

**From:** Thomas Kellahin [mailto:kellahin@earthlink.net]  
**Sent:** Tue 8/16/2005 8:55 AM  
**To:** Stogner, Michael, EMNRD  
**Subject:** Fw: Directional welbore-BHL at NSL on Negro Canyon 103S

Mike: I asked Alexander and Carr to get this information to you while I was gone on vacation. I think that they did not--the following (below) is Burlington's attempt to respond. Please let me know if you need anything else. Thanks, Tom

----- Original Message -----

**From:** Alexander Alan  
**To:** Tom Kellahin (E-mail)  
**Cc:** Clark Joni  
**Sent:** Monday, August 01, 2005 2:04 PM  
**Subject:** FW: Directional welbore-BHL at NSL on Negro Canyon 103S

Here is the information Mr. Stogner requested.

-----Original Message-----

**From:** McWilliams Jay  
**Sent:** Monday, August 01, 2005 10:35 AM  
**To:** Clark Joni; McCarthy Jennifer  
**Cc:** Alexander Alan; Jackson Ed  
**Subject:** RE: Directional welbore-BHL at NSL on Negro Canyon 103S

Joni,  
Please see the comments below:

Part 1

"From the well file in the Division's records I find the expected: (i) top of the Fruitland formation to be 3291' TVD; (ii) top of the Fruitland coal to be 3491' TVD; and (iii) base of the Fruitland coal/top of the Pictured Cliffs to be 3829' TVD. I need the calculated subsurface locations for these three reference points from the South and East lines of Section 1."

In reference to the statement above:

"(i) top of the Fruitland formation to be 3291' TVD"  
2516.55' FSL & 2438.3' FEL (Location in reference to the South and East line in Section 1)

"(ii) top of the Fruitland coal to be 3491' TVD"  
2510' FSL & 2425' FEL (Location in reference to the South and East line in Section 1)

"(iii) base of the Fruitland coal/top of the Pictured Cliffs to be 3829' TVD"  
2510' FSL & 2425' FEL (Location in reference to the South and East line in Section 1)

Part 2

"Also, since Section 1 is miss-sharpened section due to survey correction, I'll will also need to know the location of these three points, as well as the expected BHL at 3914' TVD, off of the equivalent quarter section lines that separate the: (i) NE/4 equivalent (Lots 5, 6, 11, and 12) and

SE/4 equivalent (Lots 13, 14, 19, and 20); and (ii) said SE/4 equivalent and SW/4 equivalent (Lots 15, 16, 17, and 18)."

In reference to the statement above:

"(i) top of the Fruitland formation to be 3291' TVD"

58.11' South from the intersection of the equivalent quarter section lines  
147.02' East from the intersection of the equivalent quarter section lines

"(ii) top of the Fruitland coal to be 3491' TVD"

64.66' South from the intersection of the equivalent quarter section lines  
160.32' East from the intersection of the equivalent quarter section lines

"(iii) base of the Fruitland coal/top of the Pictured Cliffs to be 3829' TVD"

64.66' South from the intersection of the equivalent quarter section lines  
160.32' East from the intersection of the equivalent quarter section lines

"iv) expected BHL at 3914' TVD"

64.66' South from the intersection of the equivalent quarter section lines  
160.32' East from the intersection of the equivalent quarter section lines

Please let me know if you have any questions.  
Sincerely,

Jay Paul McWilliams  
Drilling Engineer  
Burlington Resources  
Office (505) 324-6146  
Cell (505) 320-2586

-----Original Message-----

**From:** Clark Joni

**Sent:** Monday, August 01, 2005 6:51 AM

**To:** McWilliams Jay; McCarthy Jennifer

**Cc:** Alexander Alan

**Subject:** FW: Directional wellbore-BHL at NSL on Negro Canyon 103S

Jay Paul, could you get this information which Stogner is requesting and email it back to me for submittal as soon as possible.

Thanks,

joni

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**From:** Stogner, Michael, EMNRD

**Sent:** Fri 7/29/2005 3:36 PM

**To:** Thomas Kellahin

**Cc:** jclark@br-inc.com

**Subject:** RE: Directional wellbore-BHL at NSL

I commenced reviewing the subject application shortly after receiving your e-mail, and since you asked about the status of this application, I'll tell you what information I need to write an order.

