

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
GRAYLING 14	601H		NMNM025497	NMNM025497	AVANT
GRAYLING 14	201H		NMNM025497	NMNM025497	AVANT
GRAYLING 14	301H		NMNM025497	NMNM025497	AVANT
GRAYLING 14	501H		NMNM025497	NMNM025497	AVANT

Notice of Intent

Sundry ID: 2827045

Type of Submission: Notice of Intent

Date Sundry Submitted: 12/11/2024

Date proposed operation will begin: 12/20/2024

Type of Action: APD Change

Time Sundry Submitted: 03:40

**Procedure Description:** Avant Operating, LLC requests to update the dedicated acreage of the Grayling Pad 1 wells from 640 Ac. to 1280 Ac., please see attached updated plats to reflect this change. Grayling 14 Fed Com 201H 10400097547 Grayling 14 Fed Com 301H 10400097552 Grayling 14 Fed Com 501H 10400097553 Grayling 14 Fed Com 601H 10400097554

NOI Attachments

Procedure Description

Grayling\_Pad\_1\_APD\_Change\_Sundry\_Attachmemts\_12\_11\_24\_20241218141256.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: MEGHAN TWELE

Signed on: DEC 19, 2024 09:43 AM

Name: AVANT OPERATING LLC

Title: Contract Regulatory Analyst

Street Address: 1515 WYNKOOP ST SUITE 700

City: DENVERState: CO

Phone: (720) 339-6880

Email address: MTWELE@OUTLOOK.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Accepted

Disposition Date: 12/19/2024

Signature: Long Vo

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No.
		6. If Indian, Allottee or Tribe Name
		7. If Unit of CA/Agreement, Name and/or No.

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		8. Well Name and No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API Well No.
2. Name of Operator	3a. Address	10. Field and Pool or Exploratory Area
3b. Phone No. (include area code)		11. Country or Parish, State
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 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 perfonned 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 recompletion 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.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
	Title	
Signature	Date	

<b>THE SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved by	Title	Date
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	

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

### Batch Well Data

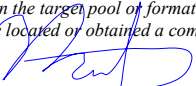


GRAYLING 14 FED COM 201H, US Well Number: null, Case Number: NMNM025497, Lease Number: NMNM025497,  
Operator:AVANT OPERATING LLC

GRAYLING 14 FED COM 301H, US Well Number: null, Case Number: NMNM025497, Lease Number: NMNM025497,  
Operator:AVANT OPERATING LLC

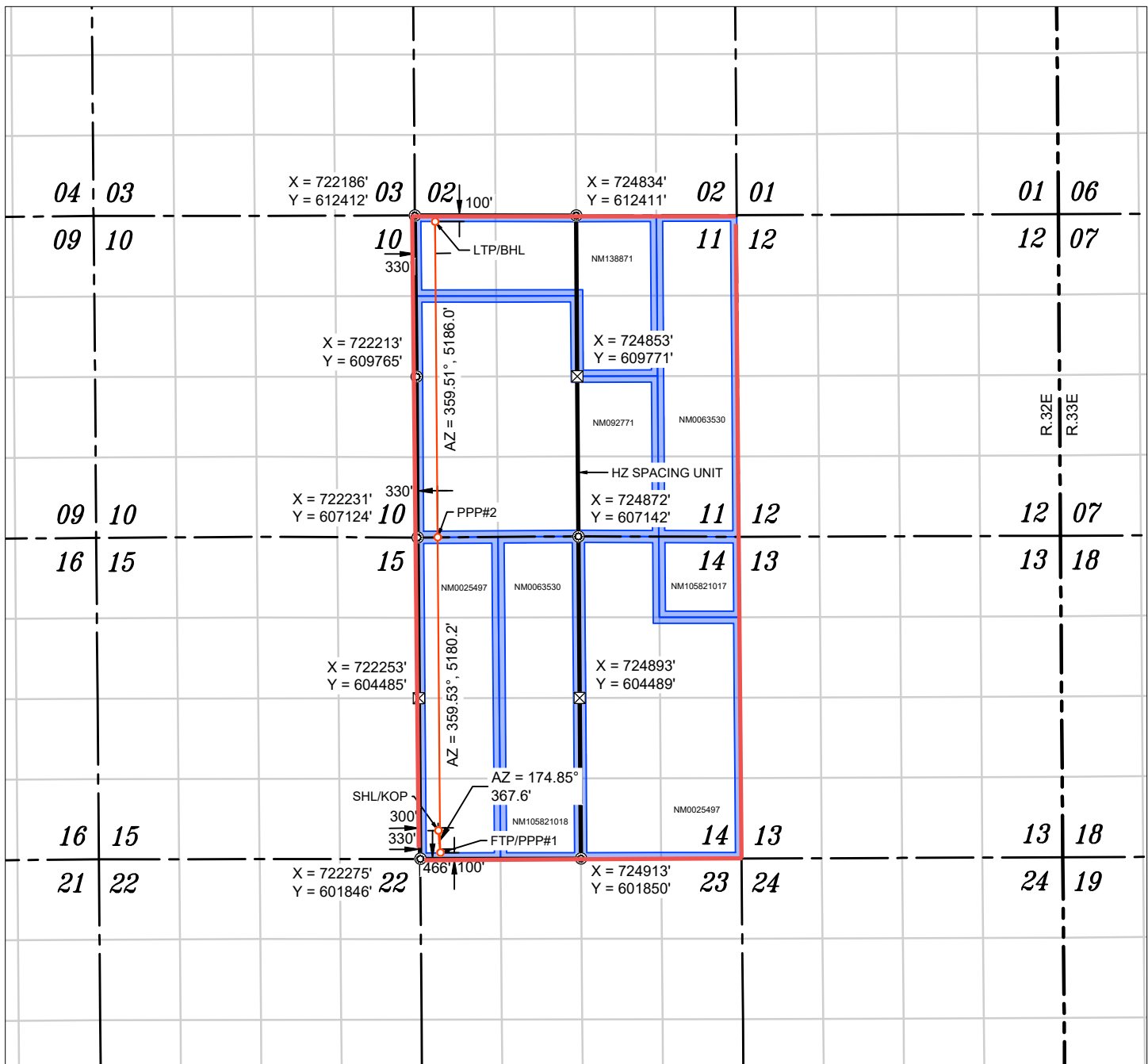
GRAYLING 14 FED COM 501H, US Well Number: null, Case Number: NMNM025497, Lease Number: NMNM025497,  
Operator:AVANT OPERATING LLC

