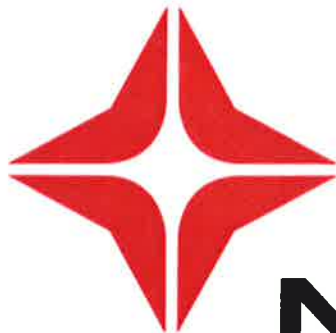


**BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING NOVEMBER 14, 2019**

CASE NOS. 20886 & 20887

*OVATION 131-132H WELL
OVATION 135H WELL
OVATION 211-212HH WELL
OVATION 215H WELL
OVATION 221-222H WELL
OVATION 225H WELL
OVATION 231-232H WELL
OVATION 235H WELL*

EDDY COUNTY, NEW MEXICO



NOVO

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF NOVO OIL & GAS
NORTHERN DELAWARE, LLC
FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NOS. 20886 & 20887

**AFFIDAVIT OF BRANDON PATRICK
IN SUPPORT OF CASE NOS. 20886 AND 20887**

Brandon Patrick, of lawful age and being first duly sworn, declares as follows:

1. My name is Brandon Patrick. I work for Novo Oil & Gas Northern Delaware, LLC (“Novo”) as a Landman.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum land matters. My credentials as a petroleum landman have been accepted by the Division and made a matter of record.

CASE NO. 20886

3. I am familiar with the application filed by Novo in this case, and I am familiar with the status of the lands in the subject area.
4. None of the uncommitted parties has indicated opposition to this pooling application, and therefore I do not expect any opposition at the hearing.
5. Novo is seeking an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal spacing unit comprised of the N/2 of Section 13, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico.
6. Novo seeks to dedicate the above horizontal spacing unit to the following proposed wells:

- The **Ovation Fed Com 13 #131H Well** (API No. pending) to be horizontally drilled from a surface location in the NE/4 NE/4 (Unit A of Section 14, T23S, R28E, to a bottom hole location in the NE/4 NE/4 (Unit A) of Section 13.
- The **Ovation Fed Com 13 #132H Well** (API No. pending) and the **Ovation Fed Com 13 #135H Well** (API No. pending), both of which will be horizontally drilled from a common surface location in the SE/4 NE/4 (Unit H) of Section 14, T23S, R28E, to bottom hole locations in the SE/4 NE/4 (Unit H) of Section 13.

7. Novo has prepared draft Form C-102s to file with the Division for these proposed wells that are attached hereto as **Novo Exhibit A-1**, **Novo Exhibit A-2**, and **Novo Exhibit A-3**.

8. It is Novo's understanding that the Division's district office has placed these wells in the Culebra Bluff; Bone Spring, South Pool (Pool Code 15011).

9. The completed interval for the **Ovation Fed Com 13 #132H Well** will remain within 330 feet of the N/2 N/2 of Section 13 to allow inclusion of these proximity tracts in a standard 320-acre horizontal well spacing comprised of the N/2 of Section 13. Incorporating the proximity tracts, the completed intervals for these proposed wells will comply with the Division's setback requirements.

10. There are no depth severances in the Bone Spring formation underlying this acreage.

11. **Novo Exhibit A-4** identifies the tracts of land comprising the proposed horizontal spacing unit that includes both fee and federal lands. This exhibit shows the interest owners that Novo seeks to pool and provides a unit recapitulation, showing the percentage of ownership

interests in the proposed spacing unit. Novo is seeking to pool both working interest owners and overriding royalty interest owners identified on Exhibit A-4.

12. There are no unleased interests in this acreage.

13. A copy of the well proposal letter for the wells, along with the corresponding AFEs, is attached as **Novo Exhibit A-5**. The costs reflected in the AFEs are consistent with what Novo and other operators have incurred for drilling similar horizontal wells in the area.

CASE NO. 20887

14. I am familiar with the application filed by Novo in this case, and I am familiar with the status of the lands in the subject area.

15. None of the uncommitted parties has indicated opposition to this pooling application, and therefore I do not expect any opposition at the hearing.

16. Novo is seeking an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal spacing unit comprised of the N/2 of Section 13, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico.

17. Novo seeks to dedicate the above horizontal spacing unit to the following proposed wells:

- The **Ovation Fed Com 13 #211H Well** (API No. pending), the **Ovation Fed Com 13 #212H Well** (API No. pending), the **Ovation Fed Com 13 #221H Well**, the **Ovation Fed Com 13 #231H Well**, and the **Ovation Fed Com 13 #232H Well**, each will be horizontally drilled from a common surface location in the NE/4 NE/4 (Unit A) of Section 14, T23S, R28E, to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 13.

- The **Ovation Fed Com 13 #215H Well**, the **Ovation Fed Com 13 #222H Well**, the **Ovation Fed Com 13 #225H Well**, and the **Ovation Fed Com 13 #235H Well** each will be horizontally drilled from a common surface location in the SE/4 NE/4 (Unit H) of Section 14, T23S, R28E, to bottom hole locations in the SE/4 NE/4 (Unit H) of Section 13.

18. Novo has prepared draft Form C-102s to file with the Division for these proposed wells that are attached hereto as **Novo Exhibit A-6**, **Novo Exhibit A-7**, and **Novo Exhibit A-8**.

19. It is Novo's understanding these wells are located in the Purple Sage; Wolfcamp (Gas) Pool (Pool Code 98220).

20. The completed intervals of these wells will comply with the setbacks of the Special Rules for the Purple Sage Wolfcamp Pool.

21. There are no depth severances in the Wolfcamp formation underlying this acreage.

22. **Novo Exhibit A-9** identifies the tracts of land comprising the proposed horizontal spacing unit that includes both fee and federal lands. This exhibit shows the interest owners that Novo seeks to pool and provides a unit recapitulation, showing the percentage of ownership interests in the proposed spacing unit. Novo is seeking to pool both working interest owners and overriding royalty interest owners identified on Exhibit A-9.

23. There are no unleased interests in this acreage.

24. A copy of the well proposal letter for the wells, along with the corresponding AFEs, is attached as **Novo Exhibit A-10**. The costs reflected in the AFEs are consistent with what Novo and other operators have incurred for drilling similar horizontal wells in the area.

