

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

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

Type of Action: APD Change

Date Sundry Submitted: 12/11/2024 Time Sundry Submitted: 03:40

Date proposed operation will begin: 12/20/2024

**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: DENVER State: 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**

Signature: Long Vo

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

Form 3160-5 (June 2019)

# UNITED STATES DEPARTMENT OF THE INTERIOR DUBEALL OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

BUR	EAU OF LAND MANAGEMEN	Lease Serial No.     If Indian, Allottee or Tribe Name				
Do not use this t	IOTICES AND REPORTS ON form for proposals to drill on Use Form 3160-3 (APD) for s					
SUBMIT IN	TRIPLICATE - Other instructions on p	7. If Unit of CA/Agreement, 1	Name and/or No.			
1. Type of Well Gas V	Vell Other		8. Well Name and No.			
2. Name of Operator			9. API Well No.			
3a. Address	3b. Phone N	No. (include area code)	10. Field and Pool or Explora	ntory Area		
4. Location of Well (Footage, Sec., T., R	R.,M., or Survey Description)		11. Country or Parish, State			
12. CHE	CK THE APPROPRIATE BOX(ES) TO	INDICATE NATURE (	OF NOTICE, REPORT OR OT	HER DATA		
TYPE OF SUBMISSION		TYPI	E OF ACTION			
Notice of Intent	Alter Casing H	eepen ydraulic Fracturing	Production (Start/Resume) Reclamation	Well Integrity		
Subsequent Report		ew Construction   lug and Abandon	Recomplete Temporarily Abandon	Other		
Final Abandonment Notice		lug Back	Water Disposal			
is ready for final inspection.)	true and correct. Name (Printed/Times)	icits, including rectama	non, nave occir completed and	the operator has determined that the site		
14. I hereby certify that the foregoing is	true and correct. Name (Printed/Typed)	Title				
Signature		Date				
<u> </u>	THE SPACE FOR FE		TE OFICE USF			
Approved by						
		Title		Date		
	hed. Approval of this notice does not war equitable title to those rights in the subject duct operations thereon.					
Title 18 U.S.C Section 1001 and Title 4	3 U.S.C Section 1212, make it a crime for	r any person knowingly	and willfully to make to any d	epartment or agency of the United States		

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 State 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

(Form 3160-5, page 2)

#### **Additional Information**

#### **Batch Well Data**

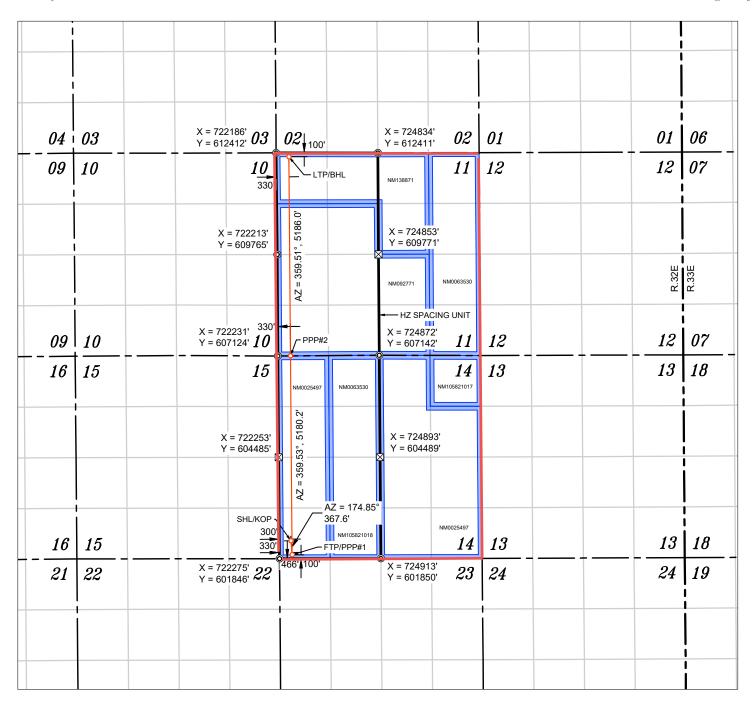
GRAYLING 14 FED COM 201H, US Well Number: null, Case Number: NMNM025497, Lease Number: NMNM025497, Operator: AVANT OPERATING LLC

