

From: [Bobby McCracken](#)
To: [Powell, Brandon, EMNRD](#); [Alex Campbell](#); [Goetze, Phillip, EMNRD](#); [Costin McQueen](#)
Cc: [Brian Egolf](#); [Bradford Moody](#); [Khem Suthiwan](#); [Polak, Tiffany, EMNRD](#); [Chris Longwell](#); [Sean Owens](#)
Subject: RE: [EXTERNAL] Enduring Resources WSW Water Sampling Plan WLU 2309-24N WSW POD 3 SWD conversion (Action ID 142953)
Date: Sunday, November 20, 2022 12:13:13 PM
Attachments: [Enduring Resources_W Lybrook WSW_WA_221108007.pdf](#)

Brandon –

It appears that Creedence took another sample and provided it to their lab. See analysis attached.

Below is the written narrative you requested:

On 11/4/2022, an Enduring representative (ERC) arrived on the WLU 2309-24N WSW POD 3 site around 10 AM. A Creedence representative (Creedence) arrived around the same time. ERC reviewed all the valving to make sure that everything was lined up from the WSW to the pond and then took a picture of the WSW meter. ERC and Creedence reviewed where on the wellhead piping a sample would be easily retrieved and Creedence connected to the identified sample port via a hose to transfer the container. Once the NM Oil Conservation Division representative (OCD) arrived, ERC ran through what had been completed and the next steps of the process. ERC started the ESP to evacuate the required 706.5 BBL volume. After the meter read an additional 706.5 BBLs, ERC took another picture of the meter and Creedence collected the samples per their procedure: "After purging the sample valve and line to remove any foreign material, water is delivered to the bottom of the sample bottle, which is placed in a large, much taller beaker until the water fills the beaker and overflows. Then, the cap is immersed in the beaker and inverted to eliminate air bubbles before removing the delivery tube and closing the sample bottle under water. Measurements that will be carried out immediately in the field after sampling the waters included: pH, Temperature, Alkalinity, Dissolved oxygen, CO₂ & H₂S. ." The samples were transported to Creedence's lab via Creedence representative and then sent out for a full analysis.

With all these materials supplied and assuming your criteria is met, please supply permit approval as soon as possible.

Thanks,
Bobby

From: Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>
Sent: Friday, November 18, 2022 2:05 PM
To: Bobby McCracken <BMcCracken@enduringresources.com>; Alex Campbell <ACampbell@enduringresources.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Costin McQueen <costin.mcqueen@confluence-cc.com>
Cc: Brian Egolf <Brian@briane golf.com>; Bradford Moody <bmoody@hrkslaw.com>; Khem Suthiwan <KSuthiwan@enduringresources.com>; Polak, Tiffany, EMNRD <Tiffany.Polak@emnrd.nm.gov>; Chris Longwell <CLongwell@enduringresources.com>; Sean Owens <SOwens@enduringresources.com>
Subject: RE: [EXTERNAL] Enduring Resources WSW Water Sampling Plan WLU 2309-24N WSW POD 3

SWD conversion (Action ID 142953)

Good afternoon,

We have reviewed the water analysis. After review, it was observed the results were a magnitude of 3 times higher than prior results, subsequently we have a few follow-up questions/requests;

- Our onsite inspector in the field indicated that during sampling it was mentioned to him additional redundant testing was going to be sent to 1-2 other labs besides Envirotech. Can you verify if that is the case?
 - If so, please provide those results as well.
- Provide a written narrative documenting the sampling and process so we can include it in the application for the official record.

Thank You

Brandon Powell
(505) 320-0200



"He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

From: Bobby McCracken <BMcCracken@enduringresources.com>

Sent: Friday, November 11, 2022 8:23 AM

To: Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; Alex Campbell <ACampbell@enduringresources.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>

Cc: Brian Egolf <Brian@brianeegolf.com>; Bradford Moody <bmoody@hrkslaw.com>; Khem Suthiwan <KSuthiwan@enduringresources.com>; Polak, Tiffany, EMNRD <Tiffany.Polak@emnrd.nm.gov>; Chris Longwell <CLongwell@enduringresources.com>; Sean Owens <SOwens@enduringresources.com>

Subject: RE: [EXTERNAL] Enduring Resources WSW Water Sampling Plan WLU 2309-24N WSW POD 3 SWD conversion (Action ID 142953)

Brandon, Phillip –

Attached is the complete water analysis for the WLU WSW sample taken on 11/14/2022.

Please let us know if there are any questions.