25. Novo has been able to locate contact information for all of the parties it seeks to pool and has undertaken good faith efforts to reach an agreement with the uncommitted interest owners in **Case Nos. 20886 and 20887**.

26. In **Case Nos. 20886 and 20887**, Novo seeks approval of overhead and administrative costs at \$8,000/month while drilling and \$800/month while producing. These costs are consistent with what Novo and other operators are charging in this area for these types of wells. Novo respectfully requests that these administrative and overhead costs be incorporated into any order entered by the Division in this case.

27. For both **Case Nos. 20886 and 20887**, I provided the law firm of Holland & Hart LLP a list of names and addresses for the uncommitted interest owners. In compiling these addresses, Novo conducted a diligent search of all public records in the county where the proposed wells are located and of phone directories, including computer searches.

28. **Novo Exhibits A-1 through A-8** were either prepared by me or compiled under my direction and supervision.

FURTHER AFFIANT SAYETH NOT.



BRANDON PATRICK

STATE OF OKLAHOMA)
)
COUNTY OF OKLAHOMA)

SUBSCRIBED and SWORN to before me this 12th day of November 2019 by
Brandon Patrick.

Kiley Mixon
NOTARY PUBLIC

My Commission Expires:

11/15/20



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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name OVATION FED COM 13	
⁷ OGRID No. 372920	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC	
		⁶ Well Number 131H
		⁹ Elevation 2993.0

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	23 S	28 E		550	NORTH	345	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	13	23 S	29 E		726	NORTH	10	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.

The survey plat shows the well location and acreage dedication. It includes the following data:

- Surface Location:** 345' from the North line, 550' from the East line.
- Bottom Hole Location:** 726' from the North line, 10' from the East line.
- Grid Bnc.:** N89°56'41"E, Horiz. Dist. = 5196.16 FT.
- First Take Point:** 726' FNL, 100' FWL. LAT. = 32.3108646°N, LONG. = 104.0492115°W.
- Last Take Point:** 726' FNL, 100' FEL. LAT. = 32.3108395°N, LONG. = 104.0323960°W.
- Bottom of Hole:** LAT. = 32.3108390°N, LONG. = 104.0321047°W, NMSP EAST (FT) N = 478946.36, E = 634398.56.

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 11, 2019

Date of Survey _____

Signature and Seal of Professional Surveyor:

Certificate Number: _____

Intent As Drilled

API #		
Operator Name: NOVO OIL & GAS NORTHERN DELAWARE, LLC	Property Name: OVATION FED COM 13	Well Number 131H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL D	Section 13	Township 23S	Range 28E	Lot	Feet 726	From N/S NORTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.3108646					Longitude 104.0492115				NAD 83

Last Take Point (LTP)

UL A	Section 13	Township 23S	Range 28E	Lot	Feet 726	From N/S NORTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.3108395					Longitude 104.0323960				NAD 83

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name			⁶ Well Number
		Ovation Fed Com 13			132H
⁷ OGRID No.		⁸ Operator Name			⁹ Elevation
372920		NOVO OIL & GAS NORTHERN DELAWARE, LLC			2974.0

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	23 S	28 E		1525	NORTH	365	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	13	23 S	29 E		1518	NORTH	10	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.

<p>NW CORNER SEC. 14 (SCALE) LAT. = 32.3129659°N LONG. = 104.0687541°W NMSP EAST (FT) N = 477691.75 E = 623692.10</p> <p>SECTION CORNER LAT. = 32.3128602°N LONG. = 104.0495146°W NMSP EAST (FT) N = 477667.00 E = 629018.02</p> <p>N/4 CORNER SEC. 13 LAT. = 32.3129484°N LONG. = 104.0407816°W NMSP EAST (FT) N = 477669.94 E = 631715.93</p> <p>NE CORNER SEC. 13 LAT. = 32.3128341°N LONG. = 104.0320645°W NMSP EAST (FT) N = 477672.21 E = 634408.96</p> <p>SECTION CORNER LAT. = 32.3055657°N LONG. = 104.0495896°W NMSP EAST (FT) N = 475013.26 E = 629001.88</p> <p>E/4 CORNER SEC. 13 LAT. = 32.3055187°N LONG. = 104.0320934°W NMSP EAST (FT) N = 475010.92 E = 634407.49</p> <p>SW CORNER SEC. 14 (SCALE) LAT. = 32.2983770°N LONG. = 104.0688766°W NMSP EAST (FT) N = 472384.40 E = 623667.43</p> <p>S/4 CORNER SEC. 14 LAT. = 32.2982716°N LONG. = 104.0496657°W NMSP EAST (FT) N = 472359.69 E = 628905.39</p> <p>SECTION CORNER LAT. = 32.2982022°N LONG. = 104.0321339°W NMSP EAST (FT) N = 472349.24 E = 634402.47</p> <p>W/4 CORNER SEC. 14 SCALED N00°15'58"E 2654.29 FT</p> <p>SECTION CORNER SCALED S00°20'54"W 2654.38 FT</p> <p>QUARTER CORNER LAT. = 32.3055657°N LONG. = 104.0495896°W NMSP EAST (FT) N = 475013.26 E = 629001.88</p> <p>SECTION CORNER SCALED S00°21'21"W 2654.21 FT</p> <p>S/4 CORNER SEC. 13 SCALED N89°56'40"E 5200.53 FT</p> <p>SECTION CORNER SCALED S00°01'54"W 2661.88 FT</p> <p>SECTION CORNER SCALED S00°08'29"W 2662.27 FT</p> <p>SECTION CORNER SCALED N89°57'06"E 2693.63 FT</p> <p>NW CORNER SEC. 14 (SCALE) LAT. = 32.3129659°N LONG. = 104.0687541°W NMSP EAST (FT) N = 477691.75 E = 623692.10</p> <p>SECTION CORNER LAT. = 32.3128602°N LONG. = 104.0495146°W NMSP EAST (FT) N = 477667.00 E = 629018.02</p> <p>N/4 CORNER SEC. 13 LAT. = 32.3129484°N LONG. = 104.0407816°W NMSP EAST (FT) N = 477669.94 E = 631715.93</p> <p>NE CORNER SEC. 13 LAT. = 32.3128341°N LONG. = 104.0320645°W NMSP EAST (FT) N = 477672.21 E = 634408.96</p> <p>SECTION CORNER LAT. = 32.3055657°N LONG. = 104.0495896°W NMSP EAST (FT) N = 475013.26 E = 629001.88</p> <p>E/4 CORNER SEC. 13 LAT. = 32.3055187°N LONG. = 104.0320934°W NMSP EAST (FT) N = 475010.92 E = 634407.49</p> <p>SW CORNER SEC. 14 (SCALE) LAT. = 32.2983770°N LONG. = 104.0688766°W NMSP EAST (FT) N = 472384.40 E = 623667.43</p> <p>S/4 CORNER SEC. 14 LAT. = 32.2982716°N LONG. = 104.0496657°W NMSP EAST (FT) N = 472359.69 E = 628905.39</p> <p>SECTION CORNER LAT. = 32.2982022°N LONG. = 104.0321339°W NMSP EAST (FT) N = 472349.24 E = 634402.47</p> <p>W/4 CORNER SEC. 14 SCALED N00°15'58"E 2654.29 FT</p> <p>SECTION CORNER SCALED S00°20'54"W 2654.38 FT</p> <p>QUARTER CORNER LAT. = 32.3055657°N LONG. = 104.0495896°W NMSP EAST (FT) N = 475013.26 E = 629001.88</p> <p>SECTION CORNER SCALED S00°21'21"W 2654.21 FT</p> <p>S/4 CORNER SEC. 13 SCALED N89°56'40"E 5200.53 FT</p> <p>SECTION CORNER SCALED S00°01'54"W 2661.88 FT</p> <p>SECTION CORNER SCALED S00°08'29"W 2662.27 FT</p> <p>SECTION CORNER SCALED N89°57'06"E 2693.63 FT</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>NOVEMBER 11, 2019</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: </p> <p>Certificate Number: F1110000012797-LS 12797 SURVEY NO. 7765</p>
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BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A2
Submitted by: **Novo Oil & Gas Northern Delaware**
Hearing Date: November 14, 2019
Case # 20886 & 20887

