

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

Xcel 22N-22HZ

Majors 29

Post Job Summary

Cement Surface Casing

Date Prepared: 12/13/2013
Version: 1

Service Supervisor: BIRCHELL, DEVIN

Submitted by: GROVES, COREY

HALLIBURTON

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	1,031.00	43.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,031.00	0.00

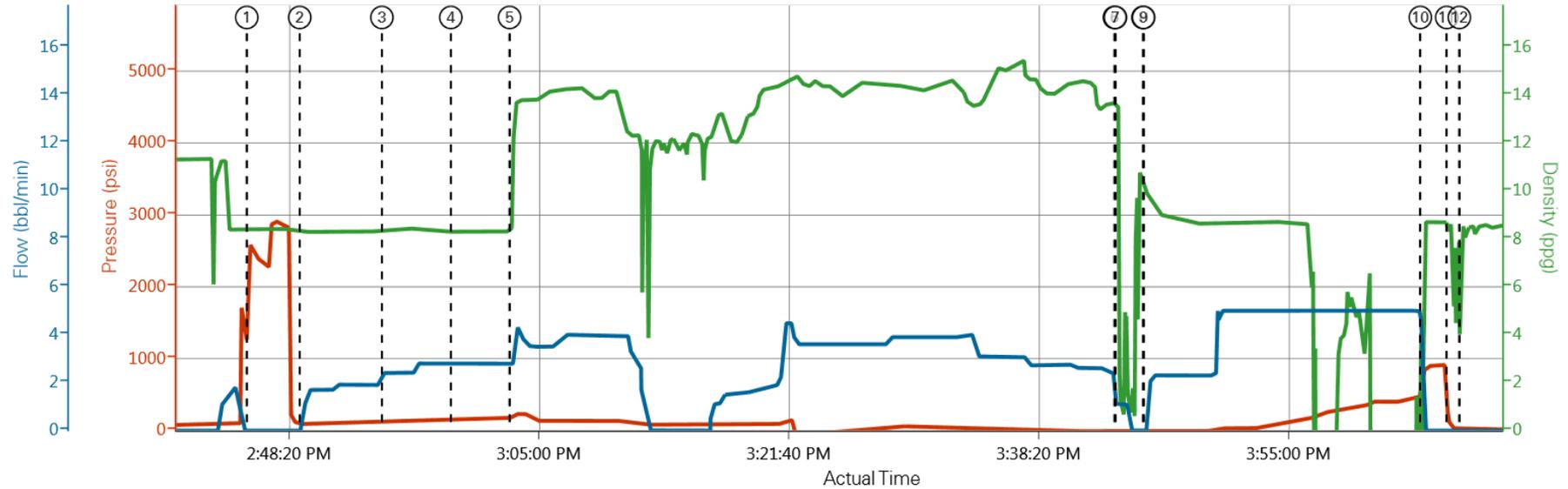
HALLIBURTON

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	3.00	20.0 bbls	20.0 bbls
1	2	Spacer	Mud Flush	8.40	3.00	10.0 bbls	10.0 bbls
1	3	Cement Slurry	SwiftCem B2	14.20	4.00	390.0 sks	390.0 sks

Data Acquisition

Anadarko Xcel 22N-22HZ



Truck 1 Pr (psi) Truck 1 Dens (ppg) Truck 1 Slry Rt (bbl/min)

① Test Lines 2567;8.43;0	④ Pump Spacer 1 163;8.3;2.8	⑦ Clean Lines -8;3.1;1.1	⑩ Bump Plug 844;8.67;0
② Pump Spacer 1 91;8.39;0.6	⑤ Pump Lead Cement 190;12.37;2.8	⑧ Drop Top Plug -13;9.94;0	⑪ Check Floats 71;8.61;0
③ Pump Spacer 2 147;8.33;2.4	⑥ Shutdown -8;13.5;1.1	⑨ Pump Displacement -13;9.81;0	⑫ End Job 9;8.65;0