GRAYLING 14 FED COM 601H, US Well Number: null, Case Number: NMNM025497, Lease Number: NMNM025497,  
Operator:AVANT OPERATING LLC

CONFIDENTIAL

<b>C-102</b>  Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department <b>OIL CONSERVATION DIVISION</b>		Revised July 9, 2024						
			Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal					
				<input type="checkbox"/> Amended Report					
<input type="checkbox"/> As Drilled									
<b>WELL LOCATION INFORMATION</b>									
API Number	Pool Code <b>41442</b>	Pool Name <b>LUSK;BONE SPRING, EAST</b>							
Property Code	Property Name <b>GRAYLING 14 FED COM</b>		Well Number <b>#201H</b>						
OGRID No. <b>330396</b>	Operator Name <b>AVANT OPERATING, LLC</b>		Ground Level Elevation <b>3620'</b>						
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal							
<b>Surface Location</b>									
UL <b>M</b>	Section <b>14</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot	Ft. from N/S <b>466' FSL</b>	Ft. from E/W <b>300' FWL</b>	Latitude <b>32.654422°</b>	Longitude <b>-103.744470°</b>	County <b>LEA</b>
<b>Bottom Hole Location</b>									
UL <b>D</b>	Section <b>11</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot	Ft. from N/S <b>100' FNL</b>	Ft. from E/W <b>330' FWL</b>	Latitude <b>32.681907°</b>	Longitude <b>-103.744464°</b>	County <b>LEA</b>
Dedicated Acres <b>1280.00</b>	Infill or Defining Well <b>Infill</b>	Defining Well API	Overlapping Spacing Unit (Y/N) <b>N</b>		Consolidation Code				
Order Numbers. <b>R-23615</b>			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
<b>Kick Off Point (KOP)</b>									
UL <b>M</b>	Section <b>14</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot	Ft. from N/S <b>466' FSL</b>	Ft. from E/W <b>300' FWL</b>	Latitude <b>32.654422°</b>	Longitude <b>-103.744470°</b>	County <b>LEA</b>
<b>First Take Point (FTP)</b>									
UL <b>M</b>	Section <b>14</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot	Ft. from N/S <b>100' FSL</b>	Ft. from E/W <b>330' FWL</b>	Latitude <b>32.653415°</b>	Longitude <b>-103.744369°</b>	County <b>LEA</b>
<b>Last Take Point (LTP)</b>									
UL <b>D</b>	Section <b>11</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot	Ft. from N/S <b>100' FNL</b>	Ft. from E/W <b>330' FWL</b>	Latitude <b>32.681907°</b>	Longitude <b>-103.744464°</b>	County <b>LEA</b>
Unitized Area or Area of Uniform Interest		Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical			Ground Floor Elevation: <b>3620'</b>				
<b>OPERATOR CERTIFICATIONS</b>  <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool of formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>   <b>12/11/2024</b>					<b>SURVEYOR CERTIFICATIONS</b>  <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>   				
Signature <b>Meghan Twele</b>					Signature and Seal of Professional Surveyor <b>23203</b> <b>OCTOBER 07, 2024</b>				
Printed Name <b>mtwele@outlook.com</b>					Certificate Number		Date of Survey		
Email Address									

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



WELL NAME: GRAYLING 14 FED COM #201H  
ELEVATION: 3620'

<b>NAD 83 (SHL/KOP) 466' FSL &amp; 300' FWL</b>
LATITUDE = 32.654422°
LONGITUDE = -103.744470°
<b>NAD 27 (SHL/KOP)</b>
LATITUDE = 32.654301°
LONGITUDE = -103.743970°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 602312.14' E: 722571.10'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 602249.21' E: 681391.56'

<b>NAD 83 (FTP/PPP#1) 100' FSL &amp; 330' FWL</b>
LATITUDE = 32.653415°
LONGITUDE = -103.744369°
<b>NAD 27 (FTP/PPP#1)</b>
LATITUDE = 32.653294°
LONGITUDE = -103.743869°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 601946.03' E: 722604.12'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 601883.11' E: 681424.57'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
NM0025497	5180.18'
NM092771	3963.06'
NM138871	1222.94'
<b>TOTAL</b>	<b>10366.18'</b>

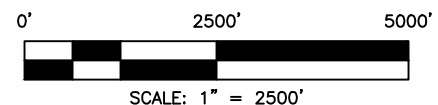
<b>NAD 83 (PPP#2) 330' FWL</b>
LATITUDE = 32.667532°
LONGITUDE = -103.743915°
<b>NAD 27 (PPP#2)</b>
LATITUDE = 32.667532°
LONGITUDE = -103.743915°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 607126.03' E: 722561.39'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 607062.98' E: 681381.98'

