

From: Johnston, Paul J (Houston)
Sent: Fri Mar 26 14:00:57 2010
To: Vinson, Graham (Pinky); Bellow, Jonathan M
Subject: Fw: Horizon Macondo WITSML data
Importance: Normal

Guys

We are having software problems which are prohibiting us from visualizing Macondo on KI. I think that since we have instituted several "new" measures of how we are working on Macondo it might not be worth all the trouble it will be to keep pushing this through. The next well with the Horizon will be a non issue as Sperry is upgrading between wells and KI is being implemented on the rig. I think we should put this to rest unless either of you think we should keep pushing this in case things go South in a hurry. It's you guys call! It might be the contingency we were smart to keep working or a waste of time.....

Paul

From: Ortiz, Jose (HALLIBURTON)
To: Johnston, Paul J (Houston); Earley, Matthew (KONGSBERG INTELLIFIELD)
Cc: Account representative <Skip.Clark@halliburton.com>
Sent: Fri Mar 26 13:40:08 2010
Subject: RE: Horizon Macondo WITSML data

Paul,

We can install the WITSML version which would correct this problem on a different server but Kongsberg will have to submit a new firewall exception request for the new server and it could take up to two weeks for that rule to be implemented. If you want to go that route, we can start building the server today and I will provide Matthew with the necessary server information so he can submit the firewall exception.

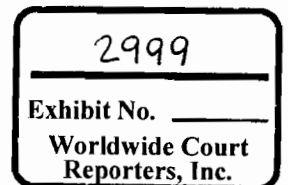
Let me know if you want to proceed the set up of a new WITSML server.

Jose Ortiz
Insite Anywhere Support
Cell: 281-727-8295
jose.ortiz@halliburton.com

From: Johnston, Paul J (Houston)
Sent: Thu 3/25/2010 16:47
To: Ortiz, Jose (HALLIBURTON); Earley, Matthew (KONGSBERG INTELLIFIELD)
Cc: Account representative
Subject: RE: Horizon Macondo WITSML data

Jose , Skip

Thanks for helping us try to figure this out. Obviously we are not changing anything on the rig while we are



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drilling Macondo. My request is to you is can you think of anyway to solve this problem from the shorebase only perspective? Are you able to sync your data onto a server that would be able to send the data in the appropriate format for KI to receive? Can you think of anything like creating a spliced log or something with the appropriate names that might enable this to take place? Otherwise I think we are dead in the water..

Thanks again

Paul

From: Ortiz, Jose (HALLIBURTON)
Sent: Thursday, March 25, 2010 3:10 PM
To: Earley, Matthew (KONGSBERG INTELLIFIELD)
Cc: Guthridge, Bruce (COMSYS); Jeremiah Myers; Krupa, Jim (KONGSBERG MARITIME AS); Juan Pablo Cristancho; Santana, Misael (LANDMARK); Johnston, Paul J (Houston)
Subject: RE: Horizon Macondo WITSML data

Matthew,

You are correct, our current WITSML version makes the uidWell name to use the INSITE well name. The new WITSML version corrects this problem and that is the version we are going to deploy to the Horizon at the end Macondo Well.

Jose Ortiz
Insite Anywhere Support
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jose.ortiz@halliburton.com

From: Matthew Earley [mailto:matthew.earley@kongsberg.com]
Sent: Thu 3/25/2010 14:53
To: Ortiz, Jose (HALLIBURTON)
Cc: Guthridge, Bruce (COMSYS); Jeremiah Myers; Krupa, Jim (KONGSBERG MARITIME AS); Juan Pablo Cristancho; Santana, Misael (LANDMARK); Johnston, Paul J (Houston)
Subject: RE: Horizon Macondo WITSML data

Jose,

There is no need to change the name of the well. In WITSML there is a nameWell and a UidWell attribute. The nameWell can be anything you want and have spaces in it, however the uidWell cannot have spaces in it and that is what's causing the issue. I'm assuming that insite makes the uidWell whatever the nameWell is and that is the problem.

