

# HALLIBURTON

iCem® Service

## **BP AMERICA PROD CO-SORAC/NAG EBIZ**

**For: MIKE COLBERT**

Date: Sunday, January 10, 2016

### **FORD H #3**

FORD H #3

FORD H #3 SURFACE

Job Date: Sunday, January 10, 2016

Sincerely,

**JACOB AYERS**

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## The Road to Excellence Starts with Safety

Sold To #: 358135	Ship To #: 3699380	Quote #: 0022145849	Sales Order #: 0903046090
Customer: BP AMERICA PROD CO-SORAC/NAG EBIZ		Customer Rep:	
Well Name: FORD H		Well #: 3	API/UWI #: 05-067-09958-00
Field: IGNACIO-BLANCO	City (SAP): IGNACIO	County/Parish: LA PLATA	State: COLORADO
Legal Description: SE NW-10-33N-8W-1708FNL-1705FWL			
Contractor: AZTEC WELL SERVICING CO		Rig/Platform Name/Num: AZTEC 507	
Job BOM: 7521			
Well Type: COAL DE-GAS			
Sales Person: HALAMERICA\HB41307		Srv Supervisor: Jacob Ayers	

### Job

Formation Name	
Formation Depth (MD)	Top
Form Type	BHST
Job depth MD	418ft
Water Depth	
Perforation Depth (MD)	From

### 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		8.625	8.097	24	STC	J-55	0	418		
Open Hole Section			12.25				0	418		

### Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	8.625			418	Top Plug	8.625		HES
Float Shoe	8.625				Bottom Plug	8.625		HES
Float Collar	8.625				SSR plug set	8.625		HES
Insert Float	8.625				Plug Container	8.625		HES
Stage Tool	8.625				Centralizers	8.625		HES

### Fluid Data

Stage/Plug #: 1										
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	
1	Fresh Water Spacer	Fresh Water Spacer	10	bbl	8.33					
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	Primary Cement	Premium Cement	250	sack	15.8	1.18		4	5.25	
94 lbm		CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
5.25 Gal		FRESH WATER								
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
3	Displacement	Displacement	24	bbl	8.33					
Cement Left In Pipe		Amount	ft	Reason				Shoe Joint		
Mix Water:		pH ##	Mix Water Chloride:			>200 ppm		Mix Water Temperature:		40 °F
Plug Displaced by:		8.33lb/ga								
Plug Bumped?		Yes/	Bump Pressure:			147 psi MPa		Floats Held?		Yes
Cement Returns:		19 bbl m3	Returns Density:			15.8Lb/gal kg/m3				
Comment										