<b>NAD 83 (LTP/BHL) 100' FSL &amp; 330' FWL</b>
LATITUDE = 32.681907°
LONGITUDE = -103.744464°
<b>NAD 27 (LTP/BHL)</b>
LATITUDE = 32.681786°
LONGITUDE = -103.743963°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 612311.84' E: 722517.30'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 612248.66' E: 681338.04'

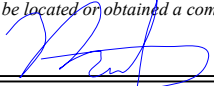


⊙ FOUND MONUMENT
⊠ CALC. CORNER
○ SHL/ KOP/ FTP / PPP/ LTP / BHL
— HORIZONTAL SPACING UNIT
— STATE OIL & GAS LEASE
— BLM OIL & GAS LEASE

## NOTES

1. ALL COORDINATES, BEARINGS, AND DISTANCES CONTAINED HEREIN ARE GRID, BASED UPON THE NEW MEXICO STATE PLANE COORDINATES SYSTEM, NORTH AMERICAN DATUM 83, NEW MEXICO EAST (3001).
2. THIS DOCUMENT IS BASED UPON AN ON THE GROUND SURVEY PERFORMED DURING OCTOBER, 2024. CERTIFICATION OF THIS DOCUMENT IS ONLY TO THE LOCATION OF THIS EASEMENT IN RELATION TO RECORDED MONUMENT OF DEEDS PROVIDED BY THE CLIENT.
3. ELEVATIONS MSL, DERIVED FROM G.N.S.S. OBSERVATION AND DERIVED FROM SAID ON-THE-GROUND SURVEY.

