

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](#)

Understood, thank you.

Hill Davenport

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

Caution: This email originated from outside of BTA. Do not click links or open attachments unless you recognize the sender and know the content is safe.

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

505 549 8131.



From: Hill Davenport <hdavenport@btaoil.com>

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

To: Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Harris, Anthony, EMNRD <Anthony.Harris@emnrd.nm.gov>

Cc: Sammy Hajar <SHajar@btaoil.com>

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

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

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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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COMMENTS

Action 333451

COMMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 333451
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

COMMENTS

Created By	Comment	Comment Date
anthony.harris	Modification to UIC Permit - Requirement for Annual MIT	4/15/2024

District I
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CONDITIONS

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anthony.harris	None	4/15/2024