Regards,

Inactive hide details for "Ortiz, Jose (HALLIBURTON)" ---03/25/2010 02:48:09 PM---Matthew,
"Ortiz, Jose (HALLIBURTON)" ---03/25/2010 02:48:09 PM---Matthew,

From: "Ortiz, Jose (HALLIBURTON)" <Jose.Ortiz@bp.com>
To: "Matthew Earley" <matthew.earley@kongsberg.com>
Cc: "Santana, Misael (LANDMARK)" <MISAEI.SANTANA@bp.com>, "Johnston, Paul J (Houston)" <Paul.Johnston@bp.com>, "Krupa, Jim (KONGSBERG MARITIME AS)" <Jim.Krupa@kongsberg.com>, "Guthridge, Bruce (COMSYS)" <Bruce.Guthridge@bp.com>, "Juan Pablo Cristancho" <juan.pablo.cristancho@kongsberg.com>, "Jeremiah Myers" <jcremiah.myers@kongsberg.com>
Date: 03/25/2010 02:48 PM
Subject: RE: Horizon Macondo WITSML data

Matthew,

The well name was selected by the mud loggers at Horizon. At this time we can not change the well name on the rig because it will create a lot of problems for us. It will be until they finish this well (Macondo) and start the next well when the mud loggers will have to comply with the Standard WITSML naming convention.

Jose Ortiz
Insite Anywhere Support
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jose.ortiz@halliburton.com

From: Matthew Earley [mailto:matthew.earley@kongsberg.com]
Sent: Thu 3/25/2010 13:49
To: Ortiz, Jose (HALLIBURTON)
Cc: Santana, Misael (LANDMARK); Johnston, Paul J (Houston); Krupa, Jim (KONGSBERG MARITIME AS); Guthridge, Bruce (COMSYS); Juan Pablo Cristancho; Jeremiah Myers
Subject: Horizon Macondo WITSML data

Jose,

As you may know, we have been tasked with synchronizing the Macondo well data from your Halliburton Insite (witsml 1.3.1) server into the Kongsberg SiteCom Utility 1.3.1 server here at BP. A firewall rule change went into effect last night (Wed. March 24th) that enabled me to make a connection from the SC Utility server to the Halliburton Insite server that the Macondo data is being housed on. This connection works perfect. I am able to query the Well, Wellbore, Logdata, etc on the Insite server without issue.

The problem I am having is when I try to synchronize the data from Insite to SiteCom. It seems that the data on the Insite server does not follow the WITSML standard with respect to the format of the LID strings.

Ex.

Parameter error: Invalid/missing XML

Message = The 'uid' attribute is invalid - The value 'MC252 BP01' is invalid according to its datatype 'http://www.witsml.org/schemas/131:uidString' - The Pattern constraint failed.
Severity = Error
LineNumber = 3
LinePosition = 9

What you see above in BLUE is what is being used by Insite as the UIDWELL. According to the WITSML standard, UID strings are not allowed to have SPACES within the string.

Here is the verbiage from Energistics (Witsml.org) outlining the standard on UidString:

```
- <
file:///C:/Documents%20and%20Settings/matthewe/My%20Documents/SiteCom/Training/witsml131%
20standard/doc/schema/typ_baseType.html#> <xsd:simpleType name="abstractUidString">

- <
file:///C:/Documents%20and%20Settings/matthewe/My%20Documents/SiteCom/Training/witsml131%
20standard/doc/schema/typ_baseType.html#> <xsd:annotation>
  <xsd:documentation>The intended abstract supertype of all locally unique identifiers.
  The value is not intended to convey any semantic content (e.g., it may be computer
  generated). The value is only required to be unique within a context in a document (e.g.,
  defined via key and keyref). There is no guarantee that the same data in multiple
  documents will utilize the same uid value unless enforced by the source of the document
  (e.g., a document server). Spaces are not allowed.</xsd:documentation>

</xsd:annotation>

- <
file:///C:/Documents%20and%20Settings/matthewe/My%20Documents/SiteCom/Training/witsml131%
20standard/doc/schema/typ_baseType.html#> <xsd:restriction base="witsml:abstractString <
file:///C:/Documents%20and%20Settings/matthewe/My%20Documents/SiteCom/Training/witsml131%
20standard/doc/schema/typ_baseType.html#abstractString> ">
  <xsd:maxLength value="64"/>
  <xsd:pattern value="[^\s]*/>

</xsd:restriction>
</xsd:simpleType>
```

As it stands, I am unable to synchronize the Macondo well data in SiteCom due to the spaces in the UID's. From what I see, this is not limited to just the UIDWELL. It lies within the UIDWELLBORE and pretty much all of the LogUID's as well. See Below:

```
<log uidWell="MC252 BP01" uidWellbore="wb_MC252 BP01"

uid="W: Chromatograph-Depth">

uid="W: Surface Parameters-Time">

uid="W: Pits-Time">

uid="W: LWD-Time">
```

Once this issue is fixed on the Insite side, I will then be able to synchronize the data into SiteCom so Paul Johnston can do the data analysis that he needs to do from DiscoverWeb. What route do you need to take to get the WITSML corrected on the Insite server?

Regards,

Matt Earley
Real-Time Environment Specialist

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