

## Rose-Coss, Dylan, EMNRD

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**From:** Rose-Coss, Dylan, EMNRD  
**Sent:** Monday, December 5, 2022 10:51 AM  
**To:** Steven Buckler  
**Cc:** David Cain; Goetze, Phillip, EMNRD; Gebremichael, Million, EMNRD; Schaefer, Alana, EMNRD  
**Subject:** RE: [EXTERNAL] Muskegon 20 State Com 1 SWD Conversion

Okay awesome,

Good to hear. Nice work then.

Regards,

Dylan

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**From:** Steven Buckler <steven.buckler@longfellowenergy.com>  
**Sent:** Monday, December 5, 2022 10:14 AM  
**To:** Rose-Coss, Dylan, EMNRD <DylanH.Rose-Coss@emnrd.nm.gov>  
**Cc:** David Cain <david.cain@longfellowenergy.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Gebremichael, Million, EMNRD <Million.Gebremichael@emnrd.nm.gov>; Schaefer, Alana, EMNRD <Alana.Schaefer@emnrd.nm.gov>  
**Subject:** Re: [EXTERNAL] Muskegon 20 State Com 1 SWD Conversion

Dylan,

We were able to get a solid casing test. We are proceeding forward as previously requested. Should be fully operable and ready to be MIT'd in the coming days. Thanks

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**From:** Rose-Coss, Dylan, EMNRD <[DylanH.Rose-Coss@emnrd.nm.gov](mailto:DylanH.Rose-Coss@emnrd.nm.gov)>  
**Sent:** Monday, December 5, 2022 10:57:17 AM  
**To:** Steven Buckler <[steven.buckler@longfellowenergy.com](mailto:steven.buckler@longfellowenergy.com)>  
**Cc:** David Cain <[david.cain@longfellowenergy.com](mailto:david.cain@longfellowenergy.com)>; Goetze, Phillip, EMNRD <[phillip.goetze@emnrd.nm.gov](mailto:phillip.goetze@emnrd.nm.gov)>; Gebremichael, Million, EMNRD <[Million.Gebremichael@emnrd.nm.gov](mailto:Million.Gebremichael@emnrd.nm.gov)>; Schaefer, Alana, EMNRD <[Alana.Schaefer@emnrd.nm.gov](mailto:Alana.Schaefer@emnrd.nm.gov)>  
**Subject:** RE: [EXTERNAL] Muskegon 20 State Com 1 SWD Conversion

Hi Steven,

Just checking in on the well. Has Longfellow been able to make any progress, or develop a plan for remediation?

Thanks,

**Dylan Rose-Coss**

*Petroleum Specialist*  
Oil Conservation Division

1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

C: (505) 372-8687



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**From:** Rose-Coss, Dylan, EMNRD

**Sent:** Tuesday, November 22, 2022 1:48 PM

**To:** Steven Buckler <[steven.buckler@longfellowenergy.com](mailto:steven.buckler@longfellowenergy.com)>

**Cc:** David Cain <[david.cain@longfellowenergy.com](mailto:david.cain@longfellowenergy.com)>; Goetze, Phillip, EMNRD <[Phillip.Goetze@emnrd.nm.gov](mailto:Phillip.Goetze@emnrd.nm.gov)>; Gebremichael, Million, EMNRD <[Million.Gebremichael@emnrd.nm.gov](mailto:Million.Gebremichael@emnrd.nm.gov)>; Schaefer, Alana, EMNRD <[Alana.Schaefer@emnrd.nm.gov](mailto:Alana.Schaefer@emnrd.nm.gov)>

**Subject:** RE: [EXTERNAL] Muskegon 20 State Com 1 SWD Conversion

Stephen,

The double packer proposal is not in alignment with NM OCD, or EPA UIC protocol.

Was the CBL of the production casing ever performed? Is there another method for determining the cause of the leak, or repairing the well?

If mechanical integrity can not be assured, a new candidate will need to be proposed and this well should be plugged.

