

From: Rickey Morgan
Sent: Mon May 24 15:04:19 2010
To: Ron Morgan-DTC; Ronnie Faul
Cc: Paul Mendenall; Richard Vargo; David Jones - Duncan Technology; Drew Gaugler; Dennis Gray
Subject: RE: Cement Conductivity?
Importance: Normal
Attachments: image001.jpg

Yes, I will be here to perform the tests.

Thanks,
Rickey Morgan
Principal Technologist
Halliburton
Cementing Methods and Materials
Duncan Technology Center
2600 S. 2ND STREET, P.O. BOX 1431
DUNCAN, OK 73536-0442
PH# (580) 251-3483 FAX#(580) 251-4745
E-MAIL: Rickey.Morgan@Halliburton.com

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Thank you

From: Ron Morgan-DTC
Sent: Monday, May 24, 2010 3:04 PM
To: Rickey Morgan; Ronnie Faul
Cc: Paul Mendenall; Richard Vargo; David Jones - Duncan Technology; Drew Gaugler; Dennis Gray
Subject: RE: Cement Conductivity?

Rickey, you'll be doing the test now, right?

ron

Regards,

Ron Morgan

Cementing Methods & Materials Manager

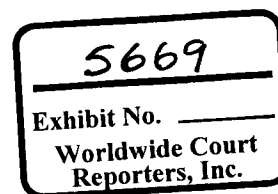
Halliburton Energy Services

2600 South Second Street

Duncan, OK 73536-0442

Office 580-251-3750

Cell 580-313-1117



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HAL_0504758

From: Rickey Morgan
Sent: Monday, May 24, 2010 8:32 AM
To: Ronnie Faul
Cc: Paul Mendenall; Richard Vargo; David Jones - Duncan Technology; Ron Morgan-DTC; Drew Gaugler; Dennis Gray
Subject: RE: Cement Conductivity?

Hello Ronnie,

The meter is suppose to be in Duncan Tuesday. The 16.4 # samples are set & in may water bath at 134F. David will be coordinating the testing. I will be leaving to JRC in Alvarado Texas this afternoon.

Thanks,
Rickey Morgan
Principal Technologist
Halliburton
Cementing Methods and Materials
Duncan Technology Center
2600 S. 2ND STREET, P.O. BOX 1431
DUNCAN, OK 73536-0442
PH# (580) 251-3483 FAX#(580) 251-4745
E-MAIL: Rickey.Morgan@Halliburton.com

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Thank you

From: Dennis Gray
Sent: Thursday, May 20, 2010 10:50 AM
To: Tom Dealy; Rickey Morgan
Cc: Paul Mendenall; Richard Vargo; David Jones - Duncan Technology; Ron Morgan-DTC; Ronnie Faul; Drew Gaugler
Subject: RE: Cement Conductivity?

Tom, Rickey,

The slurries in the attachments are the ones that need to be put down for electrical conductivity. The request number 711774 is an unfoamed slurry to be mixed at 16.4 lb/gal as shown and cured at 134°F. The slurry in 73909/2 is the slurry that needs to be mixed unfoamed at 16.74 lb/gal and foamed to 14.5 lb/gal and cured at 180°F. All are to be cured at atmospheric pressure to keep from having to cool, de-pressurize, measure, re-pressurize and reheat the slurry at every reading.

Ronnie and I spoke about readings starting at 3 days, but since you will be gone tomorrow it should be OK to start at 4 days, since at this time we really don't know for sure when we will get the YSI 31 meter to do the testing, but David is trying to find out when it is expected to arrive. Other test times proposed are 7, 14 and 28 days and then the data will be looked at to see if they need to be left for longer testing.

Drew has the copper plates and is attaching them to a pair of lead wires for attachment to the meter.

The test procedures are in GLBP Manual 4, Section 3, Part 4, Procedure 434.130 at http://halworld.corp.halliburton.com/hes/hestch/hestchbp/hestchbp_global/hestchbp_globalvol4/Sec3/4_3_4.pdf. For the test you will need to prepare a small sample of the conductance solution as described in the procedure. Please do the electrical conductivity and resistivity as discussed in this procedure. If you have time this morning we can discuss the test, if not feel free to call me on my cell phone.

Thanks,

Dennis

From: Tom Dealy
Sent: Thursday, May 20, 2010 9:30 AM
To: Paul Mendenall
Cc: Richard Vargo; David Jones - Duncan Technology; Ron Morgan-DTC; Dennis Gray; Ronnie Faul
Subject: RE: Cement Conductivity?

Will do.... Tom

From: Paul Mendenall
Sent: Thursday, May 20, 2010 9:11 AM
To: Tom Dealy
Cc: Richard Vargo; David Jones - Duncan Technology; Ron Morgan-DTC; Dennis Gray; Ronnie Faul
Subject: RE: Cement Conductivity?