From the well file in the Division's records I find the expected: (i) top of the Fruitland formation to be 3291' TVD; (ii) top of the Fruitland coal to be 3491' TVD; and (iii) base of the Fruitland coal/top of the Pictured Cliffs to be 3829' TVD. I need the calculated subsurface locations for these three reference points from the South and East lines of Section 1.

Also, since Section 1 is miss-sharpened section due to survey correction, I'll also need to know the location of these three points, as well as the expected BHL at 3914' TVD, off of the equivalent quarter section lines that separate the: (i) NE/4 equivalent (Lots 5, 6, 11, and 12) and SE/4 equivalent (Lots 13, 14, 19, and 20); and (ii) said SE/4 equivalent and SW/4 equivalent (Lots 15, 16, 17, and 18).

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**From:** Thomas Kellahin [mailto:kellahin@earthlink.net]  
**Sent:** Fri 7/29/2005 10:09 AM  
**To:** Stogner, Michael, EMNRD  
**Subject:** Directional wellbore-BHL at NSL

Re: Burlington NSL

API 30-045-32937

Negro Canyon #103S

Surface: 1395 feet NFL and 170 feet FEL                      Sec 2, T31N,  
R8W

Bottom: 2510 feet FSL and 2425 feet FEL                      Sec1, T31N,  
R8W

Dear Mike:

I returned from vacation to find a request from Burlington to ask you about the status of their application, dated July 13, 2005, for a directional wellbore with a NSL bottom hole location. I was not involved with this filing and do not know if it is complete or not.

Regards Tom

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**From:** Clark Joni [mailto:JClark@br-inc.com]  
**Sent:** Mon 8/1/2005 7:00 AM  
**To:** Stogner, Michael, EMNRD  
**Subject:** RE: Directional welbore-BHL at NSL

Dear Mr. Stogner:

Thank you for your email below regarding the NSL application on the Negro Canyon 103S. I have our drilling engineers working on those subsurface calculations as you requested and will submit those to you as soon as possible. In regards to the discrepancy in bottom hole locations on the two different letters, I apologize for not catching that error before submitting. The correct bottom hole footage is 2510' FSL, 2425' FEL. The other information needed will be emailed to you shortly.

Thank you for your consideration in this NSL application,

Joni Clark  
Sr. Regulatory Specialist  
Burlington Resources  
505-326-9701 phone  
[jclark@br-inc.com](mailto:jclark@br-inc.com)

-----Original Message-----

**From:** Stogner, Michael, EMNRD [mailto:michael.stogner@state.nm.us]  
**Sent:** Friday, July 29, 2005 4:00 PM  
**To:** Thomas Kellahin  
**Cc:** Clark Joni  
**Subject:** RE: Directional welbore-BHL at NSL

**P.S.** Ms. Joni Clark's letter dated July 13, 2005 shows the bottom hole location as "2510' FSL, 2425' FEL" of Section 1 and Mr. John F. Zent's letter dated July 13, 2004 shows a bottom hole location of "2510' FSL, 2524' FEL" of Section 1. This is a 99 foot difference, which is the correct number?

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**From:** Stogner, Michael, EMNRD  
**Sent:** Fri 7/29/2005 3:36 PM  
**To:** Thomas Kellahin  
**Cc:** [jclark@br-inc.com](mailto:jclark@br-inc.com)  
**Subject:** RE: Directional welbore-BHL at NSL

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TVD; and (iii) base of the Fruitland coal/top of the Pictured Cliffs to be 3829' TVD. I need the calculated subsurface locations for these three reference points from the South and East lines of Section 1.

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**Sent:** Fri 7/29/2005 10:09 AM  
**To:** Stogner, Michael, EMNRD  
**Subject:** Directional wellbore-BHL at NSL

Re: Burlington NSL

API 30-045-32937

Negro Canyon #103S

Surface: 1395 feet NFL and 170 feet FEL  
R8W

Sec 2, T31N,

Bottom: 2510 feet FSL and 2425 feet FEL  
R8W

Sec1, T31N,

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**Stogner, Michael, EMNRD**


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**Cc:** jclark@br-inc.com  
**Subject:** RE: Directional wellbore-BHL at NSL  
**Attachments:**

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**Subject:** Directional wellbore-BHL at NSL

Re: Burlington NSL  
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 Negro Canyon #103S  
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 Bottom: 2510 feet FSL and 2425 feet FEL

Sec 2, T31N, R8W  
 Sec1, T31N, R8W

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**Cc:**

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**Attachments:**

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Sec 2, T31N, R8W

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