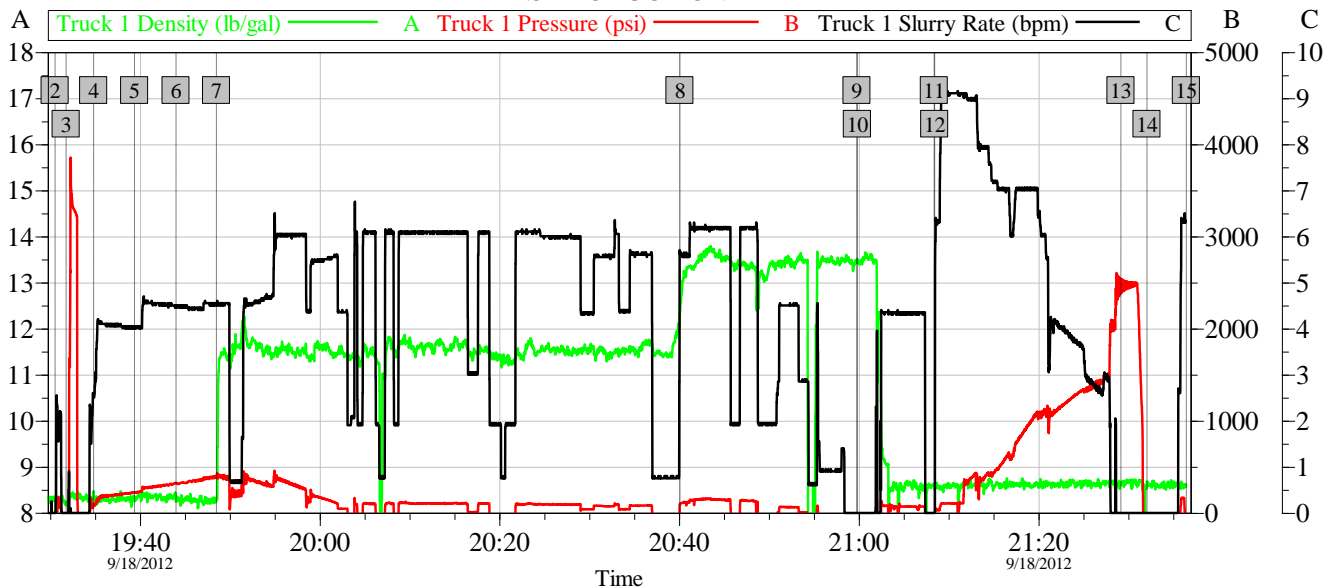
Job Tubulars					MD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	
Casing	Production Casing	4.50	4.000	11.60	0.00	7,947.00	18.00
Open Hole Section	Open Hole		7.875		1,024.00	8,339.00	
Casing	Surface Casing	8.63	8.097	24.00	0.00	1,024.00	

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	560.0 sacks	560.0 sacks
1	3	Cement Slurry	FracCem B2	13.50	6.00	215.0 sacks	215.0 sacks

Data Acquisition

SYNERGY OLSON 32-3D 4.5 PRODUCTION



Global Event Log								
Intersection		T1P	Intersection		T1P	Intersection		T1P
1	Starting Job	18:27:54 -34.03	2	Start Job	19:30:32 -10.69	3	Test Lines	19:31:46 -2.917
4	Pump Spacer 1	19:34:50 93.81	5	Pump Spacer 2	19:39:23 221.3	6	Pump Spacer 1	19:44:00 325.6
7	Pump Spacer 2	19:48:30 384.9	8	Pump Tail Cement	20:40:05 93.95	9	Shutdown	20:59:47 -38.89
10	Clean Lines	20:59:50 -38.89	11	Drop Top Plug	21:08:23 -34.09	12	Pump Displacement	21:08:26 -34.12
13	Bump Plug	21:29:10 2517	14	End Job	21:32:04 -17.76	15	Ending Job	21:36:26 -5.833

Customer:	SYNERGY	Job Date:	18-Sep-2012	Sales Order #:	9820615
Well Description:	PRODUCTION	UWI:	05-123-35922-00	ENSIGN	226
SERVICE SUPERVISOR	BRANDON NIELSON	OPERATOR	KEVIN BOURGEOIS	PUMP	10824253

OptiCem v6.4.10
18-Sep-12 21:39

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
09/18/2012 19:31		Test Lines	1	2		.0	PSI TEST TO 3500
09/18/2012 19:34		Pump Spacer 1	4	18		230.0	H2O SPACER
09/18/2012 19:39		Pump Spacer 2	4	20		287.0	MUD FLUSH SPACER
09/18/2012 19:44		Pump Spacer 1	4	20		356.0	H2O SPACER
09/18/2012 19:48		Pump Lead Cement	6	229		88.0	MIX & PUMP 560 SACKS AT 11.5 PPG WITH RIG H2O
09/18/2012 20:40		Pump Tail Cement	6	67		93.0	MIX & PUMP 215 SACKS AT 13.5 PPG WITH RIG H2O
09/18/2012 20:59		Shutdown					
09/18/2012 20:59		Clean Lines					18 BBLS H2O PER CoMan
09/18/2012 21:08		Drop Top Plug					REMOVED CAP & DROPPED PLUG WITNESSED BY CoMan
09/18/2012 21:08		Pump Displacement	6	123		760.0	DISPLACED WITH RIG H2O WITH FULL RETURNS THROUGHOUT DISPLACEMENT AND 0 CEMENT TO SURFACE
09/18/2012 21:29		Bump Plug				1600.0	CALCULATED PSI TO LAND 1373 BROUGHT UPTO 2500 PER CoMan
09/18/2012 21:32		Check Floats				2502.0	FLOATS HELD WITH 1 BBL BACK TO TRUCK
09/18/2012 21:36		End Job					JOB SUCCESSFULLY PUMPED NO IRREGULARITIES

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The Road to Excellence Starts with Safety

Sold To #: 359915	Ship To #: 2951344	Quote #:	Sales Order #: 9820615
Customer: SYNERGY RESOURCES CORPORATION		Customer Rep: Weitzel, Charlie	
Well Name: Olson		Well #: 32-3D	API/UWI #: 05-123-35922-00
Field: WATTENBERG	City (SAP): MEAD	County/Parish: Weld	State: Colorado
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: CLEMONS, WILLIAM	MBU ID Emp #: 407973

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	BOURGEOIS, KEVIN Paul	0.0	459092	BURGESS, CODY Alan	0.0	511446
CLEMONS, WILLIAM Edward	0.0	407973	JEWELL, WILLIAM Uris	0.0	503358	NIELSON, BRANDON K	0.0	479703

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248053C	25 mile	10824253C	25 mile	10951212	25 mile	11036295C	25 mile
11142999	25 mile	11748359	25 mile	NA	25 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
					18 - Sep - 2012	14:00	MST
Form Type			BHST	On Location	18 - Sep - 2012	17:00	MST
Job depth MD	7947. ft		Job Depth TVD	7947. ft	Job Started	18 - Sep - 2012	19:30
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	18 - Sep - 2012	21:37
Perforation Depth (MD)	From		To		Departed Loc	18 - Sep - 2012	22:37

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				1024.	8339.	.	.
Production Casing	Unknown		4.5	4.	11.6			.	7947.	.	.
Surface Casing	Unknown		8.625	8.097	24.			.	1024.	.	.

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	.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)	215.0	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		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	18 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						