



Andrews, David

From: Andrews, David
Sent: Thursday, August 26, 2010 11:08 AM
To: 'Caplis, Chris'
Cc: Ellsworth, Stuart
Subject: RE: SP 522-14 Casing Leak / Braden Head pressure

045-18824

Chris,

Thanks for your summary, and please proceed. Submit a Form 4 (Sundry Notice) with your remedial cement procedure for approval prior to commencing the remedial work. Include a summary of bradenhead pressure monitoring during completion of the last three frac stages with Form 4.

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: Thursday, August 26, 2010 11:04 AM
To: Andrews, David
Subject: SP 522-14 Casing Leak / Braden Head pressure

Mr. Andrews,

Below are the COA's we received from the BLM. We received verbal approval to complete the last three stages of the SP 522-14 from Dane Geyer.

- We must monitor braden head pressure while fracing the well. If braden head pressure reaches 100 psi we must go to flush. If at any time the braden head pressure reaches 200 psi we are to shut down immediately.
- Williams is required to remediate the casing leak regardless of braden pressure once the well is completed.

If anything out of the ordinary occurs while fracing we will let you know.

Thanks Dave,

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

From: Caplis, Chris
Sent: Wednesday, August 25, 2010 9:04 AM
To: 'Dane_Geyer@blm.gov'
Cc: Conger, Jeremy
Subject: SP 522-14 Casing Leak / Braden Head pressure

Mr. Geyer,

This email is meant to summarize the most recent events on the SP 522-14. Timeline is as follows:

- 8/2/2010 – Replaced 800' of 4 ½" 11.6# E-80 casing on the SP 522-14. Subsequent casing pressure test resulted in 360 psi leak off in 15 minutes. We then received the OK from the COGCC and BLM to proceed with completion operations but were to monitor the braden head pressure.
- 8/14/2010 – Frac Lower Cameo & Cameo Stages – no issues with braden head, flowed back well
- 8/18/2010 – Frac MV1 & MV2 Stages – no issues with braden head, flowed back well
- 8/22/2010 – Perforate casing for MV3 stage. Frac crew hung up on another pad, delays frac.
- 8/24/2010 – Rig up frac iron on Fed Rulison 14-95 pad to frac final 3 stages - MV3, MV4 & MV5. The 200 psi pop-off valve on braden head was then opened and it goes off. We sent the frac crew to another location so we can evaluate the SP 522-14. From previous testing, we know the leak is below our 800' of replaced casing and above our TOC. Therefore, we set a WRP at 3,800' (80' below TOC) and performed a casing pressure test. We observed 1,114 psi leak off in 15 minutes (from 360 psi/15 min 8/2/2010). Since we have a plug set at 3,800' we let the braden head vent overnight as we think the gas is coming from the completed stages below.
- 8/25/2010 – At 7 am this morning the braden head has 0 pressure on it, confirming that the gas was indeed coming from up the 4 ½" casing below.

I have posted the latest casing pressure test in the SP 522-14 folder on our FTP site (Initial Pressure: 7,042 psi, Final Pressure: 5,928 psi). It also contains the CBL and completion procedure.

Since we have identified the source of the gas and no injection rate could be established through the casing collar, thus maintaining sufficient integrity to finish completion operations, we are requesting the BLM allow us to stage frac the last 3 stages (1 day of operations) of the well then we will address the casing leak once the well is completed. We can vent the braden head during operations so no pressure is building behind pipe.

If you have any questions please let me know.