Intent As Drilled

API #

Operator Name: NOVO OIL & GAS NORTHERN DELAWARE, LLC	Property Name: OVATION FED COM 13	Well Number 132H
--	--------------------------------------	---------------------

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
E	13	23S	28E		1518	NORTH	100	WEST	EDDY
Latitude 32.3086881					Longitude 104.0492339				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
H	13	23S	28E		1518	NORTH	100	EAST	EDDY
Latitude 32.3086629					Longitude 104.0324046				NAD 83

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number
----------------	----------------	-------------

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name OVATION FED COM 13	
⁷ OGRID No. 372920	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC	
		⁶ Well Number 135H
		⁹ Elevation 2974.0

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	23 S	28 E		1525	NORTH	345	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	13	23 S	29 E		2310	NORTH	10	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.

OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

SURVEYOR CERTIFICATION
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.

NOVEMBER 11, 2010

Date of Survey _____

Signature and Seal of Professional Surveyor _____

Certificate Number: **PLS 12797**

SURVEY NO. 7766

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. A3

Submitted by: **Novo Oil & Gas Northern Delaware**

Hearing Date: November 14, 2019

Case # 20886 & 20887

Intent As Drilled

API #		
Operator Name: NOVO OIL & GAS NORTHERN DELAWARE, LLC	Property Name: OVATION FED COM 13	Well Number 135H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL E	Section 13	Township 23S	Range 28E	Lot	Feet 2310	From N/S NORTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.3065115					Longitude 104.0492562				NAD 83

Last Take Point (LTP)

UL H	Section 13	Township 23S	Range 28E	Lot	Feet 2310	From N/S NORTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.3064863					Longitude 104.0324132				NAD 83

Is this well the defining well for the Horizontal Spacing Unit?

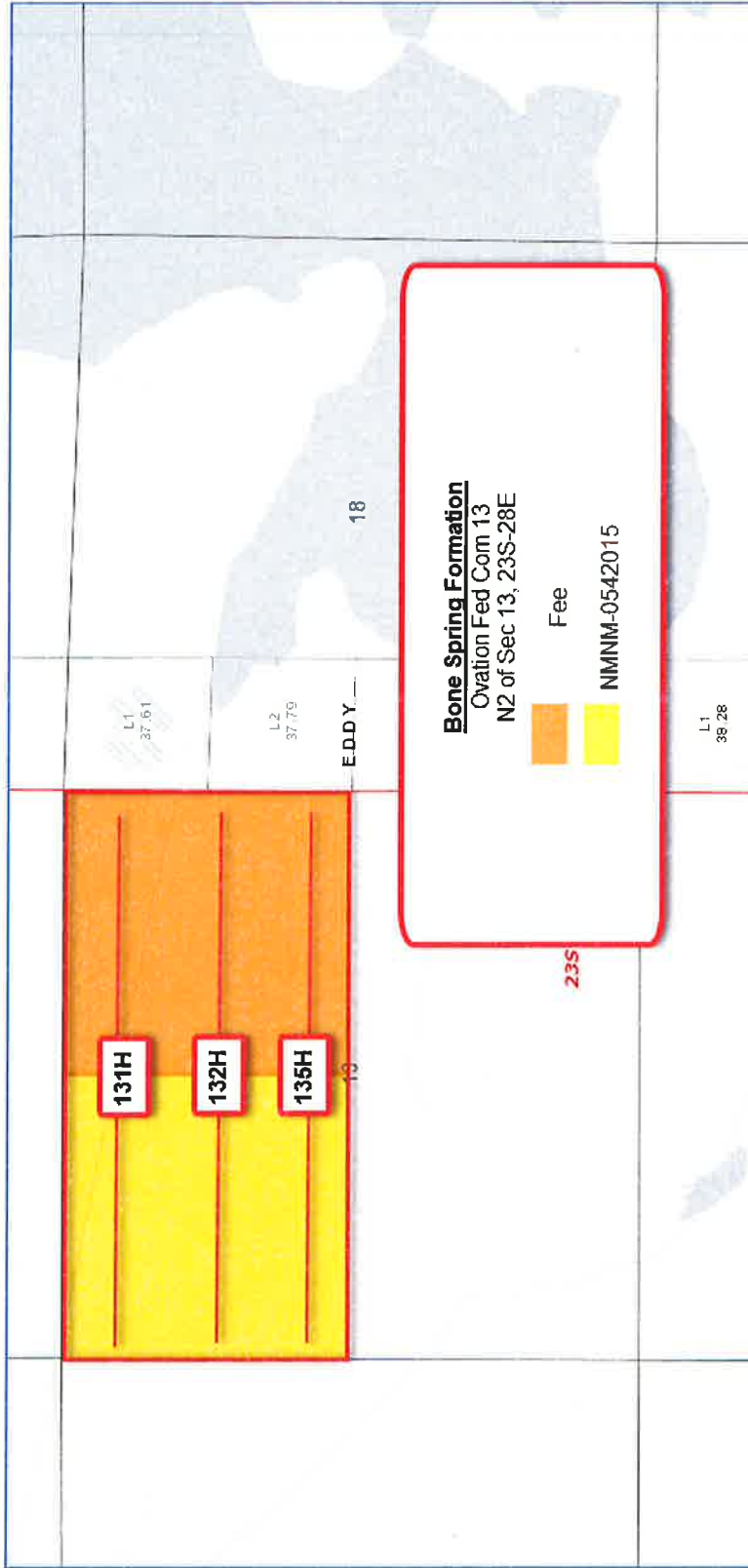
Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number



