

HALLIBURTON

iCem® Service

ENCANA OIL & GAS (USA) INC. - EBUS

Date: Thursday, May 08, 2014

Vogl-Geist 2E-5H-F267

Sincerely,
Mollye Hinds

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Job Times

	Date	Time	Time Zone
Called Out	4/13/2014	9:00	MT
On Location	4/13/2014	13:30	MT
Job Started	4/14/2014	12:15	MT
Job Completed	4/14/2014	14:12	MT
Departed Location	4/14/2014	15:30	MT

1.1 Cementing Job Summary

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 3191323	Quote #:	Sales Order #: 0901252194								
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: Chris Hire									
Well Name: VOGL-GEIST	Well #: 2E-5 H-F267	API/UWI #: 05-123-37778-00									
Field: WATTENBERG	City (SAP): FIRESEA	County/Parish: WELD	State: COLORADO								
Legal Description: SE NW-5-2N-67W-2597FNL-2373FWL											
Contractor: Charles Coliver		Rig/Platform Name/Num: H&P 278									
Job BOM: 7523											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA/HX46524		Srv Supervisor: Devin Birchell									
Job											
Formation Name											
Formation Depth (MD)	Top	Bottom									
Form Type	BHST										
Job depth MD	14792ft	Job Depth TVD									
Water Depth	Wk Ht Above Floor										
Perforation Depth (MD)	From	To									
Well Data											
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft	
Casing		7	6.366	23		N-80	0	7765	0	7313	
Casing		4.5	3.92	13.5		P-110	0	14792	0	7313	
Open Hole Section			6.125				7765	14792			
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make			
Guide Shoe	4.5			14792	Top Plug	4.5		HES			
Float Shoe	4.5				Bottom Plug	4.5		HES			
Float Collar	4.5				SSR plug set	4.5		HES			
Insert Float	4.5				Plug Container	4.5		HES			
Stage Tool	4.5				Centralizers	4.5		HES			
Miscellaneous Materials											
Gelling Agt		Conc		Surfactant		Conc	Acid Type		Qty	Conc	
Treatment Fid		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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	11.50 lb/gal Tuned Spacer III	Tuned Spacer III			0	bbl	11.5	7.17			
148.73 lbm/bbl		BARITE, BULK (100003681)									
33.86 gal/bbl		FRESH WATER									

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Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Expandacem B2	EXPANDACEM (TM) SYSTEM		sack	13.8	1.67		4	7.72
7.72 Gal			FRESH WATER						
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Fresh Water	Fresh Water	0	bbl	8.3				
Cement Left in Pipe		Amount	ft	Reason		Shoe Joint			
Comment									

1.2 Planned 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	11.50	4.00	40.0 bbl	40.0 bbl
1	2	Cement Slurry	13.8# Expandacem	13.80	5.00	159.0 bbl	159.0 bbl