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

<u>C-102</u>					tural 1	Mexico Resources Depar	tment		]	Revised July 9, 2024		
	Electronicall		OIL CONSERVA				TION DIVISION			X Initial Su	hmittal	
Via OCD Permitting									Submitta	1		
							Type: ☐ Amended Repor					
					WELL LOC	ATIO	ATION INFORMATION					
API Nu	mber		Pool Code	41442	2	Pool	Name	LUSK;B	ONE S	PRING, EA	ST	
Property	y Code		Property Na	ime	GRAYI	LING	14 FED COM			Well Numbe	#201H	
OGRID	No. 330	396	Operator Na	ame	AVANT	OPE	ERATING, LLC			Ground Leve		
Surface		State $\square$ Fee $\square$	Tribal 🛛 Fe	deral			Mineral Owner: ☐ St	ate $\square$ Fee	☐ Tribal 🏻	S Federal	3020	
					Sur	rface l	Location					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
M	14	19 S	32 E	Lot	466' FSL		300' FWL	32.654	422°	-103.744470°	LEA	
					Botto	om Ho	ole Location					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
D	11	19 S	32 E		100' FNL	-	330' FWL	32.681	907°  -	-103.744464°	LEA	
Dedicat	ed Acres	Infill or Defin	ning Well	Defining	Well API	(	Overlapping Spacing U	Jnit (Y/N)	Consolid	ation Code		
128	0.00	Infi	1				N					
Order N	Numbers.	R-23615					Well setbacks are une	der Commo	n Ownersh	nip: □Yes 🏿 No		
					Kick	Off P	Point (KOP)					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude	T	Longitude	County	
M	14	19 S	32 E		466' FSL		300' FWL	32.654	422°	-103.744470°	LEA	
	1						Point (FTP)					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
М	14	19 S	32 E		100' FSL	_	330' FWL	32.653	415°	-103.744369°	LEA	
	1			1	Last	Take l	Fake Point (LTP)					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
D	11	19 S	32 E		100' FNL	_	330' FWL	32.681	907°  -	-103.744464°	LEA	
	1		I	1	I							
Unitized	d Area or Ar	ea of Uniform I	nterest	Spacing	Unit Type 🛭 Ho	rizonta	al □ Vertical	Grou	nd Floor El	levation: 3620'		
OPERATOR CERTIFICATIONS  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.  If this well is a horizontal well, I further certify that this organization has received the					I he sur	JRVEYOR CERTIFI eereby certify that the well rveys made by me or under my belief.	location shown					
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.  12/11/2024					/	ME			A POFESSIO	ONAL SURVETOR		
Signature Date						Sig	gnature and Seal of Profe	essional Surve	yor			
Meghan Twele					23	3203	OCTOBE	R 07, 20	24			
Printed Name						Cer	ertificate Number	Date of Sur	vey			
	mt	wele@out	look.com	L		_						
Email Address						_						



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

NAD 83 (SHL/KOP) 466' FSL & 300' FWL
LATITUDE = 32.654422°
LONGITUDE = -103.744470°
NAD 27 (SHL/KOP)
LATITUDE = 32.654301°
LONGITUDE = -103.743970°
STATE PLANE NAD 83 (N.M. EAST)
N: 602312.14' E: 722571.10'
STATE PLANE NAD 27 (N.M. EAST)
N. 602240 21! E. 691201 56!

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

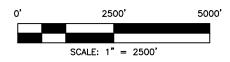
APPROXIMATE WELL BORE									
DISTANCE FROM FTP TO LTP									
NM0025497	5180.18'								
NM092771	3963.06'								
NM138871	1222.94'								
TOTAL	10366.18'								

NAD	83 (PPP#	2) 330' F	WL	
LAT	TTUDE =	32.66765	3°	
LON	IGITUDE	= -103.74	4415°	
NA	) 27 (PPP:	<del>¥</del> 2)		
LAT	TTUDE =	32.66753	2°	
LON	IGITUDE	= -103.74	3915°	
STA	TE PLAN	E NAD 8	3 (N.M. EAS	ST)
N: 6	07126.03'	E: 722561	.39'	
STA	TE PLAN	E NAD 2	7 (N.M. EAS	ST)
N: 6	07062.98'	E: 681381	.98'	

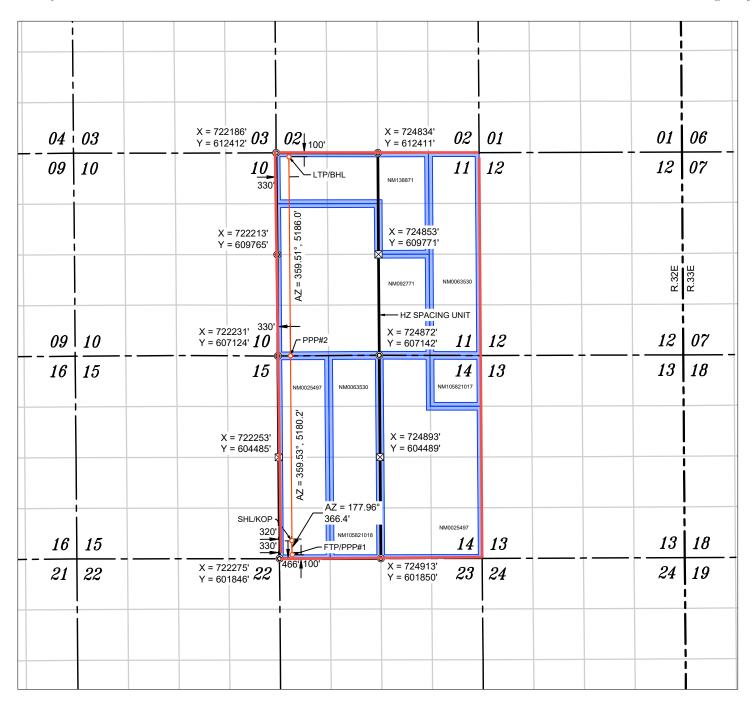
NAD 83 (LTP/BHL) 100' FNL & 330' FWL
LATITUDE = 32.681907°
LONGITUDE = -103.744464°
NAD 27 (LTP/BHL)
LATITUDE = 32.681786°
LONGITUDE = -103.743963°
STATE PLANE NAD 83 (N.M. EAST)
N: 612311.84' E: 722517.30'
STATE PLANE NAD 27 (N.M. EAST)
N: 612248.66' E: 681338.04'