Ovation Fed Com 13 Wells – 131H, 132H, 135H – Bone Spring



<u>Pooled Parties</u>	
Mark L. Shidler	6.2500%
Westhall Oil & Gas, LLC	6.2500%
TLW Investments, LLC	0.3125%

Summary of Interest

Ovation Fed Com 13 131H, 132H, & 135H
N2 of Section 13, Township 23 South, Range 28 East
Bone Spring Formation
320.00-acre spacing
Non-Standard Well Location: Ovation Fed Com 13 132H

Committed Working Interest:

- Novo Oil & Gas Northern Delaware, LLC

87.18750%

87.18750%

Uncommitted Working Interest:

- Mark L. Schilder
- Westhall Oil & Gas, LLC
- TLW Investments, LLC *
 - Interest subleased to Stryker Energy, LLC

12.81250%

6.25000%

6.25000%

0.31250%

Unleased Mineral Interest:

None



*Note: On June 1, 2019, in an unrecorded Memorandum of Oil & Gas Sublease, TLW Investments, LLC granted a sublease to Stryker Energy, the NE4 NW4 of Section 13, 23S-28E, Eddy County, NM, in Federal Lease NNMN-0542015, dated May 1, 1964.

Ovation Fed Com 13 N2

Name	Street	City	State	Zip
Section 13 ORRI				
Don Paage Royalties	550 West Texas Ave, Suite 800	Midland	TX	79701
Robert H. Northington	15250 Prestonwood Blvd, 263	Dallas	TX	75248-4791
H. P. McLish	1520 W Canal Ct, Suite 250	Littleton	CO	80120
Chase Hicks	111 Stoney Creek Lane	Terrell	TX	75160-5140



Justin Carter
Landman
Novo Oil & Gas Northern Delaware, LLC
1001 W. Wilshire Blvd, Suite 206
Oklahoma City, Oklahoma 73118
Office: 405.286.3375
jcarter@novoog.com

August 30, 2019

SEE ATTACHED LIST OF WORKING INTEREST OWNERS

Re: Ovation Fed Com 13 Third Bone Spring Wells
N/2 of Section 13, Township 23 South, Range 28 East
Eddy County, New Mexico
320- acre spacing unit

Proposed Wells
Ovation Fed Com 13 131H
Ovation Fed Com 13 132H
Ovation Fed Com 13 135H

Ladies and Gentlemen:

Novo Oil & Gas Northern Delaware, LLC ("Novo") as Operator hereby propose the drilling of the following Ovation Fed Com 13 one-mile horizontal wells, located in N/2 of Section 13, Township 23 South, Range 28 East, Eddy County, New Mexico, to the Third Bone Spring formation. In connection with the above, Novo will be seeking a Non-Standard Spacing Unit covering N/2 of Section 13.

The estimated cost of drilling, testing, completing, and equipping of each Well is itemized on the enclosed Authority for Expenditures ("AFE") dated August 29, 2019.

Proposed Wells – Ovation Fed Com 13 131H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 726' FNL, 100' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 726' FNL, 100' FEL of Section 13, Township 23 South, Range 28 East
BHL: NE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,535' feet subsurface to evaluate the Third Bone Spring formation. The proposed well will have measured depth (MD) of approximately 14,535' feet.

Proposed Well - Ovation Fed Com 13 132H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 1,518' FNL, 100' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 1,518' FNL, 100' FEL of Section 13, Township 23 South, Range 28 East
BHL: SE/4NE/4 of Section 13, Township 23 South, Range 28 East

The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,545' feet subsurface to evaluate the Third Bone Spring formation. The proposed well will have measured depth (MD) of approximately 14,545' feet.

Proposed Well - Ovation Fed Com 13 135H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East

First take point: 2,310' FNL, 100' FWL of Section 13, Township 23 South, Range 28 East

Last take point: 2,310' FNL, 100' FEL of Section 13, Township 23 South, Range 28 East

BHL: SE/4NE/4 of Section 13, Township 23 South, Range 28 East

The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,550' feet subsurface to evaluate the Third Bone Spring formation. The proposed well will have measured depth (MD) of approximately 14,550' feet.

Regarding the above, enclosed for your handling is a copy of the AFEs. In the event you elect to participate in the proposed well, please execute the enclosed AFEs and return to the attention of the undersigned within thirty (30) days from receipt of this letter. Novo will provide a copy of its proposed Operating Agreement upon request. Should you have any questions regarding the above, please call me at (405) 286.3375 or if by email, my email address is jcarter@novoog.com.

