

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

Griffiths 35C-20HZ

MAJORS 44

Post Job Summary

Cement Surface Casing

Date Prepared: 6/5/2013
Version: 1

Service Supervisor: NIELSON, BRANDON

Submitted by: LANSDALE, JUSTIN

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	1,070.98	40.65
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,074.00	0.00

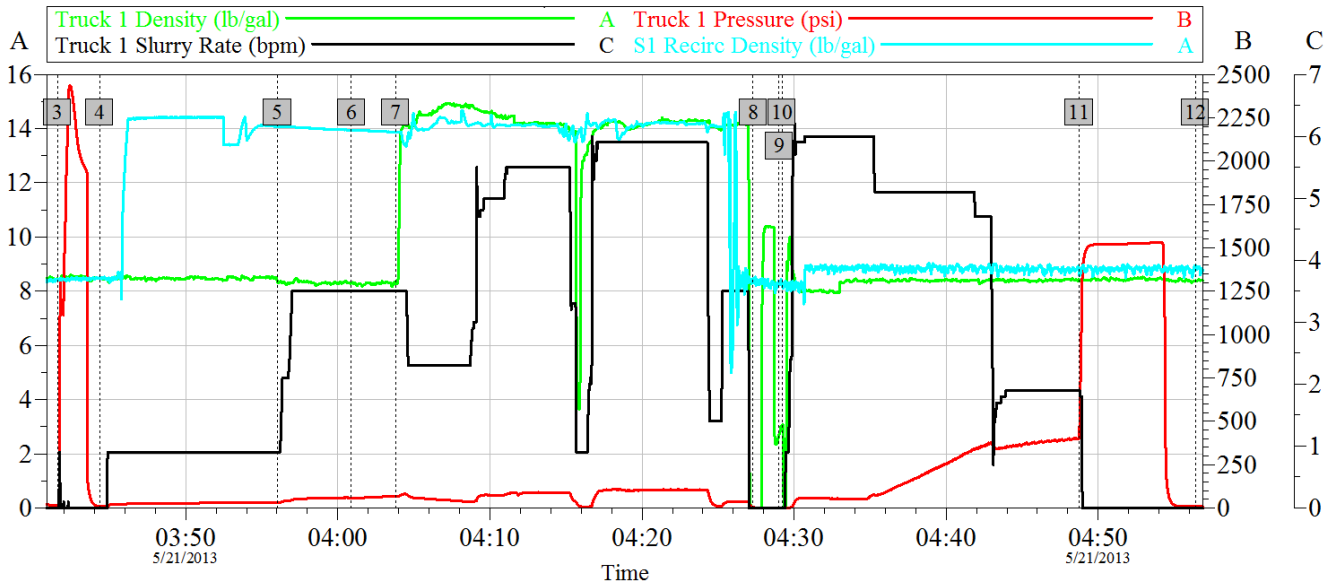
Tubular Specification			
Type	Description	Thread	Grade
Casing	9 5/8" Surface Casing	8 RD	J-55

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	1.00	10.0 bbl	10.0 bbl
1	2	Spacer	MUD FLUSH III	8.40	3.50	12.0 bbl	12.0 bbl
1	3	Spacer	Fresh Water Spacer	8.33	3.50	10.0 bbl	10.0 bbl
1	4	Cement Slurry	SwiftCem B2	14.20	5.00	370.0 sacks	101.0 bbl

Data Acquisition

ANADARKO GRIFFITHS 35C-20HZ 9.625 SURFACE



Global Event Log

Intersection	T1P	Intersection	T1P	Intersection	T1P
1 Starting Job	02:30:08 1.000	2 Start Job	03:39:31 5.000	3 Test Lines	03:41:34 15.00
4 Pump Spacer 1	03:44:21 10.000	5 Pump Spacer 2	03:56:01 32.00	6 Pump Spacer 1	04:00:53 59.00
7 Pump Cement	04:03:49 66.00	8 Shutdown	04:27:17 5.700	9 Drop Top Plug	04:29:01 -1.000
10 Pump Displacement	04:29:12 -1.000	11 Bump Plug	04:48:44 412.5	12 End Job	04:56:24 9.000
13 Ending Job	04:58:53 6.000				

Customer:
Well Description:

Job Date: 21-May-2013
UWI:

Sales Order #: 900453651

OptiCem v6.4.10
21-May-13 05:00

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
05/21/2013 03:41		Test Lines						TESTED LINES TO 2500 PSI NO VISIBLE LEAKS
05/21/2013 03:44		Pump Spacer 1	1	10			38.0	FRESH WATER
05/21/2013 03:56		Pump Spacer 2	3.5	12			62.0	MUD FLUSH MIXED WITH FRESH WATER
05/21/2013 04:00		Pump Spacer 2	3.5	10			63.0	FRESH WATER
05/21/2013 04:03		Pump Cement	5	101			101.0	370 SKS SWIFTCEM MIXED @ 14.2 PPG WITH FRESH WATER
05/21/2013 04:27		Shutdown						
05/21/2013 04:29		Drop Top Plug						PLUG PRE LOADED WITNESSED BY COMPANY REP
05/21/2013 04:29		Pump Displacement	5	78.9			215.0	FRESH WATER
05/21/2013 04:48		Bump Plug	2				411.0	CALCULATED PRESSURE TO LAND WAS 334. Cement returned to surface 72.5 bbl into. Leaving us with 7.5 bbl to surface.
05/21/2013 04:54		Check Floats					1560.0	FLOATS HELD
05/21/2013 04:56		End Job						



Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 2999351	Quote #:	Sales Order #: 900453651
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Hersh, Larry	
Well Name: Griffiths		Well #: 35C-20HZ	API/UWI #: 05-123-36633
Field: WATTENBERG	City (SAP): DACONO	County/Parish: Weld	State: Colorado
Lat: N 40.057 deg. OR N 40 deg. 3 min. 25.474 secs.		Long: W 104.918 deg. OR W -105 deg. 4 min. 56.701 secs.	
Contractor: MAJORS		Rig/Platform Name/Num: MAJORS 44	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: PLIENESS, RYAN		Srvs 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 #
BARNES, BRIAN L	5.0	485204	NIELSON, BRANDON K	5.0	479703	ROMERO, JOSEPH M	5.0	512137

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	10 mile	11562562	10 mile	11812069C	10 mile		

Job							Job Times			
Formation Name								Date	Time	Time Zone
Formation Depth (MD)	Top				Bottom		Called Out	20 - May - 2013	22:00	MST
Form Type					BHST		On Location	21 - May - 2013	01:00	MST
Job depth MD	1071. ft				Job Depth TVD	1071. ft	Job Started	21 - May - 2013	03:39	MST
Water Depth					Wk Ht Above Floor	1. ft	Job Completed	21 - May - 2013	04:56	MST
Perforation Depth (MD)	From				To		Departed Loc	21 - May - 2013	06:00	MST

Well Data

<i>Description</i>	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				.	1074.		
9 5/8" Surface Casing	New		9.625	8.921	36.	8 RD	J-55	.	1071.		

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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1	Fresh Water Spacer		10.00	bbl	8.33	.0	.0	.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)	12.00	bbl	8.4	.0	.0	.0	
3	Fresh Water Spacer		10.00	bbl	8.33	.0	.0	.0	
4	SwiftCem B2	SWIFTCM (TM) SYSTEM (452990)	370.0	sacks	14.2	1.54	7.68		7.68
7.68 Gal		FRESH WATER							
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe		Amount	40.65 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					

