

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

PHELPS 11-32CHZ

Ensign Drilling 17

Post Job Summary

Cement Production Liner

Date Prepared: 3/13/2014
Version: 1

Service Supervisor: FANTASIA, JOSEPH

Submitted by: PRUDHOMME, JOSHUA

HALLIBURTON

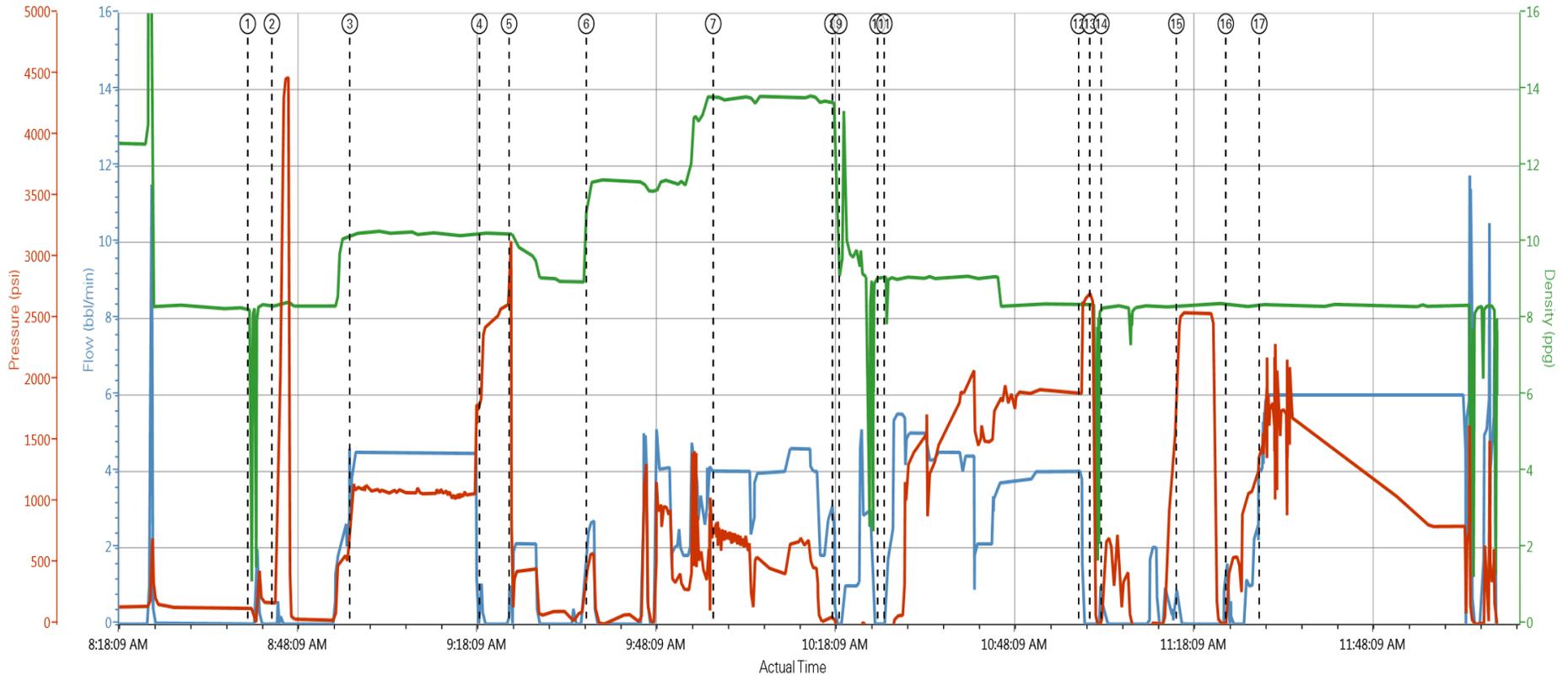
Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Tuned Spacer III	11.5	3.0	30.0 bbl	30.0 bbl
1	2	Cement Slurry	ExpandaCem B2	13.8	4.0	305.0 sacks	305.0 sacks

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Data Acquisition

SYNERGY PHELPS 11-32CHZ LINER



Comb Pump Rate (bbl/min) DH Density (ppg) PS Pump Press (psi)

- ① Start Job 0,2,1;131 ④ Ball on Seat 0,7,10,2;2139 ⑦ Pump Cement 4,13,78;825 ⑩ Drop Top Plug 0,9,06;-63 ⑬ Check Floats 0,8,38;2691 ⑯ Pressure Up DP 600 0,4,8,33;309
- ② Test Lines 0,8,36;174 ⑤ Ball Out 1,10,21;741 ⑧ Shutdown 0,13,39;8 ⑪ Pump Displacement 1,6,8,59;-23 ⑭ Pressure Up DP 600 0,4,8,28;415 ⑰ Circulate Well 4,8,34;1399
- ③ Pump Balls to Seat 4,10,13;910 ⑥ Pump Spacer 1,2,7,11,11;524 ⑨ Clean Lines 0,9,52;-59 ⑫ Bump Plug 4,8,35;1890 ⑮ Pressure Test Backside 0,5,8,36;2419