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

- 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.



Note	<u>C-102</u>			State of Nev Energy, Minerals & Natur				ral Resources Department			Revised July 9, 2024		
Type:   As Delikal   As Delik				OIL CONSERVA				ON DIVISION	a 1				
API Number										1	1 ☐ Amended	☐ Amended Report	
Pool Number													
A						WELL LOC	CATIO	TION INFORMATION					
County							Pool	l Name	USK;BO	NE SP	RING, EAS	Т	
Operator Name	Property	y Code		Property Na	ıme	GRAY	LING	14 FED COM			Well Numbe		
Surface   Location   Latitude   Longitude   County	OGRID	No. 330	396	Operator Na	ıme	AVANT	OPE	ERATING, LLC			Ground Leve	el Elevation	
UL   Section   Township   Range   Lot   Ft. from NS   A66 FSL   Section   Township   Range   Lot   Ft. from NS   100 FNL   Section   Township   Range   Lot   Ft. from NS   The from EW   32.684907°   -103.744405°   LEA	Surface	Owner:   S	State  Fee	Tribal X Fee	deral			Mineral Owner: ☐ St	ate 🗆 Fee [	☐ Tribal <b>X</b>	] Federal		
UL   Section   Township   Range   Lot   Ft. from NS   A66 FSL   Section   Township   Range   Lot   Ft. from NS   100 FNL   Section   Township   Range   Lot   Ft. from NS   The from EW   32.684907°   -103.744405°   LEA						Su	irface l	Location					
County	UL	Section	Township	Range	Lot	1			Latitude		Longitude	County	
UL Section   Township   Range   1.0t   Ft. from N/S   100° FNL   330° FWL   32.681907°   103.744464°   LEA    Defining Well API   Overlapping Spacing Unit (Y/N)   Consolidation Code   No   No   No   No   No   No   No   N	М	14	19 S	32 E		466' FSL	L	320' FWL	32.654	422°  -	·103.744405°	LEA	
Deficient   Area   Infill of Defining   Well   Defining   Well   Defining   Well   API   Overlapping Spacing   Unit (Y/N)   Consolidation   Code						Botto	om Ho	ole Location	1				
Dedicated Acres   Infill or Defining Well   Defining Well API   Overlapping Spacing Unit (Y/N)   Consolidation Code   No	UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
Table   Tabl	D	11	19 S	32 E		100' FNL	-	330' FWL	32.6819	907°  -	103.744464°	LEA	
Table   Tabl								-					
Section   Township   Range   Lot   Ft. from N/S   Ft. from E/W   Latitude   Longitude   County				-	Defining	Well API	(		Jnit (Y/N)	Consolida	ation Code		
County   C								· ·					
UL Section 19 S a 2 E	Order	Numbers.	R-236	15				Well setbacks are under Common Ownership: ☐Yes XINo					
M 14 19 S 32 E						Kick	Off P	Point (KOP)					
County   C			1	_	Lot						_	County	
UL Section 14 19 S 32 E	M	14	19 S	32 E					32.6544	422°  -	103.744405°	LEA	
M 14 19 S 32 E 100° FSL 330° FWL 32.653415° -103.744369° LEA    Leating   L	***	Τ	T		T -						w 1. 1		
Last Take Point (LTP)  UL Section Township Range Lot Ft. from N/S 19 S 2E 100 'Ft. from E/W 14 S 22.681907° -103.744464° LEA  Unitized Area or Area of Uniform Interest Spacing Unit Type \( \bar{\text{M}} \) Horizontal \( \begin{align*} \begin{align*} \text{Ft. from E/W} \\ 330' \text{FWL} \\ 330' \text{FWL} \\ 330' \text{FWL} \\ 32.681907° \\ -103.744464° \\ LEA \\  Unitized Area or Area of Uniform Interest Spacing Unit Type \( \bar{\text{M}} \) Horizontal \( \begin{align*} \begin{align*} \text{Vertical} \\ \end{align*} \) Ground Floor Elevation:  3620'  OPERATOR CERTIFICATIONS  I hereby certify that the information contained herein is rue and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization thereoves an evolution with the same is true and complete to the least of the owns a vorking interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill his well at this location pursuant to a contract with an 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 for obtained a compulsory pooling order from the division.  12/11/2024  Signature Date Signature and Seal of Professional Surveyor  Meghan Twele 23203 OCTOBER 07, 2024  Printed Name Certificate Number Date of Survey			•		Lot						_	,	
Unitized Area or Area of Uniform Interest  Spacing Unit Type \( \) Horizontal \( \) Vertical \( \) Ground Floor Elevation:  3620'  OPERATOR CERTIFICATIONS  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 there owns a working interest or unleased mineral interests in location problems to a contract with an owner of a working interest or unleased mineral interests 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.  12/11/2024  Signature  Date  Thereby certify that the same lessee or owner of a working interest or unleased mineral interests 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.  12/11/2024  Signature and Seal of Professional Surveyor  Meghan Twele  October 100. Fit, from E/W and 33.681907°  Stepanture and Seal of Professional Surveyor  Date of Survey  Date of Survey	IVI	14	19.5	32 E					32.033	+13  -	103.744309	LEA L	
Unitized Area or Area of Uniform Interest  Spacing Unit Type X Horizontal Vertical  Ground Floor Elevation: 3620'  SURVEYOR CERTIFICATIONS  I hereby certify that the information contained herein is true and complete to the best of wind related the information contained herein is true and complete to the best of organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location on has a right to add this swell 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.  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 for obtainful a compulsory pooling order from the division.  12/11/2024  Signature  Date  Meghan Twele  OCTOBER 07, 2024  Printed Name  mtwele@outlook.com	III.	Section	Township	Range	Lot				L atitude		Longitude	County	
Unitized Area or Area of Uniform Interest  Spacing Unit Type & Horizontal  Vertical  OPERATOR CERTIFICATIONS  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.  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 on bottom of the proposed bottom of the proposed bottom of the same is true and certain the best of my belief.  Signature  Date  Signature and Seal of Professional Surveyor  23203  OCTOBER 07, 2024  Date of Survey			1		201						_	•	
OPERATOR CERTIFICATIONS  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.  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.  12/11/2024  Signature  Date  Signature and Seal of Professional Surveyor  23203  OCTOBER 07, 2024  Printed Name  mtwele@outlook.com		1 ''	100	] 02 L		100 1142	_	000 1 112	<u> </u>				
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.  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.  12/11/2024  Signature  Date  Signature and Seal of Professional Surveyor  Meghan Twele  OCTOBER 07, 2024  Printed Name  mtwele@outlook.com  Thereby certify that the well locations 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 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 hereby certify that the well location shown on this plat was plotted from the land interest in the land of my belief.  I hereby certify that the well location shown on this plat was plotted from the land of my belief.  I hereby certify that the well location shown on this plat was plotted from the land of my belief.  I hereby certify that the well location shown on this plat was plotted from the land of my belief.  I hereby certify that the well location shown on this land that the same is true and early my belief.  I hereby certify that the well location shown on this land	Unitize	d Area or Are	ea of Uniform I	nterest	Spacing 1	Unit Type 🛭 Ho	orizonta	al 🗆 Vertical	Grour	nd Floor El			
Signature and Seal of Professional Surveyor  Meghan Twele  23203 OCTOBER 07, 2024  Printed Name mtwele@outlook.com  Date of Survey	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.  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					I ha sur of t	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.  B. TOMER B. TOMER B. TOMER B. 23203				B. TOMERIA		
Meghan Twele 23203 OCTOBER 07, 2024  Printed Name Certificate Number Date of Survey  mtwele@outlook.com	1 · (w )						-   -   -	gnature and Seal of Profe	essional Surve	evor	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	WAL SURVE	
Printed Name Certificate Number Date of Survey  mtwele@outlook.com										•	24		
mtwele@outlook.com													
	Timted		mtwolo@o	utlook oo	m			itilicate (valide)					
Email Address	Email A		IIIWEIE@U	utiook.co	111		-						



