

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

Scott 27N-32HZ

Majors 29

Post Job Summary

Cement Surface Casing

Date Prepared: 3/4/2014
Version: 1

Service Supervisor: ESKELSON, GARY

Submitted by: TRIER, DEREK

HALLIBURTON

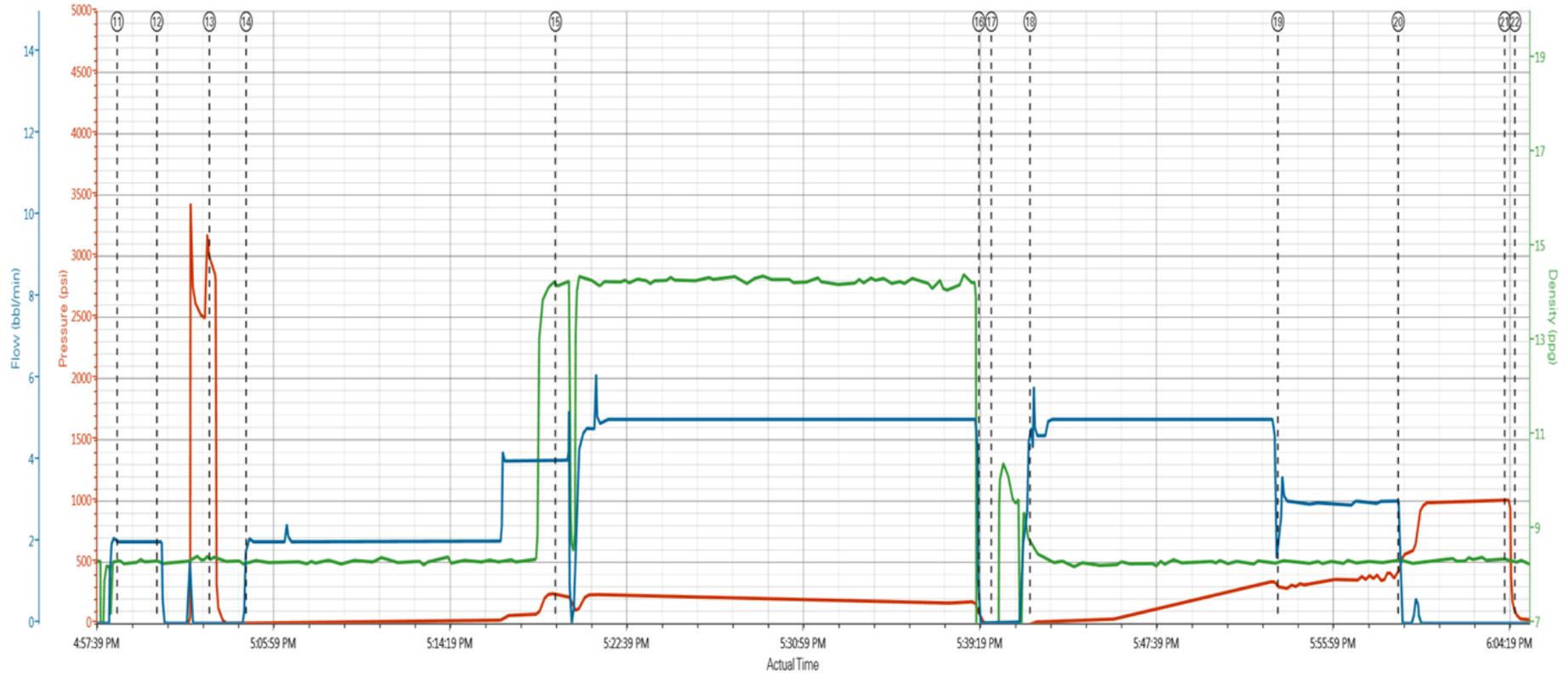
Pumping Schedule

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	2.10	10.0 bbl	10.0 bbl
1	1	Spacer	Mud Flush	8.4	2.10	12.0 bbl	12.0 bbl
1	1	Spacer	Fresh Water Spacer	8.33	2.10	10.0 bbl	10.0 bbl
1	2	Cement Slurry	SwiftCem B2	14.20	4.00	386.0 sacks	386.0 sacks