Thanks,
Bobby

From: Powell, Brandon, EMNRD <Brandon.Powell@emnrn.dnm.gov>
Sent: Monday, October 31, 2022 8:16 AM
To: Bobby McCracken <BMcCracken@enduringresources.com>; Alex Campbell <ACampbell@enduringresources.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrn.dnm.gov>
Cc: Brian Egolf <Brian@briane golf.com>; Bradford Moody <bmoody@hrkslaw.com>; Khem Suthiwan <KSuthiwan@enduringresources.com>; Polak, Tiffany, EMNRD <Tiffany.Polak@emnrn.dnm.gov>; Chris Longwell <CLongwell@enduringresources.com>; Sean Owens <SOwens@enduringresources.com>
Subject: RE: [EXTERNAL] Enduring Resources WSW Water Sampling Plan WLU 2309-24N WSW POD 3 SWD conversion (Action ID 142953)

Good morning,

10am sounds good. I'm currently not sure who will witness yet but once it is decided I will have the coordinate as needed.

Thank You

Brandon Powell
(505) 320-0200



"He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

From: Bobby McCracken <BMcCracken@enduringresources.com>
Sent: Friday, October 28, 2022 3:20 PM
To: Powell, Brandon, EMNRD <Brandon.Powell@emnrn.dnm.gov>; Alex Campbell <ACampbell@enduringresources.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrn.dnm.gov>
Cc: Brian Egolf <Brian@briane golf.com>; Bradford Moody <bmoody@hrkslaw.com>; Khem Suthiwan <KSuthiwan@enduringresources.com>; Polak, Tiffany, EMNRD <Tiffany.Polak@emnrn.dnm.gov>; Chris Longwell <CLongwell@enduringresources.com>; Sean Owens <SOwens@enduringresources.com>
Subject: RE: [EXTERNAL] Enduring Resources WSW Water Sampling Plan WLU 2309-24N WSW POD 3

SWD conversion (Action ID 142953)

Brandon –

Attached is the revised Water Sampling Plan as well as the wellbore volume calculation. Let us know if you have any questions.

We will be ready for your representative on 11/4/2022. How does 10 AM sound as the time for everyone to meet on pad?

Thanks,
Bobby

From: Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>

Sent: Friday, October 28, 2022 11:34 AM

To: Alex Campbell <ACampbell@enduringresources.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>

Cc: Brian Egolf <Brian@briane golf.com>; Bradford Moody <bmoody@hrkslaw.com>; Khem Suthiwan <KSuthiwan@enduringresources.com>; Bobby McCracken <BMcCracken@enduringresources.com>; Polak, Tiffany, EMNRD <Tiffany.Polak@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Enduring Resources WSW Water Sampling Plan WLU 2309-24N WSW POD 3 SWD conversion (Action ID 142953)

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Good morning Alex

As discussed your plan doesn't include a proper purging process attached is a USGS process that may be helpful. In summary you will need to purge 3 well volumes while monitoring the water quality.

Also in addition to the sampling you mentioned the main sample we need is TDS which is typically included in a General Chemistry analysis or a Cation/Anion analysis.

November 4th will work for us if it still works for you after looking at the parameters.

Thank You

Brandon Powell
(505) 320-0200



"He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

From: Alex Campbell <ACampbell@enduringresources.com>

Sent: Wednesday, October 26, 2022 2:28 PM

To: Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; phillip.goetz@emnrd.nm.gov

Cc: Brian Egolf <Brian@brianeegolf.com>; Bradford Moody <bmoody@hrkslaw.com>; Khem Suthiwan <KSuthiwan@enduringresources.com>; Bobby McCracken <BMcCracken@enduringresources.com>

Subject: [EXTERNAL] Enduring Resources WSW Water Sampling Plan WLU 2309-24N WSW POD 3 SWD conversion (Action ID 142953)

Importance: High

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Gentlemen: As a follow-up to our conversation this morning, attached is a water sampling plan for the captioned well. Our preference to accommodate ongoing operations would be to conduct the test on November 4, 2022. Brandon please have whoever from your team is going to witness the test contact Bobby McCracken in my office. His direct number is 303-350-5115. His email is included in this email chain.

If you have any questions please let me know.

Thank you for your assistance with this.

Sincerely

Alex

Alex B. Campbell
Vice President
Enduring Resources, LLC
6300 South Syracuse Way, Suite #525
Centennial, Colorado 80111

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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CONDITIONS

Action 346091

CONDITIONS

Operator: NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE 1220 S St Francis Dr Santa Fe , NM 87504	OGRID: 264235
	Action Number: 346091
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CONDITIONS

Created By	Condition	Condition Date
pgoetze	None	5/20/2024