Sincerely,

Novo Oil & Gas Northern Delaware, LLC


Justin Carter
Landman

_____ Not to participate in the **Ovation Fed Com 13 131H**.

_____ Participate in the **Ovation Fed Com 13 131H** for its Proportionate share of costs.

_____ Not to participate in the **Ovation Fed Com 13 132H**.

_____ Participate in the **Ovation Fed Com 13 132H** for its Proportionate share of costs.

_____ Not to participate in the **Ovation Fed Com 13 135H**.

_____ Participate in the **Ovation Fed Com 13 135H** for its Proportionate share of costs.

By: _____

Printed Name: _____

Title: _____

Date: _____

Contact Number: _____

Ovation Fed Com 13 Fed Com Wells
N2 of Section 13-23S-28E
Respondents/Working Interest Owners

Novo Oil & Gas Northern Delaware, LLC
1001 West Wilshire Blvd. Suite 206
Oklahoma City, OK 73116

Mark L. Shidler
1313 Campbell Rd, Bldg D
Houston, TX 77005

Westhall Oil & Gas, LLC
P.O. Box 4
Loco Hills, NM 88255

TLW Investments, LLC
1001 Fannin, Suite 2020
Houston, TX 77002



NOVO OIL & GAS NORTHERN DELAWARE, LLC

AUTHORIZATION FOR EXPENDITURE

1001 West Wilshire, Suite 200
Oklahoma City, Oklahoma 73110
405-286-4381

WELL NAME	Ovation Fed Com 13 131H	AFE TYPE	Development	AFE NUMBER	2015168
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	22
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Third Bone Spring	DEPTH (TVD/TMD)	9,535' / 14,535'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 NE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 5,080' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (\$00)	COMPLETION (\$00)	TOTAL (\$00)
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000		\$ 50,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	640,000		640,000
06	COMPLETION/WORKOVER RIG		60,000	60,000
07	COIL TUBING/SNUBBING UNIT		125,000	125,000
08	SLICKLINE/SWABBING			0
09	BITS	100,000	5,000	105,000
10	DIRECTIONAL SERVICES	264,000		264,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	160,000	175,000	335,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	22,000		22,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		190,000	190,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		45,000	45,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,750,000	1,750,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	120,000	85,000	205,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	400,000	450,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	14,000		14,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	20,000	5,000	25,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 2,790,000	\$ 3,152,000	\$ 5,942,000
TANGIBLE COSTS				
		DRILLING (\$00)	COMPLETION (\$00)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	168,000		168,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	360,000		360,000
06	SUBSURFACE EQUIPMENT	50,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	60,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	50,000	2,000	52,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		500,000	500,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 728,000	\$ 902,000	\$ 1,630,000
	TOTAL ESTIMATED WELL COST	\$ 3,518,000	\$ 4,054,000	\$ 7,572,000

PREPARED BY: Aaron Cattley Senior Operations Engineer DATE: 8/29/2019

OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019

OPERATOR APPROVAL: [Signature] CEO DATE: 8/29/2019

PARTNER COMPANY NAME: _____

PARTNER APPROVAL: _____ DATE: _____

TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1001 West Wilshire, Suite 300
 Oklahoma City, Oklahoma 73116
 405-286-4391

WELL NAME	Ovation Fed Com 13 132H	AFE TYPE	Development	AFE NUMBER	2015189
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	22
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Third Bone Spring	DEPTH (TVD/TMD)	9,545' / 14,545'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 SE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 5,080' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (300)	COMPLETION (500)	TOTAL
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000		\$ 50,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	840,000		840,000
06	COMPLETION/WORKOVER RIG		60,000	60,000
07	COIL TUBING/SNUBBING UNIT		125,000	125,000
08	SLICKLINE/SWABBING			0
09	BITS	100,000	5,000	105,000
10	DIRECTIONAL SERVICES	284,000		284,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	180,000	175,000	355,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	22,000		22,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		190,000	190,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		45,000	45,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,750,000	1,750,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	120,000	85,000	205,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	400,000	450,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	14,000		14,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	20,000	5,000	25,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 2,790,000	\$ 3,152,000	\$ 5,942,000
TANGIBLE COSTS				
		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	10,000		10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	168,000		168,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	360,000		360,000
06	SUBSURFACE EQUIPMENT	50,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	80,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	50,000	2,000	52,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		500,000	500,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 728,000	\$ 902,000	\$ 1,630,000
	TOTAL ESTIMATED WELL COST	\$ 3,518,000	\$ 4,054,000	\$ 7,572,000

PREPARED BY: Aaron Cattley Senior Operations Engineer DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] CFO DATE: 8/29/2019

PARTNER COMPANY NAME: _____
 PARTNER APPROVAL: _____ DATE: _____
 TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1001 West Wilshire, Suite 208
 Oklahoma City, Oklahoma 73116
 405-286-4391

WELL NAME	Ovation Fed Com 13 135H	AFE TYPE	Development	AFE NUMBER	2015170
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	22
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Third Bone Spring	DEPTH (TVD/TMD)	9,550' / 14,550'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 SE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 5,080' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (300)	COMPLETION (600)	TOTAL
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000		\$ 50,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	640,000		640,000
06	COMPLETION/WORKOVER RIG		60,000	60,000
07	COIL TUBING/SNUBBING UNIT		125,000	125,000
08	SLICKLINE/SWABBING			0
09	BITS	100,000	5,000	105,000
10	DIRECTIONAL SERVICES	264,000		264,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	160,000	175,000	335,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	22,000		22,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		190,000	190,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		45,000	45,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,750,000	1,750,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	120,000	85,000	205,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	400,000	450,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	14,000		14,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	20,000	5,000	25,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 2,790,000	\$ 3,152,000	\$ 5,942,000
TANGIBLE COSTS				
		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	168,000		168,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	360,000		360,000
06	SUBSURFACE EQUIPMENT	50,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	60,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	50,000	2,000	52,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		500,000	500,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 728,000	\$ 902,000	\$ 1,630,000
	TOTAL ESTIMATED WELL COST	\$ 3,518,000	\$ 4,054,000	\$ 7,572,000

PREPARED BY: Aaron Cattle Senior Operations Engineer DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] DATE: 8/29/2019

