

HALLIBURTON

iCem[®] Service

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

For: Dylan Goudie & Kinzie Beavers

Date: Saturday, April 02, 2016

RU 324-6 PRODUCTION

API# 05-045-22607-00

Sincerely,

Grand Junction Cement Engineers

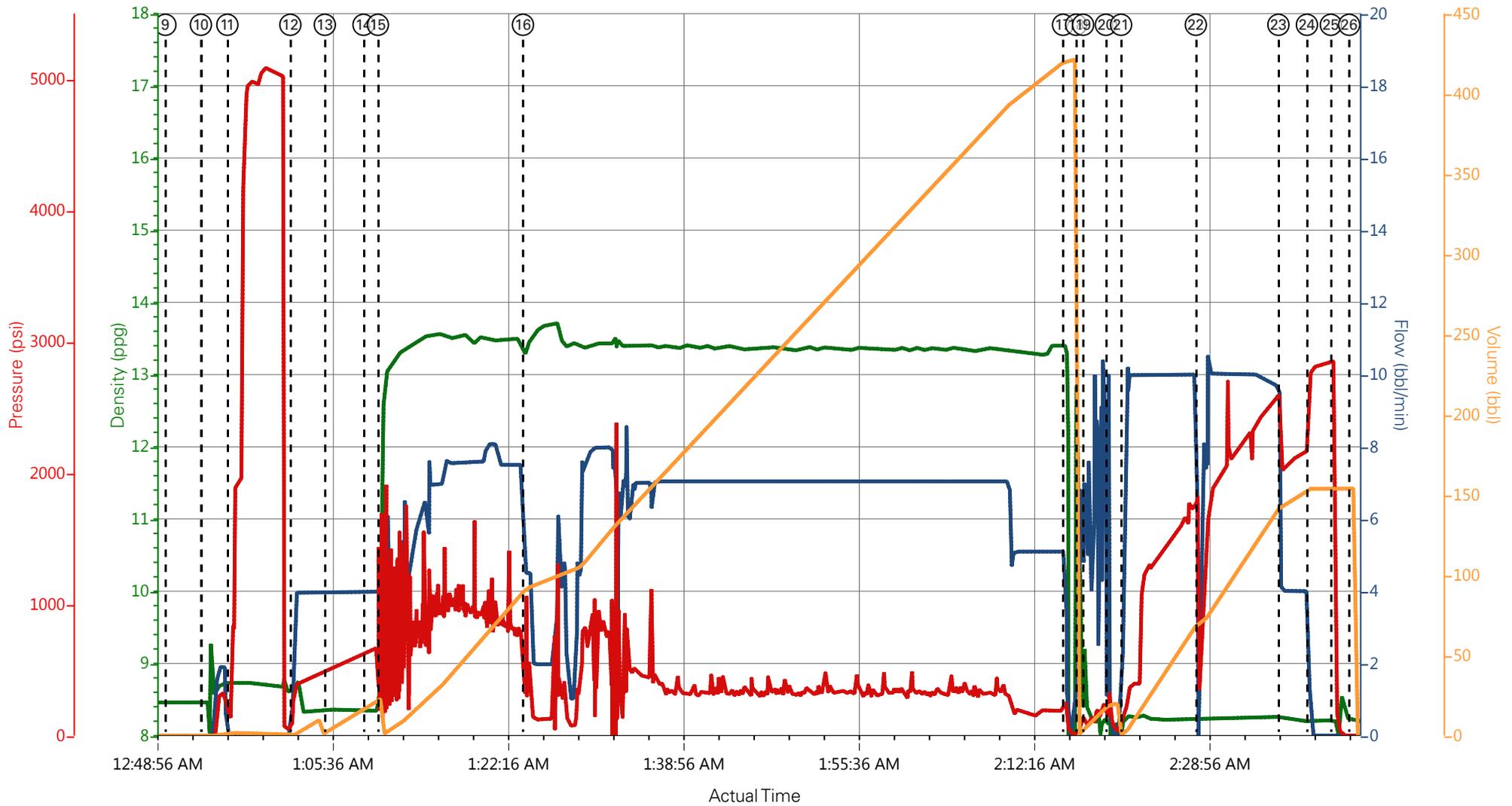
1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	4/1/2016	16:30:00	USER					REQUESTED ON LOCATION AT 22:30
Event	2	Pre-Convoy Safety Meeting	4/1/2016	18:15:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	4/1/2016	18:30:00	USER					1-550 PU 1-ELITE PUMP AND 1-660. ALL TRUCKS LEFT THE YARD AT THE SAME TIME
Event	4	Arrive At Loc	4/1/2016	20:00:00	USER					ARRIVED 2 HOURS EARLY. CREW STILL HAD 4500' OF PIPE TO GO IN THE HOLE.
Event	5	Assessment Of Location Safety Meeting	4/1/2016	20:05:00	USER					MET WITH CO REP AND WENT OVER JOB PROCEDURE AND NUMBERS. DID A WALKAROUND OF LOCATION AND COLLECTED WATER SAMPLE.(PH7, TEMP 70F, CHL 0) FILLED OUT JSA AND GOT TRUCKS SPOTTED IN