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

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

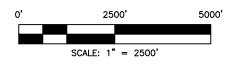
NAD 83 (FTP/PPP#1) 100' FSL & 330' FWL
LATITUDE = 32.653415°
LONGITUDE = -103.744369°
NAD 27 (FTP/PPP#1)
LATITUDE = 32.653294°
LONGITUDE = -103.743869°
STATE PLANE NAD 83 (N.M. EAST)
N: 601946.03' E: 722604.12'
STATE PLANE NAD 27 (N.M. EAST)
N: 601883.11' E: 681424.57'

NAD 83 (PPP#2) 330' FWL	NAD 83 (LTP/BHL) 100' FNL & 330' FWL
LATITUDE = 32.667653°	LATITUDE = 32.681907°
LONGITUDE = -103.744415°	LONGITUDE = -103.744464°
NAD 27 (PPP#2)	NAD 27 (LTP/BHL)
LATITUDE = 32.667532°	LATITUDE = 32.681786°
LONGITUDE = -103.743915°	LONGITUDE = -103.743963°
STATE PLANE NAD 83 (N.M. EAST)	STATE PLANE NAD 83 (N.M. EAST)
N: 607126.03' E: 722561.39'	N: 612311.84' E: 722517.30'
STATE PLANE NAD 27 (N.M. EAST)	STATE PLANE NAD 27 (N.M. EAST)
N: 607062.98' E: 681381.98'	N: 612248.66' E: 681338.04'

