

**ANADARKO PETROLEUM CORP - EBUS  
DO NOT MAIL - PO BOX 4995  
THE WOODLANDS, Texas**

Elliott 30N-18HZ

**Majors 42**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 3/11/2014  
Version: 1

Service Supervisor: NIELSON, BRANDON

Submitted by: TRIER, DEREK

**HALLIBURTON**

# HALLIBURTON

## Wellbore Geometry

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Job Tubulars					MD		TVD		Excess	Shoe Joint Length
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft	%	ft
Casing	SURFACE	9.63	8.921	36.00	0.00	1,072.00	0.00	1,072.00		42.00

# HALLIBURTON

## ***Pumping Schedule***

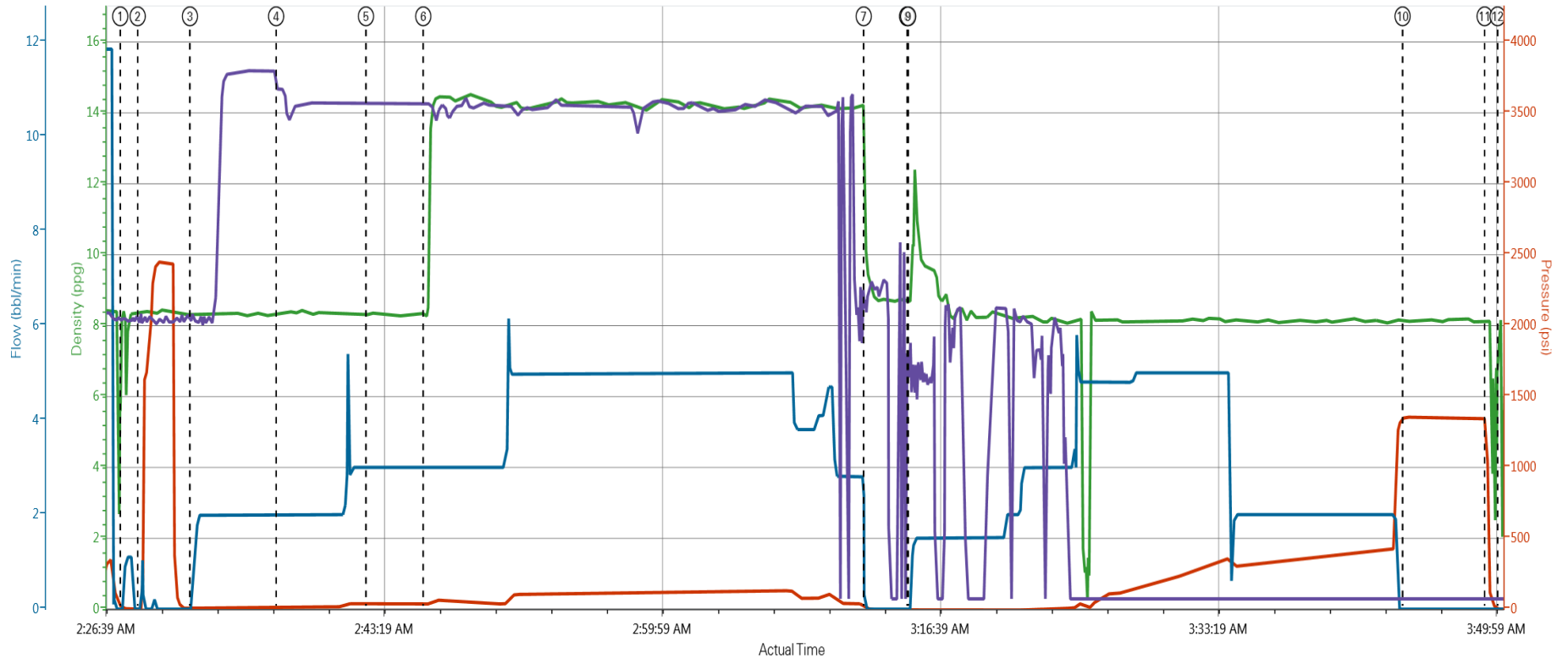
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<b>Stage /Plug #</b>	<b>Fluid #</b>	<b>Fluid Type</b>	<b>Fluid Name</b>	<b>Surface Density lbm/gal</b>	<b>Avg Rate bbl/min</b>	<b>Surface Volume</b>	<b>Downhole Volume</b>
1	1	Spacer	Fresh Water Spacer	8.33	2.00	10.0 bbl	10.0 bbl
1	2	Spacer	MUD FLUSH	8.50	2.00	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	3.00	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.00	402.0 sacks	402.0 sacks