Event	6	Rig-up Lines	4/1/2016	20:15:00	USER					WE WERE ABLE TO DO MOST OF THE RIG UP STAYING OUT OF THE RED ZONE AND FINISHED AFTER CASING CREW WAS RIGGED DOWN
Event	7	Pre-Rig Up Safety Meeting	4/1/2016	20:30:00	USER					ALL HES PRESENT
Event	8	Pre-Job Safety Meeting	4/2/2016	00:30:00	USER					MET WITH RIG CREW TO GO OVER JOB. ALL HES PRESENT
Event	9	Start Job	4/2/2016	00:50:00	COM5					TD 9449', TP 9442.54', SJ 33.82', SC 9.625" 32.3# @ 1129', 4.5" 11.6# P-110 CASING, OH 8.75", MW 11.5 PPG. HOC 6197', TOC 3246'
Event	10	Prime Pumps	4/2/2016	00:53:22	COM5	8.34	2	350	2	2 BBLS FRESH WATER
Event	11	Test Lines	4/2/2016	00:55:53	COM5			5000		KO'S FUNCTIONING. TESTED TO 5000 PSI.
Event	12	Pump Spacer 1	4/2/2016	01:01:52	COM5	8.34	4	400	10	10 BBLS FRESH WATER
Event	13	Pump Spacer 2	4/2/2016	01:05:09	COM5	8.4	4	670	20	20 BBLS MUD FLUSH
Event	14	Check weight	4/2/2016	01:08:49	COM5	13.3				13.3 PPG