## 2.0 Real-Time Job Summary

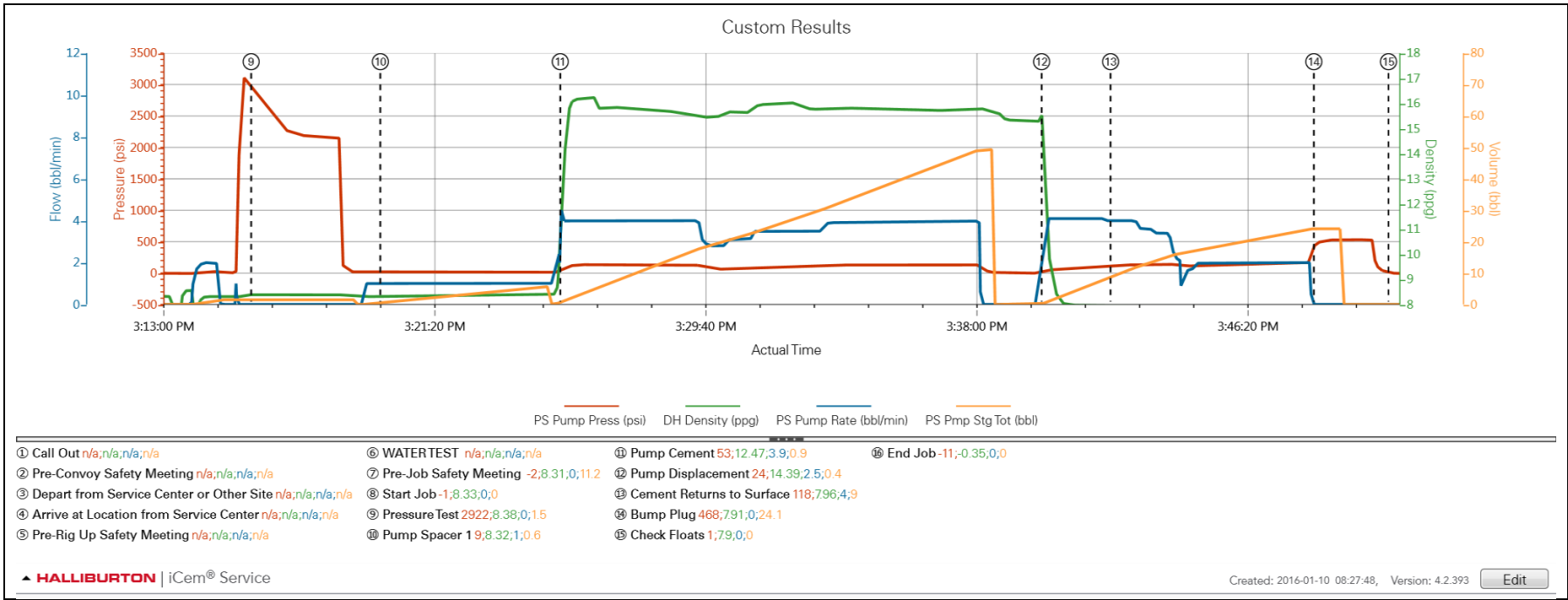
## 2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	PS Pump Rate (bbl/min)	PS Pmp Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	1/10/2016	07:00:00	USER					CALL OUT @ 0700
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	1/10/2016	10:00:00	USER					TAILGATE MEETING @ 1000
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	1/10/2016	10:10:00	USER					LEFT YARD @ 1010
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	1/10/2016	11:15:00	USER					ARRIVED ON LOCATION @ 1115
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	1/10/2016	12:45:00	USER					RIG UP MEETING WITH CREW @ 1245
Event	6	Other	WATER TEST	1/10/2016	13:04:40	USER					PH 6.5 TEMP 40 CHLORIDES >200 SULFATES <200 IORN 3
Event	7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	1/10/2016	14:40:00	USER	-2.00	8.31	0.00	11.2	PRE JOB MEETING WITH ALL AFFECTED PERSONELL ON LOCATION
Event	8	Start Job	Start Job	1/10/2016	15:03:48	COM5	-1.00	8.33	0.00	0.0	START JOB @ 1503
Event	9	Pressure Test	Pressure Test	1/10/2016	15:15:33	USER	3069.00	8.39	0.00	1.5	PRESSURE TEST TO 2000 PSI
Event	10	Pump Spacer 1	Pump Spacer 1	1/10/2016	15:19:44	USER	9.00	8.32	1.00	0.6	5 BBL WATER SPACER
Event	11	Pump Cement	Pump Cement	1/10/2016	15:25:16	USER	53.00	12.47	3.90	0.9	250 SKS @ 15.8# 52.5BBL
Event	12	Pump Displacement	Pump Displacement	1/10/2016	15:40:04	USER	22.00	14.87	2.20	0.4	24 BBL CALCULATED DISPLACEMENT
Event	13	Cement Returns to Surface	Cement Returns to Surface	1/10/2016	15:42:11	USER	118.00	7.96	4.00	9.0	19.27 BBL CMT CALCULATED BACK TO SURFACE ACTUALLY RETURNED TO SURFACE 15 BBL GOOD CMT

Event	14	Bump Plug	Bump Plug	1/10/2016	15:48:26	USER	468.00	7.91	0.00	24.1	146 PSI TO BUMP PLUG PLUG BUMPED @ 160 PSI TOOK IT TO 530 PSI
Event	15	Check Floats	Check Floats	1/10/2016	15:50:44	USER	2.00	7.90	0.00	0.0	.25 BBL BACK FLOATS HELD LEFT HEAD ATTACHED TO CASING
Event	16	End Job	End Job	1/10/2016	15:56:38	COM5					

3.0 Attachments

3.1 FORD H #3 SURFACE-Custom Results.png



## 4.0 Custom Graphs

### 4.1 Custom Graph