PARTNER COMPANY NAME: _____
 PARTNER APPROVAL: _____ DATE: _____
 TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name OVATION FED COM 13	
⁷ OGRID No. 372920	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC	
		⁶ Well Number 211H
		⁹ Elevation 2993.0

¹⁰ Surface Location

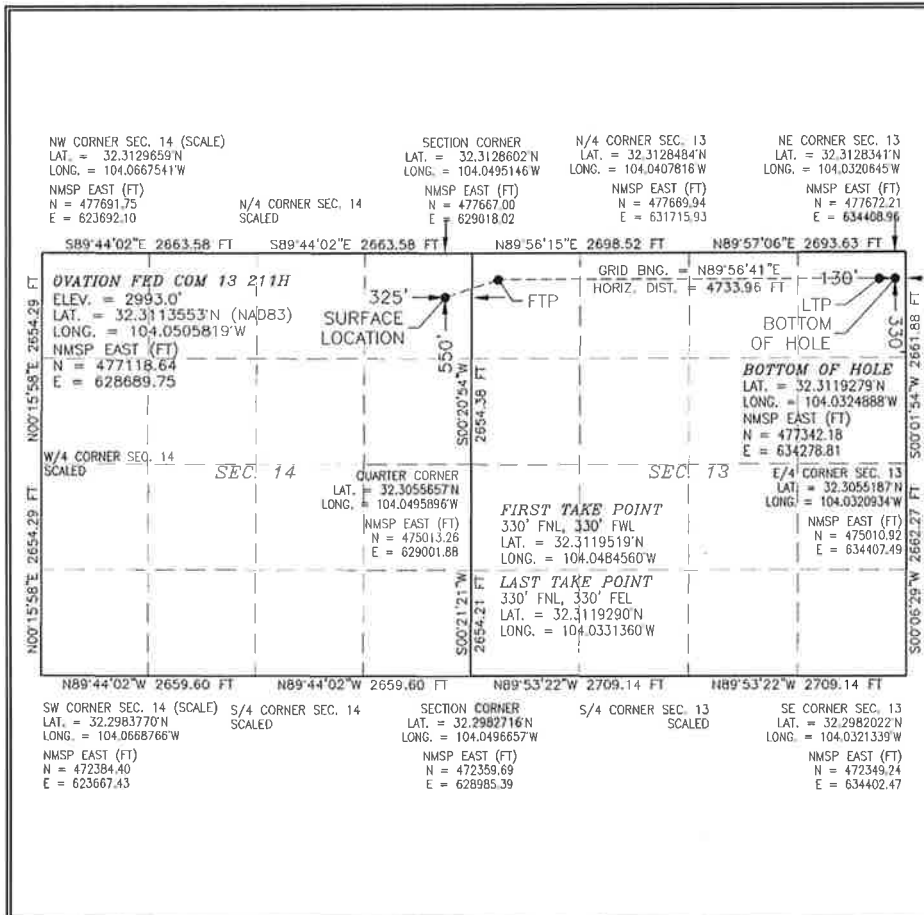
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	23 S	28 E		550	NORTH	325	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	13	23 S	29 E		330	NORTH	130	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 12, 2019

Date of Survey

Signature and Seal of Professional Surveyor: _____

Certificate Number: _____

Professional Surveyor License No. 7776

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. A6

Submitted by: **Novo Oil & Gas Northern Delaware**

Hearing Date: November 14, 2019

Case # 20886 & 20887

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name			⁶ Well Number
		OVATION FED COM 13			212H
⁷ OGRID No.		⁸ Operator Name			⁹ Elevation
372920		NOVO OIL & GAS NORTHERN DELAWARE, LLC			2993.0

¹⁰ Surface Location

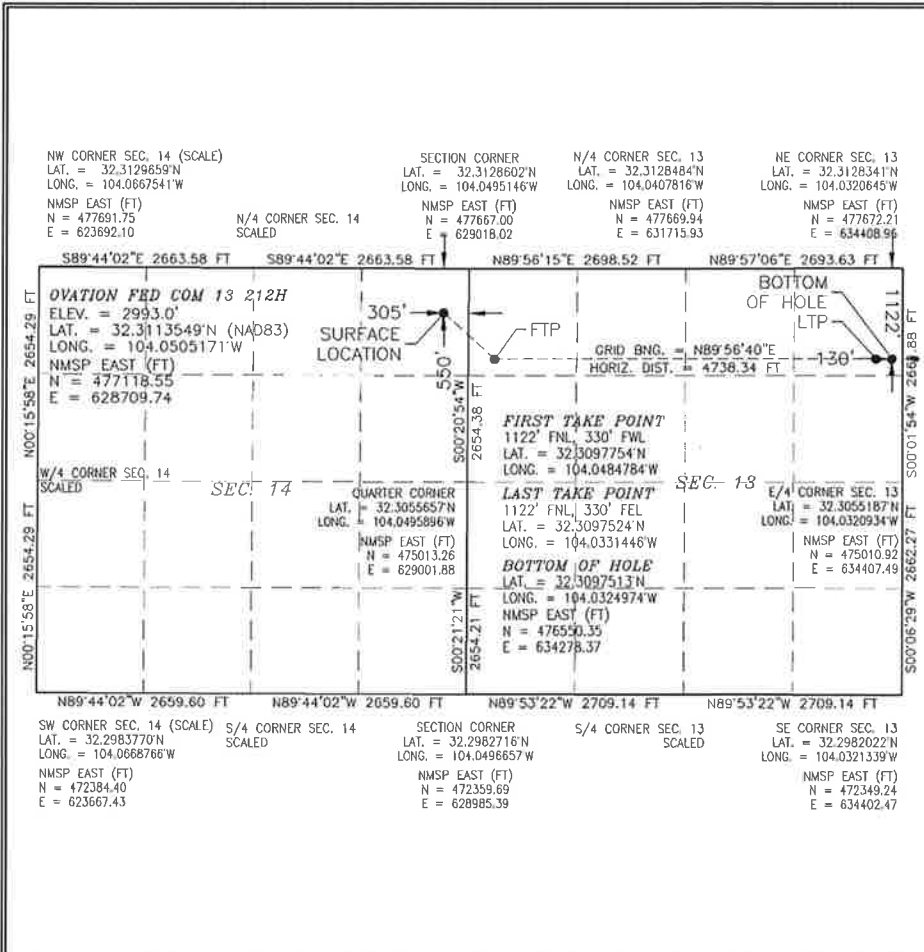
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	23 S	28 E		550	NORTH	305	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	13	23 S	28 E		1122	NORTH	130	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 12, 2019

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number: FILIMONT JARAMILLO, PLS 12797

SURVEY NO. 7777



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 Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-102
 Revised August 1, 2011
 Submit one copy to appropriate
 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name OVATION FED COM 13	
⁷ OGRID No. 372920	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC	
		⁶ Well Number 215H
		⁹ Elevation 2974.0

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	23 S	28 E		1525	NORTH	325	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	13	23 S	28 E		1914	NORTH	130	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.

