

HALLIBURTON

iCem[®] Service

TAPSTONE ENERGY

For: Lacey Wright

Date: Wednesday, December 17, 2014

Kaup 3407 16-2H

Intermediate Casing

Job Date: Wednesday, November 19, 2014

Sincerely,
Dan Hildebrand

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1 Job Summary



Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 372073	Ship To #: 2974010	Quote #: 0021943310	Sales Order #: 0901838827
Customer: TAPSTONE ENERGY LLC		Customer Rep: DALE	
Well Name: KAUP -3407-	Well #: 16-2H	API/UWI #: 15-077-21886-01	
Field: COOPER CREEK	City (SAP): ANTHONY	County/Parish: HARPER	State: KANSAS
Legal Description: W2 SE SW SW-16-34S-7W-330FSL-870FWL			
Contractor: NOMAC		Rig/Platform Name/Num: NOMAC 245	
Job BOM: 7522			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HX25353		Srvc Supervisor: Troy Davis	
Job			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	5268ft 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	3	9.625	8.921	36	LTC	J-55	0	800	0	800
Casing	3	7	6.276	26	LTC	P-110	0	5268	0	4759
Open Hole Section			8.75				800	5268	800	4759

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	7			5268	Top Plug	7	1	HES
Float Shoe	7				Bottom Plug	7	1	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	Mud Flush III (Liquid)	Mud Flush III	10	bbl	8.4				
41 gal/bbl		FRESH WATER							

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Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
2	Lead Cement	ECONOCEM (TM) SYSTEM	135	sack	13.6	1.51		6	7.3	
	0.40 %	HALAD(R)-9, 50 LB (100001617)								
	2 %	BENTONITE, BULK (100003682)								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
3	Tail Cement	HALCEM (TM) SYSTEM	90	sack	15.6	1.18		5	5.2	
	0.40 %	HALAD(R)-9, 50 LB (100001617)								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
4	Displacement	Displacement	199	bbl	8.33					
Cement Left In Pipe		Amount	42 ft		Reason			Shoe Joint		
Mix Water:pH ##		Mix Water:## ppm			Chloride:			Mix Water Temperature:## °F °C		
Cement Temperature:## °F °C		Plug Displaced by:## lb/gal kg/m3 XXXX			Disp. Temperature:## °F °C					
Plug Bumped?Yes		Bump Pressure:1200 psi MPa			Floats Held?Yes					
Cement Returns:## bbl m3		Returns Density:## lb/gal kg/m3			Returns Temperature:## °F °C					
Comment TOP CEMENT 3849 FT										

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Summary Report

Crew: _____
Job Start Date: 11/19/2014

Sales Order #: 0901838827
WO #: 0901838827
PO/AFE #: NA

Customer: TAPSTONE ENERGY LLC

Field: COOPER CREEK

Job Type: CMT INTERMEDIATE CASING BOM

UWI / API Number: 15-077-21886-01

County/Parish: HARPER

Service Supervisor: Troy Davis

Well Name: KAUP -3407-

State: KANSAS

Well No: 16-2H

Latitude: 37.080619

Longitude: -98.089826

Cust Rep Name: DALE

Sect / Twn / Rng: 16/34/7

Cust Rep Phone #:

Remarks:		
The Information Stated Herein Is Correct	Customer Representative Signature <i>John K. Walsh</i>	Date 11-19-2014
	Customer Representative Printed Name	

