

Andrews, David



From: Andrews, David
Sent: Thursday, June 14, 2012 5:26 PM
To: 'Foster, Greg'
Cc: Longworth, Mike; Canfield, Chris; Cooley, Porter; Hickey, Brandon; Baker, Brandon; Graeve, Mark
Subject: RE: American Soda GM 23-34 Bradenhead Pressure and Fluid Flow (045-07711)

Greg,

Thanks for the quick follow-up. No further action is required at this time for American Soda GM 23-34, and WPX can leave the bradenhead valve shut in to prevent surface discharge of annular fluid.

Thanks,

Dave

CC: COGCC Well File, API No. 045-07711

From: Foster, Greg [<mailto:Gregory.Foster@wpxenergy.com>]
Sent: Thursday, June 14, 2012 5:03 PM
To: Andrews, David
Cc: Longworth, Mike; Canfield, Chris; Cooley, Porter; Hickey, Brandon; Baker, Brandon; Graeve, Mark
Subject: RE: American Soda GM 23-34 Bradenhead Pressure and Fluid Flow (045-07711)

David we took an echometer shot of the bradenhead and showed a fluid level ~ 185'. Due to the depth of this shoe it is most likely near vertical so I think it is safe to assume that shoe MD and TVD are similar. Where we showed fluid level though gives a gradient at the shoe of 0.469 psi/ft which is well below the reporting threshold. Let us know if you need anything else from us, but we are more than fine with the fluid level we have. Let us know if you need anything else on this well though and we will grab it, thanks David.

We are also working on compiling all of the 3rd and 4th quarter 2011 bradenhead checks along with 1st quarter 2012 and hopefully should have that within the next 2 weeks, we had our tech dig up the sheets and combine all fields and now she is incorporating the equations we have discussed so will pass that along when we have reviewed it for potential problems.

Greg Foster
Operations Engineer - Piceance Basin
WPX Energy Rocky Mountain, LLC
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From: Foster, Greg
Sent: Wednesday, June 13, 2012 4:55 PM
To: 'Andrews, David'
Cc: Longworth, Mike; Canfield, Chris; Cooley, Porter; Hickey, Brandon; Baker, Brandon; Graeve, Mark
Subject: RE: American Soda GM 23-34 Bradenhead Pressure and Fluid Flow (045-07711)

As of 1st quarter 2012 we are showing the bradenhead closed and at 90 psi. We are just finalizing our 1st quarter 2012 sheets to send out to the COGCC so glad we found this. We will have it echometered ASAP to determine the fluid level in the sur csg/prod csg annulus to try and determine the true gradient at the shoe. At 90 psi the estimated gradient at the sur csg shoe (assuming a full fluid column, which will be verified) is 0.744 psi/ft which is above what we have discussed as a possible reporting threshold of 0.683 psi/ft. After echometering we will determine a course of action for

moving forward which may involve a sundry to vent and see if pressure will dissipate. I added the production guys from the area this well is in just so they are in the loop.

Greg Foster

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From: Andrews, David [<mailto:David.Andrews@state.co.us>]
Sent: Tuesday, June 12, 2012 1:31 PM
To: Foster, Greg
Cc: Longworth, Mike; Canfield, Chris
Subject: American Soda GM 23-34 Bradenhead Pressure and Fluid Flow (045-07711)

Greg,

Please review comments made by Mike Longworth (COGCC Field Inspector) on the attached 11/30/2011 field inspection report. What is the current bradenhead valve status for this well (open or closed). In a previous spreadsheet submittal, you suggested a remediation threshold of 72 psi for the surface pressure, primarily because of short surface casing in the well (the reported setting depth was 303'). If the valve has been shut in, has WPX had a problem with the pressure building above 72 psi? If the valve is open, is fluid still discharging to the surface? Any fluid discharge should be collected, stored, and disposed as E&P waste per COGCC's 900-Series rules.

Thanks,

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

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