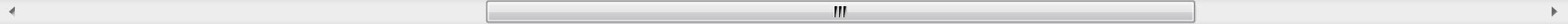
Event	15	Pump Lead Cement	4/2/2016	01:10:11	COM5	13.3	8	800	339	1100 SKS ThermaCem (339 BBLS) 13.3 PPG, 1.73 FT3/SK, 7.81 GAL/SK
Event	16	Other	4/2/2016	01:23:58	USER	13.3	2	300	90	HAD TROUBLE WITH BULK. HAD TO SLOW DOWN TO CORRECT THE PROBLEM
Event	17	Shutdown	4/2/2016	02:15:18	USER	13.3	4	210	339	END OF CEMENT
Event	18	Other	4/2/2016	02:16:33	USER					MIX WATER STAGE TOTAL 8650 GAL
Event	19	Clean Lines	4/2/2016	02:17:13	USER	8.34	6	70	10	10 BBLS FRESH WATER TO PIT
Event	20	Drop Top Plug	4/2/2016	02:19:23	COM5					PLUG WENT
Event	21	Pump Displacement	4/2/2016	02:20:49	COM5	8.4	10	2600	145.8	145.8 BBLS FRESH WATER WITH MMCR IN FIRST 10, BE-6 IN FIRST 30, AND KCL THROUGHOUT.
Event	22	Other	4/2/2016	02:27:56	USER	8.4		1850	70.0	HIT KICKOUTS FOR UNKNOWN REASON SET @ 3000 PSI
Event	23	Slow Rate	4/2/2016	02:35:47	USER	8.4	4	2200	135	SLOWED TO 4 BBLS/MIN TO LAND PLUG
Event	24	Bump Plug	4/2/2016	02:38:29	COM5	8.4	4	2200	145.8	LANDED AT 2200 AND WENT UP TO 2800 PSI
Event	25	Check Floats	4/2/2016	02:40:46	USER	8.4		2800	145.8	FLOATS HELD. 1 BBL BACK TO TRUCK
Event	26	End Job	4/2/2016	02:42:30	COM5					GREAT RETURNS THROUGHOUT JOB.
Event	27	Pre-Rig Down Safety Meeting	4/2/2016	02:45:00	USER					ALL HES PRESENT
Event	28	Rig Down Lines	4/2/2016	02:50:00	USER					
Event	29	Pre-Convoy Safety Meeting	4/2/2016	04:15:00	USER					ALL HES PRESENT
Event	30	Crew Leave Location	4/2/2016	04:30:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT. CLIFF SPARKS AND CREW