2 Service Supervisor's Job Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Recirc Density (ppg)	Comb Pump Rate (tkl/min)	DS Pump Press (psi)	Comments
Event	1	Other	CALLED OUT	11/18/2014	15:30:00	USER					CALLED OUT
Event	2	Other	PRE-TRIP MEETING	11/18/2014	16:00:00	USER					PRE-TRIP MEETING
Event	3	Other	LEAVE YARD	11/18/2014	16:15:00	USER					LEAVE YARD
Event	4	Other	ARRIVE ON LOC	11/18/2014	22:30:00	USER					ARRIVE ON LOC
Event	5	Other	PRE-RIG UP MEETING	11/19/2014	01:00:00	USER					PRE-RIG UP MEETING
Event	6	Other	RIG UP	11/19/2014	01:15:00	USER					RIG UP
Event	7	Prime Pumps	Prime Pumps	11/19/2014	02:28:27	COM5					
Event	8	Test Lines	Test Lines	11/19/2014	04:20:05	COM5	9.36	0.00	0.40	124.00	
Event	9	Pressure Test	Pressure Test	11/19/2014	04:21:04	USER	8.38	0.00	0.00	6306.00	TEST LINES @ 6000 PSI
Event	10	Pump Spacer 1	Pump Spacer 1	11/19/2014	04:30:15	COM5	8.26	8.24	5.80	635.00	DROP BOTTOM PLUG PUMP 10 BB MUD FLUSH SPACER
Event	11	Pump Lead Cement	Pump Lead Cement	11/19/2014	04:32:38	COM5	8.22	13.51	0.00	64.00	PUMP LEAD CEMENT 36 BB
Event	12	Pump Tail Cement	Pump Tail Cement	11/19/2014	04:37:58	COM5	13.16	12.98	6.80	546.00	PUMP TAIL CEMENT 19 BB
Event	13	Drop Top Plug	Drop Top Plug	11/19/2014	04:46:10	COM5	15.06	8.41	0.00	11.00	DROP TOP PLUG
Event	14	Pump Displacement	Pump Displacement	11/19/2014	04:47:52	COM5	12.88	8.41	3.60	61.00	DISPLACE 199 BB FRESH WATER
Event	15	Bump Plug	Bump Plug	11/19/2014	05:25:00	USER	8.24	8.39	0.00	1200.00	BUMP TOP PLUG @ 600-1200 PSI
Event	16	Check Floats	Check Floats	11/19/2014	05:27:14	USER	8.24	8.39	0.00	7.00	CHECK FLOATS GOT HALF A BARREL BACK
Event	17	End Job	End Job	11/19/2014	05:29:16	COM5	8.21	8.39	0.00	0.00	
Event	18	Other	PRE-RIG DOWN MEETING	11/19/2014	05:45:00	USER	-0.14	0.00	0.00	-2.00	PRE-RIG DOWN MEETING
Event	19	Other	RIG DOWN	11/19/2014	05:50:00	USER	-0.14	0.00	0.00	-2.00	RIG DOWN
Event	20	End Job	End Job	11/19/2014	06:00:22	COM5	-0.11	0.00	0.00	-3.00	
Event	21	Other	PRE-JOURNEY MEETING	11/19/2014	06:50:00	USER					PRE-JOURNEY MEETING
Event	22	Other	LEAVE LOC	11/19/2014	07:00:00	USER					LEAVE LOC