Regards,

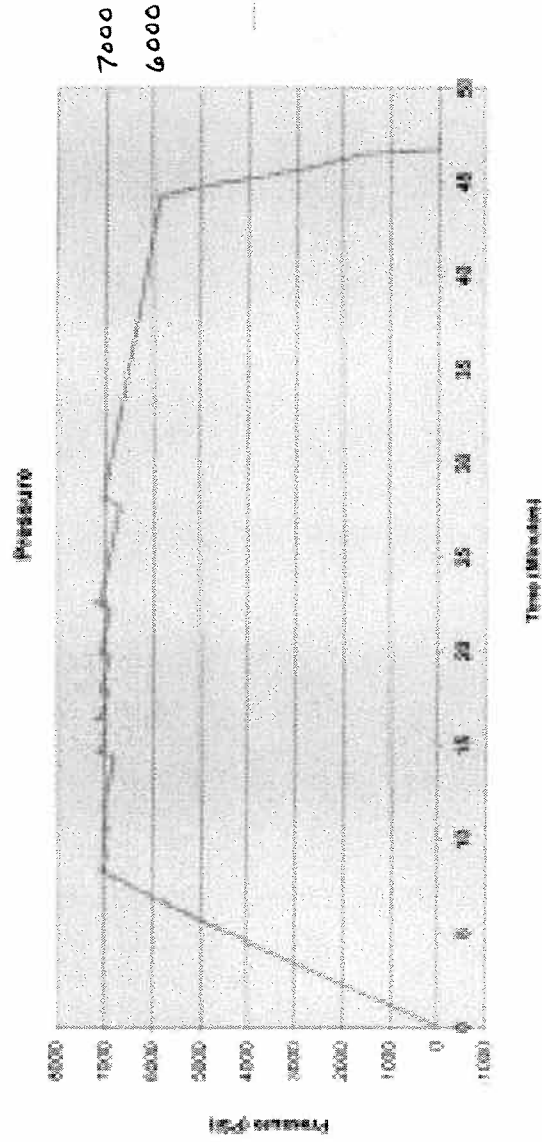
Chris Caplis
Completions Engineer
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Ofc: 303-606-4041
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chris.caplis@williams.com

Western Slope Well Services LLC.

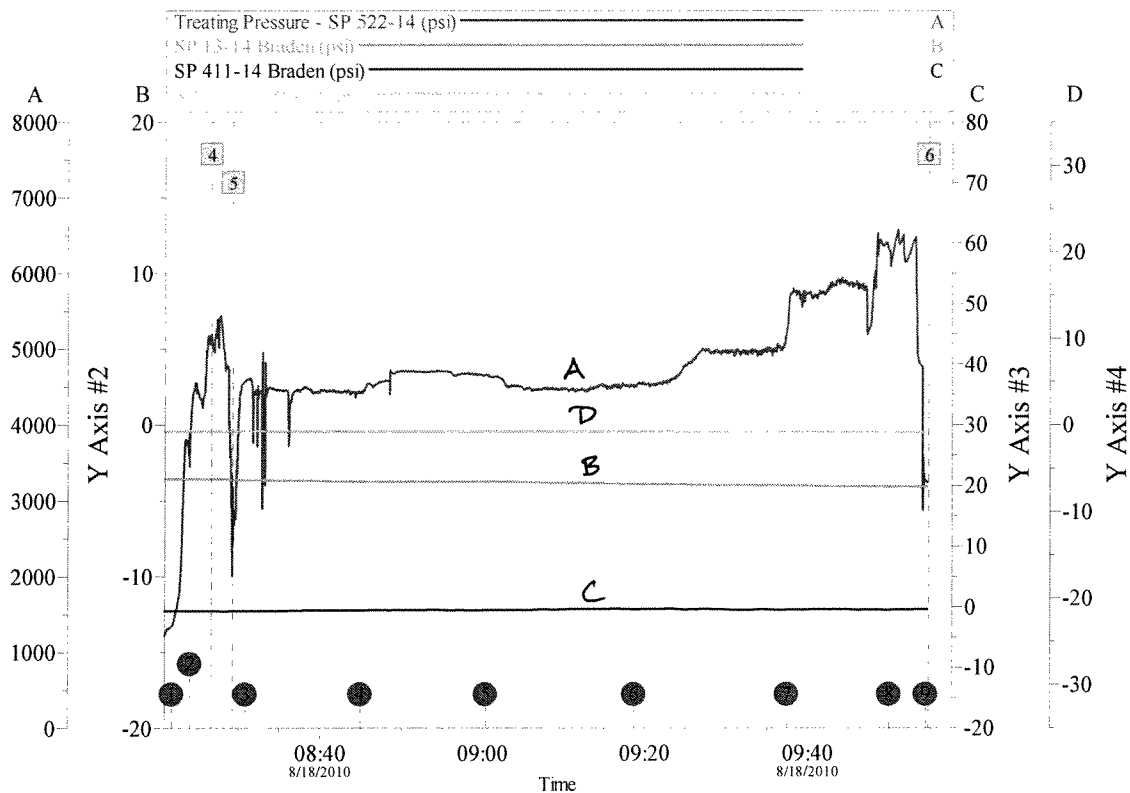
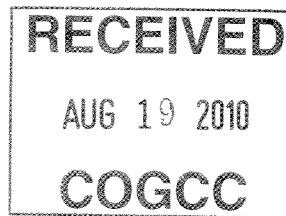
Well Information	
Company	Williams
Companyman	Kestral Dickerson
Well Number	SP 523-14
Pad Number	SP 14-25
TYPE OF TEST	Casing Pressure Test
Units	PSI/minutes