WPX FEDERAL RU 324-6 4.5" PRODUCTION



— DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — PS Pump Press (psi)
 — Pump Stg Tot (bbl)

ng n/a;n/a;n/a;n/a	⑩ Prime Pumps 8.46;0;-14.7;0	⑬ Pump Spacer 2 8.36;4;504.3;3	⑯ Other 13.25;4.5;315.3;91.2	⑲ Clean Lines 8.4;6.8;69.3;5.4	⑳ Other 8.2;0.8;324.3;70
3.44;0;-15.7;45.1	⑪ Test Lines 8.71;0;130.3;1.7	⑭ Check weight 8.34;4;642.3;17.7	⑰ Shutdown 13.4;3.3;145.3;421.2	㉑ Drop Top Plug 8.2;5.8;308.3;19.5	㉓ Slow Rate 8.24;4.1;2028.3;143
	⑫ Pump Spacer 1 8.65;2.1;302.3;0.2	⑮ Pump Lead Cement 10.76;4;598.3;0	⑱ Other 9.99;5.4;66.3;1.1	㉒ Pump Displacement 8.21;6.2;173.3;1.5	㉔ Bump Plug 8.22;0;2755.3;154



HALLIBURTON | iCem® Service

Created: 2016-04-01 18:02:40, Version: 4.2.393

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 4/1/2016 11:26:54 PM

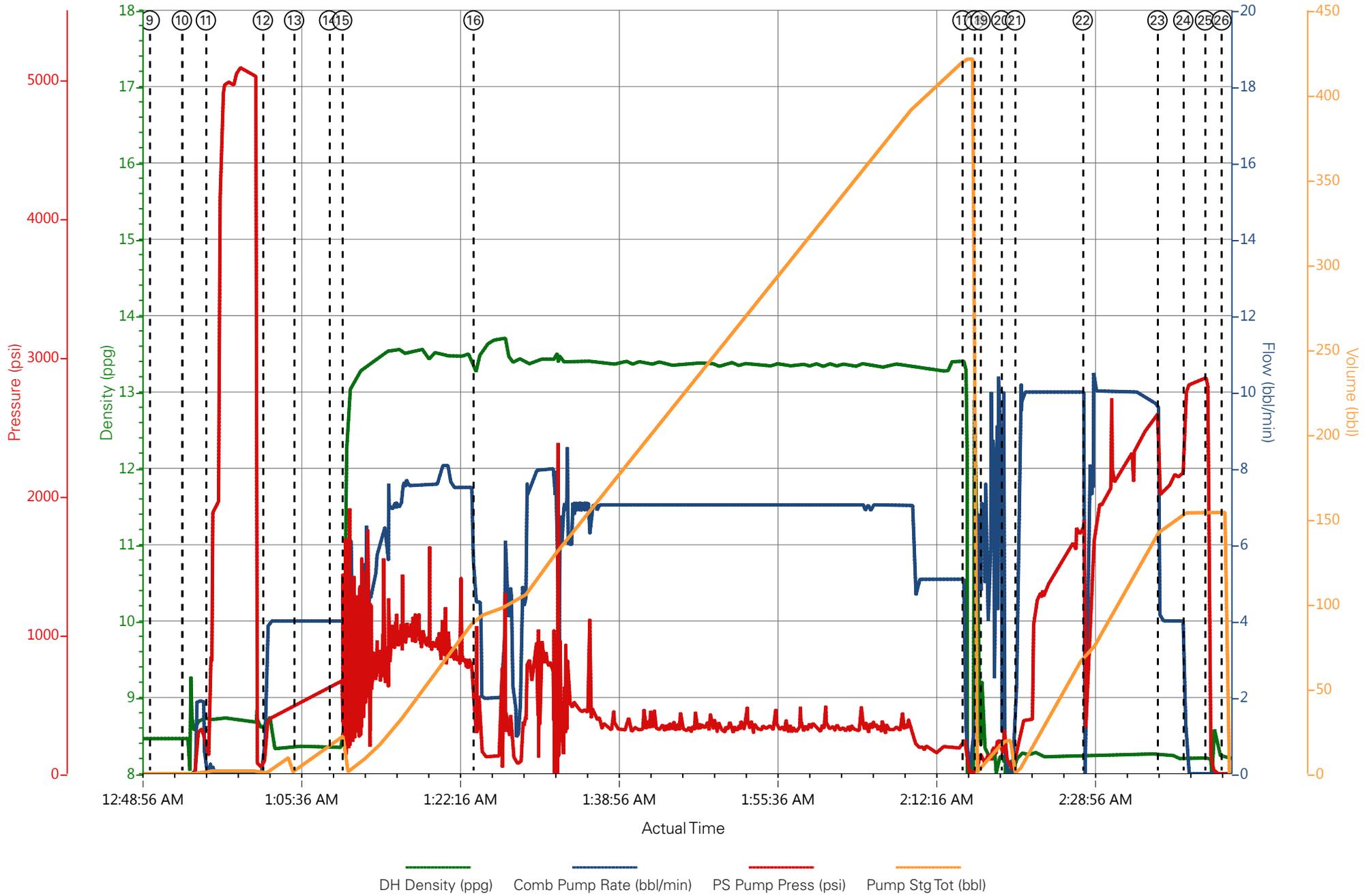
Well: 324-6

Representative: BEAUDE OAKS

Sales Order #: 903214623

ELITE 4: CLIFF SPARKS / RYAN MARTIN

WPX FEDERAL RU 324-6 4.5" PRODUCTION



Job Information

Request/Slurry	2311573/3	Rig Name	H&P 318	Date	28/MAR/2016
Submitted By	Evan Russell	Job Type	Production Casing	Bulk Plant	Grand Junction
Customer	WPX Energy, Inc.	Location	Garfield	Well	RU 324-6

Well Information

Casing/Liner Size	4.5 in	Depth MD	9434 ft	BHST	114°C / 237°F
Hole Size	8.75 in	Depth TVD	9206 ft	BHCT	75°C / 167°F
Pressure	5740 psi				

Drilling Fluid Information

Mud Supplier Name	Baroid	Mud Trade Name	BARADRIL-N	Density	10.4 lbm/gal
--------------------------	--------	-----------------------	------------	----------------	--------------

