

# HALLIBURTON

iCem® Service

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

**For: MIKE COLBERT**

Date: Saturday, May 30, 2015

**BP AMERICA TUBBS 32-6-9 A SURFACE 902455429**

Case 1

Job Date: Saturday, May 30, 2015

Sincerely, DAVID HAHN AND CREW

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The Road to Excellence Starts with Safety

Sold To #: 358135	Ship To #: 3658112	Quote #: 0022051767	Sales Order #: 0902455429
Customer: BP AMERICA PROD CO-SORAC/NAG EBIZ		Customer Rep: MIKE COLBERT	
Well Name: TUBBS 32-6-9 A	Well #: 2	API/UWI #: 05-067-09928-00	
Field: IGNACIO-BLANCO	City (SAP): IGNACIO	County/Parish: LA PLATA	State: COLORADO
Legal Description: SW NE-9-32N-6W-2478FNL-2240FEL			
Contractor: AZTEC WELL SERVICING CO		Rig/Platform Name/Num: AZTEC 507	
Job BOM: 7521			
Well Type: COAL DE-GAS			
Sales Person: HALAMERICA\HX38199		Srvc Supervisor: David Hahn	

**Job**

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	699ft 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		8.625	8.097	24			0	728		728
Open Hole Section			12.25				0	735		735

**Tools and Accessories**

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	8.625			699	Top Plug	8.625	1	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	1	HES
Stage Tool	8.625				Centralizers	8.625		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 <sup>3</sup> /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 ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal

2	Lead Cement	VARICEM (TM) CEMENT	170	sack	12.3	2.42		5	13.58
13.58 Gal		FRESH WATER							
0.1250 lbm		POLY-E-FLAKE (101216940)							
0.10 %		FE-2 (100001615)							
5 lbm		KOL-SEAL, BULK (100064233)							
<b>Fluid #</b>	<b>Stage Type</b>	<b>Fluid Name</b>	<b>Qty</b>	<b>Qty UoM</b>	<b>Mixing Density lbm/gal</b>	<b>Yield ft3/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/mi n</b>	<b>Total Mix Fluid Gal</b>
3	Tail Cement	VARICEM (TM) CEMENT	100	sack	13.5	1.86		5	9.37
0.10 %		FE-2 (100001615)							
0.1250 lbm		POLY-E-FLAKE (101216940)							
9.37 Gal		FRESH WATER							
5 lbm		KOL-SEAL, BULK (100064233)							
<b>Fluid #</b>	<b>Stage Type</b>	<b>Fluid Name</b>	<b>Qty</b>	<b>Qty UoM</b>	<b>Mixing Density lbm/gal</b>	<b>Yield ft3/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/mi n</b>	<b>Total Mix Fluid Gal</b>
4	Displacement	Displacement	43.5	bbl	8.33				
<b>Cement Left In Pipe</b>	<b>Amount</b>	<b>ft</b>	<b>Reason</b>				<b>Shoe Joint</b>		
Mix Water: pH	##		Mix Water Chloride:	##	ppm	Mix Water Temperature:	##	°F °C	
Cement Temperature:	##	°F °C	Plug Displaced by:	##	lb/gal kg/m3	XXXX	Disp. Temperature:	##	°F °C
Plug Bumped?	Yes/No		Bump Pressure:	####	psi MPa		Floats Held?	Yes/No	
Cement Returns:	##	bbl m3	Returns Density:	##	lb/gal kg/m3		Returns Temperature:	##	°F °C
<b>Comment</b>									

# Summary Report



Sales Order #: 0902455429  
WO #: 0902455429  
PO/AFE #: NA

Crew: \_\_\_\_\_

Job Start Date: 5/30/2015

Customer: BP AMERICA PROD CO-  
SORAC/NAG EBIZ  
UWI / API Number: 05-067-09928-00  
Well Name: TUBBS 32-6-9 A  
Well No: 2