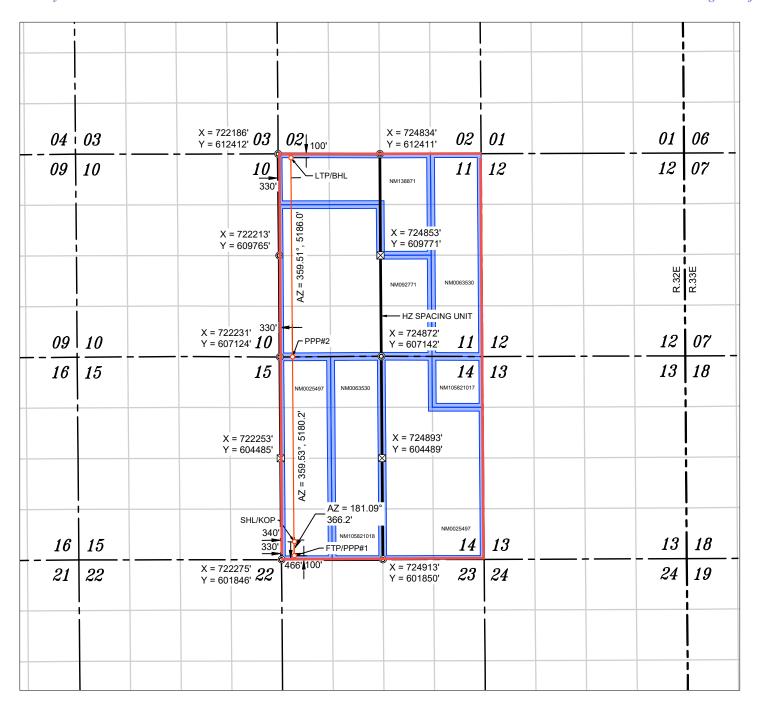
APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP							
NM0025497 5180.18'							
NM092771	3963.06'						
NM138871	1222.94'						
TOTAL 10366.18'							

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

- 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).
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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 Nev Energy, Minerals & Natur OIL CONSERVA				Resources Depar	Revised July 9, 202		Revised July 9, 2024			
Via OCD Fermitting										1 Amended			
							Type: As Drilled						
					WELL LOC	ATIO	N INFORMATION						
API Nu	ımber		Pool Code	41442	2	Pool	Name LUSP	K;BONE	SPRIN	G, EAST			
Propert	y Code		Property Na	ime	GRAYI	LING	NG 14 FED COM  Well Number #501H						
OGRIE	No. 330	396	Operator Na	ame	AVANT	OPE	DPERATING, LLC			Ground Leve	Ground Level Elevation 3621'		
Surface	Owner:  S	State  Fee	Tribal 💢 Fee	deral			Mineral Owner:   St	tate $\square$ Fee	☐ Tribal 🏻	Tederal			
					Su	rface l	Location						
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County		
М	14	19 S	32 E		466' FSL	-	340' FWL	32.654	421° -	103.744340°	LEA		
					Botto	om Ho	le Location						
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County		
D	11	19 S	32 E		100' FNL	-	330' FWL	32.681	907°  -	103.744464°	LEA		
		V 611 D 6	. *** 11	l 5 g ·	*** 11 + 75*	- 1.							
Dedicat	ted Acres	Infill or Defir	-	ng Well Defining Well API			Overlapping Spacing U	Init (Y/N)	Consolida	ntion Code			
	Numbers.	R-2361					Well setbacks are under Common Ownership: □Yes ☒No						
		IX 2301.	<u> </u>				wen setoacks are under common Ownership.   — I es Mino						
T 1T	I a .:	Torrmohin	Domas	T .			oint (KOP)	T .:. 1	Т	Lamaituda	Country		
UL <b>M</b>	Section 14	Township 19 S	Range 32 E	Lot	Ft. from N/S 466' FSL		Ft. from E/W 340' FWL	Latitude 32.654		Longitude 103.744340°	County LEA		
IVI	14	19.0	32 L				Point (FTP)	02.001		100.111010	LLA		
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County		
М	14	19 S	32 E		100' FSL	_	330' FWL	32.653415° -		103.744369°	LEA		
					Last	Take l	Point (LTP)						
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County		
D	11	19 S	32 E		100' FNL	-	330' FWL	32.681	907°  -	103.744464°	LEA		
				1									
Unitize	d Area or Ar	ea of Uniform I	nterest	Spacing	Unit Type 🛚 Ho	orizonta	al ∐ Vertical	Grou	nd Floor El	evation: 3621'			
ODED	ATOD CED	ΓΙΓΙCATIONS	1			SI I	IDVEVOD CEDTIEI	CATIONS					
I hereby	certify that the	information conta	iined herein is ti		lete to the best of	I he	SURVEYOR CERTIFICATIONS  I hereby certify that the well location shown on this plat was plotted from field notes of actual						
		ef, and, if the well as a working intere					veys made by me or under my belief.	r my supervisio	on, and that th	he same is true and	B. TOMES		
		bottom hole locati contract with an ov			well at this unleased mineral					THE	MER		
	or to a volunta by the division.	ry pooling agreem	nent or a comput	sory pooling	order heretofore					St. St.	CO IZ		
If this well is a horizontal well, I further certify that this organization has received the									(2	3203			
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.					177	1/		POR	, redor				
12/11/2024									~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	DNAL SURVETOR			
Signature Date					Sig	gnature and Seal of Profe	essional Surve	eyor					
Meghan Twele					232	203	OCTOBE		24				
Printed Name					Cei	rtificate Number	Date of Sur	vey					
		le@outloo	k.com			_							
Email Address													