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pressure (psig)	Comments
11/15/2013 08:00		Call Out				Called Out Cement Crew For Anadarko Xcel 22N-22HZ Surface
11/15/2013 13:20		Pre-Convoy Safety Meeting				Discussed Hazards On Route To Location, Weather, Other Traffic, Route
11/15/2013 13:30		Depart from Service Center or Other Site				Departed Late From Service Center, Bulk Truck Was Not Loaded
11/15/2013 13:30		Circulate Well				Rig circulating waiting for halliburton to arrive to location and rig up
11/15/2013 14:00		Arrive At Loc				Arrived To location Talked With Company Rep On Volumes, Rates, Depths
11/15/2013 14:10		Pre-Rig Up Safety Meeting				Discussed Hazards With Cement Crew For Rigging Up Iron and Water Hoses
11/15/2013 14:15		Rig-Up Equipment				
11/15/2013 14:30		Pre-Job Safety Meeting				Discussed Job Procedures With Cement and Rig Crews
11/15/2013 14:40		Rig-Up Completed				Finished Rigging Up To The Floor And Well Head
11/15/2013 14:44		Prime Pumps				Primed Pumps and Lines For Pressure Test
11/15/2013 14:46		Pressure Test				Test Pump and Lines to 5416 psi
11/15/2013 14:48		Pump Spacer		10	130.0	Pumped 10 bbls Fresh Water Spacer
11/15/2013 14:53		Pump Spacer 1		12	150.0	Pumped 12 bbls Mud Flush III Spacer
11/15/2013 14:58		Pump Spacer 2		10	164.0	Pumped 10 bbls Fresh Water Spacer
11/15/2013 15:03		Pump Cement		106	190.0	Pumped 106 bbls (390sks) 14.2 ppg Slurry, Yield 1.53 ft3/sk Water 7.63 gal/sk
11/15/2013 15:43		Drop Plug				Dropped Plug With Driller Witnessing
11/15/2013 15:45		Pump Displacement				Pumped 76 bbls Fresh Water Displacement
11/15/2013 15:45		Clean Lines				Washed Pump and Lines on Plug
11/15/2013 15:55		Spacer Returns to Surface		32	87.0	10 bbls Fresh Water, 12 bbls Mud Flush III, 10 bbls Water
11/15/2013 16:01		Cement Returns to Surface		64	365.0	12 bbls Cement Returns To Surface
11/15/2013 16:02		Slow Rate		66	365.0	Slowed Rate To Bump Plug
11/15/2013 16:04		Bump Plug		76	385.0	Bumped Plug With 385 psi Took Pressure to 906 psi
11/15/2013 16:05		Check Floats			906.0	Checked Floats, Floats Held With .5 bbls Back To Truck
11/15/2013 16:06		Job Complete				
11/15/2013 16:10		Post-Job Safety Meeting (Pre Rig-Down)				Discussed Hazards With Crew For Rigging Down Iron and Water Hoses
11/15/2013 16:15		Rig-Down Equipment				
11/15/2013 16:45		Rig-Down Completed				
11/15/2013 16:50		Pre-Convoy Safety Meeting				Discussed Hazards On Route To Service Center, Weather, Other Traffic, Route
11/15/2013 17:00		Depart Location for Service Center or Other Site				Thank You For Using Halliburton Energy Services

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3201409		Quote #:		Sales Order #: 900904034	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: PORTER, BOB			
Well Name: Xcel			Well #: 22N-22HZ		API/UWI #: 05-123-38393		
Field: Wattenberg		City (SAP): DACONO		County/Parish: Weld		State: Colorado	
Lat: N 40.016 deg. OR N 40 deg. 0 min. 57.974 secs.				Long: W 104.088 deg. OR W -105 deg. 54 min. 43.742 secs.			
Contractor: Majors			Rig/Platform Name/Num: Majors 29				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: PLIENESS, RYAN			Srvc Supervisor: BIRCHELL, DEVIN			MBU ID Emp #: 466993	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BIRCHELL, DEVIN Ray	0.0	466993	MILLER, GEOFFREY Alan	0.0	460232	VIATOR, JASON R.	0.0	550394

Equipment

HES Unit #	Distance-1 way						
10822531C	20 mile	11341988C	20 mile	11633848	20 mile	12010171	20 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL								

Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					15 - Nov - 2013	08:00	MST
Form Type			BHST	On Location	15 - Nov - 2013	14:00	MST
Job depth MD	1042. ft		Job Depth TVD	1042. ft	Job Started	15 - Nov - 2013	14:46
Water Depth			Wk Ht Above Floor	4. ft	Job Completed	15 - Nov - 2013	16:05
Perforation Depth (MD)	From		To		Departed Loc	15 - Nov - 2013	17:00

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				.	1031.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1031.		

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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Fresh Water Spacer		20	bbl	8.33			3.0		
2	Mud Flush		10	bbl	8.4			3.0		
	3.5 lbm/bbl	MUD FLUSH III, 40 LB SACK (101633304)								
	42 gal/bbl	MUD FLUSH III - SBM (528788)								
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	390	sacks	14.2	1.53	7.63	4.0	7.63	
	7.63 Gal	FRESH WATER								
Calculated Values		Pressures			Volumes					
<i>Displacement</i>		Shut In: Instant			Lost Returns		<i>Cement Slurry</i>		Pad	
Top Of Cement		5 Min			Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min			Spacers		Load and Breakdown		Total Job	
Rates										
<i>Circulating</i>		<i>Mixing</i>			<i>Displacement</i>			Avg. Job		
<i>Cement Left In Pipe</i>		Amount	43 ft	<i>Reason</i>	Shoe Joint					
<i>Frac Ring # 1 @</i>	<i>ID</i>	<i>Frac ring # 2 @</i>	<i>ID</i>	<i>Frac Ring # 3 @</i>	<i>ID</i>	<i>Frac Ring # 4 @</i>	<i>ID</i>			
The Information Stated Herein Is Correct					Customer Representative Signature					

