

**ENSIGN UNITED STATES DRILLING EBUSI
PO BOX 17805 - DO NOT MAIL
DENVER, Colorado**

SRC Leffler 14-26NHZ

Ensign 17

Post Job Summary **Cement Surface Casing**

Date Prepared: 11/4/2013
Version: 1

Service Supervisor: BARRAS, JOSEPH

Submitted by: ESTENSSORO, SEBASTIAN

HALLIBURTON

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD	
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft
Open Hole Section	Open Hole		13.500		0.00	586.00
Casing	Surface Casing	9.63	8.921	36.00	0.00	586.00

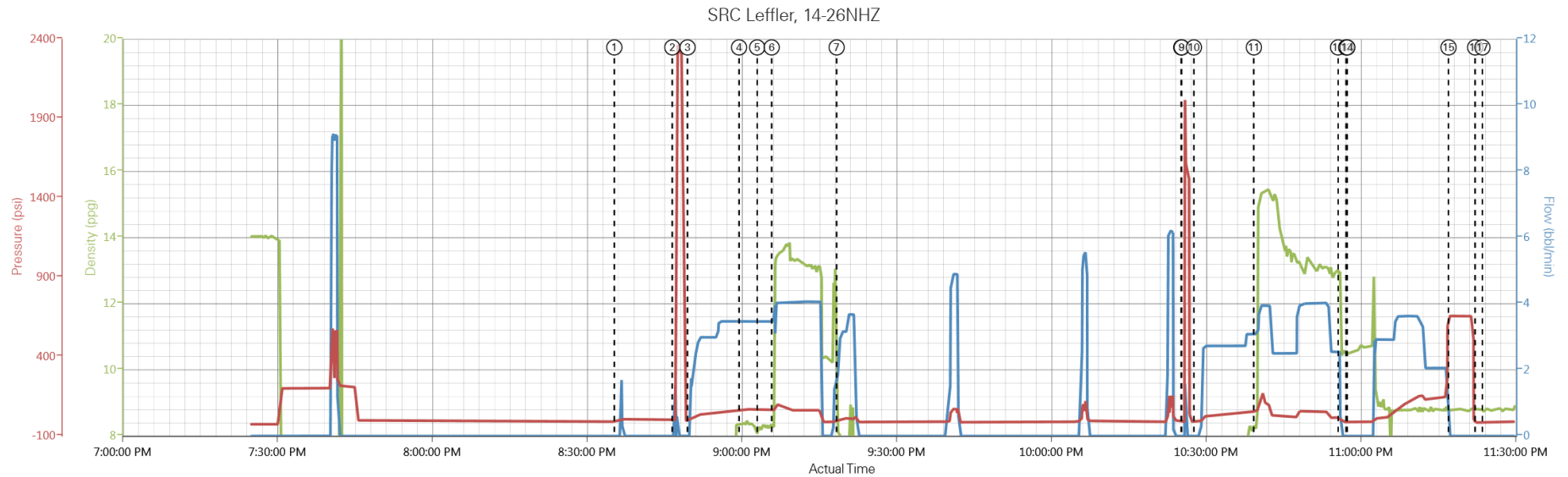
HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	4.00	30.0 bbl	30.0 bbl
1	2	Cement Slurry	SwiftCem B2	13.40	4.00	220.0 sacks	220.0 sacks
1	3	Spacer	Displacement	8.33	4.00	42.0 bbl	42.0 bbl

HALLIBURTON

Data Acquisition



			Cement Density (ppg)			Comb Pump Rate (bbl/min)			DS Pump Press (psi)		
<div></div>											
① Start Job 2.06;0;-10.75	④ Pump Spacer 2 8.36;3.45;62.53	⑦ Other 8.02;1.85;-4.89	⑩ Pump Spacer 1 7.79;0;-11.73	⑬ Shutdown 10.48;0;-11.73	⑯ End Job 8.78;0;-13.68						
② Test Lines -2.14;0;2.93	⑤ Pump Spacer 1 8.27;3.45;63.51	⑧ Start Job 7.73;0;-8.79	⑪ Pump Cement 8.24;3.1;55.7	⑭ Drop Top Plug 10.56;0;-11.73	⑰ End Job 8.78;0;-9.77						
③ Pump Spacer 1 -2.12;0;-4.89	⑥ Pump Cement 8.99;3.45;60.58	⑨ Test Lines 7.77;0;-9.77	⑫ Shutdown 10.39;0;-10.75	⑮ Bump Plug 8.72;0;652.71							