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

NAD 83 (SHL/KOP) 466' FSL & 340' FWL
LATITUDE = 32.654421°
LONGITUDE = -103.744340°
NAD 27 (SHL/KOP)
LATITUDE = 32.654300°
LONGITUDE = -103.743840°
STATE PLANE NAD 83 (N.M. EAST)
N: 602312.20' E: 722611.10'
STATE PLANE NAD 27 (N.M. EAST)
N: 602249 27' E: 681431 56'

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

AD 83 (FTP/PPP#1) 100' FSL & 330' FWL	
ATITUDE = 32.653415°	APPRO
ONGITUDE = -103.744369°	DISTANC
(AD 27 (FTP/PPP#1)	NM00254
ATITUDE = 32.653294°	NM0927
ONGITUDE = -103.743869°	NMU927
TATE PLANE NAD 83 (N.M. EAST)	NM1388
I: 601946.03' E: 722604.12'	TOTAL
TATE PLANE NAD 27 (N.M. EAST)	TOTAL
I: 601883.11' E: 681424.57'	

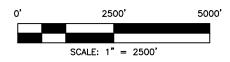
NAD 83 (PPP	#2) 330' FWL
LATITUDE :	= 32.667653°
	E = -103.744415°
NAD 27 (PP	P#2)
LATITUDE :	= 32.667532°
LONGITUD	E = -103.743915°
STATE PLA	NE NAD 83 (N.M. EAST)
N: 607126.03	s' E: 722561.39'
STATE PLA	NE NAD 27 (N.M. EAST)
N: 607062.98	8' E: 681381.98'

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

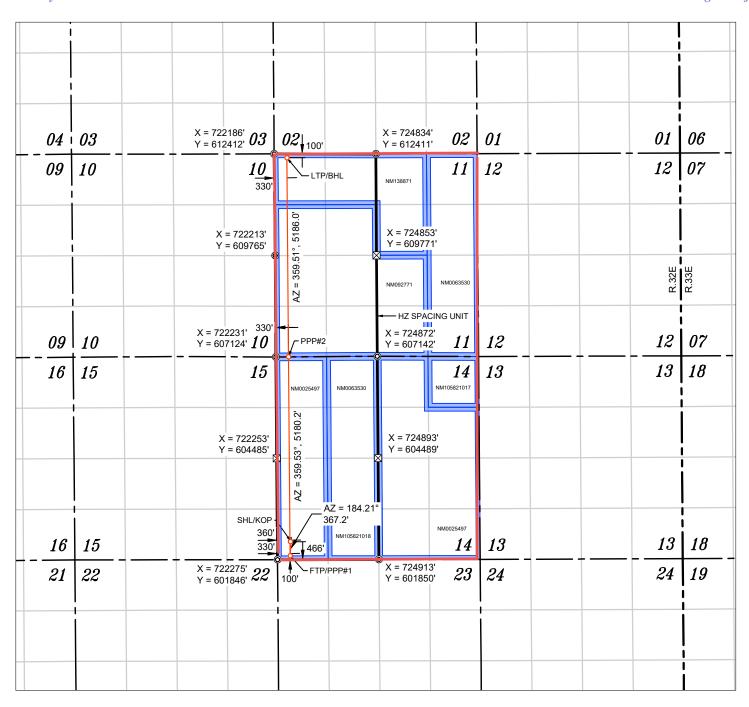
APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP							
NM0025497 5180.18'							
NM092771	3963.06'						
NM138871	1222.94'						
TOTAL 10366.18'							

