

# HALLIBURTON

iCem® Service

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

**For: MIKE STARNES**

Date: Monday, June 08, 2015

**BP AMERICA bonifacio gallegos surface 902478698**

Case 1

Job Date: Monday, June 08, 2015

Sincerely, DAVID HAHN AND CREW

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The Road to Excellence Starts with Safety

Sold To #: 358135	Ship To #: 3660589	Quote #:	Sales Order #: 0902478698
Customer: BP AMERICA PROD CO-SORAC/NAG EBIZ		Customer Rep: MIKE STARNES	
Well Name: BONIFACIO GALLEGOS A	Well #: 3	API/UWI #: 05-067-09930-00	
Field: IGNACIO-BLANCO	City (SAP): IGNACIO	County/Parish: LA PLATA	State: COLORADO
Legal Description: SW SE-2-33N-8W-1153FSL-2530FEL			
Contractor: AZTEC WELL SERVICING CO		Rig/Platform Name/Num: AZTEC 507	
Job BOM: 7521			
Well Type: COAL DE-GAS			
Sales Person: HALAMERICA\HX38199		Srcv Supervisor: David Hahn	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	400ft		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	400		
Open Hole Section			12.25				0	400		

### Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	8.625			400	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	65	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 ft<sup>3</sup>/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 ft<sup>3</sup>/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/mi n</b>	<b>Total Mix Fluid Gal</b>
4	Displacement	Displacement	22.3	bbl	8.33				
<b>Cement Left In Pipe</b>	<b>Amount</b>	43.96 ft			<b>Reason</b>			Shoe Joint	
<b>Mix Water:</b>	<b>pH ##</b>	<b>Mix Water Chloride:</b> ## ppm			<b>Mix Water Temperature:</b> ## °F °C				
<b>Cement Temperature:</b>	<b>## °F °C</b>	<b>Plug Displaced by:</b> ## lb/gal kg/m <sup>3</sup> XXXX			<b>Disp. Temperature:</b> ## °F °C				
<b>Plug Bumped?</b>	<b>Yes/No</b>	<b>Bump Pressure:</b> ##### psi MPa			<b>Floats Held?</b> Yes/No				
<b>Cement Returns:</b>	<b>## bbl m<sup>3</sup></b>	<b>Returns Density:</b> ## lb/gal kg/m <sup>3</sup>			<b>Returns Temperature:</b> ## °F °C				
<b>Comment</b>									

# Summary Report



Sales Order #: 0902478698  
WO #: 0902478698  
PO/AFE #: ZDCS01DRL1

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

Job Start Date: 6/8/2015

Customer: BP AMERICA PROD CO-  
SORAC/NAG EBIZ  
UWI / API Number: 05-067-09930-00  
Well Name: BONIFACIO GALLEGOS A  
Well No: 3

Field: IGNACIO-BLANCO  
County/Parish: LA PLATA  
State: COLORADO  
Latitude: 37.129092  
Longitude: -107.686141  
Sect / Twn / Rng: 2/33/8

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

Remarks:		
<i>The Information Stated Herein Is Correct</i>	Customer Representative Signature 	Date <i>6-8-15</i>
	Customer Representative Printed Name <i>Mike Starnes</i>	

## 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	6/8/2015	14:30:00	USER					
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	6/8/2015	15:45:00	USER					
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	6/8/2015	16:15:00	USER					
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	6/8/2015	17:45:00	USER					
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	6/8/2015	18:30:00	USER					
Event	6	Rig-Up Equipment	Rig-Up Equipment	6/8/2015	19:00:00	USER					
Event	7	Rig-Up Completed	Rig-Up Completed	6/8/2015	20:15:00	USER					
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	6/8/2015	20:45:00	USER	8.30	8.49	0.00	8.39	
Event	9	Start Job	Start Job	6/8/2015	20:54:53	COM4	-16.70	8.49	0.00	8.37	
Event	10	Test Lines	low test to 300	6/8/2015	21:00:27	USER	316.30	7.98	0.00	8.36	
Event	11	Test Lines	high test to 2000	6/8/2015	21:05:53	USER	2469.30	8.33	0.00	8.27	
Event	12	Pump Spacer	pump 10 bbl fresh water	6/8/2015	21:11:45	USER	-11.70	7.72	1.30	8.37	
Event	13	Pump Lead Cement	pump 28 bbl lead @ 12.3 ppg	6/8/2015	21:19:10	USER	32.30	10.81	2.00	13.14	65 sks 2.43 yeild 13.58 h20
Event	14	Pump Tail Cement	pump 33 bbl tail @ 13.5 ppg	6/8/2015	21:39:27	USER	46.30	13.53	4.20	13.95	100 sks 1.86 yeild 9.37 h2o
Event	15	Drop Plug	Drop Plug	6/8/2015	21:53:28	USER	-16.70	15.79	0.00	9.94	
Event	16	Pump Displacement	pump 22.3 bbl displacement	6/8/2015	21:54:29	USER	31.30	9.44	3.30	10.90	

Event	17	Bump Plug	Bump plug @ 100 take to 550	6/8/2015	22:03:16	USER	538.30	9.40	0.00	9.56	30 bbl cement back to surface
Event	18	Check Floats	.25 bbl back	6/8/2015	22:05:00	USER	-19.70	9.40	0.00	10.35	
Event	19	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	6/8/2015	22:15:00	USER	-24.70	9.43	0.00	10.32	
Event	20	Rig-Down Equipment	Rig-Down Equipment	6/8/2015	22:20:00	USER					
Event	21	Rig-Down Completed	Rig-Down Completed	6/8/2015	23:00:00	USER					
Event	22	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	6/8/2015	23:15:00	USER					
Event	23	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	6/8/2015	23:30:00	USER					

## 3.0 Attachments

### 3.1 Custom Results - Case 1.png

