

HALLIBURTON

iCem® Service

ENCANA CORPORATION

Date: Monday, June 30, 2014

VOGL-MCCOY 2C-5 H-E267

Sincerely,
Mollye Hinds

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1.1 Cementing Job Summary

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 3113301	Quote #:	Sales Order #: 0901261955							
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: KEVIN BERGERSON								
Well Name: VOGL-MCCOY	Well #: 2C-5 H-E267	API/UDI #: 05-123-37818-00								
Field: WATTENBERG	City (SAP): LONGMONT	County/Parish: WELD	State: COLORADO							
Legal Description: SW NW-5-2N-67W-2602FNL-341FWL										
Contractor: Kevin Bergeron		Rig/Platform Name/Num: H&P 522								
Job BOM: 7522										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA/HB50180		Srcv Supervisor: Brandon Nielson								
Job										
Formation Name										
Formation Depth (MD)	Top	Bottom								
Form Type	BHST									
Job depth MD	7570ft	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		9.625	8.835	40		N-80	0	854	0	854
Casing		7	6.366	23		N-80	0	7549	0	7131
Open Hole Section			8.75				854	7570	854	7131
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	7			7549		Top Plug	7		HES	
Float Shoe	7					Bottom Plug	7		HES	
Float Collar	7					SSR plug set	7		HES	
Insert Float	7					Plug Container	7		HES	
Stage Tool	7					Centralizers	7		HES	
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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	10 lb/gal Tuned Spacer III	Tuned Spacer III	30	bbl	10	5.86		38		
38.32 gal/bbl		FRESH WATER								
61.01 lbm/bbl		BARITE, BULK (100003681)								

last updated on 4/12/2014 10:22:27 AM

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Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Tuned Light B1	TUNED LIGHT (TM) SYSTEM	327	sack	10	2.32		6	8.73
8.73 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	VariCem B1	VARICEM (TM) CEMENT	307	sack	13	1.95		4	9.83
9.83 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	Displacement		284.9	bbl	10.5				
Cement Left in Pipe				Amount	ft	Reason		Shoe Joint	
Comment									

1.2 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	PS Pump Rate (bbl/min)	Recirc Density (ppg)	Comb Pump Rate (bbl/min)	Comment
Event	1	Call Out	Call Out	4/11/2014	20:20:00	USER						
Event	2	Crew Leave Yard	Crew Leave Yard	4/11/2014	23:15:00	USER						
Event	3	Arrive At Loc	Arrive At Loc	4/11/2014	23:45:00	USER						
Event	4	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	4/11/2014	23:46:00	USER						UPON ARRIVAL RIG HAD 13 JOINTS LEFT TO RUN.
Event	5	Rig-up Lines	Rig-up Lines	4/12/2014	00:00:00	USER						
Event	6	Rig-Down Completed	Rig-Down Completed	4/12/2014	01:00:00	USER	0.85	23.00	0.00	0.00	0.00	
Event	7	Pre-Job Safety Meeting	Pre Job Safey Meeting	4/12/2014	06:27:26	USER	0.89	22.00	0.00	0.00	0.00	
Event	8	Start Job	Start Job	4/12/2014	06:50:00	COM1	8.24	1.00	0.00	10.32	0.00	
Event	9	Test Lines	Test Lines	4/12/2014	07:00:44	COM1	8.25	113.00	0.00	10.35	0.00	TESTED LINES TO 4000 PSI NO VISIBLE LEAKS
Event	10	Pump Spacer 1	Pump Spacer 1	4/12/2014	07:04:13	COM1	8.29	24.00	0.00	10.36	0.00	30 BBL TUNE SPACER MIXED @ 10 PPG WITH FRESH WATER VARIFIED BY PRESSURIZED MUD SCALES. PUMPED @3 BPM AND 156 PSI.
Event	11	Drop Bottom Plug	Drop Bottom Plug	4/12/2014	07:16:06	COM1	9.01	178.00	2.60	9.94	2.60	PLUG PRE LOADED WITNESSED BT COMPANY REP
Event	12	Pump Lead Cement	Pump Lead Cement	4/12/2014	07:16:46	COM1	9.01	202.00	2.60	10.05	2.60	327 SKS OR 135 BBL TUNE LIGHT MIXED AT 9.3 PPG ON SURFACE WITH FRESH WATER VARIFIED BY PRESSURIZED MUD SCALES. PUMPED @ 4 BPM AND 480 PSI.
Event	13	Drop Bottom Plug	Drop Bottom Plug	4/12/2014	08:12:39	COM1	12.53	553.00	4.10	12.93	4.10	PLUG PRE LOADED WITNESSED BY COMPANY REP.

Event	14	Pump Tail Cement	Pump Tail Cement	4/12/2014	08:19:07	COM1	13.18	865.00	7.00	13.11	7.00	307 SKS OR 106.6 BBL VARICEM MIXED @ 13 PPG WITH FRESH WATER VARIFIED BY PRESSURIZED MUD SCALES. PUMPED @ 7 BPM AND 849 PSI
Event	15	Shutdown	Shutdown	4/12/2014	08:32:23	COM1	1.12	6.00	0.00	9.06	0.00	WASHED PUMPS AND LINES TO THE CELLAR
Event	16	Drop Top Plug	Drop Top Plug	4/12/2014	08:42:39	COM1	10.13	14.00	0.00	8.45	0.00	REMOVED CAP AND DROPPED PLUG WHILE WASHING LINES.
Event	17	Pump Displacement	Pump Displacement	4/12/2014	08:42:45	COM1	10.14	14.00	0.00	8.31	0.00	284.9 BBL DRILLING MUD.
Event	18	Bump Plug	Bump Plug	4/12/2014	09:26:33	COM1	10.29	1629.00	0.00	8.66	0.00	BUMPED PLUG AT 1150 PSI ANR BROUGHT IT UP TO 1600 PSI.
Event	19	Pressure Up Well	Pressure Up Well	4/12/2014	09:26:48	COM1	10.28	1647.00	0.00	8.66	0.00	BROUGHT PRESSURE UP TO 2478 FOR 30 MINUTES
Event	20	Other	Other	4/12/2014	09:59:49	COM1	10.41	2802.00	0.00	8.66	0.00	RELEASED PRESSURE AT 2801 PSI TEST WAS SUCCESSFULL.
Event	21	End Job	End Job	4/12/2014	10:05:19	COM1						

2.0 Attachments