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

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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 Nev Energy, Minerals & Natur OIL CONSERVA				Resources Depar	Revised July 9, 202		Revised July 9, 2024		
Via OC	D Permitting	;									☐ Amended Report	
							Type: As Drilled					
					WELL LOC	ATIO	TION INFORMATION					
API Nu	mber		Pool Code	4144	2	Pool	Name LUSI	K;BONE	SPRIN	G, EAST		
Property	y Code		Property Na	ime	GRAYI	LING	NG 14 FED COM  Well Number #601H					
OGRID	No. 330	396	Operator Na	perator Name AVANT O			DPERATING, LLC			Ground Level Elevation 3622'		
Surface	Owner:   S	State  Fee	Tribal 🛛 Fee	deral			Mineral Owner: ☐ St	ate 🗆 Fee	☐ Tribal 🛚	Federal	0022	
					Su	rface I	Location					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
М	14	19 S	32 E		466' FSL	-	360' FWL	32.654	421° -	103.744275°	LEA	
					Botto	om Ho	le Location					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
D	11	19 S	32 E		100' FNL	-	330' FWL	32.681	907°  -	103.744464°	LEA	
		V 611 D 6	. *** 11	l = ~ ·	*** 11 + 75*	- 1.						
	ed Acres	Infill or Defir	-	Defining	Well API	10	Overlapping Spacing U	Init (Y/N)	Consolida	tion Code		
	Numbers.	Infill P. 22615					No Wall gathagles are under Common Ownership, TVos VNo					
Order 1	vamoers.	R-23615					Well setbacks are under Common Ownership: □Yes 🖾 No					
		T	T _	1			oint (KOP)					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude 32.654		Longitude 103.744275°	County	
M	14	19 S	32 E		466' FSL		360' FWL	32.034	+21  -	103.744273	LEA	
UL	Section	Township	Range	Lot	Ft. from N/S		Point (FTP)  Ft. from E/W	Latitude	1	Longitude	County	
M	14	19 S	32 E	Lot	100' FSL		330' FWL			103.744369°	LEA	
				<u> </u>			Point (LTP)					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
D	11	19 S	32 E		100' FNL	-	330' FWL	32.681	907° -	103.744464°	LEA	
				1		I			I			
Unitize	d Area or Are	ea of Uniform I	nterest	Spacing 1	Unit Type 🛭 Ho	rizonta	al   Vertical	Groun	nd Floor Ele	evation: 3622'		
OPERATOR CERTIFICATIONS  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 he	JRVEYOR CERTIFI ereby certify that the well veys made by me or under my belief.	location shown		e same is true and			
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.  12/10/2024						M				DNAL SURVETOR		
Signature Date					Sig	gnature and Seal of Profe	essional Surve	yor				
Meghan Twele					232	203	OCTOBE		24			
Printed Name					Cer	rtificate Number	Date of Sur	vey				
mtwele@oulook.com Email Address					-							



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

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

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

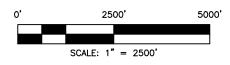
APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP				
NM0025497	5180.18'			
NM092771	3963.06'			
NM138871	1222.94'			
TOTAL	10366.18'			

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

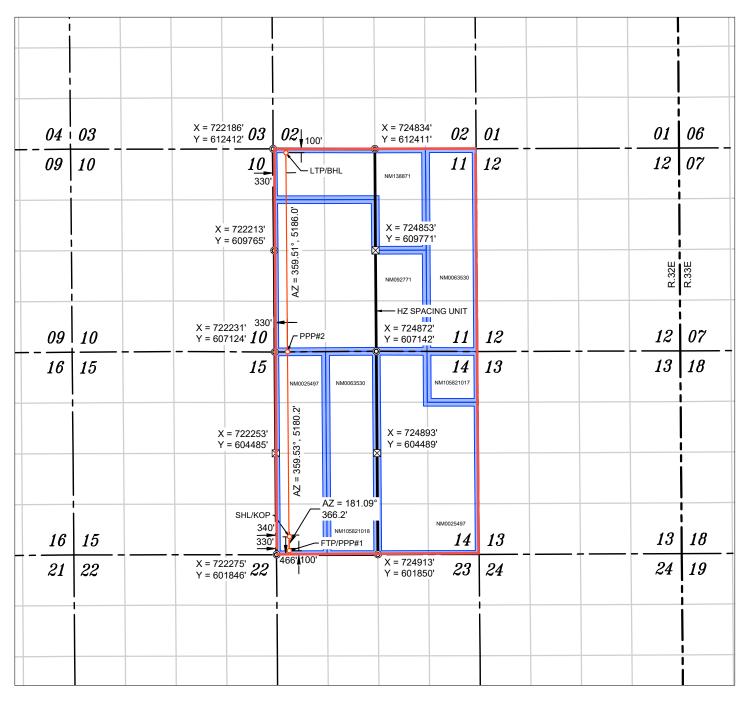
NAD 83 (LTP/BHL) 100' FNL & 330' FWL
LATITUDE = 32.681907°
LONGITUDE = -103.744464°
NAD 27 (LTP/BHL)
LATITUDE = 32.681786°
LONGITUDE = -103.743963°
STATE PLANE NAD 83 (N.M. EAST)
N: 612311.84' E: 722517.30'
STATE PLANE NAD 27 (N.M. EAST)
N: 612248.66' E: 681338.04'

