

From: Gebremichael, Million, EMNRD
To: Fatma Abdallah
Cc: Goetze, Phillip, EMNRD; Cordero, Gilbert, EMNRD; Lydick, Barbara, EMNRD
Subject: RE: [EXTERNAL] RE: Mimosa Federal SWD #004
Date: Friday, August 11, 2023 11:15:00 AM
Attachments: image002.png
 image003.png

Hello Fatima,
 OCD has approved the plugback workover sundry. Going forward, please make sure that you acquire an approval from OCD before proceeding with any workovers.

Thanks,

Million Gebremichael

Petroleum Specialist- A
 Oil Conservation Division
 1220 South St. Francis Drive
 Santa Fe, New Mexico 87505
 Cell : 505-4791137



From: Fatma Abdallah <fabdallah@silverbackexp.com>
Sent: Friday, August 11, 2023 10:56 AM
To: Gebremichael, Million, EMNRD <Million.Gebremichael@emnr.d.nm.gov>
Cc: Goetze, Phillip, EMNRD <phillip.goetze@emnr.d.nm.gov>; Cordero, Gilbert, EMNRD <Gilbert.Cordero@emnr.d.nm.gov>; Lydick, Barbara, EMNRD <Barbara.Lydick@emnr.d.nm.gov>
Subject: [EXTERNAL] RE: Mimosa federal SWD #004

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Million,

We have filed the workover to plug back in order to reduce seismic activity in the area. We hope this will mitigate any further seismicity and reduce the risk.

Please let me know if you have any questions. I apologize for not adding this to the sundry report.

Thank you,

Fatma Abdallah

From: Gebremichael, Million, EMNRD <Million.Gebremichael@emnr.d.nm.gov>
Sent: Friday, August 11, 2023 11:28 AM
To: Fatma Abdallah <fabdallah@silverbackexp.com>
Cc: Goetze, Phillip, EMNRD <phillip.goetze@emnr.d.nm.gov>; Cordero, Gilbert, EMNRD <Gilbert.Cordero@emnr.d.nm.gov>; Lydick, Barbara, EMNRD <Barbara.Lydick@emnr.d.nm.gov>
Subject: Mimosa federal SWD #004
Importance: High

Hello Fatima,
 Could you please call me at your earliest convenience to talk about sundries pasted below.

Action Id	Type	Description	Submitted Date	Status	Status Date	Reviewer
47381 	[UF-BHT] Bradenhead Test	EOG RESOURCES INC [7377] MIMOSA FEDERAL SWD #004 30-015-26950 (Spud: 03/03/1992, Active, Vertical, Salt Water Disposal, Federal)	09/09/2021	APPROVED	12/28/2021	Gilbert Cordero
231141	[C-103] NOI Workover	Silverback Operating II, LLC [330968] MIMOSA FEDERAL SWD #004 30-015-26950 (Spud: 03/03/1992, Active, Vertical, Salt Water Disposal, Federal)	06/21/2023	SUBMITTED	06/21/2023	
222402	[C-103] NOI Workover	Silverback Operating II, LLC [330968] MIMOSA FEDERAL SWD #004 30-015-26950 (Spud: 03/03/1992, Active, Vertical, Salt Water Disposal, Federal)	05/31/2023	SUBMITTED	05/31/2023	

Thanks,

Million Gebremichael

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From: Fatma Abdallah <fabdallah@silverbackexp.com>
Sent: Thursday, January 26, 2023 9:25 AM
To: Goetze, Phillip, EMNRD <phillip.goetze@emnr.d.nm.gov>
Cc: Rose-Coss, Dylan, EMNRD <DylanH.Rose-Coss@emnr.d.nm.gov>; Powell, Brandon, EMNRD <Brandon.Powell@emnr.d.nm.gov>; Wrinkle, Justin, EMNRD <Justin.Wrinkle@emnr.d.nm.gov>; Gebremichael, Million, EMNRD <Million.Gebremichael@emnr.d.nm.gov>; Schaefer, Alana, EMNRD <Alana.Schaefer@emnr.d.nm.gov>
Subject: RE: [EXTERNAL] Prefer Injection Zone for SWD permitting

This is great information! Thank you for your quick response. I appreciate it.

Fatma Abdallah

From: Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>
Sent: Thursday, January 26, 2023 10:04 AM
To: Fatma Abdallah <fabdallah@silverbackexp.com>
Cc: Rose-Coss, Dylan, EMNRD <DylanH.Rose-Coss@emnrd.nm.gov>; Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; Wrinkle, Justin, EMNRD <Justin.Wrinkle@emnrd.nm.gov>; Gebremichael, Million, EMNRD <Million.Gebremichael@emnrd.nm.gov>; Schaefer, Alana, EMNRD <Alana.Schaefer@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Prefer Injection Zone for SWD permitting

Fatma:

It is not a matter of what OCD prefers. The selection and approval of injection intervals are based on the availability for the operator's needs, the requirements of the federal UIC program under the SDWA and the obligations detailed in the New Mexico Oil and Gas Act. In the Delaware Basin portion of the Permian, the selection of Devonian was in response to shallow disposal injection which was creating both drilling issues for completion in the deeper productive formations and flooding of producing wells. North of the Basin towards the slope and shelf, injection into the San Andres and the Upper Penn – Cisco/Canyon – has been successful. But these disposal intervals have their own issues of limited volume/rate and the higher occurrences of shallower USDW.

As to the Dagger Draw area, many of the deep disposal wells were drilled when the stratigraphic correlations in the area were not as developed as they are now. This also is a period in the history of oil and gas development when "induced seismicity" was thought not possible and was not accepted as possible liability associated with significant growth in produced water disposal.

So, Cisco/Canyon always has potential. There is even opportunity for "revitalizing" deeper disposal but with conditions such as limited rates and plugback of deep wells to isolate any communication with the Precambrian. However, there remains difficulties in the Dagger Draw area due the multitude of operators and the observation that injection sources and resulting EQ events can be offset by significant distance (Dr. Litherland's RISC presentation).

Hope this helps. PRG

From: Fatma Abdallah <fabdallah@silverbackexp.com>
Sent: Thursday, January 26, 2023 7:10 AM
To: Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>
Subject: [EXTERNAL] Prefer Injection Zone for SWD permitting

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Phil,

Our team is working on possible SWD options for our operations. However, we wanted to check with you on what would be the prefer injection zone that the OCD would approve and permit. Does the OCD prefer the Devonian versus a shallower interval like the Canyon?

Thanks,

Fatma Abdallah

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 1625 N. French Dr., Hobbs, NM 88240
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 811 S. First St., Artesia, NM 88210
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 1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 251234

CONDITIONS

Operator: EOG Y RESOURCES, INC. 104 S 4th St Artesia, NM 88210	OGRID: 25575
	Action Number: 251234
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	8/11/2023