Field: IGNACIO-BLANCO  
County/Parish: LA PLATA  
State: COLORADO  
Latitude: 37.032289  
Longitude: -107.504307  
Sect / Twn / Rng: 9/32/6

Job Type: CMT SURFACE  
CASING BOM  
Service Supervisor: David Hahn  
Cust Rep Name: MIKE COLBERT  
Cust Rep Phone #:

Remarks:		
The Information Stated Herein Is Correct	Customer Representative Signature <i>M. Gilbert</i>	Date 5-30-15
	Customer Representative Printed Name M. GILBERT	

## 2.0 Real-Time Job Summary

### 2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press <i>(psi)</i>	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	Recirc Density <i>(ppg)</i>	Comments
Event	1	Call Out	Call Out	5/30/2015	01:00:00	USER					CALL OUT @ 1 AM ON LOCATION TIME OF 0800
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	5/30/2015	04:00:00	USER					
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	5/30/2015	04:15:00	USER					
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	5/30/2015	05:30:00	USER					
Event	5	Other	MEET WITH COMPANY MAN	5/30/2015	08:00:00	USER					
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	5/30/2015	08:30:00	USER					
Event	7	Start Job	Start Job	5/30/2015	09:18:57	COM4	-16.70	8.52	0.00	8.22	
Event	8	Rig-Up Equipment	Rig-Up Equipment	5/30/2015	09:30:00	USER	-16.70	8.51	0.00	8.21	
Event	9	Rig-Up Completed	Rig-Up Completed	5/30/2015	09:45:00	USER	-19.70	8.50	0.00	8.20	
Event	10	Pre-Job Safety Meeting	Pre-Job Safety Meeting	5/30/2015	10:00:00	USER	-19.70	8.49	0.00	8.21	
Event	11	Test Lines	LOW TEST TO 250 PSI 5 MIN	5/30/2015	10:27:35	USER	223.30	8.28	0.00	8.21	
Event	12	Test Lines	HIGH TEST TO 2500 5 MIN	5/30/2015	10:33:14	USER	2486.30	8.44	0.00	8.18	
Event	13	Pump Spacer	10 BBL FRESH WATER	5/30/2015	10:39:29	USER	-12.70	7.78	1.10	8.20	
Event	14	Pump Lead Cement	PUMP 73 BBL LEAD @12.3 PPG	5/30/2015	10:47:53	USER	1.30	9.51	3.70	11.76	170 SKS 2.42 YEILD 13.58 WATER
Event	15	Pump Tail Cement	PUMP 33 BBL TAIL @ 13.5 PPG	5/30/2015	11:15:25	USER	52.30	13.50	3.90	13.53	100 SKS 1.86 YEILD 9.37 WATER) TOT 343.5FT



Event	16	Drop Plug	Drop Plug	5/30/2015	11:25:24	USER	5.30	14.08	0.00	0.00	
Event	17	Pump Displacement	PUMP 44 BBL DISPLACEMENT	5/30/2015	11:26:15	USER	-4.70	13.96	1.40	7.97	
Event	18	Shutdown	Shutdown	5/30/2015	11:38:23	USER	175.30	7.24	0.00	8.27	PUMPED 44 BBL CALCULATED DISPLACEMENT WAS 43.5 DIDNT BUMP PLUG 52 BBL CMT TO SURFACE
Event	19	Check Floats	Check Floats	5/30/2015	11:39:33	USER	46.30	7.25	0.00	8.27	CHECK FLOATS .5 BBL BACK FLOATS HOLDING
Event	20	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	5/30/2015	12:00:00	USER					
Event	21	Rig-Down Equipment	Rig-Down Equipment	5/30/2015	12:15:00	USER					
Event	22	Rig-Down Completed	Rig-Down Completed	5/30/2015	12:45:00	USER					
Event	23	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	5/30/2015	13:00:00	USER					
Event	24	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	5/30/2015	13:15:00	USER					

## 3.0 Attachments

### 3.1 Custom Results - Case 1.png