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

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



<u>C-102</u>			State of Nev Energy, Minerals & Natur				ral Resources Department			Revised July 9, 2024		
Submit Electronically Via OCD Permitting			OIL CONSERVA				TION DIVISION				▼ Initial Submittal	
- In o ob 1 chiming									Submitta Type:	al ☐ Amended	l Report	
								J1	☐ As Drille	d		
					WELL LOC	CATIO	TION INFORMATION					
API Nu 30-0	ımber 025-541	12	Pool Code	41442	2	Pool	Pool Name  LUSK;BONE SPRING, EAST					
Propert	y Code 336580		Property Na	ime	GRAYI	LING	Well Number				er #501H	
OGRID		396	Operator Na	ame	AVANT OPERATING, LLC					Ground Level Elevation		
Surface		State $\square$ Fee $\square$	L Tribal ▼ Fe	deral			Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal					
					6		<b>.</b>					
UL	Section	Township	Range	Lot	Ft. from N/S		Location Ft. from E/W	Latitude		Longitude	County	
M	14	19 S	32 E	Lot	466' FSL		340' FWL	32.654	421°	-103.744340°	LEA	
							le Location					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
D	11	19 S	32 E	201	100' FNL		330' FWL	32.681	907°	-103.744464°	LEA	
Dedicat	ted Acres	Infill or Defin	ning Well	Defining	Well API		Overlapping Spacing U	Jnit (Y/N)	Consolid	ation Code		
1280	0.00	Infil	1				No					
Order 1	Numbers.	R-2361					Well setbacks are un	der Commo	n Ownersl	hip: □Yes XNo	ı	
					Viole	Off D	oint (KOP)					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
M	14	19 S	32 E	Lot	466' FSL		340' FWL	32.654	421°	-103.744340°	LEA	
	''	100					Point (FTP)					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
М	14	19 S	32 E		100' FSL	_	330' FWL	32.653	415°	-103.744369°	LEA	
					Last	Take I	rake Point (LTP)					
UL	Section	Township	Range	Lot	Ft. from N/S		Ft. from E/W	Latitude		Longitude	County	
D	11	19 S	32 E		100' FNL	_	330' FWL	32.681	907°	-103.744464°	LEA	
		1	1		1							
Unitized Area or Area of Uniform Interest Spacing Unit Type 🛭 Hori:				orizonta	al 🗆 Vertical	Grou	nd Floor E	levation: 3621'				
OPERATOR CERTIFICATIONS  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.  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				I he sur of n	SURVEYOR CERTIFICATIONS  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.  B. Tomber B. T							
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.  12/11/2024				-   -	Signature and Seal of Professional Surveyor				ONAL SURVETOR			
Signatur		M 1	Date						•	22.4		
Printed		Meghan Ty	veie			_+_	203	OCTOBE Date of Sur		1/4		
rimted		1. 6 4	1			Cer	anneate Number	Date of Sul	vey			
Email A		le@outloo	k.com			_						
Email Address												



WELL NAME: <u>GRAYLING 14 FED COM #501H</u> ELEVATION: <u>3621'</u>

NAD 83 (SHL/KOP) 466' FSL & 340' FWL
LATITUDE = 32.654421°
LONGITUDE = -103.744340°
NAD 27 (SHL/KOP)
LATITUDE = 32.654300°
LONGITUDE = -103.743840°
STATE PLANE NAD 83 (N.M. EAST)
N: 602312.20' E: 722611.10'
STATE PLANE NAD 27 (N.M. EAST)
N: 602249 27' E: 681431 56'

NAD 83 (PPP#2) 330' FWL

LATITUDE = 32.667532°

NAD 27 (PPP#2)

LATITUDE = 32.667653° LONGITUDE = -103.744415°

LONGITUDE = -103.743915°
STATE PLANE NAD 83 (N.M. EAST)

N: 607126.03' E: 722561.39' STATE PLANE NAD 27 (N.M. EAST) N: 607062.98' E: 681381.98'

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

111 001005111 21 00112 1157	_
NAD 83 (LTP/BHL) 100' FNL & 330' FWL	٦
LATITUDE = 32.681907°	٦
LONGITUDE = -103.744464°	
NAD 27 (LTP/BHL)	٦
LATITUDE = 32.681786°	
LONGITUDE = -103.743963°	
STATE PLANE NAD 83 (N.M. EAST)	٦
N: 612311.84' E: 722517.30'	٦
STATE PLANE NAD 27 (N.M. EAST)	П

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'		

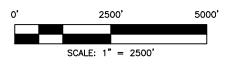
FOUND MONUMENT

CALC. CORNER

SHL/ KOP/ FTP / PPP/ LTP / BHL
HORIZONTAL SPACING UNIT
STATE OIL & GAS LEASE

BLM OIL & GAS LEASE

- 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.



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:	OGRID:
Avant Operating, LLC	330396
1515 Wynkoop Street	Action Number:
Denver, CO 80202	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