

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

NRC 3C-4HZX

Xtreme 24

Post Job Summary **Cement Production Liner**

Date Prepared: 12/29/2015
Version: 1

Service Supervisor: FANTASIA, JOSEPH

Submitted by: TRIER, DEREK

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD	
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft
Liner	4 1/2"	4.50	.000		7,056.00	17,357.00

HALLIBURTON

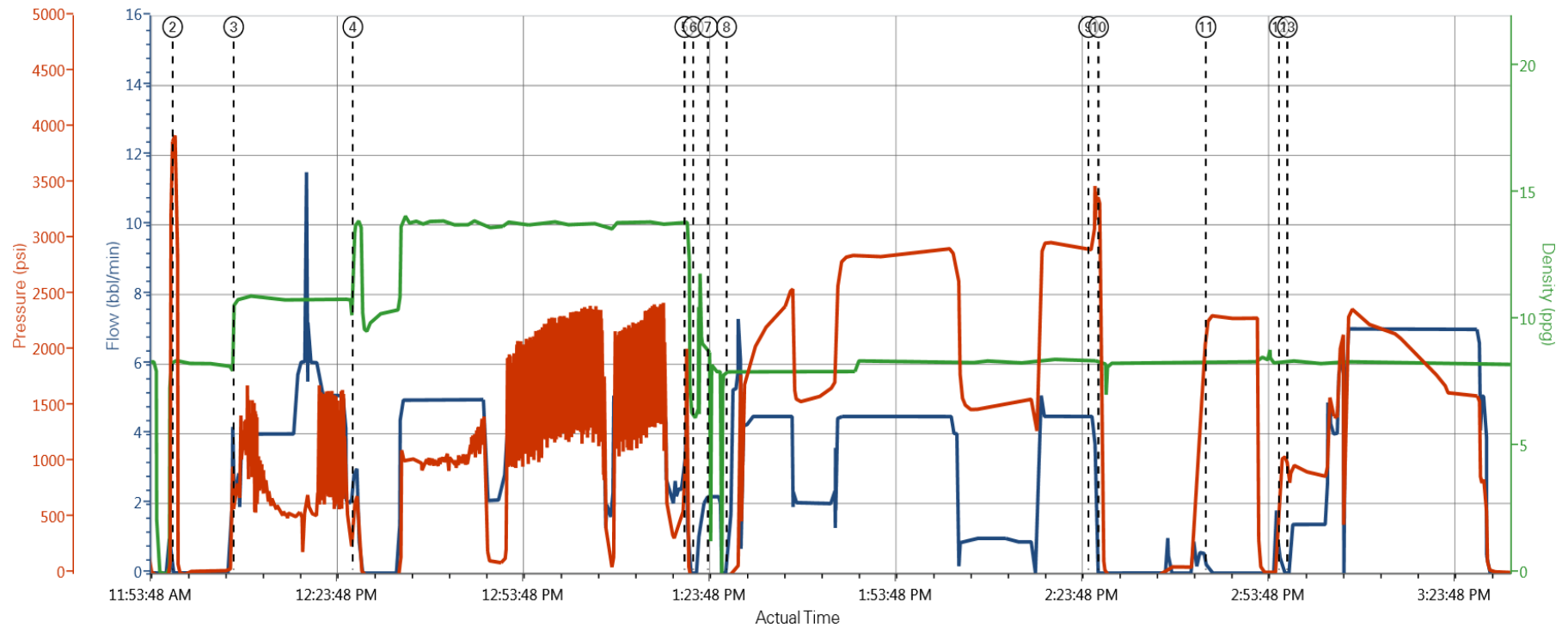
Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Clean Spacer III	11.00	4.00	50.0 bbl	50.0 bbl
1	2	Cement Slurry	EXPANDACEM B2	13.80	5.00	691.0 sacks	691.0 sacks

HALLIBURTON

Data Acquisition

ANADARKO NRC 3C-4HZ LINER



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

- | | | | | |
|-------------------------------|--------------------------------|---------------------------------|--------------------------------------|-------------------------------|
| ① Start Job 0;8.17;22 | ④ Pump Lead Cement 3;13.82;688 | ⑦ Drop Top Plug 2.2;7.66;-30 | ⑩ Check Floats 0;8.36;1924 | ⑬ Circulate Well 1.4;8.43;915 |
| ② Test Lines 0;8.37;3911 | ⑤ Shutdown 0;13.85;114 | ⑧ Pump Displacement 1.1;7.87;17 | ⑪ Pressure Test Backside 0;8.38;2316 | |
| ③ Pump Spacer 1 2.6;10.85;773 | ⑥ Clean Lines 0;6;-48 | ⑨ Bump Plug 4.5;8.36;2903 | ⑫ Pressure Up Drill Pipe 0;8.37;1039 | |