Cement Information - Primary Design

<u>Conc</u>	<u>UOM</u>	<u>Cement/Additive</u>	<u>Sample Type</u>	<u>Sample Date</u>	<u>Lot No.</u>	<u>Cement Properties</u>		
> Mountain G			Bulk Blend	29.03.16	tank 29	Slurry Density	13.3	lbm/gal
> San Juan			Bulk Blend	29.03.16	Tank 19	Slurry Yield	1.733	ft3/sack
Cement Blend						Water Requirement	7.803	gal/sack
Fresh Water			Lab	12.03.13		Total Mix Fluid	7.803	gal/sack
HALAD-344 (PB)			Bulk Blend	29.03.16	15061640			
SA-1015 (PB)			Bulk Blend	29.03.16	5A0018W			
SUPER CBL			Bulk Blend	29.03.16	1510067	Water Source	Fresh Water	
SS-200 silica flour			Bulk Blend	29.03.16	Tank 6 &25	Water Chloride		
Kol-Seal			Bulk Blend	29.03.16	Tank 1&20			
Pol-E-Flake			Bulk Blend	29.03.16				
HR-601			Bulk Blend	29.03.16	71			
HALAD-413 (PB)			Bulk Blend	29.03.16	ZM5B0425A0			

This report is the property of Halliburton Energy Services and neither it nor any part thereof, nor a copy thereof, is to be published or disclosed without first securing the expressed written approval of Halliburton. It may however be used in the course of regular business operations by any person or concern receiving such report from Halliburton. This report is for information purposes only and the content is limited to the sample described. Halliburton makes no warranties, expressed or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.