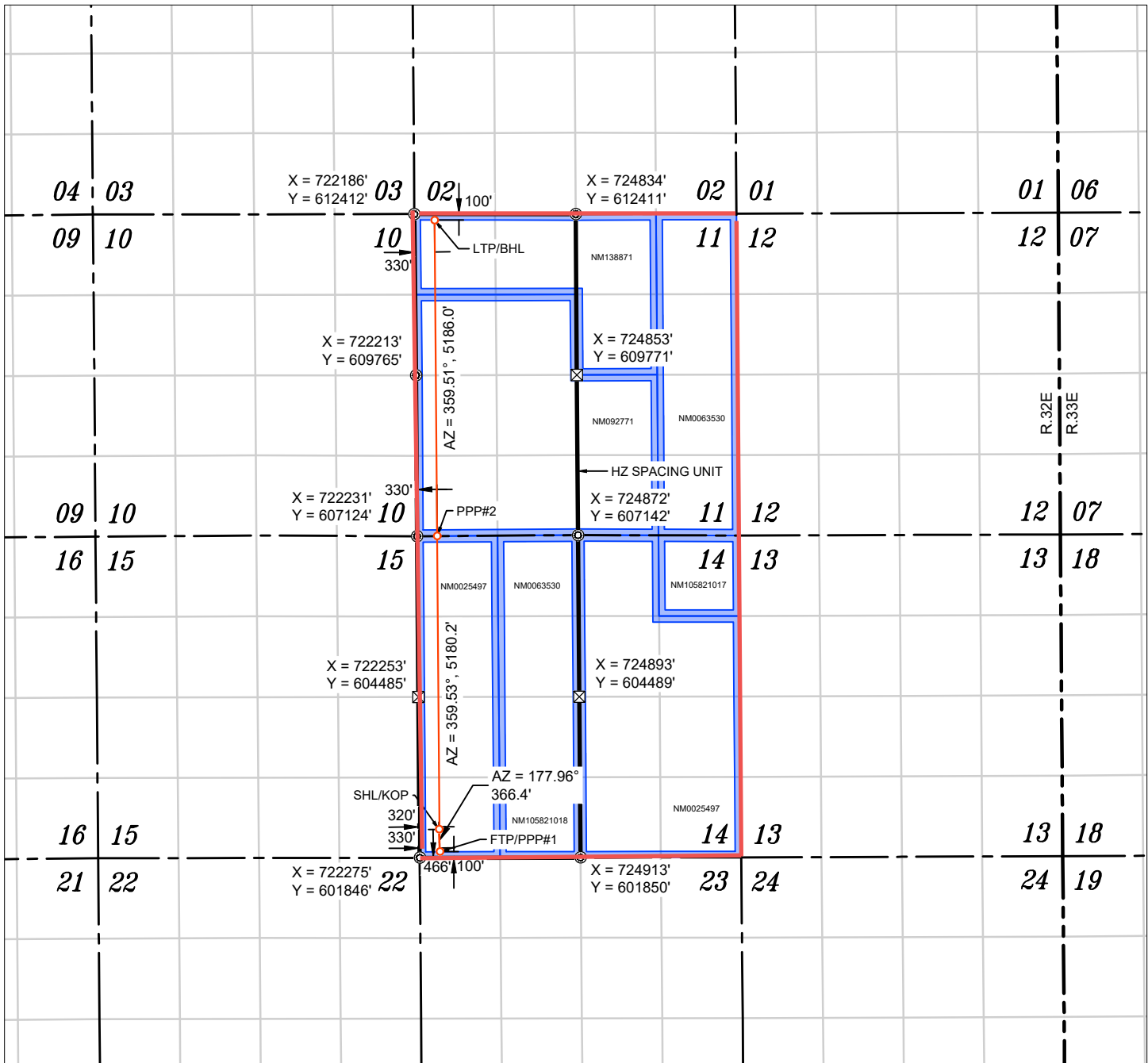




<b>C-102</b>  Submit Electronically Via OCD Permitting	<b>State of New Mexico</b> <b>Energy, Minerals &amp; Natural Resources Department</b> <b>OIL CONSERVATION DIVISION</b>		Revised July 9, 2024							
	Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled								
<b>WELL LOCATION INFORMATION</b>										
API Number	Pool Code <b>41442</b>	Pool Name <b>LUSK;BONE SPRING, EAST</b>								
Property Code	Property Name <b>GRAYLING 14 FED COM</b>		Well Number <b>#301H</b>							
OGRID No. <b>330396</b>	Operator Name <b>AVANT OPERATING, LLC</b>		Ground Level Elevation <b>3620'</b>							
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal								
<b>Surface Location</b>										
UL <b>M</b>	Section <b>14</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot <b></b>	Ft. from N/S <b>466' FSL</b>	Ft. from E/W <b>320' FWL</b>	Latitude <b>32.654422°</b>	Longitude <b>-103.744405°</b>	County <b>LEA</b>	
<b>Bottom Hole Location</b>										
UL <b>D</b>	Section <b>11</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot <b></b>	Ft. from N/S <b>100' FNL</b>	Ft. from E/W <b>330' FWL</b>	Latitude <b>32.681907°</b>	Longitude <b>-103.744464°</b>	County <b>LEA</b>	
Dedicated Acres <b>1280.00</b>					Infill or Defining Well <b>Infill</b>		Defining Well API <b></b>		Overlapping Spacing Unit (Y/N) <b>No</b>	Consolidation Code <b></b>
Order Numbers. <b>R-23615</b>					Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
<b>Kick Off Point (KOP)</b>										
UL <b>M</b>	Section <b>14</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot <b></b>	Ft. from N/S <b>466' FSL</b>	Ft. from E/W <b>320' FWL</b>	Latitude <b>32.654422°</b>	Longitude <b>-103.744405°</b>	County <b>LEA</b>	
<b>First Take Point (FTP)</b>										
UL <b>M</b>	Section <b>14</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot <b></b>	Ft. from N/S <b>100' FSL</b>	Ft. from E/W <b>330' FWL</b>	Latitude <b>32.653415°</b>	Longitude <b>-103.744369°</b>	County <b>LEA</b>	
<b>Last Take Point (LTP)</b>										
UL <b>D</b>	Section <b>11</b>	Township <b>19 S</b>	Range <b>32 E</b>	Lot <b></b>	Ft. from N/S <b>100' FNL</b>	Ft. from E/W <b>330' FWL</b>	Latitude <b>32.681907°</b>	Longitude <b>-103.744464°</b>	County <b>LEA</b>	
Unitized Area or Area of Uniform Interest					Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical			Ground Floor Elevation: <b>3620'</b>		
<b>OPERATOR CERTIFICATIONS</b>  <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>   <div style="text-align: right;">12/11/2024</div>					<b>SURVEYOR CERTIFICATIONS</b>  <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>   <div style="text-align: right;"></div>					
Signature <b>Meghan Twele</b>					Signature and Seal of Professional Surveyor <b>23203</b> <b>OCTOBER 07, 2024</b>					
Printed Name <b>mtwele@outlook.com</b>					Certificate Number		Date of Survey			
Email Address										

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





WELL NAME: GRAYLING 14 FED COM #301H  
ELEVATION: 3620'

<b>NAD 83 (SHL/KOP) 466' FSL &amp; 320' FWL</b>
LATITUDE = 32.654422°
LONGITUDE = -103.744405°
<b>NAD 27 (SHL/KOP)</b>
LATITUDE = 32.654301°
LONGITUDE = -103.743905°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 602312.17' E: 722591.10'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 602249.24' E: 681411.56'

<b>NAD 83 (FTP/PPP#1) 100' FSL &amp; 330' FWL</b>
LATITUDE = 32.653415°
LONGITUDE = -103.744369°
<b>NAD 27 (FTP/PPP#1)</b>
LATITUDE = 32.653294°
LONGITUDE = -103.743869°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 601946.03' E: 722604.12'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 601883.11' E: 681424.57'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
NM0025497	5180.18'
NM092771	3963.06'
NM138871	1222.94'
TOTAL	10366.18'

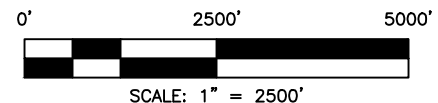
<b>NAD 83 (PPP#2) 330' FWL</b>
LATITUDE = 32.667653°
LONGITUDE = -103.744415°
<b>NAD 27 (PPP#2)</b>
LATITUDE = 32.667532°
LONGITUDE = -103.743915°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 607126.03' E: 722561.39'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 607062.98' E: 681381.98'

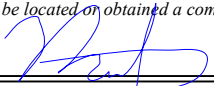


<b>NAD 83 (LTP/BHL) 100' FSL &amp; 330' FWL</b>
LATITUDE = 32.681907°
LONGITUDE = -103.744464°
<b>NAD 27 (LTP/BHL)</b>
LATITUDE = 32.681786°
LONGITUDE = -103.743963°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 612311.84' E: 722517.30'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 612248.66' E: 681338.04'

- FOUND MONUMENT  
 CALC. CORNER  
 SHL/ KOP/ FTP / PPP/ LTP / BHL  
 HORIZONTAL SPACING UNIT  
 STATE OIL & GAS LEASE  
 BLM OIL & GAS LEASE

