

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

SRC Leffler 13-26NHZ

Ensign 17

Post Job Summary **Cement Surface Casing**

Date Prepared: October 10, 2013
Version: 1

Service Supervisor: LAVALLEY, LARRY

Submitted by: ESTENSSORO, SEBASTIAN

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	
Open Hole Section	Open Hole		13.500		0.00	588.00	
Casing	Surface Casing	9.63	8.921	36.00	0.00	588.00	46.00

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	5.00	10.0 bbl	10.0 bbl
1	2	Cement Slurry	SwiftCem B2	13.40	5.00	220.0 sacks	220.0 sacks
1	3	Spacer	Displacement	0.00	5.00	43.0 bbl	43.0 bbl
1	4	Cement Slurry	Top Out Cement	15.80	0.50	40.0 sacks	40.0 sacks

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
10/08/2013 02:00		Call Out					CREW CALLED AT 02:00 AM
10/08/2013 05:00		Arrive at Location from Service Center					
10/08/2013 05:05		Assessment Of Location Safety Meeting					HAZARD HUNT ON LOCATION
10/08/2013 05:10		Waiting - Arrived Early to Location - Start Time					WAIT ON RIG TO FINISH RUNNING CASING
10/08/2013 06:00		Waiting - Arrived Early to Location - End Time					RIG TURNED OVER TO HES TO RIG UP
10/08/2013 06:40		Wait on HES or HES Sub-Contractor Equipment - Star					AFTER RIGGING UP WENT TO PRIME UP AND FOUND THAT FLECS SCREEN FROZE, HAD TO ORDER ANOTHER PUMP TRUCK TO BE DELIVERED TO LOCATION.
10/08/2013 09:40		Wait on HES or HES Sub-Contractor Equipment - End					BACKED OTHER PUMP IN AND HOOKED UP AND STARTED JOB
10/08/2013 09:50		Safety Meeting - Pre Job					
10/08/2013 10:01		Start Job					
10/08/2013 10:02		Test Lines				1844.0	FRESH WATER WITH NO ADDITIVES
10/08/2013 10:10		Pump Spacer 2	5	10		12.0	FRESH WATER WITH NO ADDITIVES
10/08/2013 10:13		Pump Lead Cement	5	70		40.0	220 SKS SWIFTCM B2 MIXED @ 13.4 PPG YIELD 1.79 FT3/FT AND 9.51 GAL/SK. VERIFIED BY PRESSURIZED SCALES
10/08/2013 10:29		Shutdown					
10/08/2013 10:32		Drop Top Plug					HWE TOP PLUG NOT PRELOADED PUMPED THROUGH QUICK LATCH SWADGE
10/08/2013 10:35		Pump Displacement	5	43		225.0	FRESH WATER WITH NO ADDITIVES. CAUGHT CEMENT @ 12 BBLS AWAY AND SPACER RETURNED TO SURFACE @ 32 BBLS AWAY AND 10 BBLS CEMENT BACK TO SURFACE
10/08/2013 10:44		Bump Plug	3			801.0	CALCULATED PRESSURE TO LAND WAS 212 AND PRESSURE TO LIFT WAS 238 PSI
10/08/2013 10:50		Shutdown					
10/08/2013 10:53		Other	0.5	8			FLOATS HELD AND GOT .5 BBLS BACK. CO REP HAD US USE TOP OFF CEMENT TO FILL RAT HOLE ON BACKSIDE OF RIG. USED 40 SKS MIXED @ 15.8 PPG 1.15 YIELD AND 5.0 GAL/SK
10/08/2013 11:16		End Job					HELD SAFETY MEETING TO RIG DOWN AND DEPART LOCATION

The Road to Excellence Starts with Safety

Sold To #: 301256	Ship To #: 3110602	Quote #:	Sales Order #: 900806024
Customer: ENSIGN UNITED STATES DRILLING EBUSI		Customer Rep: Gentry, Ron	
Well Name: SRC Leffler		Well #: 13-26NHZ	API/UWI #:
Field: EATON	City (SAP): EATON	County/Parish: Weld	State: Colorado
Contractor: Ensign		Rig/Platform Name/Num: Ensign17	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CORONADO, EDI	0.0	123456	LAVALLEY, LARRY P	0.0	419296	NESBITT, ROY Iverson	0.0	537416
TORREY, SPENCER Kenneth	0.0	549837	WILEY, JAMES A	0.0	440080			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11064535	41 mile	11410470C	41 mile	11518549	41 mile	11667703C	41 mile
11748359	41 mile	NA	41 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	Water Depth	Perforation Depth (MD)	From	To
				BHST	588. ft				
					Job Depth TVD	588. ft			
					Wk Ht Above Floor	6. ft			
							Deparied Loc	08 - Oct - 2013	12:00

Job Times

Date	Time	Time Zone
08 - Oct - 2013	02:00	MST
08 - Oct - 2013	05:00	MST
08 - Oct - 2013	10:00	MST
08 - Oct - 2013	11:15	MST
08 - Oct - 2013	12:00	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				.	588.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	588.		

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				10.00	bbl	8.33			5.0			
2	SwiftCem B2	SWIFTCem (TM) SYSTEM (452990)			220.0	sacks	13.4	1.79	9.51	5.0	9.51		
	0.25 lbm	POLY-E-FLAKE (101216940)											
	9.51 Gal	FRESH WATER											
3	Displacement				43.00	bbl			42.0	5.0			
4	Top Out Cement	HALCEM (TM) SYSTEM (452986)			40.0	sacks	15.8	1.15	4.99	0.5	4.99		
	4.989 Gal	FRESH WATER											
The Information Stated Herein Is Correct						Customer Representative Signature							