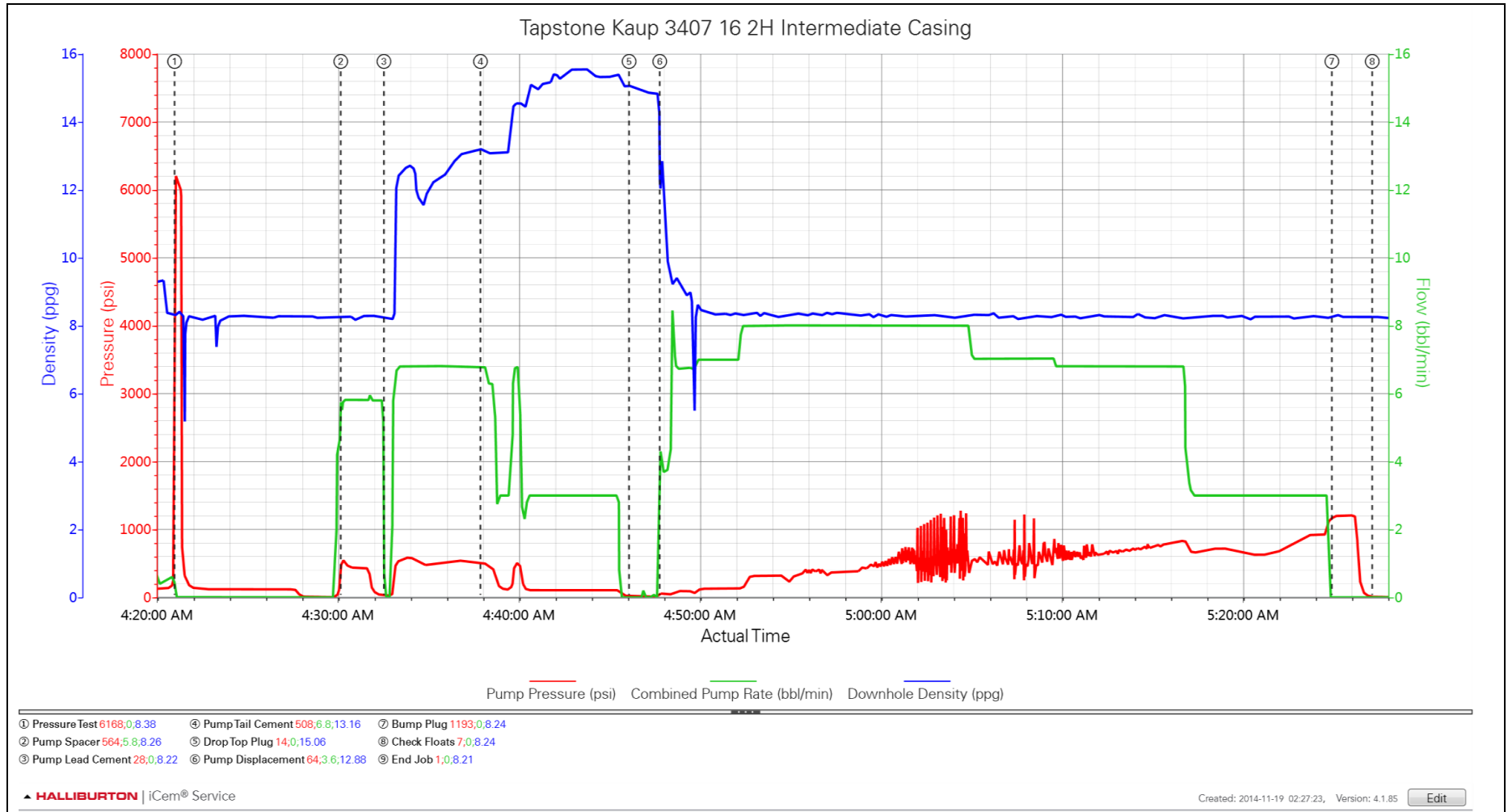
3 Real Time Job Summary

3.1 Job Event Log

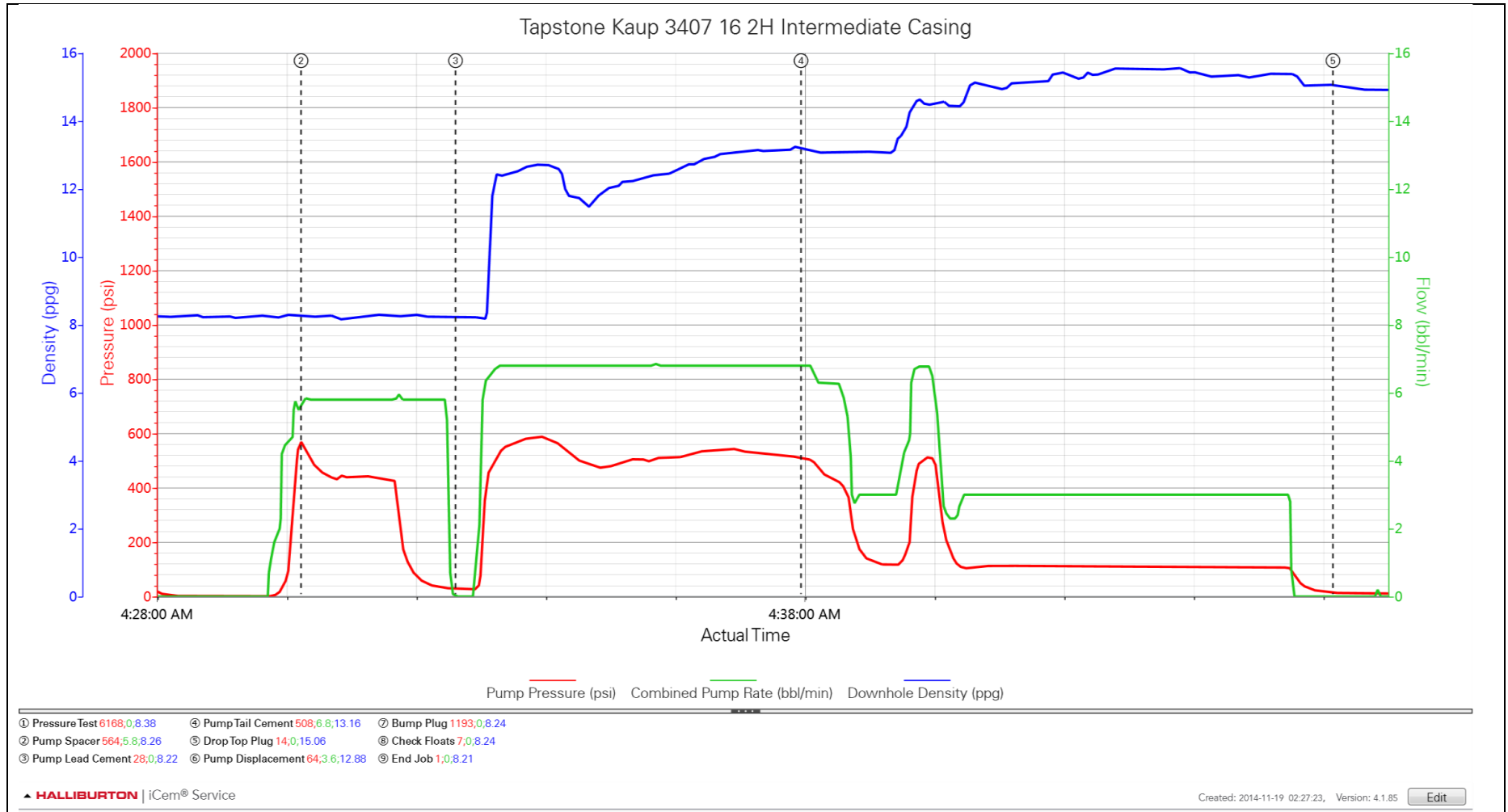
Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comments
Event	1	Pressure Test	Pressure Test	11/19/2014	04:21:04	USER	TEST LINES @ 6000 PSI
Event	2	Pump Spacer 1	Pump Spacer	11/19/2014	04:30:15	COM5	DROP BOTTOM PLUG PUMP 10 BBL MUD FLUSH SPACER
Event	3	Pump Lead Cement	Pump Lead Cement	11/19/2014	04:32:38	COM5	PUMP LEAD CEMENT 36 BBL
Event	4	Pump Tail Cement	Pump Tail Cement	11/19/2014	04:37:58	COM5	PUMP TAIL CEMENT 19 BBL
Event	5	Drop Top Plug	Drop Top Plug	11/19/2014	04:46:10	COM5	DROP TOP PLUG
Event	6	Pump Displacement	Pump Displacement	11/19/2014	04:47:52	COM5	DISPLACE 199 BB FRESH WATER
Event	7	Bump Plug	Bump Plug	11/19/2014	05:24:41	USER	BUMP TOP PLUG @ 600-1200 PSI
Event	8	Check Floats	Check Floats	11/19/2014	05:26:12	USER	CHECK FLOATS GOT HALF A BARREL BACK
Event	9	End Job	End Job	11/19/2014	05:29:16	COM5	

4 Attachments

4.1 Complete Job Chart



4.2 Pump Spacer, Pump Lead Cement, Pump Tail Cement



4.3 Pump Displacement, Check Floats.png

