

FYI

Begin forwarded message:

From: Curtis Haverkamp <curtis.haverkamp@state.co.us>
Date: July 23, 2025 at 12:01:48 PM CDT
To: Brent Antolik <Brent.Antolik@flywheelenergy.com>
Cc: Jeff Kirtland <Jeff.Kirtland@flywheelenergy.com>, James Head <James.Head@flywheelenergy.com>, Aaron Katz - DNR <aaron.katz@state.co.us>, Fenton Buchanan - DNR <fenton.buchanan@state.co.us>
Subject: [!] Re: Terra Energy - WGV 311-27-697 - Verbal Approval Request to P&A

DANGER!: This external sender has not been verified
Brent,
Verbal approval for plugging granted. Please fill out form 6-NOI and 6-SRA within 7 days.

Thanks,
Curtis Haverkamp, PE
Western Engineering Supervisor



Cell Phone: 720.786.5560

curtis.haverkamp@state.co.us

On Wed, Jul 23, 2025 at 10:39 AM Brent Antolik <Brent.Antolik@flywheelenergy.com> wrote:

Curtis,

My previous email did not have the final slurry data. I just received it from American Cementing and have updated below on what will be loaded out and pumped on this well

Best,

Brent Antolik, P.E.
Senior Drilling Engineer
M: 570-592-1589
Brent.Antolik@FlywheelEnergy.com

From: Brent Antolik
Sent: Wednesday, July 23, 2025 11:34 AM
To: curtis.haverkamp@state.co.us; Jeff Kirtland <Jeff.Kirtland@flywheelenergy.com>
Cc: James Head <James.Head@flywheelenergy.com>
Subject: Terra Energy - WGV 311-27-697 - Verbal Approval Request to P&A

Curtis,

Thank you for the conversation on the phone just now. See below all information we discussed for verbal approval to proceed with P&A operation on the WGV 311-27-697.

Well name: WGV 311-27-697
API: 05-045-24579

i: Description of Situation:
7/21/25 (Time is in MST)

- 14:30: Rig H&P329 drilling ahead in the 14.75" surface hole section at 2106'
 - While making a connection the BHA became stuck while the drill string was in the slips
- 15:00: Drilling jars were on top of the HWDP in the BHA, and rig began jarring on the pipe to work it free
- 24:00: After working pipe with no success, surface jars were rigged up, and rig continued working stuck pipe

7/22/25

- 06:00: Jarred on pipe with surface jars with no success, laid down jars and continued working stuck pipe
- 11:00: wireline unit arrived on location, run freepoint and found pipe was stuck below 1600'
- 14:30: backed off drill string at 1365', ordered fishing tools to continue fishing stuck pipe

7/23/25

- 02:00: Ran in hole with fishing BHA, successfully screwed into top of fish with fishing assembly
- Work stuck pipe with fishing jars, with no success

ii: TMD reached: 2,106'

iii: Casing set

- 20" conductor casing set at 110'
- 14-3/4" open hole down to 2,106'

iv: Description of fish in hole:

Directional Drilling Assembly

Estimated length: 736'

Estimated Top of Fish: 1,365'

- 14-3/4" bit
- 9-5/8" directional motor
- Non-magnetic drilling collar (2)
- MWD Tool
- MWD Gap sub
- 8" cross sub
- 8" Drill Collar

v: Description of proposed plugs

- Set Depths: 1365' to 1167'
- Volume: **41.9 bbl**
- Height: 198'

vi: Type of Cement to be used

- Density: 15.8 ppg
- Type: Class G cement
- Compressive Strength : 500 psi in 08:03, 1482 psi in 24:00 (meets requirement for 300 psi in 8 hrs, 800 psi in 72 hrs)
- Yield: 1.16 cu-ft/sk
- Total Sacks: 202
- Water: 5.007 gal/sk

Plan Forward:

- Currently rigging up wireline to perform back off at top of fish
 - 1st attempt will be at the bottom of the HWDP at stuck point of 1600'
 - If backoff is unsuccessful, plan is to back off at screw in sub tie in point of 1365'
- After backing off, rig will spot a 100' minimum cement plug
 - 15.8 ppg Class G cement (300 psi in 24 hrs, 800 psi in 72 hrs)
 - Set Depth: 1365' – 1265'
 - Yield: cu-ft/sk (TBD – waiting on cement proposal)
 - Volume: (TBD – confirming excess to pump)
- Skid off of WGV 311-27-697 to the WGV 413-27-697 to continue batch drilling surface holes on pad

Best,

Brent Antolik, P.E.
Senior Drilling Engineer



M: 570-592-1589

Brent.Antolik@FlywheelEnergy.com

Best,

Brent Antolik, P.E.
Senior Drilling Engineer
<image001.png>

M: 570-592-1589

Brent.Antolik@FlywheelEnergy.com