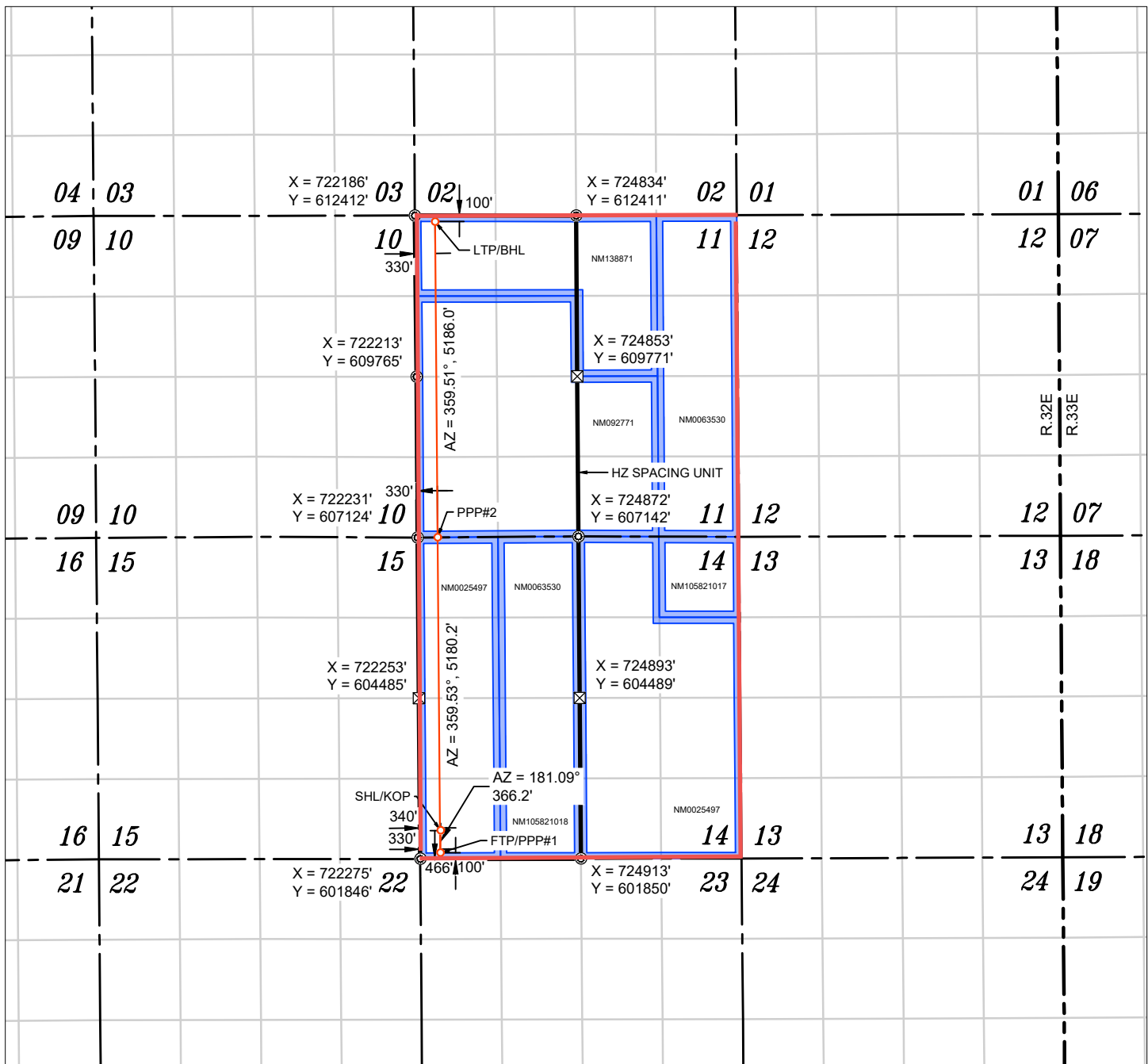
### NOTES

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3. ELEVATIONS MSL, DERIVED FROM G.N.S.S. OBSERVATION AND DERIVED FROM SAID ON-THE-GROUND SURVEY.



C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July 9, 2024						
			Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal					
				<input type="checkbox"/> Amended Report					
		<input type="checkbox"/> As Drilled							
<b>WELL LOCATION INFORMATION</b>									
API Number		Pool Code 41442	Pool Name LUSK;BONE SPRING, EAST						
Property Code		Property Name GRAYLING 14 FED COM	Well Number #501H						
OGRID No. 330396		Operator Name AVANT OPERATING, LLC	Ground Level Elevation 3621'						
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal			Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal						
<b>Surface Location</b>									
UL M	Section 14	Township 19 S	Range 32 E	Lot	Ft. from N/S 466' FSL	Ft. from E/W 340' FWL	Latitude 32.654421°	Longitude -103.744340°	County LEA
<b>Bottom Hole Location</b>									
UL D	Section 11	Township 19 S	Range 32 E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 330' FWL	Latitude 32.681907°	Longitude -103.744464°	County LEA
Dedicated Acres 1280.00		Infill or Defining Well Infill	Defining Well API		Overlapping Spacing Unit (Y/N) No		Consolidation Code		
Order Numbers. R-23615					Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
<b>Kick Off Point (KOP)</b>									
UL M	Section 14	Township 19 S	Range 32 E	Lot	Ft. from N/S 466' FSL	Ft. from E/W 340' FWL	Latitude 32.654421°	Longitude -103.744340°	County LEA
<b>First Take Point (FTP)</b>									
UL M	Section 14	Township 19 S	Range 32 E	Lot	Ft. from N/S 100' FSL	Ft. from E/W 330' FWL	Latitude 32.653415°	Longitude -103.744369°	County LEA
<b>Last Take Point (LTP)</b>									
UL D	Section 11	Township 19 S	Range 32 E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 330' FWL	Latitude 32.681907°	Longitude -103.744464°	County LEA
Unitized Area or Area of Uniform Interest		Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical			Ground Floor Elevation: 3621'				
<b>OPERATOR CERTIFICATIONS</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>   12/11/2024					<b>SURVEYOR CERTIFICATIONS</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>   				
Signature Meghan Twele					Signature and Seal of Professional Surveyor 23203 OCTOBER 11, 2024				
Printed Name mtwele@outlook.com					Certificate Number		Date of Survey		
Email Address									