# HALLIBURTON

## Data Acquisition

ANADARKO ELLIOTT 30N-18HZ



DH Density (ppg) PS Pump Press (psi) PS Pump Rate (bbl/min) Recirc Density (ppg)

- ① Start Job 8.43;9,0;8.29      ④ Pump Spacer 2 8.36;15,2;14.66      ⑦ Shutdown 10.02;11,0;8.36      ⑩ Bump Plug 8.16;1353;0;0.29
- ② Test Lines 8.38;-1,0;8.19      ⑤ Pump Spacer 1 8.31;38,3;14.28      ⑧ Drop Top Plug 8.69;-7,0;6.81      ⑪ Other 8.15;1043;0;0.29
- ③ Pump Spacer 1 8.33;-2,0;8.23      ⑥ Pump Cement 8.28;36,3;14.26      ⑨ Pump Displacement 8.68;-7,0;6.94      ⑫ End Job 8.18;-3,0;0.29

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
02/23/2014 22:00		Call Out					
02/24/2014 00:45		Crew Leave Yard					
02/24/2014 01:30		Arrive At Loc					UPON ARRIVAL RIG HAD CASING ON BOTTOM AND CIRCULATING SINCE 00:30
02/24/2014 01:45		Rig-Up Equipment					
02/24/2014 02:10		Safety Meeting					JSA WITH ALL INVOLVED PERSONS
02/24/2014 02:27		Start Job					
02/24/2014 02:28		Test Lines					TESTED LINES TO 2500 PSI NO VISIBLE LEAKS
02/24/2014 02:31		Pump Spacer 1	2	10		16.0	FRESH WATER
02/24/2014 02:37		Pump Spacer 2	2	12		17.0	MED FLUSH
02/24/2014 02:42		Pump Spacer 1	3	10		37.0	FRESH WATER
02/24/2014 02:46		Pump Cement	5	110		123.0	402 SKS SWIFTCEM MIXED @ 14.2 PPG WITH FRESH WATER
02/24/2014 03:12		Shutdown					
02/24/2014 03:14		Drop Top Plug					PLUG PRE LAODE WITNESSED BY COMPANY REP
02/24/2014 03:15		Pump Displacement	5	79.3		272.0	FRESH WATER. Cement returned to surface 68 bbl into leaving us with 11 bbl back
02/24/2014 03:44		Bump Plug	2			430.0	
02/24/2014 03:49		Check Floats				1358.0	FLOATS HELD
02/24/2014 03:50		End Job					

*The Road to Excellence Starts with Safety*

Sold To #: 300466		Ship To #: 3274570		Quote #:		Sales Order #: 901141527	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: 42, Majors			
Well Name: Elliott			Well #: 30N-18HZ		API/UWI #: 05-123-38626		
Field:		City (SAP): PLATTEVILLE		County/Parish: Weld		State: Colorado	
Contractor: Majors			Rig/Platform Name/Num: Majors 42				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: FLING, MATTHEW			Srcv Supervisor: NIELSON, BRANDON		MBU ID Emp #: 479703		

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
Elam, Justin	3.0	551617	NIELSON, BRANDON K	3.0	479703	ROMERO, JOSEPH M	3.0	512137

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11542778	24 mile	11748359	24 mile	11923776C	24 mile	12010172	24 mile

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL <span style="float: right;">Total is the sum of each column separately</span>								

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	23 - Feb - 2014	22:00	MST
Form Type			BHST	On Location	24 - Feb - 2014	01:30	MST
Job depth MD	1066. ft		Job Depth TVD	1066. ft	Job Started	24 - Feb - 2014	02:27
Water Depth			Wk Ht Above Floor	2. ft	Job Completed	24 - Feb - 2014	03:50
Perforation Depth (MD)	From		To		Departed Loc	24 - Feb - 2014	04:30

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
SURFACE	Unknown		9.625	8.921	36.		P-110	.	1072.	.	1072.

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

### 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> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		10.00	bbl	8.33			2.0	
2	MUD FLUSH		12.00	bbl	8.5			2.0	
42 gal/bbl		MUD FLUSH III - SBM (528788)							
0.4 lbm/bbl		MUD FLUSH III, 40 LB SACK (101633304)							
42 gal/bbl		FRESH WATER							
1	Fresh Water Spacer		10.00	bbl	8.33			3.0	
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	402.0	sacks	14.2	1.54	7.66	5.0	7.66
7.66 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	79.3	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	11	Actual Displacement	79.3	Treatment	
Frac Gradient		15 Min		Spacers	32	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement	5.0	Avg. Job			
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

