

Office  
 District I – (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II – (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III – (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV – (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM  
 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. 30-025-54108
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Grayling 14 Fed Com
8. Well Number 603H
9. OGRID Number 330396
10. Pool name or Wildcat LUSK; BONE SPRING, EAST (41442)

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Avant Operating, LLC	
3. Address of Operator 1515 Wynkoop Street, Suite 700. Denver, CO 80202	
4. Well Location Unit Letter <u>N</u> : <u>685</u> feet from the <u>S</u> line and <u>2098</u> feet from the <u>W</u> line Section <u>14</u> Township <u>19S</u> Range <u>32E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3623 GL	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input type="checkbox"/>
CLOSED-LOOP SYSTEM <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: Run DV tool & packer <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Avant Operating, LLC requests to run a DV tool & packer on intermediate casing if full returns are lost drilling through the Capitan Reef. The DV tool will be set a minimum of 50' below the previous shoe and 200' above the current shoe. Verbal approval for this work was given by Long Vo on 12/18/2024, see attached BLM COAs.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Contract Regulatory Analyst DATE 1/6/2025

Type or print name Meghan Twele E-mail address: mtwele@outlook.com PHONE: 720-339-6880

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

**mtwele@outlook.com**

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**From:** Vo, Long T <lvo@blm.gov>  
**Sent:** Wednesday, December 18, 2024 11:14 AM  
**To:** Ryan Harris  
**Cc:** Meghan Twele; Sarah Ferreyros  
**Subject:** RE: [EXTERNAL] Avant - Grayling Pad 1, 2, & 3 - Alternate Procedure Request

Ryan,

You have verbal approval. Please have a copy of this email on the rig site. Please follow up with a formal sundry within 5 business days.

Operator has proposed a DV tool(s), the depth may be adjusted as long as the cement is changed proportionally. The DV tool(s) may be cancelled if cement circulates to surface on the first stage.

DV tool(s) shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall contact the BLM if DV tool(s) depth cannot be set in this range. If an ECP is used, it is to be set a minimum of 50' below the shoe to provide cement across the shoe. If it cannot be set below the shoe, a CBL shall be run to verify cement coverage.

- a. First stage to DV tool(s): Cement to circulate. If cement does not circulate off the DV tool(s), contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool(s):
  - Cement to surface. If cement does not circulate, contact the appropriate BLM office.

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**From:** Ryan Harris <ryan@avantnr.com>  
**Sent:** Wednesday, December 18, 2024 9:35 AM  
**To:** Vo, Long T <lvo@blm.gov>  
**Cc:** Meghan Twele <Mtwele@outlook.com>; Sarah Ferreyros <sarah@avantnr.com>  
**Subject:** [EXTERNAL] Avant - Grayling Pad 1, 2, & 3 - Alternate Procedure Request

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

Good morning Long,

As discussed on the call, we are getting ready to move the rig to Grayling 14 Fed Com 601H, 602H, 603H, 604H, 605H, and 606H (3 pad locations in Sec14-T19S-R32E) located within the Capitan Reef contour. If we lose full

returns while drilling through the reef, we will run a DV tool and packer with a 2-stage cement job. The DV tool will be set a minimum of 50' below the previous shoe and 200' above the current shoe. Please reply to this email if we are approved to proceed with this plan for all approved wells in this unit.

Thank you,  
Ryan Harris  
Drilling & Completions Engineer  
C: 406.853.6490



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 417594

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 417594
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	1/7/2025
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/7/2025