Tom – please set up a Cement Conductivity project using 1017310162 cost center.....thanks.

Best Regards,

Paul Mendenall

Tech Professional Leader

Cementing Applied Science and Engineering

Halliburton

Duncan Technology Center

2600 South Second Street

Duncan, Ok 73536 -0442

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Office: (580)251-3577

Cell: (580)656-3943

From: Ronnie Faul
Sent: Thursday, May 20, 2010 9:06 AM
To: Dennis Gray; Ron Morgan-DTC; David Jones - Duncan Technology
Cc: Richard Vargo; Tom Dealy; Paul Mendenall
Subject: RE: Cement Conductivity?

Dennis;

This is the charge code that is being used for some SGS testing in Duncan, so I would use the same code.

Please let me know when we get the samples done and the first reading. Thanks

1017310162

Ronnie Faul

GOM Technology Manager - Cementing

Halliburton Energy Services

10200 Bellaire Blvd

Houston Texas, 77072

Office 281.575.3154

Cell 281.687.1728

From: Dennis Gray
Sent: Thursday, May 20, 2010 8:05 AM
To: Ronnie Faul; Ron Morgan-DTC; David Jones - Duncan Technology
Cc: Richard Vargo; Tom Dealy; Paul Mendenall
Subject: RE: Cement Conductivity?

Ronnie,

Are we to use our materials or is Lafayette going to send samples for testing. The person doing the testing will also need a charge code. Electrical conductivity normally changes over time so I assume there should be a measurement at 24 hours (or shortly after setting) and then every day for a length of time, but how long should they be continued?

Thanks,

Dennis

From: Ronnie Faul
Sent: Thursday, May 20, 2010 7:03 AM
To: Ron Morgan-DTC; Dennis Gray; David Jones - Duncan Technology
Cc: Richard Vargo; Tom Dealy; Paul Mendenall
Subject: RE: Cement Conductivity?

Ron,

Good deal. Thanks for the support, under the circumstances this is a small item but it is important to the BP team and the relief well effort.

Ronnie Faul

Halliburton Energy Services

10200 Bellaire Blvd

Houston Texas, 77072

Office 281.575.3154

Cell 281.687.1728

From: Ron Morgan-DTC
Sent: Wednesday, May 19, 2010 9:43 PM
To: Ronnie Faul; Dennis Gray; David Jones - Duncan Technology
Cc: Richard Vargo; Tom Dealy; Paul Mendenall
Subject: RE: Cement Conductivity?

We ordered one yesterday with rush delivery.

ron

Regards,

Ron Morgan

Cementing Methods & Materials Manager

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Halliburton Energy Services

2600 South Second Street

Duncan, OK 73536-0442

Office 580-251-3750

Cell 580-313-1117

From: Ronnie Faul

Sent: Tuesday, May 18, 2010 11:26 AM

To: Dennis Gray; David Jones - Duncan Technology

Cc: Ron Morgan-DTC; Richard Vargo; Tom Dealy; Paul Mendenall

Subject: RE: Cement Conductivity?

Dennis;

Thanks for the feedback. I had Jesse forward to Tom the lab test for the two slurries of interest to BP. If you would take a look and see if everything you need is there and let me know what else might be needed. The two point of interest are the cement at the bottom of the 9 7/8" liner and the cement for the production string. The cement for the production string was some unfoamed 16.74 base cement and some cement foamed to 14.5 ppg if that makes a difference.

David;

If we can not find the device we need to see if we can beg, borrow, or buy a new one. Let me know what you find and if I need to do anything from here. Also if we could get an idea of the time to get results it would be much appreciated.

Ronnie Faul

Halliburton Energy Services

10200 Bellaire Blvd

Houston Texas, 77072

Office 281.575.3154

Cell 281.687.1728

From: Dennis Gray

Sent: Tuesday, May 18, 2010 10:02 AM

To: David Jones - Duncan Technology

Cc: Ron Morgan-DTC; Richard Vargo; Tom Dealy; Ronnie Faul; Paul Mendenall

Subject: RE: Cement Conductivity?

David,

At http://halworld.corp.halliburton.com/hes/hestch/hestchbp/hestchbp_global/hestchbp_globalvol4/Sec3/4_3_4.pdf in GLBP, Procedure 434.130 contains information about performing the electrical conductivity test. I just hope we still have the YSI Model 31

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that was used. I tried to keep it in the shelves in C214, but have not seen it since the shelves/cabinets were removed and 5-S'd. I looked in the basement and the west end of C200 and did not see it. An e-mail may need to be sent to Cement, Stimulation and Analytical to see if anyone has seen it. Below is what it looks like.

Dennis

From: David Jones - Duncan Technology
Sent: Monday, May 17, 2010 1:10 PM
To: Tom Dealy; Ronnie Faul; Paul Mendenall; Dennis Gray
Cc: Ron Morgan-DTC; Richard Vargo
Subject: RE: Cement Conductivity?