Thanks,

**Dylan Rose-Coss**

*Petroleum Specialist*  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

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**From:** Steven Buckler <[steven.buckler@longfellowenergy.com](mailto:steven.buckler@longfellowenergy.com)>  
**Sent:** Monday, November 21, 2022 9:19 AM  
**To:** Rose-Coss, Dylan, EMNRD <[DylanH.Rose-Coss@emnrd.nm.gov](mailto:DylanH.Rose-Coss@emnrd.nm.gov)>  
**Cc:** David Cain <[david.cain@longfellowenergy.com](mailto:david.cain@longfellowenergy.com)>; Goetze, Phillip, EMNRD <[phillip.goetze@emnrd.nm.gov](mailto:phillip.goetze@emnrd.nm.gov)>; Gebremichael, Million, EMNRD <[Million.Gebremichael@emnrd.nm.gov](mailto:Million.Gebremichael@emnrd.nm.gov)>; Schaefer, Alana, EMNRD <[Alana.Schaefer@emnrd.nm.gov](mailto:Alana.Schaefer@emnrd.nm.gov)>  
**Subject:** RE: [EXTERNAL] Muskegon 20 State Com 1 SWD Conversion

Dylan,

Thank you for the quick response! Also we can provide current pressure test data on the casing (we have recently improved that leak-off metric) as well as if UIC is concerned about backside monitoring, we could install a sensor line to the first packer to understand the pressure underneath that packer. That data could be retrieved and reviewed at surface. If you have any questions, feel free to email or call me at 432-741-5355.

-Steven Buckler  
LFE Ops Engineer

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**From:** Rose-Coss, Dylan, EMNRD <[DylanH.Rose-Coss@emnrd.nm.gov](mailto:DylanH.Rose-Coss@emnrd.nm.gov)>  
**Sent:** Monday, November 21, 2022 9:37 AM  
**To:** Steven Buckler <[steven.buckler@longfellowenergy.com](mailto:steven.buckler@longfellowenergy.com)>  
**Cc:** David Cain <[david.cain@longfellowenergy.com](mailto:david.cain@longfellowenergy.com)>; Goetze, Phillip, EMNRD <[phillip.goetze@emnrd.nm.gov](mailto:phillip.goetze@emnrd.nm.gov)>; Gebremichael, Million, EMNRD <[Million.Gebremichael@emnrd.nm.gov](mailto:Million.Gebremichael@emnrd.nm.gov)>; Schaefer, Alana, EMNRD <[Alana.Schaefer@emnrd.nm.gov](mailto:Alana.Schaefer@emnrd.nm.gov)>  
**Subject:** RE: [EXTERNAL] Muskegon 20 State Com 1 SWD Conversion

Steven,

Thanks for the information. The OCD UIC team will consider the proposals and provide a decision shortly.

Regards,

**Dylan Rose-Coss**

*Petroleum Specialist*  
Oil Conservation Division

1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

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**From:** Steven Buckler <[steven.buckler@longfellowenergy.com](mailto:steven.buckler@longfellowenergy.com)>  
**Sent:** Friday, November 18, 2022 10:37 AM  
**To:** Rose-Coss, Dylan, EMNRD <[DylanH.Rose-Coss@emnrd.nm.gov](mailto:DylanH.Rose-Coss@emnrd.nm.gov)>  
**Cc:** David Cain <[david.cain@longfellowenergy.com](mailto:david.cain@longfellowenergy.com)>  
**Subject:** [EXTERNAL] Muskegon 20 State Com 1 SWD Conversion

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Dylan,

Got your contact information from David Cain who is Longfellow Energy's Regulatory Specialist. I am Steven Buckler, the Operations Engineer over the NM Loco Hills Asset. We are currently on the Muskegon 20 State Com #1. As you will see in the wellbore schematic below, in 2008, the casing had to be remediated. We are currently able to pressure up the wellbore (+/- 700 psi) but the well slowly leaks off by ~2 -3 psi/min. After some remediation attempts, we have been unable to eliminate the leak-off entirely.

What LFE proposes if possible: Is to cement from 2900' (Current TOC) to surface with UIC approved cementing plan. Show UIC proof of cementing with CBL. Then request to set double packer in tandem. One injection packer at ~9050' & another packer @ 2550'. This would isolate the leak area as well as have the packer set slightly above the intermediate casing (2594') depth. The well would also have cementing protection from injection interval to surface (can be shown by CBL).

Would this be something the UIC would consider? Any possibility of getting on a call to discuss? Any help would be much appreciated.

-Steven Buckler  
LFE Ops Engineer

**WELLBORE SCHEMATIC**

"Proposed"  
(not to scale)