Operation Test Results Request ID 2311573/3

Thickening Time

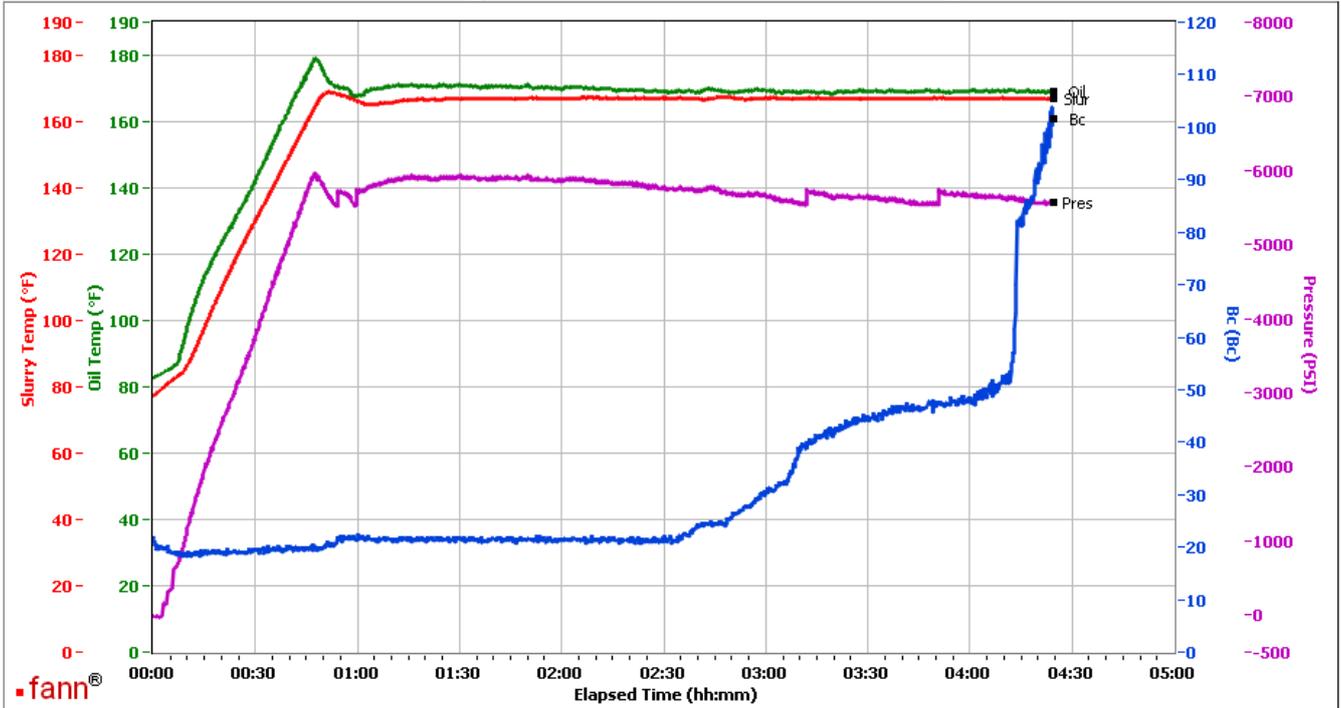
29/MAR/2016

Temp (°F)	Pressure (psi)	Reached in (min)	Start BC	30 Bc (hh:mm)	40 Bc (hh:mm)	50 Bc (hh:mm)	70 Bc (hh:mm)	100 Bc (hh:mm)
167	5740	47	21	2:58	3:12	4:04	4:13	4:23

CS0309 TR# 7094 250SKS

Grand Junction, Colorado

Fields	Values	Fields	Values	Events	Results
Project Name	GJ2311573-3	Job Type		30.00 Bc	02h:58m
Test ID	GJ2311573-3 ULTRA BULK PRIMARY	Cement Type		40.00 Bc	03h:12m
Request ID		Cement Weight	Standard	50.00 Bc	04h:04m
Tested by	DS	Test Date	03/29/16	70.00 Bc	04h:13m
Customer	WPX	Test Time	07:03 PM	100.00 Bc	04h:23m
Well No	RU 324-6	Temp. Units	degF	00h:30m	19.46
Rig		Pressure Units	PSI	01h:00m	21.54
Casing/Liner Size		SW Version	2.1.0.507	01h:30m	21.96



Data File C:\Documents and Settings\M290\Desktop\Test Data\GJ2311573-3 ULTRA BULK PRIMARY.tdms
 Comments CS0309 TR#250 SKS

This report is the property of Halliburton Energy Services and neither it nor any part thereof, nor a copy thereof, is to be published or disclosed without first securing the expressed written approval of Halliburton. It may however be used in the course of regular business operations by any person or concern receiving such report from Halliburton. This report is for information purposes only and the content is limited to the sample described. Halliburton makes no warranties, expressed or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.

Thickening Time

29/MAR/2016

Temp (°F)	Pressure (psi)	Reached in (min)	Start BC	30 Bc (hh:mm)	40 Bc (hh:mm)	50 Bc (hh:mm)	70 Bc (hh:mm)	100 Bc (hh:mm)
167	5740	47	14	3:01	3:05	3:08	3:33	3:34