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



WELL NAME: GRAYLING 14 FED COM #501H  
ELEVATION: 3621'

<b>NAD 83 (SHL/KOP) 466' FSL &amp; 340' FWL</b>
LATITUDE = 32.654421°
LONGITUDE = -103.744340°
<b>NAD 27 (SHL/KOP)</b>
LATITUDE = 32.654300°
LONGITUDE = -103.743840°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 602312.20' E: 722611.10'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 602249.27' E: 681431.56'

<b>NAD 83 (FTP/PPP#1) 100' FSL &amp; 330' FWL</b>
LATITUDE = 32.653415°
LONGITUDE = -103.744369°
<b>NAD 27 (FTP/PPP#1)</b>
LATITUDE = 32.653294°
LONGITUDE = -103.743869°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 601946.03' E: 722604.12'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 601883.11' E: 681424.57'

<b>NAD 83 (PPP#2) 330' FWL</b>
LATITUDE = 32.667653°
LONGITUDE = -103.744415°
<b>NAD 27 (PPP#2)</b>
LATITUDE = 32.667532°
LONGITUDE = -103.743915°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 607126.03' E: 722561.39'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 607062.98' E: 681381.98'

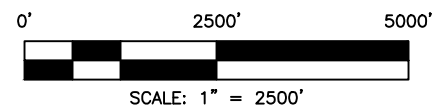
<b>NAD 83 (LTP/BHL) 100' FSL &amp; 330' FWL</b>
LATITUDE = 32.681907°
LONGITUDE = -103.744464°
<b>NAD 27 (LTP/BHL)</b>
LATITUDE = 32.681786°
LONGITUDE = -103.743963°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
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N: 612248.66' E: 681338.04'

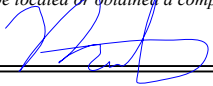


APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
NM0025497	5180.18'
NM092771	3963.06'
NM138871	1222.94'
TOTAL	10366.18'

- FOUND MONUMENT  
 CALC. CORNER  
 SHL/ KOP/ FTP / PPP/ LTP / BHL  
 HORIZONTAL SPACING UNIT  
 STATE OIL & GAS LEASE  
 BLM OIL & GAS LEASE

