

Melissa Luke

From: Dustin Childers
Sent: Thursday, June 12, 2025 1:02 PM
To: Melissa Luke; Brent Antolik
Cc: Tyler Gillam; Jeff Kirtland; James Head; HP329 Rig; Kaylee McIntosh
Subject: RE: Arco Deep 1-27 Pad - Surface Section Revision

Melissa / Brent -

The Arco Deep 1-27 pad drill progs have been updated and can be located in the following folder:

<P:\Drilling & Completions\Drilling\Drilling Engineering\Planning\Arco Deep 1-27\Drill Progs\Rev01>

Surface section revisions include:

- 9-5/8" 36# J-55 BTC Casing Shoe @ 150' TVD Below Wasatch
 - Total surface casing footage for pad ~ 49,432' (3,089.5' / well average)
- 14-3/4" Hole Size
- Surface Cement Volumes

Please let me know if you have any questions.

Thanks,
Dustin

From: Melissa Luke <mluke@terraep.com>
Sent: Wednesday, June 11, 2025 11:29 AM
To: Dustin Childers <dchilders@terraep.com>
Cc: Tyler Gillam <tgillam@terraep.com>; Jeff Kirtland <JKirtland@terraep.com>; Brent Antolik <Brent.Antolik@Flywheelenergy.com>; James Head <James.Head@FlywheelEnergy.com>
Subject: RE: Arco Deep 1-27 Pad - Surface Section Revision

Thank you very much. Will get them submitted ASAP once I have that.

Melissa Luke
Regulatory Specialist
TEP Rocky Mountain LLC

(Terra Energy Partners LLC)
PO Box 370 | 1058 CR 215 | Parachute, CO 81635
Office Phone (970) 263-2721
Cell Phone (970) 200-7201
Email- mluke@terraep.com



From: Dustin Childers <dchilders@terraep.com>
Sent: Wednesday, June 11, 2025 9:47 AM
To: Melissa Luke <mluke@terraep.com>
Cc: Tyler Gillam <tgillam@terraep.com>; Jeff Kirtland <JKirtland@terraep.com>; Brent Antolik <Brent.Antolik@Flywheelenergy.com>; James Head <James.Head@FlywheelEnergy.com>
Subject: RE: Arco Deep 1-27 Pad - Surface Section Revision

Melissa,

I will get updated drill progs with surface casing and cement volumes over to you.

Thanks,
Dustin

From: Katz - DNR, Aaron <aaron.katz@state.co.us>
Sent: Tuesday, June 10, 2025 8:15 PM
To: Curtis Haverkamp <curtis.haverkamp@state.co.us>
Cc: Melissa Luke <mluke@terraep.com>; Dustin Childers <dchilders@terraep.com>; Tyler Gillam <tgillam@terraep.com>; Jeff Kirtland <JKirtland@terraep.com>
Subject: Re: Arco Deep 1-27 Pad - Surface Section Revision

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

Melissa, Let me know when the sundries are submitted and I can prioritize them.

Regards,

Aaron Katz

West Area Engineer

C 970-765-6300
1120 Lincoln Street, Suite 801, Denver, CO 80203
aaron.katz@state.co.us | www.colorado.gov/ecmc

On Tue, Jun 10, 2025 at 7:02 PM Curtis Haverkamp <curtis.haverkamp@state.co.us> wrote:

Melissa,
Correct. Can proceed with the verbal for now, but a sundry in each wellfile for casing change would be appropriate.

Thanks,
Curtis Haverkamp, PE
Western Engineering Supervisor



Cell Phone: 720.786.5560

curtis.haverkamp@state.co.us

On Tue, Jun 10, 2025 at 4:45 PM Melissa Luke <mluke@terraep.com> wrote:

Good afternoon, Curtis

Would each well require a Form 4 to make this change?

Thank you,

Melissa Luke

Regulatory Specialist

TEP Rocky Mountain LLC

(Terra Energy Partners LLC)

PO Box 370 | 1058 CR 215 | Parachute, CO 81635

Office Phone (970) 263-2721

Cell Phone (970) 200-7201

Email- mluke@terraep.com



From: Curtis Haverkamp <curtis.haverkamp@state.co.us>

Sent: Monday, June 9, 2025 9:11 AM

To: Katz - DNR, Aaron <aaron.katz@state.co.us>

Cc: Dustin Childers <dchilders@terraep.com>; Tyler Gillam <tgillam@terraep.com>; Melissa Luke <mluke@terraep.com>; Jeff Kirtland <JKirtland@terraep.com>

Subject: Re: Arco Deep 1-27 Pad - Surface Section Revision

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

I agree with Aaron. This isn't a substantive change, and can be documented on a form 4.

As a side note, please remember to report any cementing details of the parasite line on the form 5.

Thanks,

Curtis Haverkamp, PE

Western Engineering Supervisor



Cell Phone: 720.786.5560

curtis.haverkamp@state.co.us

On Mon, Jun 9, 2025 at 7:11 AM Katz - DNR, Aaron <aaron.katz@state.co.us> wrote:

A Form 4 sundry for the new casing and cementing details is likely the route we will go. I added Curtis to this email to loop him in on the change and to discuss if a sundry is the best option.

Regards,

Aaron Katz
Northwest Area Engineer
Office: 303-894-2100
Cell: 970-765-6300
aaron.katz@state.co.us

On Fri, Jun 6, 2025 at 9:59 AM Dustin Childers <dchilders@terraep.com> wrote:

Good morning Aaron,

As previously discussed, the upcoming Arco Deep 1-27 pad (16 total wells) will require a deeper than permitted 9-5/8" surface shoe depth to allow for an effective parasite string design.

Factors that influenced this decision include:

- a. Pivoting to surface parasite string application on the TR 32-28-597 pad after encountering hole problems and stuck pipe in the production section (~7.5 miles NW of Arco Deep 1-27 pad)
- b. Offset operator (Laramie) is drilling with a similar surface casing design (~2 miles north of Arco Deep 1-27 pad)

Attached is a WBD comparison for a well on pad (WGV 11-27-697) that reference the following adjustments:

- The original permitted surface section was planned for 13-1/2" hole size with a casing set shoe depth 200' TVD below the Garden Gulch top.
 - Garden Gulch Top – 1616' TVD / 1760' MD
 - Original Permitted Surface Shoe – 1816' TVD / 2000' MD
- The proposed surface section would be revised for 14-3/4" hole size with a casing shoe depth 150' TVD below the Wasatch Top.
 - Wasatch Top – 2601' TVD / 2942' MD
 - Proposed Surface Shoe Revision – 2751' TVD / ~3125' MD

Please advise on steps forward and let us know if you have any questions.

Thanks,

Dustin

936-524-8828

This message and any related attachments are intended only for the use of the addressee(s) and may contain information that is PRIVILEGED and CONFIDENTIAL. If you are not the intended recipient(s), you are hereby notified that any dissemination of this communication is strictly prohibited. If you have received this communication in error, please erase all copies of the message and its attachments and notify the sender immediately.