OVATION FED COM 13 215H
 ELEV. = 2974.0'
 LAT. = 32.3086759°N (NAD83)
 LONG. = 104.0506094°W
 NMSP EAST (FT)
 N = 476143.87
 E = 628683.82

FIRST TAKE POINT
 1914' FNL, 330' FWL
 LAT. = 32.3075988°N
 LONG. = 104.0485007°W

BOTTOM OF HOLE
 LAT. = 32.3075747°N
 LONG. = 104.0325060°W
 NMSP EAST (FT)
 N = 475738.53
 E = 634277.93

LAST TAKE POINT
 1914' FNL, 330' FWL
 LAT. = 32.3075758°N
 LONG. = 104.0331532°W

BOTTOM OF HOLE
 LAT. = 32.3075747°N
 LONG. = 104.0325060°W
 NMSP EAST (FT)
 N = 475738.53
 E = 634277.93

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 12, 2019

Date of Survey _____

Signature and Seal of Professional Surveyor
 Certificate Number: **WILLIAM F. JARAMILA, PLS 12797**
 LICENSED PROFESSIONAL SURVEYOR - NO. 7778

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name		
⁴ Property Code		⁵ Property Name			⁶ Well Number	
		OVATION FED COM 13			221H	
⁷ OGRID No.		⁸ Operator Name			⁹ Elevation	
372920		NOVO OIL & GAS NORTHERN DELAWARE, LLC			2993.0	

¹⁰ Surface Location

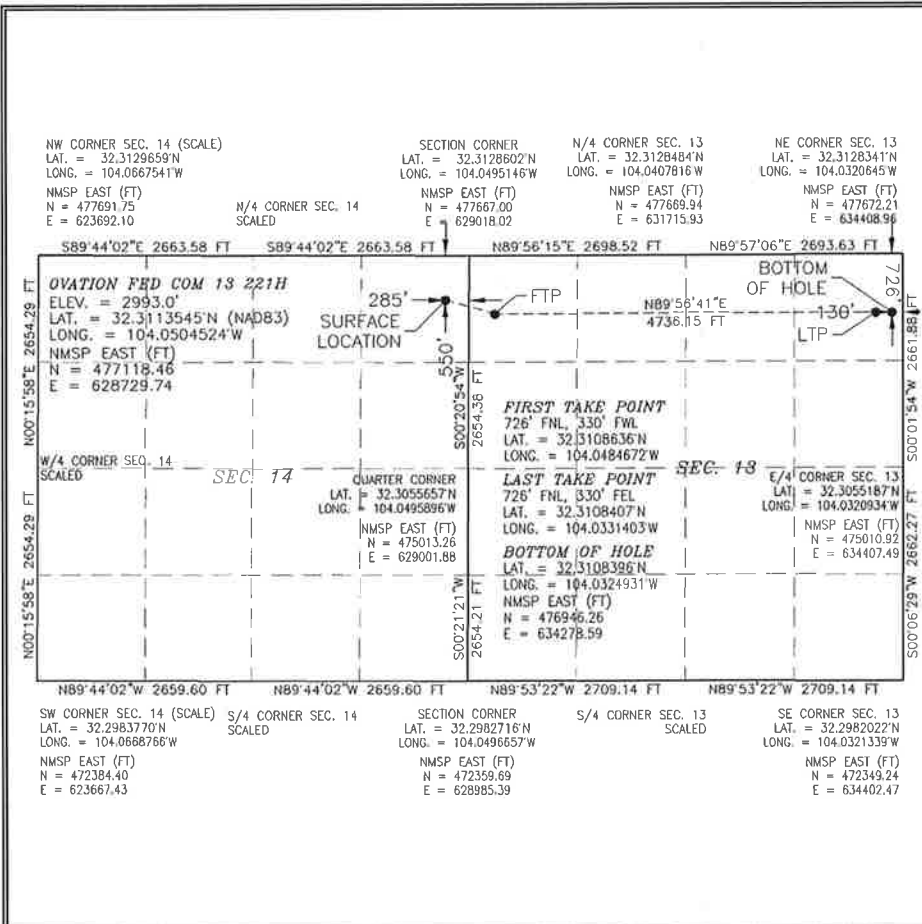
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	23 S	28 E		550	NORTH	285	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	13	23 S	28 E		726	NORTH	130	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 12, 2019

