

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

KERBS 32N-13HZ

Majors 29

Post Job Summary

Cement Surface Casing

Date Prepared: 2/16/2014
Version: 1

Service Supervisor: LAVALLEY, LARRY

Submitted by: TRIER, DEREK

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	1,069.00	45.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,069.00	0.00

HALLIBURTON

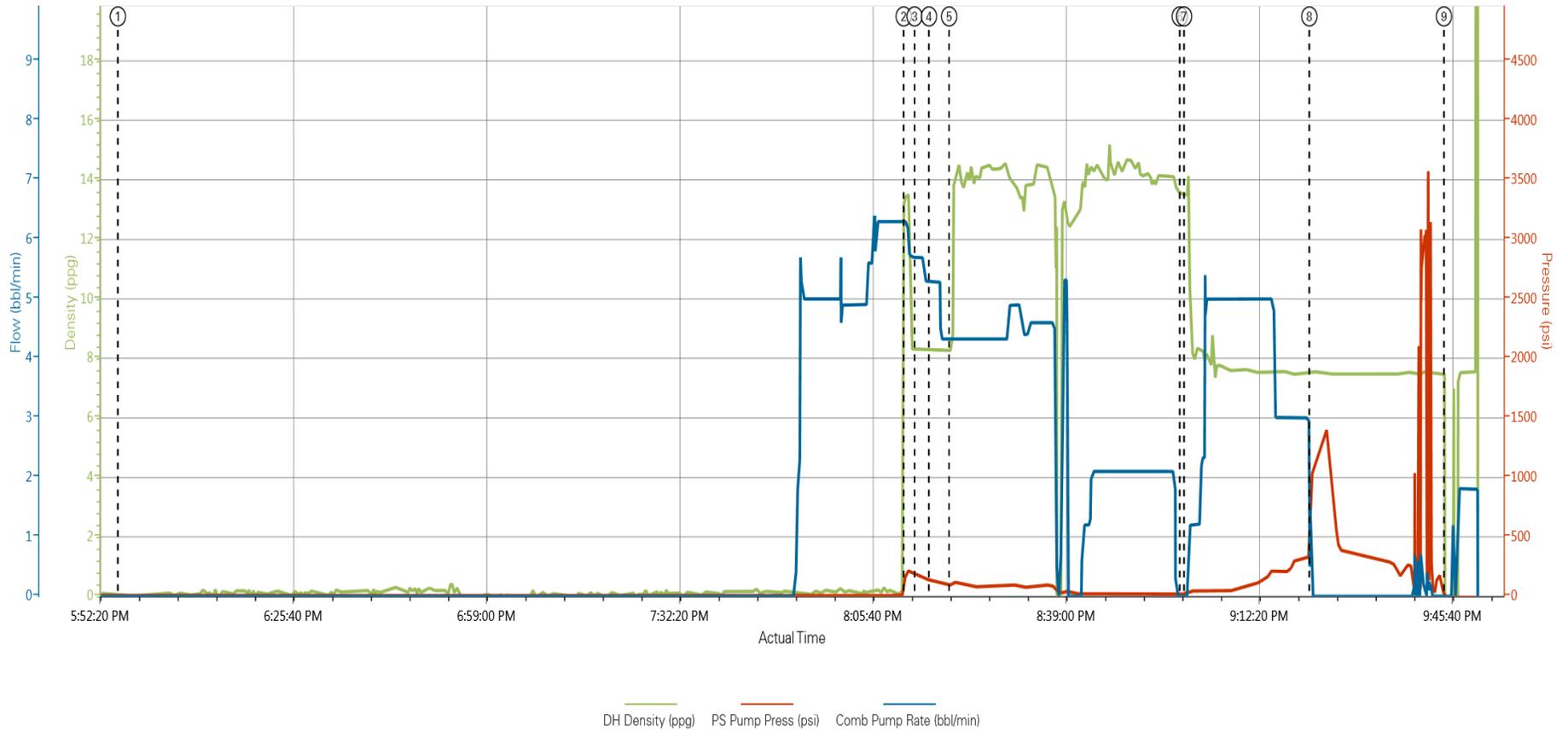
Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	5.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	5.00	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	5.00	10.0 bbl	10.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.00	419.0 sacks	419.0 sacks

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Data Acquisition

Custom Results



- ① Start Job 0.05;7,0 ④ Pump Spacer 1 8.25;130;5.3 ⑦ Pump Displacement 13.5;18;0
- ② Pump Spacer 1 13.51;196;6.3 ⑤ Pump Lead Cement 8.22;95;4.4 ⑧ Bump Plug 7.53;1028;0
- ③ Pump Spacer 2 8.33;184;5.7 ⑥ Drop Top Plug 13.51;19;0 ⑨ End Job -13.74;-8;0