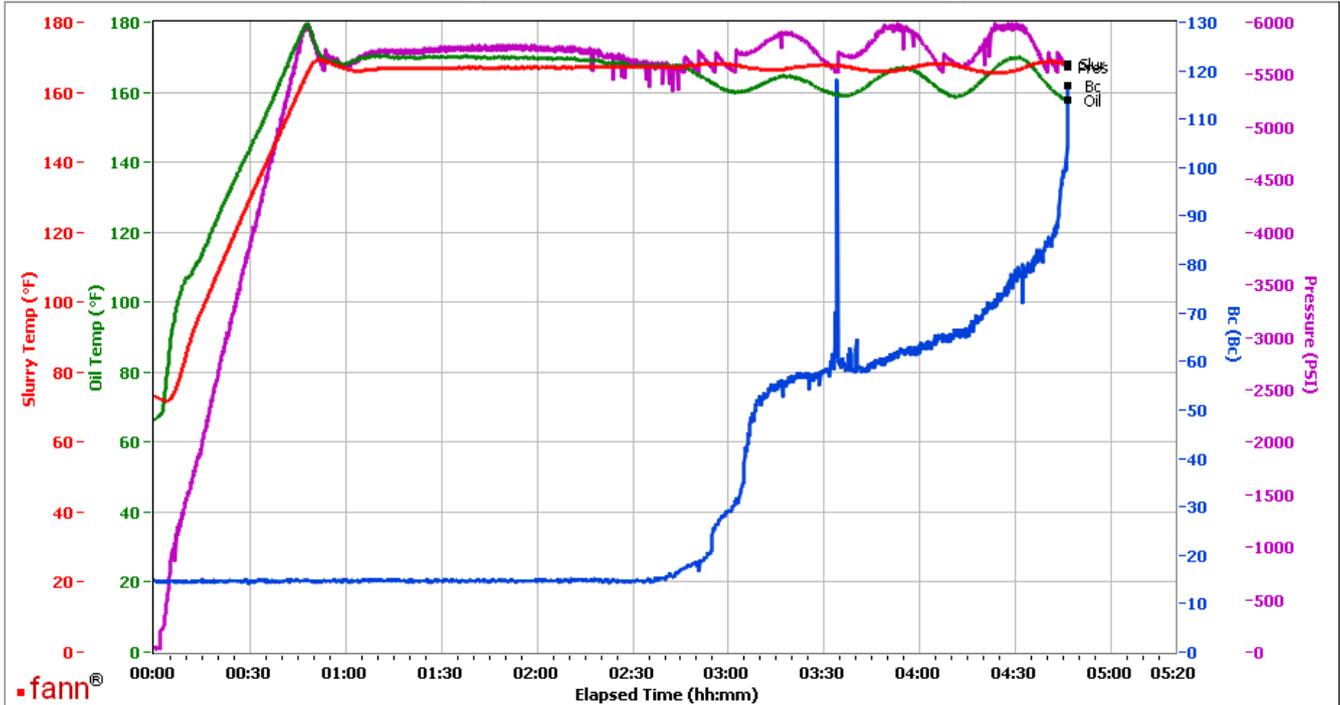
CS0308 TR#8675 425 SKS

Grand Junction Colorado

Fields	Values
Project Name	GJ2311573-2
Test ID	GJ2311573-2 WPX PROD BULK PRIAMARY
Request ID	
Tested by	DS
Customer	WPX
Well No	RU 324-6
Rig	
Casing/Liner Size	

Fields	Values
Job Type	
Cement Type	
Cement Weight	Standard
Test Date	03/29/16
Test Time	03:13 PM
Temp. Units	degF
Pressure Units	PSI
SW Version	2.1.0.507

Events	Results
30.00 Bc	03h:01m
40.00 Bc	03h:05m
50.00 Bc	03h:08m
70.00 Bc	03h:33m
100.00 Bc	03h:34m
00h:30m	14.35
01h:00m	15.04
01h:30m	14.55



Data File C:\Documents and Settings\M290\Local Settings\Temporary Internet Files\Content.IE5\CDER4HUW\GJ2311573-2 WPX PROD BULK PRIAMARY[1].tdms
 Comments CS0308 TR#8675 425 SKS

This report is the property of Halliburton Energy Services and neither it nor any part thereof, nor a copy thereof, is to be published or disclosed without first securing the expressed written approval of Halliburton. It may however be used in the course of regular business operations by any person or concern receiving such report from Halliburton. This report is for information purposes only and the content is limited to the sample described. Halliburton makes no warranties, expressed or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.

Thickening Time

29/MAR/2016

Temp (°F)	Pressure (psi)	Reached in (min)	Start BC	30 Bc (hh:mm)	40 Bc (hh:mm)	50 Bc (hh:mm)	70 Bc (hh:mm)	100 Bc (hh:mm)
167	5740	47	10	3:12	3:48	4:34	4:47	4:53

