

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.5. Lease Serial No. **NMNM077054**

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator **AVANT OPERATING LLC**3a. Address **1515 WYNKOOP STREET, SUITE 700, DENVER** 3b. Phone No. (include area code)
(720) 746-50454. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 25/T19S/R32E/NMP

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **CUTBOW 36 1 FEDERAL COM/604**9. API Well No. **3002551035**10. Field and Pool or Exploratory Area
GEM; BONE SPRING11. Country or Parish, State
LEA/NM**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

While drilling the 12.25" intermediate section, we lost full returns at 3,600'. The decision was made to run a DV tool and packet to set at 3,000' and pump a 2-stage cement design. We plan to cement the 9-5/8" casing from TD (~4,850') to surface. The BLM was contacted, and Jonathon Shepard gave verbal approval. Please see the attached email correspondence.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
SARAH FERREYROS / Ph: (720) 854-9020Title **Director of Regulatory**

Signature

Date **07/26/2023****THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

LONG VO / Ph: (575) 234-5972 / ApprovedTitle **Petroleum Engineer**Date **07/28/2023**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **CARLSBAD**

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SESE / 410 FSL / 1273 FEL / TWSP: 19S / RANGE: 32E / SECTION: 25 / LAT: 32.6251469 / LONG: -103.7152553 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 375 FSL / 2173 FEL / TWSP: 19S / RANGE: 32E / SECTION: 25 / LAT: 32.625051 / LONG: -103.7181779 (TVD: 10823 feet, MD: 10918 feet)

PPP: NWNE / 0 FNL / 2178 FEL / TWSP: 19S / RANGE: 32E / SECTION: 36 / LAT: 32.624064 / LONG: -103.718203 (TVD: 11285 feet, MD: 11554 feet)

PPP: LOT 2 / 0 FNL / 2178 FEL / TWSP: 20S / RANGE: 32E / SECTION: 1 / LAT: 32.609621 / LONG: -103.718177 (TVD: 11300 feet, MD: 16799 feet)

BHL: SWSE / 100 FSL / 2178 FEL / TWSP: 20S / RANGE: 32E / SECTION: 1 / LAT: 32.5952714 / LONG: -103.718226 (TVD: 11300 feet, MD: 22029 feet)

From: "Shepard, Jonathon W" <jshepard@blm.gov>
Date: July 16, 2023 at 12:30:58 PM MDT
To: Ryan Harris <ryan@avantnr.com>
Cc: Blake Burney <blake@avantnr.com>
Subject: Re: [EXTERNAL] RE: Avant - Cutbow 36 1 Fed Com 604H

This email acts as verbal approval to use a DV tool to cement the 9 5/8" intermediate string. All COAs from the APD still apply. Within 5 days, please submit a Drilling NOI sundry for this action, include a copy of this email chain, and include who gave the verbal in the sundry description.

Jonathon Shepard
Petroleum Engineer
Carlsbad Field Office
Phone: 575-234-2237

From: Ryan Harris <ryan@avantnr.com>
Sent: Sunday, July 16, 2023 12:17 PM
To: Shepard, Jonathon W <jshepard@blm.gov>
Cc: Blake Burney <blake@avantnr.com>
Subject: [EXTERNAL] RE: Avant - Cutbow 36 1 Fed Com 604H

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

John, just to follow up from our conversation. We plan to cement the 9-5/8" casing from TD (≈4,850') to surface.

Thank you,

Ryan Harris

406.853.6490

From: Ryan Harris
Sent: Sunday, July 16, 2023 12:35 PM
To: jshepard@blm.gov
Cc: Blake Burney <blake@avantnr.com>
Subject: Avant - Cutbow 36 1 Fed Com 604H

Operator: Avant Natural Resources

Well Name: Cutbow 36 1 Fed Com 604H

API Number: 30-025-51035

Good afternoon John,

While drilling 12.25" intermediate section, lost full returns at 3,600'. Decision made to run DV tool and packer to set at 3,000' and pump a 2 stage cement design.

Please reply with approval to move forward with this plan.

Thanks,

Ryan Harris

Drilling & Completions Engineer

C: 406.853.6490



Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 246812

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 246812
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	9/21/2023