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
03/24/2014 07:30		Arrive at Location from Service Center							ARRIVE ON LOCATION AT 0730. CASING ON BOTTOM AT 0800. RIG TO CIRCULATE BOTTOMS UP.
03/24/2014 07:45		Assessment Of Location Safety Meeting							PERFORM SITE ASSESSMENT AND PRE JOB SAFETY MEETING. PASON GAS READING 1400 UNITS AT TIME OF JOB START.
03/24/2014 09:50		Start Job							3RD PARTY DROPS BALL. RIG TO CIRCULATE BALL TO SEAT AND SET HANGER.
03/24/2014 10:00		Other							BATCH MIXER ON LOCATION
03/24/2014 11:57		Test Lines						4040.0	PRESSURE TEST LINES TO 4000 PSI.
03/24/2014 12:07		Pump Spacer 1	4	50				1100.0	50 BBLS CLEAN SPACER BATCH MIXED AT 11 PPG USING SUPPLIED WATER. DENSITY VERIFIED BY SCALES.
03/24/2014 12:26		Pump Cement	5	205				2200.0	691 SKS EXPANDACEM MIXED AT 13.8 PPG USING SUPPLIED WATER. DENSITY VERIFIED BY SCALE.
03/24/2014 13:20		Shutdown							
03/24/2014 13:21		Clean Lines							CLEAN LINES TO WASH UP TANK.
03/24/2014 13:24		Drop Top Plug							3RD PARTY DROPS DART.
03/24/2014 13:27		Pump Displacement	4.5	216				2800.0	GOOD RETURNS THROUGHOUT.
03/24/2014 14:25		Bump Plug	3					2903.0	PLUG LANDED AT 2903 PSI. PRESSURE BROUGHT TO 3500 PSI AND HELD 1 MIN.
03/24/2014 14:26		Check Floats							FLOATS HELD
03/24/2014 14:36		Set Packer							3RD PARTY SETS PACKER
03/24/2014 14:44		Pressure Test						2290.0	PRESSURE TEST BACKSIDE TO 2300 PSI FOR 10 MIN.
03/24/2014 14:56		Other						1040.0	PRESSURE UP 1000 PSI ON DRILL PIPE WHILE RIG STINGS OUT OF HANGER.
03/24/2014 14:57		Circulate Well	7	190				2300.0	CIRCULATE ON TOP OF HANGER UNTIL CLEAN. APPROX 50 BBLS SPACER AND 10 BBLS CEMENT TO SURFACE. PUMPED A TOTAL OF 190 BBLS WATER. FRESH WATER AT SHAKER WHEN SHUTDOWN.
03/24/2014 16:00		End Job							PERFORM PRERIG DOWN SAFETY MEETING WITH HES CREW. LEAVE LOCATION AT 1700.

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3271821	Quote #:	Sales Order #: 901193486
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: 24, Xtreme	
Well Name: NRC		Well #: 3C-4HZ	API/UWI #: 05-123-38607
Field: WATTENBERG	City (SAP): IONE	County/Parish: Weld	State: Colorado
Lat: N 40.059 deg. OR N 40 deg. 3 min. 33.221 secs.		Long: W 104.898 deg. OR W -105 deg. 6 min. 7.128 secs.	
Contractor: Xtreme		Rig/Platform Name/Num: Xtreme 24	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: FLING, MATTHEW	Srvc Supervisor: FANTASIA, JOSEPH		MBU ID Emp #: 485445

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ELAM, JUSTIN	9.5	1	FANTASIA, JOSEPH Brandon	9.5	485445	GARCIA, GREGG	9.5	1
MARKOVICH, STEVEN Michael	9.5	502964	PATTILLO, RICK	9.5	561965	STIELER, KENT	7.0	554541

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	6 mile	11036298	6 mile	11645063	6 mile	11667703C	6 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

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To
				BHST	17357. ft				

Job Times

Called Out	Date	Time	Time Zone
On Location	24 - Mar - 2014	07:30	MST
Job Started	24 - Mar - 2014	11:00	MST
Job Completed	24 - Mar - 2014	16:00	MST
Departed Loc	24 - Mar - 2014	17:00	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
4 1/2"	New		4.5	.				7056.	17357.		

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	Clean Spacer III		50.00	bbl	11.	3.13	18.78	4.0	
2	EXPANDACEM B2	EXTENDACEM (TM) SYSTEM (452981)	691.0	sacks	13.8	1.67	7.7	5.0	7.7
7.7 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	10	Actual Displacement	216	Treatment	
Frac Gradient		15 Min		Spacers	50	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement	4.5	Avg. Job			
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature					