Thanks Tom.

Thanks,

David L. Jones, P.E.
Cementing Applied Science & Engineering Team Lead
Halliburton; Duncan, Oklahoma
Phone: 580-251-3359
Cell: 580-475-6411

From: Tom Dealy
Sent: Monday, May 17, 2010 12:52 PM
To: David Jones - Duncan Technology; Ronnie Faul; Paul Mendenall; Dennis Gray
Cc: Ron Morgan-DTC; Richard Vargo
Subject: RE: Cement Conductivity?

David - I spoke to Ronnie via phone this morning and told him that we did have the capability to test for this and that Dennis was his best resource.... Tom

From: David Jones - Duncan Technology
Sent: Monday, May 17, 2010 7:16 AM
To: Ronnie Faul; Paul Mendenall; Tom Dealy
Cc: Ron Morgan-DTC; Richard Vargo
Subject: RE: Cement Conductivity?

Ronnie

Yes there is a test for the conductivity (resistivity) of a cement slurry. Tom Dealy would be the contact for the specifics on the test.

He should be in at 8:00 this morning.

Thanks,

David L. Jones, P.E.
Cementing Applied Science & Engineering Team Lead
Halliburton; Duncan, Oklahoma
Phone: 580-251-3359
Cell: 580-475-6411

From: Ronnie Faul
Sent: Saturday, May 15, 2010 12:42 PM
To: David Jones - Duncan Technology; Paul Mendenall
Cc: Ron Morgan-DTC; Richard Vargo
Subject: FW: Cement Conductivity?

David, Paul;

What can you tell me about conductive testing of cement. Who will be the best person for me to talk to the first of next week to work Ken Allen at BP?

From: Richard Vargo
Sent: Friday, May 14, 2010 3:04 PM
To: Ronnie Faul
Cc: Nicky Pellerin; 'Allen, Kenneth W'
Subject: RE: Cement Conductivity?

Ronnie,

Can you get with Duncan on this one and check and see if DTC has an idea of how to test for this. This is not thermal conductivity it is more about the resistivity of the cement or how conductive it is. Let's try and keep Ken in the loop as much as we can.

Thanks.

Richard F. Vargo Jr.

Halliburton

GOM Region Manager - Cementing

100 Capital Dr.

Lafayette La. 70508

Office: 337-266-8249

Cell: 337-315-2582

Fax: 832-553-7811

E-Mail: Richard.Vargo@Halliburton.com

From: Allen, Kenneth W [<mailto:Kenneth.Allen@bp.com>]
Sent: Friday, May 14, 2010 12:20 PM
To: Richard Vargo
Cc: Nicky Pellerin; Ronnie Faul
Subject: RE: Cement Conductivity?

Richard,

Thanks for the reply. I have been away from my computer most of the morning. I have a meeting at 13:00. You can give me a call after 14:30 and we can talk when your free.

Ken Allen
Liberty Drilling Engineer
Kenneth.Allen@BP.com
Cell: 907.748.3907

From: Richard Vargo [<mailto:Richard.Vargo@Halliburton.com>]
Sent: Friday, May 14, 2010 8:08 AM
To: Allen, Kenneth W
Cc: Nicky Pellerin; Ronnie Faul
Subject: RE: Cement Conductivity?

Kenneth,

We have a peer review this morning. Can we get together later this morning or this afternoon?

Richard F. Vargo Jr.

Halliburton

GOM Region Manager - Cementing

100 Capital Dr.

Lafayette La. 70508

Office: 337-266-8249

Cell: 337-315-2582

Fax: 832-553-7811

E-Mail: Richard.Vargo@Halliburton.com

From: Nicky Pellerin
Sent: Friday, May 14, 2010 6:42 AM

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HAL_0504766

To: Richard Vargo; Ronnie Faul
Subject: FW: Cement Conductivity?

Richard or Ronnie

Can you guys provide a contact for the request below? I assume the lab will need to run the test. Call me if you have questions.

Nicky

From: Allen, Kenneth W [<mailto:Kenneth.Allen@bp.com>]
Sent: Thursday, May 13, 2010 5:28 PM
To: Chip LaCombe; Nicky Pellerin
Cc: Allen, William T; Wesley, Dave E
Subject: Cement Conductivity?

Nicky / Chip,

Can one of you point me in the right direction for Halliburton cement questions? I need to find out for the Vector guys what the conductivity of your cement formulation used on the 9-7/8" and 7" jobs in MC252#1. If you do not have that information what kind of timing is needed get it? I assume that would require mixing a small test sample of each and performing the tests?

Thanks,

Ken Allen

Liberty Drilling Engineer

Kenneth.Allen@BP.com

Cell: 907.748.3907

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