HALLIBURTON

Data Acquisition

Rock Springs Cement



DS Pump Press (psi) 24 DH Density (ppg) 8.44 Comb Pump Rate (bbbl/min) 11.2

① Call Out n/a,n/a,n/a	④ Arrive At Loc n/a,n/a,n/a	⑦ Pre-Rig Up Safety Meeting n/a,n/a,n/a	⑩ Pre-Job Safety Meeting -8,8,34,0	⑬ Pressure Test 2921,8,37,0	⑯ Shutdown 41,0,16,0	⑲ Slow Rate 293,8,27,2,5	⑳ End Job 62,8,29,0	㉓ Rig-Down Completed n/a,n/a,n/a
② Pre-Convoy Safety Meeting n/a,n/a,n/a	⑤ Assessment Of Location Safety Meeting n/a,n/a,n/a	⑧ Rig-Up Equipment n/a,n/a,n/a	⑫ Start Job -24,8,38,2	⑭ Pump Spacer -3,8,28,2,1	⑰ Drop Plug -27,0,18,0	㉑ Bump Plug 501,8,35,0	㉒ Pre-Rig Down Safety Meeting 23,8,33,0	㉔ Pre-Convoy Safety Meeting n/a,n/a,n/a
③ Crew Leave Yard n/a,n/a,n/a	⑥ Other n/a,n/a,n/a	⑨ Rig-Up Completed -7,8,31,0	⑪ Shutdown -20,8,33,2	⑮ Pump Cement 238,14,17,4	⑱ Pump Displacement 3,8,72,4,8	㉒ Check Floats 1007,8,35,0	㉕ Rig-Down Equipment 27,0,14,0	㉖ Crew Leave Location n/a,n/a,n/a

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Service Supervisor Reports

Type	Seq No.	Activity	Graph Label	Date	Time	Source	DS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Comment
Event	1	Call Out	Call Out	2/17/2014	09:30:00	USER				
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	2/17/2014	14:45:00	USER				WITH HES CREW TALKED ABOUT THE HAZARDS OF DRIVING TO LOCATION
Event	3	Crew Leave Yard	Crew Leave Yard	2/17/2014	15:00:00	USER				
Event	4	Arrive At Loc	Arrive At Loc	2/17/2014	15:30:00	USER				requested on location @ 12:00 wated for cement to be loaded
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	2/17/2014	15:35:00	USER				WITH HES CREW TALKED ABOUT THE HAZARDS OF SPOTTING THE EQUIPMENT & RIGGING UP
Event	6	Other	Other	2/17/2014	15:45:00	USER				SPOT EQUIPMENT
Event	7	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	2/17/2014	15:50:00	USER				WITH HES CREW TALKED ABOUT THE HAZARDS OF RIGGING UP WATER BULK & IRON
Event	8	Rig-Up Equipment	Rig-Up Equipment	2/17/2014	16:00:00	USER				
Event	9	Rig-Up Completed	Rig-Up Completed	2/17/2014	16:45:00	USER				
Event	10	Pre-Job Safety Meeting	Pre-Job Safety Meeting	2/17/2014	16:46:00	USER				WITH HES CREW , RIG CREW TALKED ABOUT THE HAZARDS OF DOING THE JOB
Event	11	Start Job	Start Job	2/17/2014	16:58:43	USER	-24.00	8.37	2.00	FILL LINES WITH 5 BBL OF WATER
Event	12	Shutdown	Shutdown	2/17/2014	17:00:35	USER	-20.00	8.33	2.00	
Event	13	Pressure Test	Pressure Test	2/17/2014	17:03:04	USER	2930.00	8.36	0.00	PRESSURE TEST HES IRON TO 3056 PSI

