

# UIC Permit Modification

MIT & Bradenhead Schedule

BTA Turner SWD#1  
(SWD-2507)  
pAZS2233434844  
April 11, 2024

**From:** [Hill Davenport](#)  
**To:** [Harris, Anthony, EMNRD](#); [Goetze, Phillip, EMNRD](#); [Gebremichael, Million, EMNRD](#)  
**Cc:** [Sammy Hajar](#)  
**Subject:** RE: [EXTERNAL] BTA - Turner #1 - SWD Conversion  
**Date:** Friday, April 12, 2024 7:21:59 AM  
**Attachments:** [image001.png](#)

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Understood, thank you.

Hill Davenport

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**From:** Harris, Anthony, EMNRD <Anthony.Harris@emnrd.nm.gov>  
**Sent:** Thursday, April 11, 2024 4:34 PM  
**To:** Hill Davenport <hdavenport@btaoil.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Gebremichael, Million, EMNRD <Million.Gebremichael@emnrd.nm.gov>  
**Cc:** Sammy Hajar <SHajar@btaoil.com>  
**Subject:** RE: [EXTERNAL] BTA - Turner #1 - SWD Conversion

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Good Afternoon Hill

Please proceed with Option 2 (ie. *No remediation / Continue with procedure as planned*) as outlined in your e-mail below, subject to the following requirements:

1. At the conclusion of workover operations, BTA must provide the following through Formal submission to the OCD :
  - a. A copy of the Cement Bond Log (and all other logs that are run during well conversion)
  - b. A C-103 Subsequent Report outlining this change, together with an updated copy of the Wellbore Diagram
2. An **annual** Mechanical Integrity Test (MIT) and Bradenhead Test (BHT) will be required to confirm wellbore integrity.

Regards  
Tony Harris  
Petroleum Specialist  
[Anthony.harris@emnrd.nm.gov](mailto:Anthony.harris@emnrd.nm.gov)

505 549 8131.



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**From:** Hill Davenport <[hdavenport@btaoil.com](mailto:hdavenport@btaoil.com)>

**Sent:** Thursday, April 11, 2024 2:41 PM

**To:** Goetze, Phillip, EMNRD <[phillip.goetze@emnrd.nm.gov](mailto:phillip.goetze@emnrd.nm.gov)>; Harris, Anthony, EMNRD <[Anthony.Harris@emnrd.nm.gov](mailto:Anthony.Harris@emnrd.nm.gov)>

**Cc:** Sammy Hajar <[SHajar@btaoil.com](mailto:SHajar@btaoil.com)>

**Subject:** [EXTERNAL] BTA - Turner #1 - SWD Conversion

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Good afternoon gentlemen,

As discussed on the phone, BTA has a pulling unit on location of the Turner #1 converting this well from a producing well (Abo) to an injection well (San Andres). So far, here is the work that pulling unit has completed:

- Pulled the production equipment. RIH w/ a CIBP on tubing. Set the CIBP @ 9183'. Tagged the CIBP @ the same depth w/ 10K weight down. PU to 9154'. Circ well w/ 204 bbl of FW. Pressure test production csg to 550 psi for 30 min (good test). Circ well w/ 200 bbl of salt gel. POH, LD 2-7/8" tbg. Top off well w/ 27 bbl of salt gel. MIRU WLU. Logged GR/CBL from the CIBP @ 9183' to surface (see attached).
- We are currently pulling a caliper log from the CIBP @ 9183' to surface.

From the results of our GR/CBL log, BTA has determined the TOC from behind the 5.5" production casing is @ 3624'. We also determined that this well was top-filled with cmt from surface to ~450'. The 8-5/8" intermediate shoe is @ 3500'. Therefore, the TOC is about 124' below the intermediate shoe. In the permit (see attached), Section C.2.b says that BTA needs TOC to be 200' above the intermediate shoe @ 3500'.

BTA believes we have 2 options:

1. (not recommended) Set the RBP @ 3650', dump bail sand on top. Shoot perfs at ~3550' and ~500'. Set a cement retainer @ 3490'. Sting into the retainer and perform a suicide squeeze.

2. (recommended) Continue with the procedure as planned: Set CIBP #2 and #3 and dump bail cement on top. Perforate Sand Andres 5230' – 5538' as planned. Run injection string. Perform swab test. Acidize. Perform MIT and injection test.

Option 1 is not recommended because BTA believes (1) the production casing integrity is now compromised from the perfs @ ~3550' and ~500'. (2) performing a suicide squeeze has a higher potential to damage the intermediate shoe.

Please let me know how you would like to proceed.

Thanks,

Hill Davenport  
Engineer  
BTA Oil Producers, LLC  
(432) 553-1346

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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CONDITIONS

Action 333486

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 333486
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	4/15/2024