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
02/05/2014 14:30		Wait on HES or HES Sub-Contractor Equipment - Star					2.5 HRS LATE TO LOCATION DUE TO PROBLEMS WITH LOADING OF CEMENT FROM BULK PLANT
02/05/2014 17:00		Arrive at Location from Service Center					DID HAZARD HUNT AND ASSESSMENT OF LOCATION
02/05/2014 17:50		Wait on HES or HES Sub-Contractor Equipment - End					
02/05/2014 19:30		Pre-Job Safety Meeting					
02/05/2014 19:35		Start Job					
02/05/2014 19:36		Other					STARTED TO PRIME UP AND RIG TANK VALVE WAS FROZEN THEN HES ROCK CATCHER FROZE AND THEN HT ON PUMP FROZE.GOT ALL UNFROZE AND BEGAN JOB.
02/05/2014 20:11		Test Lines					DID NOT TEST DUE TO -3 OUTSIDE TEMP
02/05/2014 20:11		Pump Spacer 1	5	10		196.0	RIG WATER WITH NO ADDITIVES
02/05/2014 20:13		Pump Spacer 2	5	12		184.0	RIG WATER WITH MUDFLUSH III ADDED
02/05/2014 20:15		Pump Spacer 1	5	10		130.0	RIG WATER WITH NO ADDITIVES
02/05/2014 20:19		Pump Lead Cement	5	115		95.0	419 SKS SWIFTCEM B2 MIXED @ 14.2 PPG YIELD OF 1.54 FT3/SK AND 7.66 GAL/SK. HAD DELIVERY PROBLEMS FROM BULK TRUCK HAD TO HAND MIX LAST POD OF CEMENT.ALL SCALED WITHEN 2/10TH
02/05/2014 20:59		Drop Top Plug					PRELOADED HWE TOP PLUG
02/05/2014 20:59		Pump Displacement	5	79		408.0	RIG WATER WITH NO ADDITIVES,SPACER RETURNED TO SURFACE @ 38 BBLS AWAY AND GOT 16 BBLS CEMENT BACK TO SURFACE.
02/05/2014 21:21		Bump Plug	2			1028.0	CALCULATED PRESSURE TO LAND WAS 405 AND PRESSURE TO LIFT WAS 450 PSI.
02/05/2014 21:25		Other					FLOATS DID NOT HOLD LEFT WELL SHUT IN AND WAITED ON LOCATION WITH HEAD AND MANIFOLD.
02/05/2014 21:44		End Job					HELD RIG DOWN SAFETY MEETING

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3206323		Quote #:		Sales Order #: 901089608	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: Case, Randy			
Well Name: KERBS			Well #: 32N-13HZ		API/UWI #: 05-123-38183		
Field: WATTENBERG		City (SAP): PLATTEVILLE		County/Parish: Weld		State: Colorado	
Lat: N 40.228 deg. OR N 40 deg. 13 min. 42.348 secs.				Long: W 104.943 deg. OR W -105 deg. 3 min. 26.075 secs.			
Contractor: Majors			Rig/Platform Name/Num: Majors29				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: GREGORY, JON			Srvc Supervisor: LAVALLEY, LARRY			MBU ID Emp #: 419296	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROOM, KENDALL L	0.0	524682	LAVALLEY, LARRY P	0.0	419296	STIELER, KENT	0.0	554541
TAMES, ENRIQUE	0.0	123456						

Equipment

HES Unit #	Distance-1 way						
10994445	20 mile	11410662	20 mile	11488570C	20 mile	11518549	20 mile
11748359	20 mile	11923776C	20 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	BHST		On Location	05 - Feb - 2014	17:00	MST
Job depth MD	1075. ft	Job Depth TVD	1069. ft	Job Started	05 - Feb - 2014	20:00
Water Depth		Wk Ht Above Floor	6. ft	Job Completed	05 - Feb - 2014	21:45
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	05 - Feb - 2014	22:30	MST

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
13 1/2" Open Hole Section				13.5				.	1069.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1069.		

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

1	Fresh Water Spacer		10.00	bbbl	8.33			5.0	
2	Mud Flush		12.00	bbbl	8.4			5.0	
	3.5 lbm/bbl	MUD FLUSH III, 40 LB SACK (101633304)							
	42 gal/bbl	MUD FLUSH III - SBM (528788)							
1	Fresh Water Spacer		10.00	bbbl	8.33			5.0	
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	419.0	sacks	14.2	1.54	7.66	5.0	7.66
	7.66 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	16	Actual Displacement	79	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	45 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					

