

HALLIBURTON

iCem® Service

Post Job Report

ANADARKO PETROLEUM CORP - EBUS

Date: Wednesday, June 18, 2014

Berry Farms 32N-8HZ Surface

Sincerely,
Derek Trier

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1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Berry Farms 32N-8HZ** cement **Surface** casing job. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

Halliburton [Brighton]

Job Times

	Date	Time	Time Zone
Requested Time On Location	4/3	1400	MST
Called Out	4/3	1000	
On Location	4/3	1355	
Job Started	4/3	1617	
Job Completed	4/3	1730	
Departed Location	4/3	1830	

1.2 Cementing Job Summary

<i>The Road to Excellence Starts with Safety</i>					
Sold To #: 300466		Ship To #: 3286269		Primary Sales Order #: 0901247147	
Customer: ANADARKO PETROLEUM CORP - EBUS			Job Purpose: 7521 CMT SURFACE CASING BOM		
Well Name: BERRY FARMS			Well #: 32N-8 HZ		API/UWI #: 05-123-38894-00
Field: WATTENBERG		City: PLA		Country/Parish: WELD	State/Prov: COLORADO
Legal Description:					
Rig Name & Number / Phone Number: Majors 29 / 307-660-1292					Location: LAND
myCem id# :		Job Criticality Status: GREEN		iFacts Request id #:	
Contacts					
Type	Name	Email	Phone		
Service Coordinator	Jared Whipple	Jared.Whipple@Halliburton.com	+17206068049		
Account Rep	Jon Gregory	Jon.Gregory@Halliburton.com	+19702104722		
Company Man					
<i>PPE, Safety Huddles, JSA's, HOC & Near Miss Reporting, BBP Observations</i>					
Distance/Mileage(1 way)		30 mile	Distance/Mileage(1 way) Mtls:		30 mile
Srvcs:			Rqstd Job Start Date/Time:		04/03/2014
HSE Information					
H2S Present:		Unknown	CO2 Present:		Unknown
Drive Safely. Lights On for Safety. Wear Seat Belts. Observe all HES / Customer Safety Policies.					
Directions:					
CR 8 WEST TO HWY 85, NORTH TO HWY 66, WEST TO CR 21, NORTH TO CR34, WEST TO CR 17, NORTH 0.7 MILES AND LOCATION IS ON THE LEFT.					
Instruction					
Job Info / Well Data					
Job Depth (MD) ft	Job Depth (TVD) ft	Well Fluid Type	Well Fluid Weight lbm/gal	Displacement Fluid	Displ Fluid Weight lbm/gal
850				Displacement	8.33
BHST degF	BHCT degF	Log Temp degF		Time Since Circ Stopped HH:MM:SS	

Job Tubulars/Tools											
Description	Size in	Weight lbm/ft	ID in	Thread	Grade	Top MD ft	Btm MD ft	Top TVD ft	Btm TVD ft	Shoe Jnt ft	% Excess
13.5" Open Hole			13.5			0	850			0	
9.625" Surface Casing	9.625	36	8.921		J-55	0	817			42	
Materials											
Stage/Plug #: 1											
Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft ³ / sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixing Time	
	Mud Flush III (Powder)		12	bbl	8.4						
Facts Test id #											
Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft ³ / sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixing Time hr	
	Lead Cement	SWIFTCEM (TM) SYSTEM	310	sack	14.2	1.537	7.63	6	7.63		
Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft ³ / sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixin Time	
	Displacement		60	bbl	8.33						
Facts Test id #											
Packaged Materials											

SAP #	Material	Qty	UOM	Comments	
	FRESH WATER	2869.4	Gal		

1.3 Planned 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	8.33	5.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush III	8.40	5.00	12.0 bbl	12.0 bbl
1	3	Spacer	Fresh Water	8.33	5.00	10.0 bbl	10.0 bbl
1	4	Cement Slurry	SwiftCem	14.20	5.00	310.0 sacks	310.0 sacks

1.4 Job Overview

		Units	Description
1	Surface temperature at time of job	°F	
2	Mud type (OBM, WBM, SBM, Water, Brine)	-	WBM
3	Actual mud density	lb/gal	
4	Actual mud Plastic Viscosity (PV)	cP	
5	Actual mud Yield Point (YP)	lb _f /100ft ²	
6	Actual mud 30 min Gel Strength	lb _f /100ft ²	
7	Time circulated before job	HH:MM	
8	Mud volume circulated	Bbls	
9	Rate at which well was circulated	Bpm	
10	Pipe movement during hole circulation	Y/N	N
11	Rig pressure while circulating	Psi	
12	Time from end mud circulation to start of job	HH:MM	
13	Pipe movement during cementing	Y/N	N
14	Calculated displacement	Bbls	60
15	Job displaced by	Rig/HES	HES
16	Annular flow before job	Y/N	N
17	Annular flow after job	Y/N	N
18	Length of rat hole	Ft	
19	Units of gas detected while circulating	Units	
20	Was lost circulation experienced at any time?	Y/N	N

1.5 Job Event Log

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*Cementing Job Log**The Road to Excellence Starts with Safety*

Sold To #: 300466	Ship To #: 3368087	Quote #:	Sales Order #: 0901247147
Customer: ANADARKO PETROLEUM CORP - EBUS	Customer Rep: Case, Randy		
Well Name: Berry Farms	Well #: 32N-8 HZ	API/UWI #: 05-123-38894-00	
Field: Wattenberg	City (SAP): Mead	County/Parish: Weld	State: Colorado
Lat: .	Long:		
Contractor: Majors	Rig/Platform Name/Num: Majors 29		
Job Purpose: Cement Surface Casing	Ticket Amount:		
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: GREGORY, JON	Srv Supervisor: GIBBS, JASON	MBU ID Emp #: 300487	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	4/3/14 1355							Rig still running pipe in hole
Assessment Of Location Safety Meeting	4/3/14 1400							Hazard Hunt and Discuss 3rd party activities
Pre-Rig Up Safety Meeting	4/3/14 1410							Review JSA and Discuss Rig up layout
Rig-Up Equipment	4/3/14 1425							
Rig-Up Completed	4/3/14 1445							
Pre-Job Safety Meeting	4/3/14 1600							With Customer and 3rd Parties involved
Start Job	4/3/14 1617							
Pump Water	4/3/14 1620							Fill Lines
Test Lines	4/3/14 1622						2500	
Pump Water	4/3/14 1626		5	10			0	Fresh Water
Pump Spacer	4/3/14 1629		5	12			0	Mud Flush
Pump Water	4/3/14 1631		5	10			70	Fresh Water
Pump Cement	4/3/14 1647		5	85			57	310sks @ 14.2ppg, 1.54yield, 7.66gal/sk
Shutdown	4/3/14 1650						0	
Drop Top Plug	4/3/14 1650						565	
Pump Displacement	4/3/14 1709		5	60				Fresh Water
Cement Returns to Surface	4/3/14 1719							60 bbls Displaced 0 bbls to Pit
Bump Plug	4/3/14 1722						1203	
Check Floats	4/3/14 1728						1117	Floats Good, Bump pressure back up to check floats per Company man
End Job	4/3/14 1730							Thanks Jason and Crew