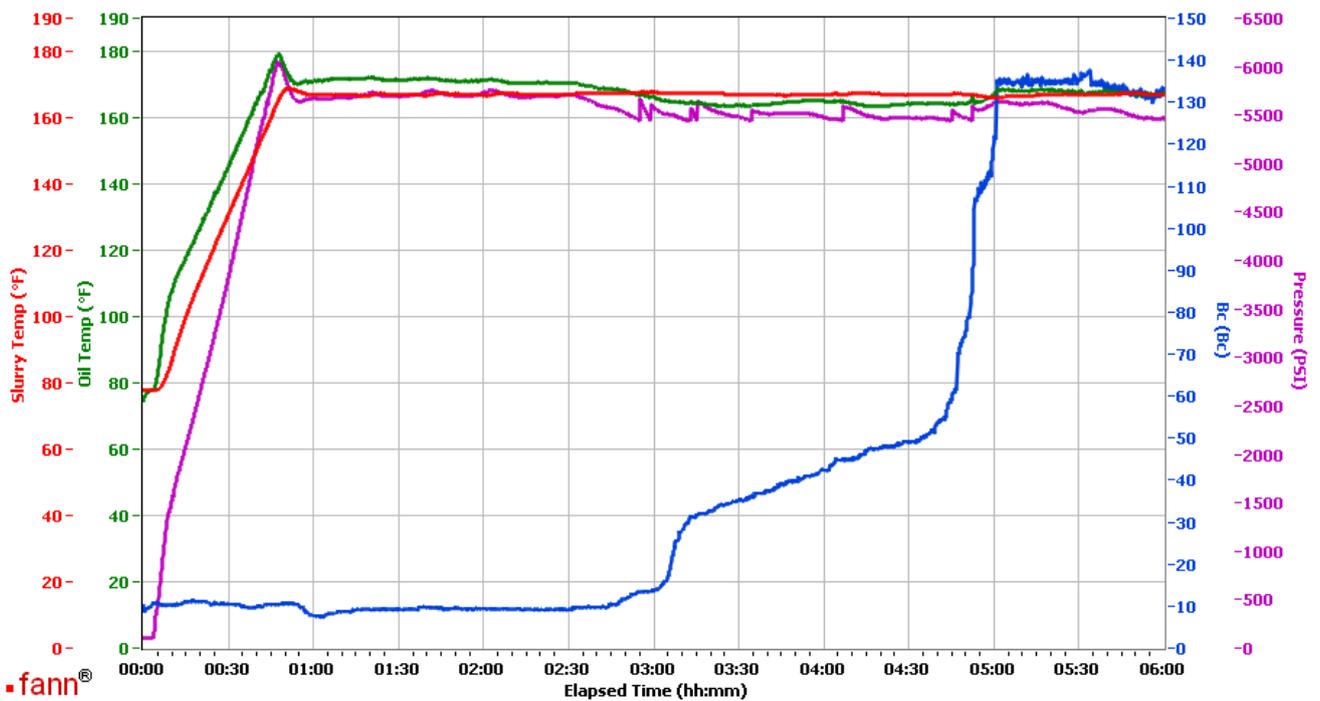
CS0307 TR#8677 425 SKS

Grand Junction Colorado

Fields	Values
Project Name	GJ2311573-1
Test ID	GJ2311573-1 WPX PROD BULK PRIMARY
Request ID	
Tested by	DS
Customer	WPX
Well No	RU 324-6
Rig	
Casing/Liner Size	

Fields	Values
Job Type	
Cement Type	
Cement Weight	Standard
Test Date	03/28/16
Test Time	11:06 PM
Temp. Units	degF
Pressure Units	PSI
SW Version	2.1.0.507

Events	Results
30.00 Bc	03h:12m
40.00 Bc	03h:48m
50.00 Bc	04h:34m
70.00 Bc	04h:47m
100.00 Bc	04h:53m
00h:30m	13.39
01h:00m	13.39
01h:30m	13.39



Data File C:\Documents and Settings\M290\Desktop\Test Data\GJ2311573-1 WPX PROD BULK PRIMARY.tdms
 Comments CS0307 tr#8677 425 sks

This report is the property of Halliburton Energy Services and neither it nor any part thereof, nor a copy thereof, is to be published or disclosed without first securing the expressed written approval of Halliburton. It may however be used in the course of regular business operations by any person or concern receiving such report from Halliburton. This report is for information purposes only and the content is limited to the sample described. Halliburton makes no warranties, expressed or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.