

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

SEKICH STATE 40N-17 HZ

Majors 29

Post Job Summary

Cement Surface Casing

Date Prepared: 4/2/2014
Version: 1

Service Supervisor: NIELSON, BRANDON

Submitted by: TRIER, DEREK

HALLIBURTON

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		TVD	
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft
Casing	SURFACE CASING	9.63	8.921	36.00	0.00	1,211.00	0.00	1,211.00

HALLIBURTON

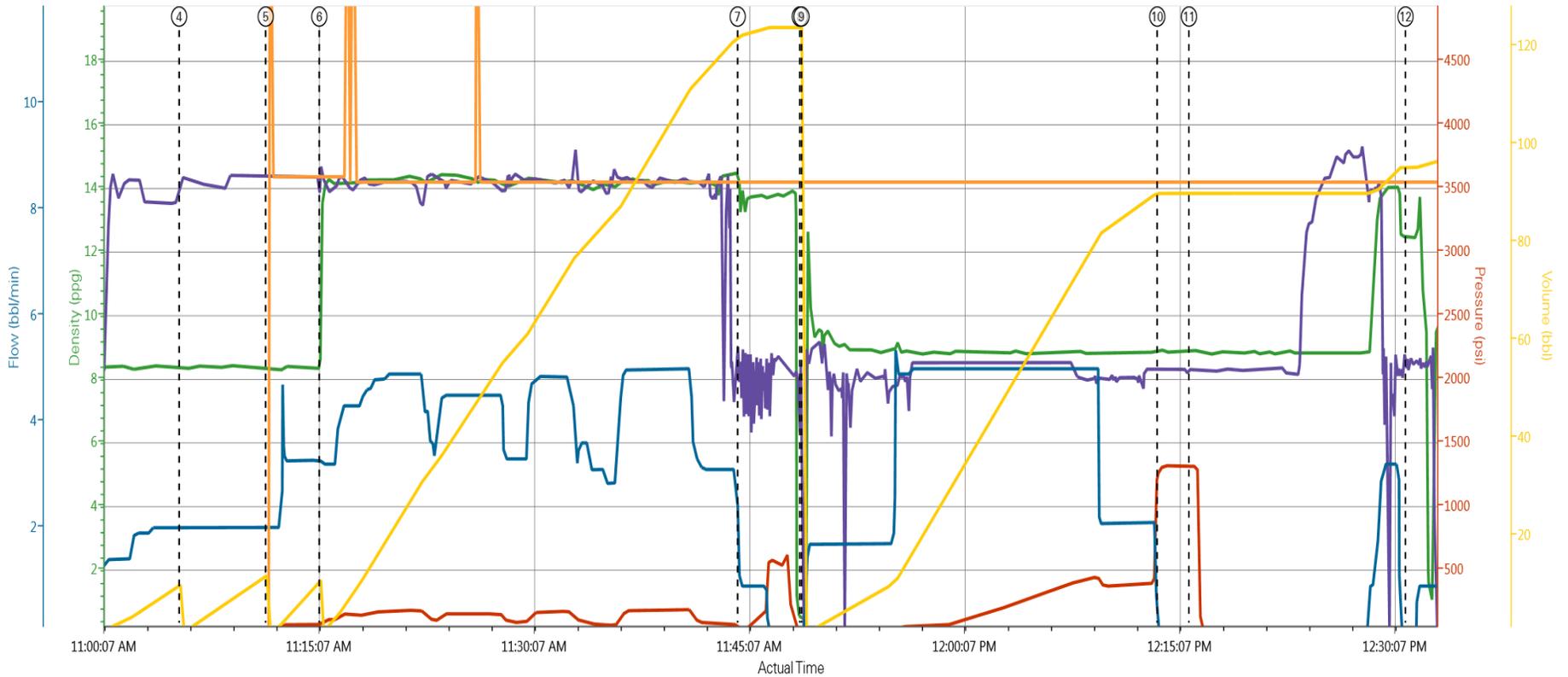
Pumping Schedule

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	2.00	10.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.50	2.00	12.0 bbl	12.0 bbl
1	3	Spacer	Fresh Water Spacer	8.33	3.20	10.0 bbl	10.0 bbl
1	4	Cement Slurry	SwiftCem B2	14.20	5.00	476.0 sacks	476.0 sacks

HALLIBURTON

Data Acquisition

ANADARKO SEKICH STATE 40N-17 HZ



— DH Density (ppg)
 — PS Pump Press (psi)
 — Recirc Density (ppg)
 — DS Pump Rate (bbl/min)
 — Mudcup Density (ppg)
 — Pump Stg Tot (bbl)