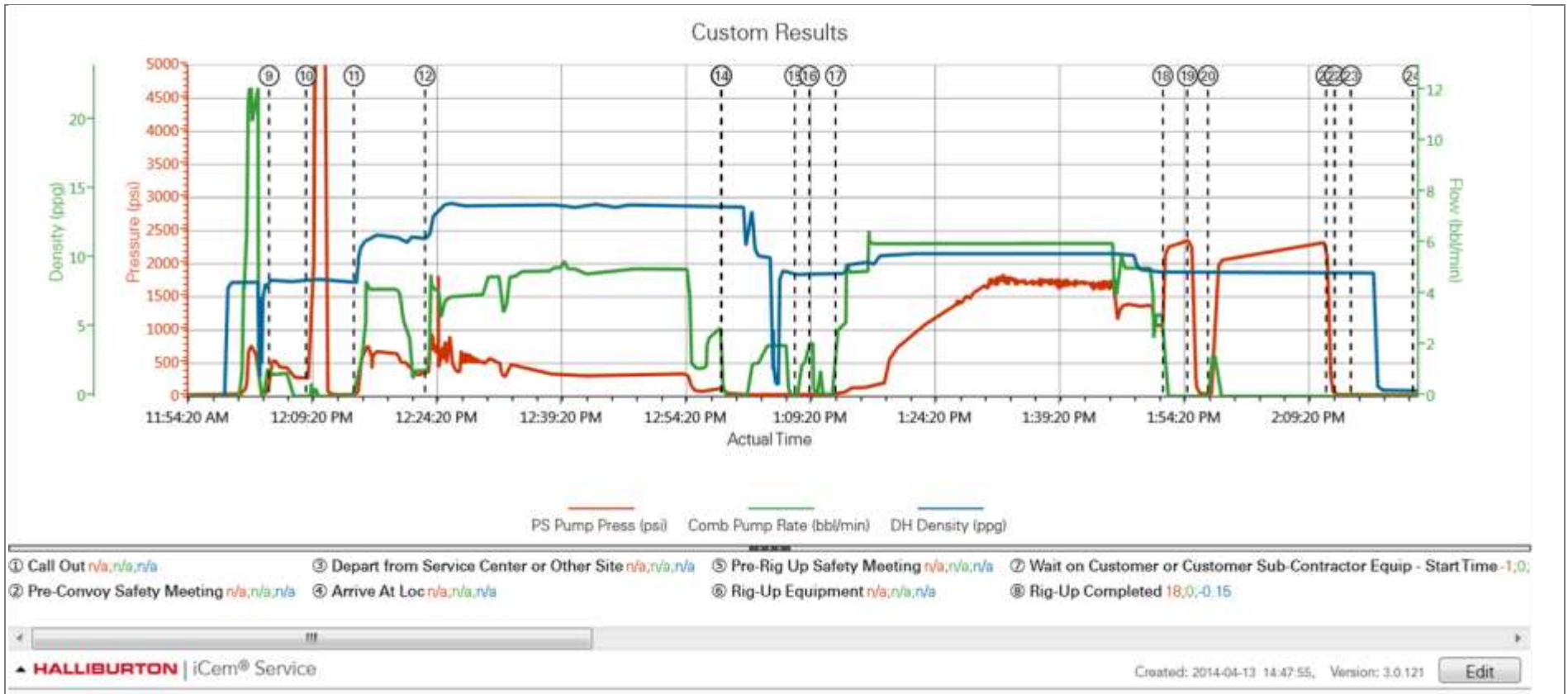
1.3 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	DH Density (ppg)	Comment
Event	1	Call Out	Call Out	4/13/2014	09:00:30	USER				called out cement crew for encana oil&gas vogl-geist 2e-5h-f267 production
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	4/13/2014	12:50:32	USER				discussed route other traffic following distance
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	4/13/2014	13:00:21	USER				depart from service center to location
Event	4	Arrive At Loc	Arrive At Loc	4/13/2014	13:30:11	USER				arrive to location talked to company rep on depths volumes rates and pressures
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	4/13/2014	13:45:23	USER				discuss hand placement team lifting seing path
Event	6	Rig-Up Equipment	Rig-Up Equipment	4/13/2014	13:55:23	USER				spot equipment rig up hoses and ground iron
Event	7	Wait on Customer or Customer Sub-Contractor Equip - Start Time	Wait on Customer or Customer Sub-Contractor Equip - Start Time	4/13/2014	15:00:54	USER	-1.00	0.00	-0.10	wait on rig and casing crews to finish running casing
Event	8	Rig-Up Completed	Rig-Up Completed	4/14/2014	11:40:12	USER	18.00	0.00	-0.15	rigged up to blackhawk head and to stand pipe
Event	9	Prime Pumps	Prime Pumps	4/14/2014	12:04:32	USER	538.00	0.80	8.37	primed up pump and filled lines
Event	10	Test Lines	Test Lines	4/14/2014	12:09:00	COM1	277.00	0.00	8.41	tested pump and lines to 5141 psi
Event	11	Pump Spacer 1	Pump Spacer 1	4/14/2014	12:14:45	COM1	38.00	1.10	9.08	pump 40 bbls tuned spacer III @ 11.5 ppg
Event	12	Pump Cement	Pump Cement	4/14/2014	12:23:19	COM1	373.00	1.30	11.48	pumped 159 bbls slurry @ 13.8 ppg
Event	13	Shutdown	Shutdown	4/14/2014	12:58:57	COM1				shutdown to swap valves
Event	14	Clean Lines	Clean Lines	4/14/2014	12:59:01	COM1				cleaned pump and lines to cellar
Event	15	Pump Displacement	Pump Displacement	4/14/2014	13:07:50	COM1				pump kcl water for displacement

Event	16	Drop Plug	Drop Plug	4/14/2014	13:09:35	USER	46.00	2.10	8.89	dropped wiper dart plug
Event	17	Drop Ball	Drop Ball	4/14/2014	13:12:45	USER	53.00	2.80	8.87	dropped two foam wiper balls
Event	18	Bump Plug	Bump Plug	4/14/2014	13:52:10	COM1				bumped plug with 1460 psi and took pressure to 2271 psi
Event	19	Check Floats	Check Floats	4/14/2014	13:55:07	USER	2354.00	0.00	9.12	checked floats, floats held with 1.5 bbls back
Event	20	Pressure Up Annulus	Pressure Up Annulus	4/14/2014	13:57:35	USER	27.00	1.20	8.94	casing tist to 2056 psi and hold for 15 minutes
Event	21	Release Casing Pressure	Release Casing Pressure	4/14/2014	14:11:48	USER	1397.00	0.00	8.98	release all pressure
Event	22	End Job	End Job	4/14/2014	14:12:51	COM1				
Event	23	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	4/14/2014	14:14:49	USER	21.00	0.00	8.98	discuss hand placement team lifting seing path
Event	24	Rig-Down Equipment	Rig-Down Equipment	4/14/2014	14:22:17	USER	18.00	0.00	0.37	rig down all iron and water hoses
Event	25	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	4/14/2014	15:20:12	USER				discussed route other traffic following distance
Event	26	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	4/14/2014	15:30:21	USER				thank you for using halliburton energy services

2.0 Attachments

2.1 Case 1-Custom Results.png



2.2 Case 1-Custom Results (1).png