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
02/28/2014 05:30		Arrive at Location from Service Center					RIG STILL RUNNING DRILL PIPE.
02/28/2014 05:45		Assessment Of Location Safety Meeting					REVIEW 3RD PARTY ACTIVITIES, HAZARD HUNT
02/28/2014 06:00		Rig-Up Equipment					RIG UP
02/28/2014 08:30		Start Job					PERFROM REJOB SAFETY MEETING WITH ALL PRESENT PERSONELL.
02/28/2014 08:44		Test Lines				4450.0	PRESSURE TEST LINES TO 4500 PSI.
02/28/2014 08:57		Pump Ball	4	100		700.0	PUMP BALLS TO TOE SEAT USING RIG MUD KICK OUTS SET AT 1500 PSI.
02/28/2014 09:18		Ball on Seat				1680.0	KICKED OUT 1500 PSI. SHUT DOWN ONCE BALL ON SEAT.
02/28/2014 09:19		Pressure Up				2300.0	PRESSURE UP TO 2300 PSI TO SET HANGER
02/28/2014 09:20		Shutdown					HOLD 2300 PSI WHILE 3RD PARTY CONFIRMS TOOL IS SET.
02/28/2014 09:23		Pressure Up				3500.0	PRESSURE UP TO 3400 PSI TO PUSH BALL THROUGH SEAT
02/28/2014 09:36		Pump Spacer 1	3	30		972.0	30 BBLS TUNED SPACER MIXED AT 11.5 PPG USING RIG WATER
02/28/2014 09:58		Pump Cement	4	91		400.0	305 SKS EXPANDACEM MIXED AT 13.8 PPG USING RIG WATER
02/28/2014 10:18		Shutdown					
02/28/2014 10:19		Clean Lines					CLEAN LINES TO PIT.
02/28/2014 10:25		Drop Top Plug					3RD PARTY DROPS TOP PLUG
02/28/2014 10:26		Pump Displacement	4	130		1880.0	PUMP WATER DIPLACEMENT WITH 15 GAL CLAYWEB ADDED. GOOD RETURNS THROUGHOUT.
02/28/2014 10:59		Bump Plug	3			1890.0	PLUG LANDED AT 1890 PSI. PRESSURE BROUGHT TO 2300 PSI AND HELD 2 MIN.
02/28/2014 11:01		Check Floats					FLOATS HELD. 1.5 BBLS BACK.
02/28/2014 11:03		Pressure Up				600.0	PRESSURE UP TO 600 WHILE 3RD PARTY SETS PACKER.
02/28/2014 11:15		Pressure Test				2548.0	PRESSURE TEST BACKSIDE TO 2500 PSI FOR 5 MIN. PRESSURE DROPPED 5 PSI TO 2543.
02/28/2014 11:23		Pressure Up				550.0	PRESSURE UP ON DRILL PIPE TO 600 PSI WHILE 3RD PARTY STINGS OUT OF HANGER.
02/28/2014 11:30		Circulate Well	6	200		1260.0	CIRCULATE ON TOP OF HANGER UNTIL CLEAN. NO SPACER OR CEMENT TO SURFACE.
02/28/2014 13:30		End Job					

The Road to Excellence Starts with Safety

Sold To #: 359915		Ship To #: 3117316		Quote #:		Sales Order #: 901157044	
Customer: SYNERGY RESOURCES CORPORATION				Customer Rep: 17, Ensign			
Well Name: PHELPS			Well #: 11-32CHZ		API/UWI #: 05-123-37684		
Field: WATTENBERG		City (SAP): LOCHBUIE		County/Parish: Weld		State: Colorado	
Lat: N 40.01 deg. OR N 40 deg. 0 min. 36 secs.				Long: W 104.792 deg. OR W -105 deg. 12 min. 28.8 secs.			
Contractor: Ensign Drilling			Rig/Platform Name/Num: Ensign 17				
Job Purpose: Cement Production Liner							
Well Type: Development Well				Job Type: Cement Production Liner			
Sales Person: MANLEY, TREVOR			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 #
DA COSTA, CHARLES Angelo	8.0	551308	FANTASIA, JOSEPH Brandon	8.0	485445	MARKOVICH, STEVEN Michael	8.0	502964
TAUILILI, SAIAIGA	8.0	545471						

Equipment

HES Unit #	Distance-1 way						

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)				28 - Feb - 2014	02:00	MST
Form Type		BHST	On Location	28 - Feb - 2014	05:30	MST
Job depth MD	12292. ft	Job Depth TVD	7615. ft	Job Started	28 - Feb - 2014	08:00
Water Depth		Wk Ht Above Floor		Job Completed	28 - Feb - 2014	13:00
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	28 - Feb - 2014	13:30	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

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		
PLUG SET - FREE FALL - 4-1/2 8RD &	1	EA		
SHOE-FLT- 4 1/2 8RD - HI-PORT	1	EA		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	60	MI		
MILEAGE FOR CEMENTING CREW,ZI	60	MI		

Fluid Data									
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	Tuned Spacer III	MUD FLUSH III - SBM (528788)	30.00	bbl	11.5	7.21	53.96	3.0	
	42 gal/bbl	FRESH WATER							
2	ExpandaCem B2	EXPANDACEM (TM) SYSTEM (452979)	305.0	sacks	13.8	1.68	7.73	4.0	7.73
	7.73 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	130.0	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	0 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					