- | | | | |
|--------------------------------------|---|--|--------------------------------------|
| ① Start Job 1.85;4;8.13;0;0;0 | ④ Pump Spacer 2 8.41;34;14.38;2;0;10.1 | ⑦ Shutdown 13.17;40;8.44;0.9;14.2;122.2 | ⑩ Bump Plug 8.9;1292;8.3;0;14.2;90 |
| ② Test Lines 8.37;11;8.32;0;0;1 | ⑤ Pump Spacer 1 8.35;40;14.38;2;0;12.1 | ⑧ Drop Top Plug 0.46;-12;8.34;0;14.2;123.9 | ⑪ Other 8.88;1317;8.36;0;14.2;90 |
| ③ Pump Spacer 1 8.37;12;8.39;0;0;1.1 | ⑥ Pump Lead Cement 12.58;76;14.31;3.3;14.37;0 | ⑨ Pump Displacement 0.49;-15;0.13;0;14.2;0 | ⑫ End Job 12.51;-21;8.25;0;14.2;95.3 |

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
03/29/2014 05:00		Call Out					
03/29/2014 07:50		Crew Leave Yard					
03/29/2014 08:30		Arrive At Loc					RIG WAS RUNNING CASING UPON ARRIVAL.
03/29/2014 08:45		Rig-Up Equipment					JSA WITH HALLIBURTON CREW AND RIGGED UP.
03/29/2014 10:40		Safety Meeting					JSA WITH ALL INVOLVED PERSONS.
03/29/2014 10:56		Start Job					
03/29/2014 10:57		Test Lines					TESTED LINES TO 3000 PSI NO VISIBLE LEAKS
03/29/2014 10:59		Pump Spacer 1	2	10		33.0	FRESH WATER
03/29/2014 11:05		Pump Spacer 2	2	12		41.0	MUD FLUSH
03/29/2014 11:11		Pump Spacer 1	3.2	10		83.0	FRESH WATER
03/29/2014 11:15		Pump Cement	5	130.5		130.0	476 SKS SWIFTCEM MIXED @ 14.2 PPG VARIFIED WITH PRESSURED MUD SCALES.
03/29/2014 11:44		Shutdown					
03/29/2014 11:49		Drop Top Plug					PLUG PRE LAODED WITNESSED BY COMPANY REP
03/29/2014 11:49		Pump Displacement	5	90.5		303.0	FRESH WATER. GOOD RETURNS THROUGHOUT. 1 BBL CEMENT BACK. Talked with randy and decided to blow all the pods down and pump it in the box, ended up with 4 bbl in the end.
03/29/2014 12:14		Bump Plug	2			410.0	CALCULATED PRESSURE TO LAND WAS 387 PSI
03/29/2014 12:16		Check Floats				1317.0	FLOATS HELD WIT .5 BBL BACK TO THE TRUCK.
03/29/2014 12:30		End Job					

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3360746		Quote #:		Sales Order #: 901229961	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: Case, Randy			
Well Name: SEKICH STATE			Well #: 40N-17 HZ		API/UWI #: 05-123-39046-00		
Field:		City (SAP): PLATTEVILLE		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: GREGORY, JON			Srvc Supervisor: NIELSON, BRANDON		MBU ID Emp #: 479703		

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HARRAH, THADDEUS Gregory	5.0	552592	MILLER, GEOFFREY Alan	5.0	460232	NIELSON, BRANDON K	5.0	479703
STIELER, KENT	5.0	554541						

Equipment

HES Unit #	Distance-1 way						
11036301	22 mile	11338223	22 mile	11566182	22 mile	11812069C	22 mile
12010172	22 mile						

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					29 - Mar - 2014	05:00	MST
Form Type			BHST	On Location	29 - Mar - 2014	08:30	MST
Job depth MD	1221. ft		Job Depth TVD	1221. ft	Job Started	29 - Mar - 2014	10:56
Water Depth			Wk Ht Above Floor	4. ft	Job Completed	29 - Mar - 2014	12:30
Perforation Depth (MD)	<i>From</i>		<i>To</i>		Departed Loc	29 - Mar - 2014	13:30

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
SURFACE CASING	Unknown		9.625	8.921	36.		J-55	.	1211.	.	1211.

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			2.0		
2	Mud Flush		12.00	bbl	8.5			2.0		
	3.33 lbm/bbl	MUD FLUSH III, 40 LB SACK (101633304)								
	0 gal/bbl	FRESH WATER								
3	Fresh Water Spacer		10.00	bbl	8.33			3.2		
4	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	476.0	sacks	14.2	1.54	7.64	5.0	7.64	
	7.64 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	1.0	Actual Displacement	90.5	Treatment	
Frac Gradient		15 Min		Spacers	32	Load and Breakdown		Total Job	
Rates									
<i>Circulating</i>		<i>Mixing</i>		<i>Displacement</i>	5.0	Avg. Job			
<i>Cement Left In Pipe</i>	Amount	39 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>		
<i>The Information Stated Herein Is Correct</i>				Customer Representative Signature					

