Andrews, David

045-18824

From: Caplis, Chris [Chris.Caplis@Williams.com]
Sent: Thursday, September 30, 2010 9:31 AM
To: Andrews, David
Subject: RE: SP 522-14 - Casing leak - Pressure test post fracture stimulation treatments

Dave,

I will forward the test results as requested. We hope to have the testing done by next week.

Regards,

Chris Caplis
Completions Engineer
Williams Production Co.
Ofc: 303-606-4041
Cell: 303-601-4884
chris.caplis@williams.com

From: Andrews, David [mailto:David.Andrews@state.co.us]
Sent: Thursday, September 30, 2010 8:56 AM
To: Caplis, Chris
Subject: RE: SP 522-14 - Casing leak - Pressure test post fracture stimulation treatments

Chris,

Thanks for the update. I would like to see the pressure test results (casing pressure loss over 15 minutes and bradenhead pressure during the test) before commenting on remediation requirements. Please forward your test results when the test is complete.

David D. Andrews, P.E., P.G.
Engineering Supervisor - Western Colorado

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Oil and Gas Conservation Commission
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From: Caplis, Chris [mailto:Chris.Caplis@Williams.com]
Sent: Wednesday, September 29, 2010 3:42 PM
To: Andrews, David
Subject: FW: SP 522-14 - Casing leak - Pressure test post fracture stimulation treatments

Mr. Andrews,

Below are a couple of emails sent to the BLM today. Dane and I discussed the SP 522-14 well and its past casing leaks. Now that we have completed stimulation operations we were curious if Dane would allow us to set our kill plug (prior to

drilling out plugs) and test the casing to the expected shut-in reservoir pressure. If the casing test passed we would ask to by-pass remediation at this point assuming the braden head pressure remains at zero. Below is a summary of our discussion with Dane and our plan moving forward.

Please let me know if you have any questions/concerns.

Regards,

Chris Caplis
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From: Caplis, Chris
Sent: Wednesday, September 29, 2010 11:50 AM
To: 'Dane_Geyer@blm.gov'
Cc: Conger, Jeremy; Harris, Steven
Subject: RE: SP 522-14 - Casing leak - Pressure test post fracture stimulation treatments

Dane,

After discussing further with Jeremy Conger and Steve Harris, Completion Superintendent in Parachute, we've decided to shut the SP 522-14 in for at least 24 hrs and obtain a casing pressure reading. We will shoot a fluid level to factor in water hydrostatic and report what our actual reservoir pressure is for the SP 522-14. We will also monitor the braden head to make sure it is not building up pressure at any point.

Once we have a solid reservoir pressure I will give you a call to discuss.

I figured you would be OK with this considering this was your first idea on how best to obtain reservoir pressure during our conversation this morning.

If you have any questions please let me know.

Regards,

Chris Caplis
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chris.caplis@williams.com

From: Caplis, Chris
Sent: Wednesday, September 29, 2010 10:49 AM
To: 'Dane_Geyer@blm.gov'
Cc: Conger, Jeremy; Harris, Steven
Subject: SP 522-14 - Casing leak - Pressure test post fracture stimulation treatments

Dane,

Per our conversation, we discussed setting the kill plug on the SP 522-14 prior to drilling out our plugs and testing the casing. We are to use the TD mud weight of the well and back out the gas gradient to get our test pressure.

Thus, the SP 522-14 had a TD mud weight of 10.85 lb/gal. This equates to a hydrostatic pressure (reservoir pressure) of 4,581 psi at 8,121' TVD. Backing out the 0.15 psi/ft gas gradient, we get a test pressure of 4,518 psi.

Therefore, if you accept this plan of action, we will pressure test the SP 522-14 to 4,500 psi and hold for 15 minutes and record the pressure decline. I will send the results to you. Assuming the casing holds acceptable pressure, we are OK to drill out plugs and put the well on sales.

We must also shut in the braden head and place a gauge on the braden head to remain for the life of the well.

Regards,

Chris Caplis
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