Pressure Test Info	
Start Time	8/24/10 3:45:20 PM
Stop Time	8/24/10 4:25:41 PM
Start Pressure	7000
End Pressure	5500
Pressure Loss PSI	1114 PSI / 15min
Manifold Test	g

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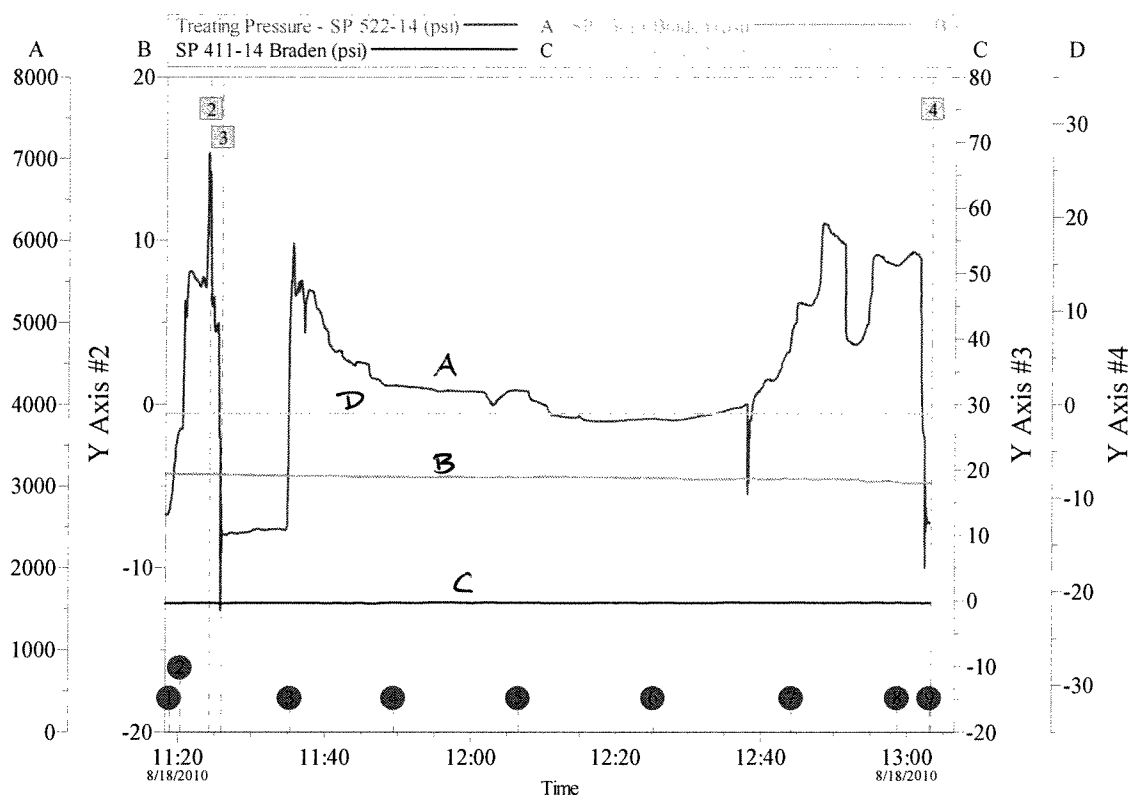
Engineer: Ross Johnson
Date: 8/18/2010
SP 522-14 Mesaverde I frac



Customer: WILLIAMS PRODUCTION RMT INC EBUSINE	Job Date: 18-Aug-2010	Sales Order #: 7573790	BNSIT F. for Stimulation v4.0.0 18-Aug-10 10:25
Well Description: SP 522-14	UWI: 05-045-18824		

No pressure on the Bradens. Zeroed before both jobs.

SP 522-14 Mesaverde II frac



Customer: WILLIAMS PRODUCTION RMT INC EBUSINE	Job Date: 18-Aug-2010	Sales Order #: 7574711	INSITE for Stimulation v4.0.0
Well Description: SP 522-14	UWI: 05-045-18824		18-Aug-10 13:04

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