▲ HALLIBURTON | iCem® Service

Created: 2013-10-21 19:22:57, Version: 2.0.606

Edit

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
10/21/2013 17:30		Arrive at Location from Service Center						rig still running casing
10/21/2013 18:50		Rig-Up Equipment						rigging up HES trucks
10/21/2013 19:30		Rig-Up Completed						
10/21/2013 20:00		Safety Meeting - Pre Job						with HES and rig crew
10/21/2013 20:35		Start Job						
10/21/2013 20:46		Test Lines						test lines to 2000 psi noi visible leaks
10/21/2013 20:49		Pump Spacer 1	4	10			65.0	rig water
10/21/2013 20:59		Pump Spacer 2	5	12			65.0	rig water with mud flush
10/21/2013 21:03		Pump Spacer 1	4	10			68.0	rig water
10/21/2013 21:06		Pump Cement	5	30			105.0	mixed with rig water @ 13.4 ppg /220 sks of swiftcem 1.79 yield/ 9.51 gal/sk
10/21/2013 21:18		Shutdown						pumped 30 bbl of cement and noticed oil in the water shutdown to find problem rolled hole with rig pumps talked it ovr with companyman and decided to start cement job over with top out cement to replace used cement/.did not find containament.
10/21/2013 22:25		Start Job						water started coming in clean and went on with cement job.
10/21/2013 22:26		Test Lines						test lines to 2000 psi no visible leaks
10/21/2013 22:28		Pump Spacer 1	3	30			58.0	rig water
10/21/2013 22:39		Pump Lead Cement	4	20			123.0	mixed wit rig water @ 15.5 ppg 1.15 yield/4.99 gal/sk
10/21/2013 22:46		Pump Tail Cement	4	40			125.0	mixed with rig water @ 13.4 ppg 1.79 yield/ 9.51 gal/sk
10/21/2013 22:56		Shutdown						
10/21/2013 22:57		Drop Top Plug						preloaded and witnessed by companyman
10/21/2013 22:57		Pump Displacement	4	42			158.0	pumped rig water with cement to surface @ 31 bbl into displacing
10/21/2013 23:17		Bump Plug	2				630.0	
10/21/2013 23:21		Check Floats						floats held with 1 bbl back
10/21/2013 23:22		End Job						

The Road to Excellence Starts with Safety

Sold To #: 301256	Ship To #: 3178050	Quote #:	Sales Order #: 900837132
Customer: ENSIGN UNITED STATES DRILLING EBUSI		Customer Rep: Martinez, Mike	
Well Name: SRC Leffler		Well #: 14-26NHZ	API/UWI #: 05-123-37583
Field: EATON	City (SAP): EATON	County/Parish: Weld	State: Colorado
Lat: N 40.553 deg. OR N 40 deg. 33 min. 10.17 secs.		Long: W 104.751 deg. OR W -105 deg. 14 min. 57.109 secs.	
Contractor: Ensign		Rig/Platform Name/Num: Ensign 17	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: PLIENESS, RYAN		Srvc Supervisor: BARRAS, JOSEPH	MBU ID Emp #: 405168

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE	0.0	372277	BARRAS, JOSEPH Corey	0.0	405168			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10246780C	42 mile	10824253C	42 mile	10988836C	42 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

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Wk Ht Above Floor	Perforation Depth (MD)	From	To	Deparied Loc
				BHST	586. ft	586. ft	4. ft				

Job Times

Date	Time	Time Zone
21 - Oct - 2013	14:00	MST
21 - Oct - 2013	00:00	MST
21 - Oct - 2013	00:00	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				13.5				.	586.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	586.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	5	EA		
CLR,FLT,9-5/8 8RD 29.3-40PPF,2-3/4	1	EA		
SHOE,GID,9-5/8 8RD	1	EA		
KIT,HALL WELD-A	1	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
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	Fresh Water Spacer					30.0	bbl	8.33			4.0		
2	SwiftCem B2	SWIFTCEN (TM) SYSTEM (452990)				220.0	sacks	13.4	1.79	9.51	4.0	9.51	
	0.25 lbm	POLY-E-FLAKE (101216940)											
	9.51 Gal	FRESH WATER											
3	Displacement					42.0	bbl	8.33			4.0		
The Information Stated Herein Is Correct						Customer Representative Signature							