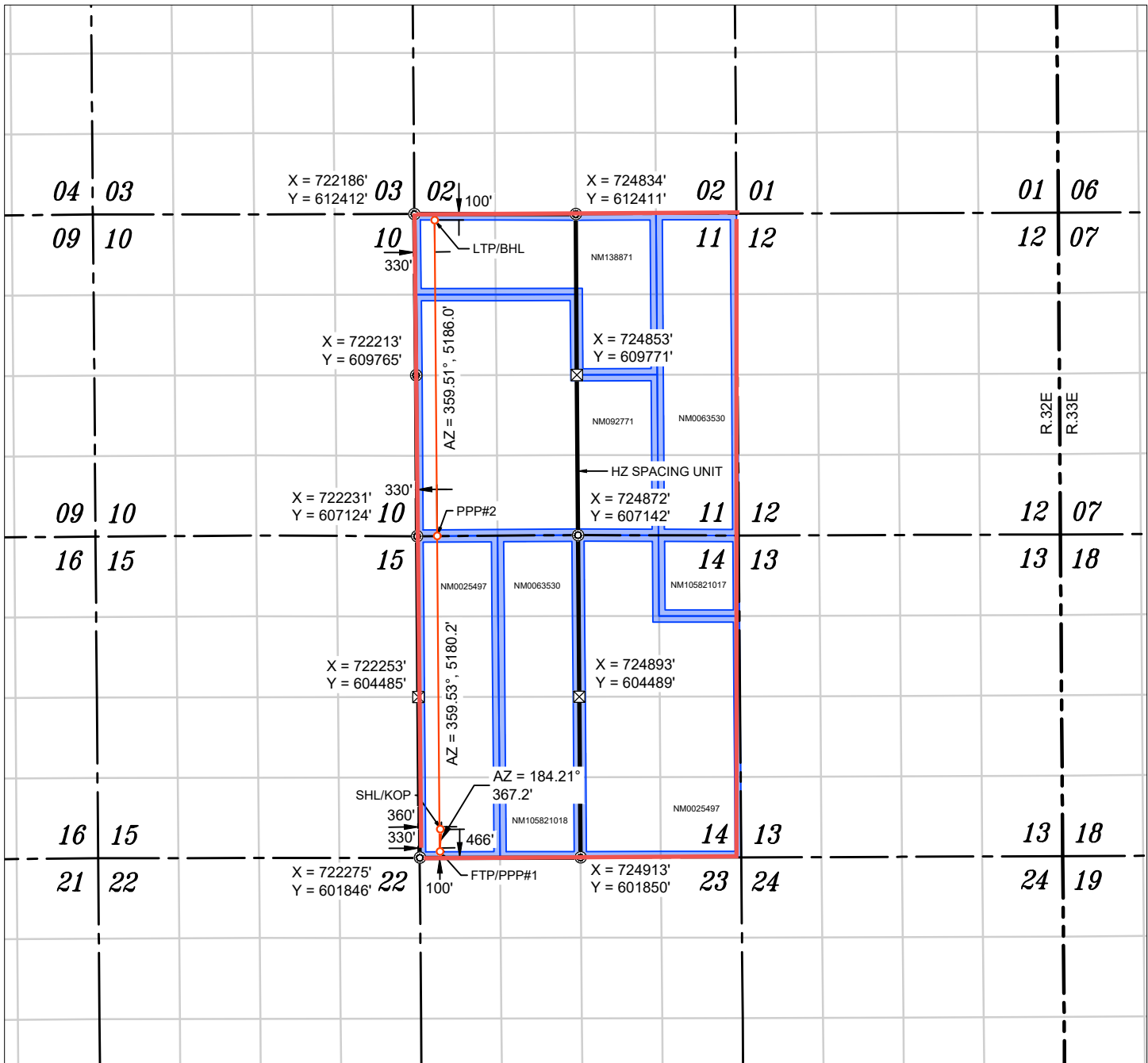
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C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July 9, 2024						
			Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal					
				<input type="checkbox"/> Amended Report					
<input type="checkbox"/> As Drilled									
<b>WELL LOCATION INFORMATION</b>									
API Number	Pool Code 41442	Pool Name LUSK;BONE SPRING, EAST							
Property Code	Property Name GRAYLING 14 FED COM		Well Number #601H						
OGRID No. 330396	Operator Name AVANT OPERATING, LLC		Ground Level Elevation 3622'						
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal							
<b>Surface Location</b>									
UL M	Section 14	Township 19 S	Range 32 E	Lot	Ft. from N/S 466' FSL	Ft. from E/W 360' FWL	Latitude 32.654421°	Longitude -103.744275°	County LEA
<b>Bottom Hole Location</b>									
UL D	Section 11	Township 19 S	Range 32 E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 330' FWL	Latitude 32.681907°	Longitude -103.744464°	County LEA
Dedicated Acres 1280.00	Infill or Defining Well Infill	Defining Well API	Overlapping Spacing Unit (Y/N) No		Consolidation Code				
Order Numbers. R-23615		Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
<b>Kick Off Point (KOP)</b>									
UL M	Section 14	Township 19 S	Range 32 E	Lot	Ft. from N/S 466' FSL	Ft. from E/W 360' FWL	Latitude 32.654421°	Longitude -103.744275°	County LEA
<b>First Take Point (FTP)</b>									
UL M	Section 14	Township 19 S	Range 32 E	Lot	Ft. from N/S 100' FSL	Ft. from E/W 330' FWL	Latitude 32.653415°	Longitude -103.744369°	County LEA
<b>Last Take Point (LTP)</b>									
UL D	Section 11	Township 19 S	Range 32 E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 330' FWL	Latitude 32.681907°	Longitude -103.744464°	County LEA
Unitized Area or Area of Uniform Interest		Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical			Ground Floor Elevation: 3622'				
<b>OPERATOR CERTIFICATIONS</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>   12/10/2024					<b>SURVEYOR CERTIFICATIONS</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>   				
Signature		Date			Signature and Seal of Professional Surveyor				
Printed Name Meghan Twele					23203 OCTOBER 11, 2024				
Email Address mtwele@oulook.com					Certificate Number				
					Date of Survey				

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



WELL NAME: GRAYLING 14 FED COM #601H  
ELEVATION: 3622'

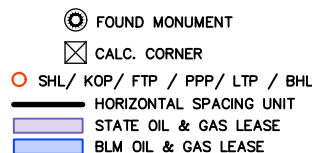
<b>NAD 83 (SHL/KOP) 466' FSL &amp; 360' FWL</b>
LATITUDE = 32.654421°
LONGITUDE = -103.744275°
<b>NAD 27 (SHL/KOP)</b>
LATITUDE = 32.654300°
LONGITUDE = -103.743775°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 602312.23' E: 722631.10'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 602249.30' E: 681451.56'

<b>NAD 83 (FTP/PPP#1) 100' FSL &amp; 330' FWL</b>
LATITUDE = 32.653415°
LONGITUDE = -103.744369°
<b>NAD 27 (FTP/PPP#1)</b>
LATITUDE = 32.653294°
LONGITUDE = -103.743869°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
N: 601946.03' E: 722604.12'
<b>STATE PLANE NAD 27 (N.M. EAST)</b>
N: 601883.11' E: 681424.57'

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
NM0025497	5180.18'
NM092771	3963.06'
NM138871	1222.94'
<b>TOTAL</b>	<b>10366.18'</b>

<b>NAD 83 (PPP#2) 330' FWL</b>
LATITUDE = 32.667653°
LONGITUDE = -103.744415°
<b>NAD 27 (PPP#2)</b>
LATITUDE = 32.667532°
LONGITUDE = -103.743915°
<b>STATE PLANE NAD 83 (N.M. EAST)</b>
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<b>NAD 27 (LTP/BHL)</b>
LATITUDE = 32.681786°
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N: 612248.66' E: 681338.04'

