

HALLIBURTON

iCem® Service

Post Job Report

ANADARKO PETROLEUM CORP - EBUS

For:

Date: Wednesday, July 16, 2014

29C-23 HZ

Anadarko Mulga #29C-23 HZ

Sincerely,

Matt Bulinski

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1.1 Cementing Job Summary

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3468357	Quote #:	Sales Order #: 0901393652							
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Bob Balkenbush								
Well Name: MULGA	Well #: 29C-23 HZ	API/UWI #: 05-123-39253-00								
Field: WATTENBERG	City (SAP): IONE	County/Parish: WELD	State: COLORADO							
Legal Description: SE SW-23-2N-67W-275FSL-2176FWL										
Contractor:		Rig/Platform Name/Num: MAJOR 29								
Job BOM: 7521										
Well Type: HORIZONTAL GAS										
Sales Person: HALAMERICA\HX46524		Srv Supervisor: Matthew Bulinski								
Job										
Formation Name										
Formation Depth (MD)	Top	Bottom								
Form Type		BHST								
Job depth MD	1222ft	Job Depth TVD								
Water Depth		Wk Ht Above Floor								
Perforation Depth (MD)	From	To								
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	8.921	36		J-55	0	1222	0	1222
Open Hole Section			13.5				0	1232	0	1232
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make		
Guide Shoe	9.625	1		1222	Top Plug	9.625	1	HES		
Float Shoe	9.625	1			Bottom Plug	9.625	1	HES		
Float Collar	9.625	1		1180.82	SSR plug set	9.625	1	HES		
Insert Float	9.625	1			Plug Container	9.625	1	HES		
Stage Tool	9.625	1			Centralizers	9.625	1	HES		
Miscellaneous Materials										
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Mud Flush III (Powder)	Mud Flush III	12	bbl	8.4			5		
42 gal/bbl		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	

HALLIBURTON***Cementing Job Summary***

2	Lead Cement	SWIFCEM (TM) SYSTEM	462	sack	14.2	1.54		5	7.64
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement	Displacement	90.5	bbl	8.33				
Cement Left In Pipe		Amount	42 ft		Reason		Shoe Joint		
Comment lost returns up and down throughout job.. Picked up at the end and still received 12bbbls to surface									

1.2 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Comb Pump Rate (bbl/min)	Comment
Event	1	Depart Yard Safety Meeting	Depart Yard Safety Meeting	5/30/2014	23:00:00	USER				JSA on Job Materials, Pre-tripping trucks, and driving to Location
Event	2	Arrive At Loc	Arrive At Loc	5/30/2014	23:30:00	USER				Arrived 5hrs early to rig... Finished running Csg on Schedule at 04:30 will circulate 1hr before pumping
Event	3	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	5/30/2014	23:45:00	USER				JSA on rigging up bulk trucks, and iron to rig
Event	4	Rig-Up Equipment	Rig-Up Equipment	5/31/2014	00:00:00	USER				
Event	5	Rig-Up Completed	Rig-Up Completed	5/31/2014	00:30:00	USER				
Event	6	Safety Meeting - Pre Job	Safety Meeting - Pre Job	5/31/2014	05:30:00	USER	0.50	145.00	0.00	JSA with Company Man, Rig hands, and HES hands on pump schedule
Event	7	Start Job	Start Job	5/31/2014	05:44:16	COM5	8.25	151.00	0.00	
Event	8	Test Lines	Test Lines	5/31/2014	05:44:48	COM5	8.32	954.00	0.90	3000psi Pressure Test Lines
Event	9	Pump Spacer 1	Pump Spacer 1	5/31/2014	05:49:01	COM5	8.28	-5.00	1.00	10bbls H2O Spacer Avg. 2.5bbl/min with 65psi
Event	10	Pump Spacer 2	Pump Spacer 2	5/31/2014	05:53:25	COM5	8.24	22.00	2.50	12bbls Mud Flush Spacer Avg 2.5bbl/min 65psi
Event	11	Pump Spacer 1	Pump Spacer 1	5/31/2014	05:57:35	COM5	8.27	74.00	5.00	10bbls H2O Spacer Avg. 5bbl/min 75psi
Event	12	Pump Lead Cement	Pump Lead Cement	5/31/2014	05:59:50	COM5	11.70	63.00	4.10	462sks Swiftcem, 14.2ppg, 1.54yield, 7.64gal/sk, Mixed with rig water and # verify 3x's by pressurized mud scales.. Avg 5bbl/min with 91psi
Event	13	Shutdown	Shutdown	5/31/2014	06:02:58	COM5	14.05	42.00	2.20	Shutdown check weight of cmt
Event	14	Pump Lead Cement	Pump Lead Cement	5/31/2014	06:04:07	COM5	13.50	-7.00	1.80	Resume pumping 14.2ppg cmt

Event	15	Shutdown	Shutdown	5/31/2014	06:26:13	COM5	13.99	7.00	1.70	Shutdown blow down pods of cmt
Event	16	Pump Cement	Pump Cement	5/31/2014	06:28:51	COM5	14.04	-9.00	2.10	Resume pumping last 6bbls of 14.2ppg cmt
Event	17	Shutdown	Shutdown	5/31/2014	06:30:49	COM5	14.06	0.00	0.40	Shutdown
Event	18	Drop Top Plug	Drop Top Plug	5/31/2014	06:32:30	COM5	13.76	-22.00	0.00	Pre-Loaded Company Man verify
Event	19	Pump Displacement	Pump Displacement	5/31/2014	06:33:35	COM5	13.71	-22.00	0.00	90.5bbls H2O Displacement, Returns up and down throughout whole job. Avg 5bbl/min with 100psi and recieved 12bbls Cmt to Surface
Event	20	Bump Plug	Bump Plug	5/31/2014	06:56:23	COM5	8.26	468.00	3.00	Bumped Plug at 450psi and brought to 1411psi for 5mins
Event	21	End Job	End Job	5/31/2014	07:03:08	COM5	8.12	-18.00	0.00	
Event	22	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	5/31/2014	07:10:00	USER	8.27	-23.00	0.00	JSA with Rig hands and HES hands on rigging down bulk trucks and iron from rig
Event	23	Rig-Down Equipment	Rig-Down Equipment	5/31/2014	07:15:00	USER				
Event	24	Rig-Down Completed	Rig-Down Completed	5/31/2014	07:45:00	USER				
Event	25	Safety Meeting - Departing Location	Safety Meeting - Departing Location	5/31/2014	08:00:00	USER				JSA on Location clean up, pre-tripping trucks, and driving back to Brighton yard

2.0 Custom Graphs

2.1 Custom Graph



