

**ENCANA OIL & GAS (USA) INC. - EBUS
DO NOT MAIL - 370 17TH ST STE 1700
DENVER, Colorado**

Frederiksen 1D-28H-A368

Ensign 135

Post Job Summary **Cement Surface Casing**

Date Prepared: 3/11/2014
Version: 1

Service Supervisor: NIELSON, BRANDON

Submitted by: ESTENSSORO, SEBASTIAN

HALLIBURTON

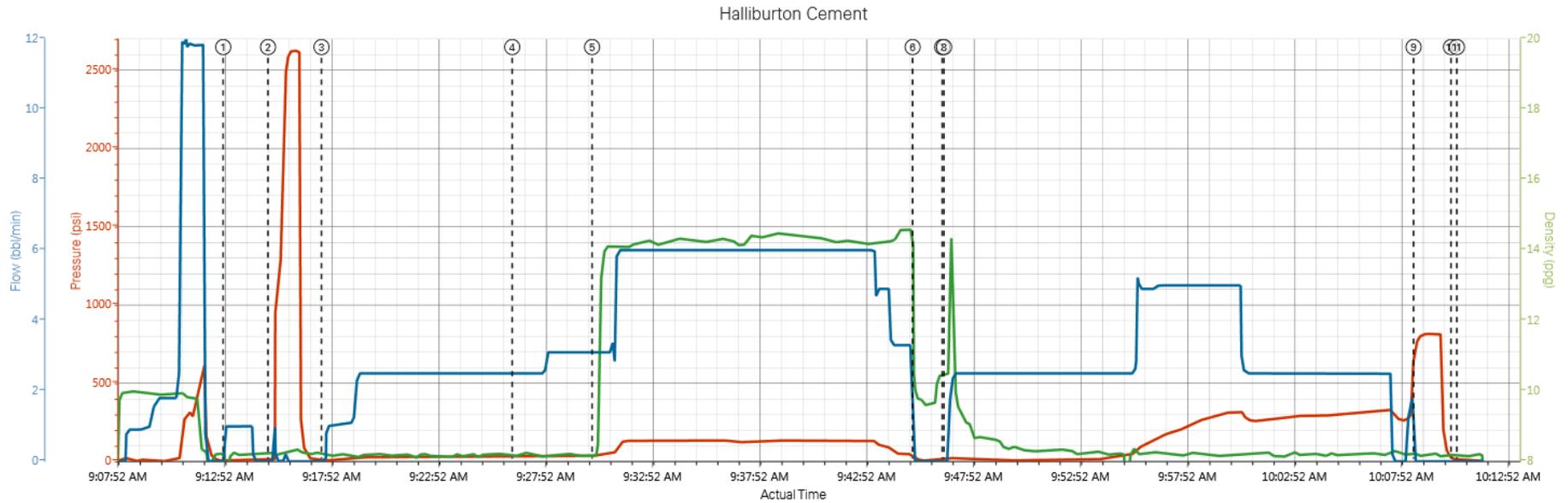
HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	WATER SPACER	8.34	3.00	30.0 bbl	30.0 bbl
1	2	Cement Slurry	SWIFTCEM	14.20	6.00	295.0 sacks	295.0 sacks

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Data Acquisition



- ① Start Job 4:4.49:1 ③ Pump Spacer 1 5:8.22:0 ⑤ Pump Cement 36:8.16:3.1 ⑦ Drop Top Plug 17:10.49:0 ⑨ Bump Plug 744:8.2:0 ⑪ End Job 6:8.17:0
- ② Test Lines 8:8.27:0 ④ Pump Spacer 2 28:8.17:2.5 ⑥ Shutdown 23:10.02:0 ⑧ Pump Displacement 18:10.48:0 ⑩ Other 16:8.2:0

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Created: 2014-03-04 06:22:08, Version: 3.0.121

Edit

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
03/04/2014 03:30		Call Out					CREW CALLED OUT WITH WITH A 3.5 HOUR ON LOCATION TIME.
03/04/2014 04:45		Crew Leave Yard					
03/04/2014 05:45		Arrive At Loc					
03/04/2014 06:00		Assessment Of Location Safety Meeting					RIG WAS JUST RIGGING UP THE CASING CREW
03/04/2014 06:00		Rig-Up Equipment					
03/04/2014 06:45		Rig-Up Completed					
03/04/2014 08:15		Casing on Bottom					
03/04/2014 08:45		Safety Meeting					JSA WITH ALL INVOLVED PERSONS
03/04/2014 09:12		Start Job					
03/04/2014 09:15		Test Lines					TESTED LINES TO 2500 PSI NO VISIBLE LEAKS
03/04/2014 09:17		Pump Spacer 1	2.5	20		28.0	FRESH WATER
03/04/2014 09:26		Pump Spacer 2	3	10		41.0	DYE WATER
03/04/2014 09:30		Pump Cement	6	80.9		129.0	295 SKS SWIFCEM MIXED @ 14.2 PPG WITH FRESH WATER
03/04/2014 09:45		Shutdown					
03/04/2014 09:46		Drop Top Plug					PLUG PRE LOADED WITNESSED BY COMPANY REP
03/04/2014 09:46		Pump Displacement	5	61.3		318.0	FRESH WATER. CEMENT RETURNED TO SURFACE 40 BBL INTO LEAVING US WITH 20 BBL BACK TO SURFACE.
03/04/2014 10:08		Bump Plug	2.5			300.0	CALCULATED PRESSURE TO LAND WAS 282 PSI
03/04/2014 10:10		Check Floats				849.0	FLOATS HELD WITH 1 BBL BACK TO THE TRUCK
03/04/2014 10:11		End Job					

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 3117312	Quote #:	Sales Order #: 901165890
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: Elrod, Dennis	
Well Name: Frederiksen		Well #: 1D-28H-A368	API/UWI #: 05-123-37666-00
Field:	City (SAP): LONGMONT	County/Parish: Weld	State: Colorado
Contractor: Ensign Drilling		Rig/Platform Name/Num: Ensign 135	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: GREGORY, JON		Srvc Supervisor: NIELSON, BRANDON	MBU ID Emp #: 479703

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HARRAH, THADDEUS Gregory	5.8	552592	NIELSON, BRANDON K	5.8	479703	ROMERO, JOSEPH M	5.8	512137

Equipment

HES Unit #	Distance-1 way						
11542778	30 mile	12010172	30 mile	5707C	30 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	04 - Mar - 2014	03:30	MST
Form Type	BHST			On Location	04 - Mar - 2014	05:45	MST
Job depth MD	866. ft	Job Depth TVD	866. ft	Job Started	04 - Mar - 2014	09:12	MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	04 - Mar - 2014	10:11	MST
Perforation Depth (MD)	From	To		Departed Loc	04 - Mar - 2014	11:30	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

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	WATER SPACER		30.00	bbl	8.34			3.0	
2	SWIFTCEM	SWIFTCEM (TM) SYSTEM (452990)	295.0	sacks	14.2	1.54	7.66	6.0	7.66
7.66 Gal		FRESH WATER							
<i>The Information Stated Herein Is Correct</i>				Customer Representative Signature					