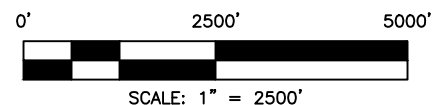


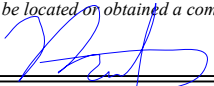


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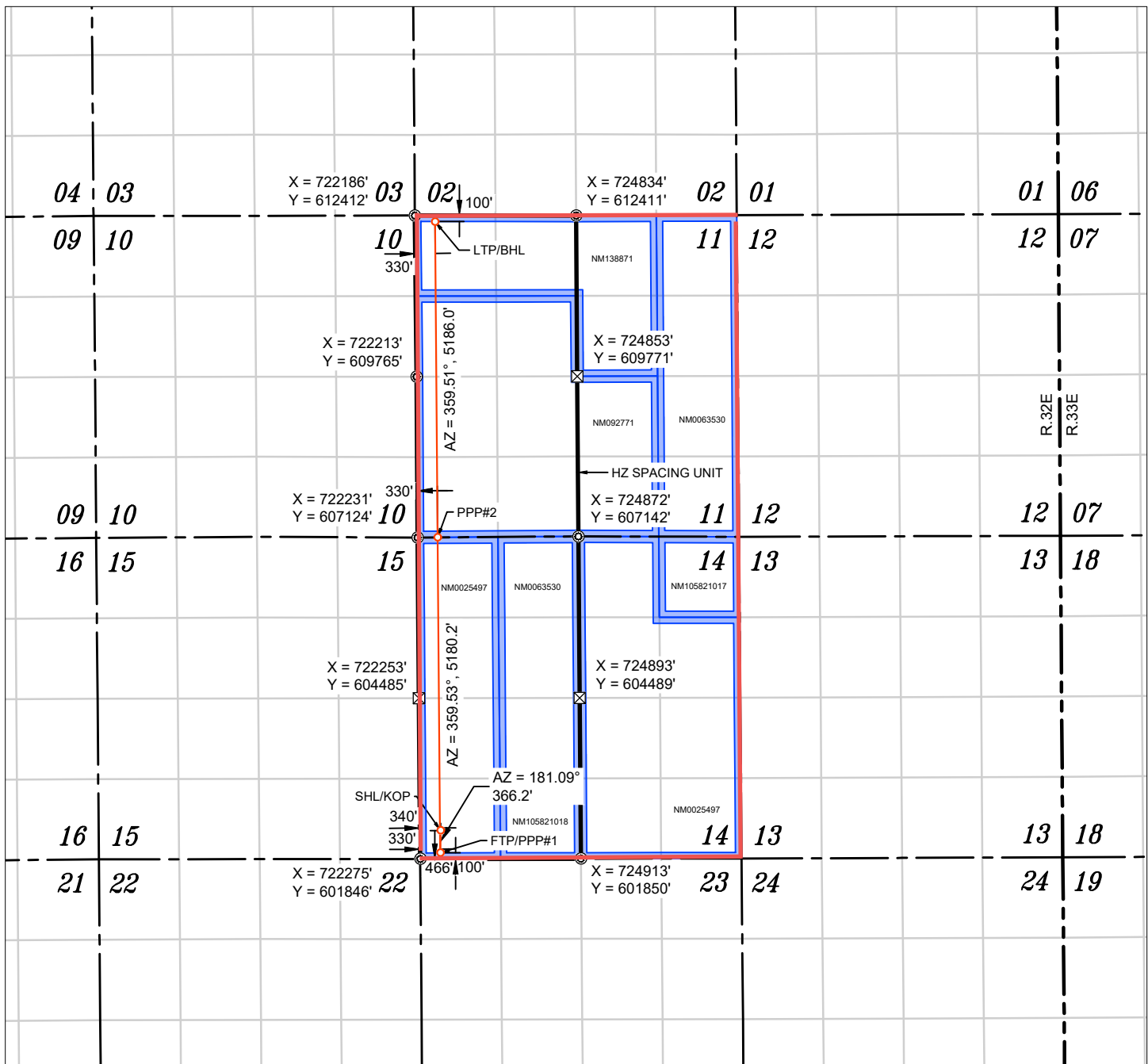
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							Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal	
								<input type="checkbox"/> Amended Report	
						<input type="checkbox"/> As Drilled			
<b>WELL LOCATION INFORMATION</b>									
API Number 30-025-54112		Pool Code 41442		Pool Name LUSK;BONE SPRING, EAST					
Property Code 336580		Property Name GRAYLING 14 FED COM					Well Number #501H		
OGRID No. 330396		Operator Name AVANT OPERATING, LLC					Ground Level Elevation 3621'		
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal					Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal				
<b>Surface Location</b>									
UL M	Section 14	Township 19 S	Range 32 E	Lot	Ft. from N/S 466' FSL	Ft. from E/W 340' FWL	Latitude 32.654421°	Longitude -103.744340°	County LEA
<b>Bottom Hole Location</b>									
UL D	Section 11	Township 19 S	Range 32 E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 330' FWL	Latitude 32.681907°	Longitude -103.744464°	County LEA
Dedicated Acres 1280.00		Infill or Defining Well Infill		Defining Well API		Overlapping Spacing Unit (Y/N) No		Consolidation Code	
Order Numbers. R-23615					Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
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UL M	Section 14	Township 19 S	Range 32 E	Lot	Ft. from N/S 466' FSL	Ft. from E/W 340' FWL	Latitude 32.654421°	Longitude -103.744340°	County LEA
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Signature  Meghan Twele					Signature and Seal of Professional Surveyor  23203 OCTOBER 11, 2024				
Printed Name  mtwele@outlook.com					Certificate Number		Date of Survey		
Email Address									

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WELL NAME: GRAYLING 14 FED COM #501H  
ELEVATION: 3621'

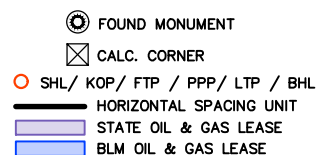
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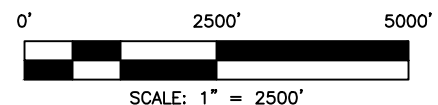
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N: 612248.66' E: 681338.04'



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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 414346

CONDITIONS		
Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID:	330396
	Action Number:	414346
	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.	12/31/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing.	12/31/2024