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Event	14	Pump Spacer	Pump Spacer	2/17/2014	17:04:47	USER	-3.00	8.28	2.10	PUMPED 10 BBL OF WATER 10 BBL MUD FLUSH 10 BBL WATER
Event	15	Pump Cement	Pump Cement	2/17/2014	17:19:23	USER	236.00	14.17	4.00	MIXED & PUMPED 368 SKS OF SWIFTCEM @ 14.2 PPG 1.54 YLD 7.66 GAL/SK 106 BBL
Event	16	Shutdown	Shutdown	2/17/2014	17:39:22	USER	46.00	0.16	0.00	
Event	17	Drop Plug	Drop Plug	2/17/2014	17:39:57	USER	-27.00	0.18	0.00	CUSTOMER WITNESSED HES PLUG
Event	18	Pump Displacement	Pump Displacement	2/17/2014	17:41:47	USER	3.00	8.72	4.80	PUMPED 106 BBL OF WATER DISPLACEMENT
Event	19	Slow Rate	Slow Rate	2/17/2014	17:53:28	USER	294.00	8.26	2.50	SLOW RATE TO BUMP PLUG TO 3 BBL A MIN
Event	20	Bump Plug	Bump Plug	2/17/2014	17:59:09	USER	453.00	8.35	2.40	FINAL CIRCULAIING PRESSURE 500 PSI BROUGHT IT UP TO 1007 PSI
Event	21	Check Floats	Check Floats	2/17/2014	18:04:11	USER	1007.00	8.37	0.00	FLOATS HELD .5 BBL BACK HAD FULL RETURN DURING JOB
Event	22	End Job	End Job	2/17/2014	18:04:40	COM5	67.00	8.29	0.00	8 BBL OF CEMENT TO SURFACE
Event	23	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	2/17/2014	18:06:00	USER				WITH HES CREW ,RIG CREW TALKED ABOUT THE HAZARDS OF RIGGING DOWN
Event	24	Rig-Down Equipment	Rig-Down Equipment	2/17/2014	18:15:00	USER				
Event	25	Rig-Down Completed	Rig-Down Completed	2/17/2014	19:00:00	USER				
Event	26	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	2/17/2014	19:15:00	USER				WITH HES CREW TALKED ABOUT THE HAZARDS OF DRIVING BACK TO THE YARD
Event	27	Crew Leave Location	Crew Leave Location	2/17/2014	19:30:00	USER				

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3282186		Quote #:		Sales Order #: 901126830	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: 29, Majors			
Well Name: Scott			Well #: 27N-32HZ		API/UWI #: 05-123-38826		
Field:		City (SAP): FIRESTONE		County/Parish: Weld		State: Colorado	
Contractor: Majors			Rig/Platform Name/Num: Majors 29				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: FLING, MATTHEW			Srvc Supervisor: ESKELSON, GARY		MBU ID Emp #: 362060		

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BAFFORD, JEFFREY W	0.0	459218	DENNIS, SIMS	0.0	158880	ERTL, JASON Walter	0.0	542471
ESKELSON, GARY	0.0	362060	HENRIQUEZ, CARLOS Alfredo	0.0	550987	HYDE, JOSHUA Wayne	0.0	461612

Equipment

HES Unit #	Distance-1 way						
11562570C	20 mile						

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	17 - Feb - 2014	15:00	MST
Job depth MD	1019. ft	Job Depth TVD	1019. ft	Job Started	17 - Feb - 2014	16:09
Water Depth		Wk Ht Above Floor	4. ft	Job Completed	17 - Feb - 2014	18:10
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	17 - Feb - 2014	19:45	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

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	bbl	8.33			2.1			
2	Mud Flush	Mud Flush	12.00	bbl	8.44			2.1			
1	Fresh Water Spacer		10.00	bbl	8.33			2.1			
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	386.0	sacks	14.2	1.54	7.66	4.0	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	8.0	Actual Displacement
Frac Gradient	15 Min	Spacers	32.0	Load and Breakdown
				106
				Treatment
				Total Job

Rates											
Circulating		Mixing		Displacement	4.8	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							