Date of Survey _____

Signature and Seal of Professional Surveyor _____

Certificate Number: 12799

PLS 12799

STATE OF NEW MEXICO

PROFESSIONAL SURVEYOR

STATE NO. 7779

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

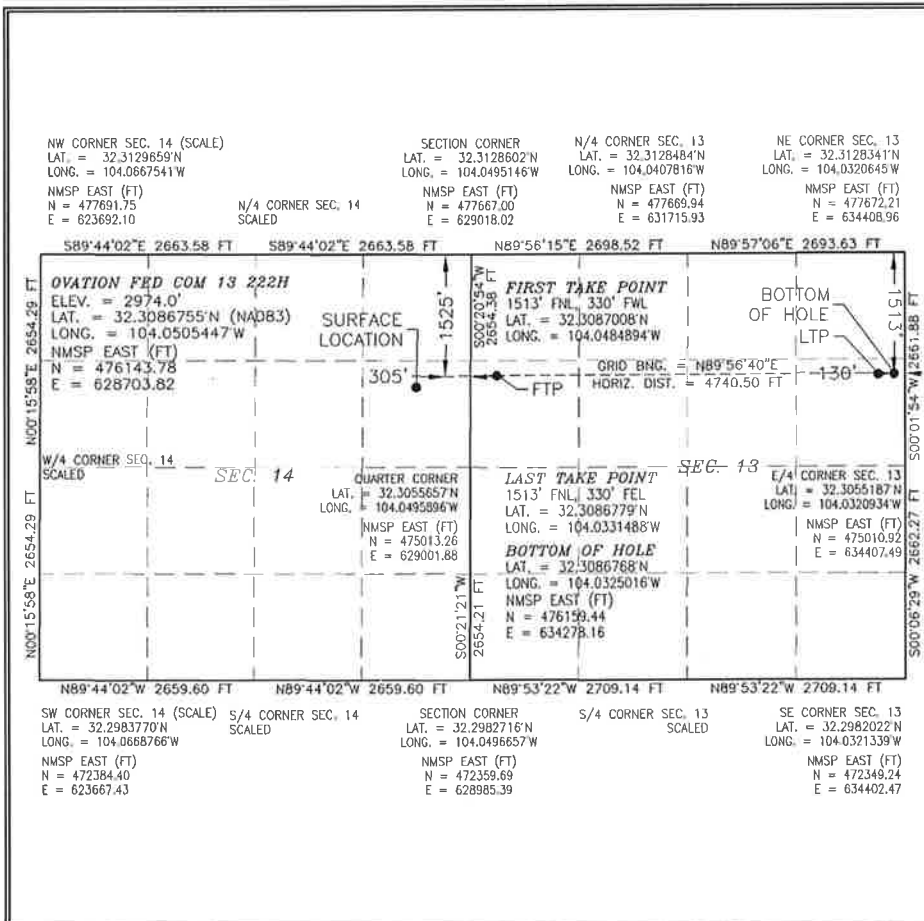
¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name OVATION FED COM 13	
⁷ OGRID No. 372920	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC	
		⁶ Well Number 222H
		⁹ Elevation 2974.0

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	23 S	28 E		1525	NORTH	305	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	13	23 S	28 E		1513	NORTH	130	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 12, 2019

Date of Survey _____

Signature and Seal of Professional Surveyor _____

Certificate Number: **PL 12797**
SURVEY NO. 7780

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
1090 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
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District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name OVATION FED COM 13	
⁷ OGRID No. 372920	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC	
		⁶ Well Number 225H
		⁹ Elevation 2974.0

¹⁰ Surface Location

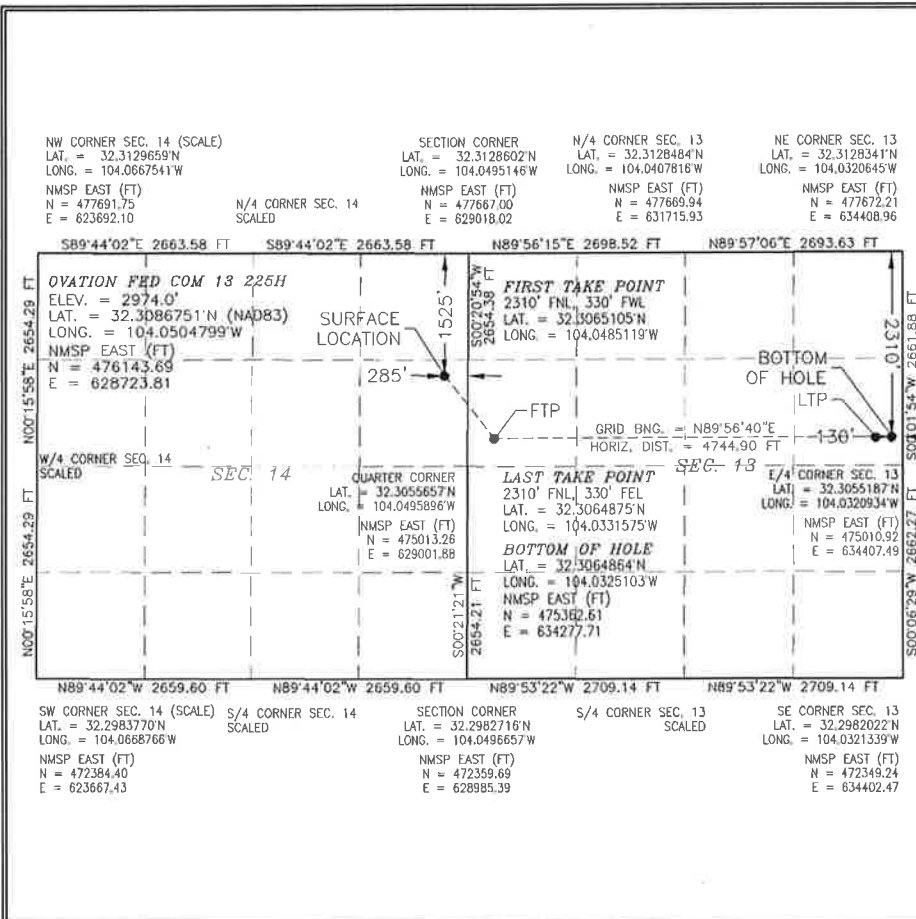
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	23 S	28 E		1525	NORTH	285	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	13	23 S	28 E		2310	NORTH	130	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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¹⁷ OPERATOR CERTIFICATION

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Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 12, 2019

Date of Survey _____

Signature and Seal of Professional Surveyor: _____
Certificate Number: **WILLIAM F. JARAMILA, PLS 12797**
PROFESSIONAL SURVEYOR NO. 7781

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name OVATION FED COM 13 231H	
⁷ OGRID No.	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: _____ Date: _____

Printed Name: _____

E-mail Address: _____

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Date of Survey: _____

Signature and Seal of Professional Surveyor: _____

Certificate Number: _____

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
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 1000 Rio Brazos Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-102
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 Submit one copy to appropriate
 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name OVATION FED COM 13	
⁷ OGRID No. 372920	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC	
		⁶ Well Number 232H
		⁹ Elevation 2993.0

¹⁰ Surface Location

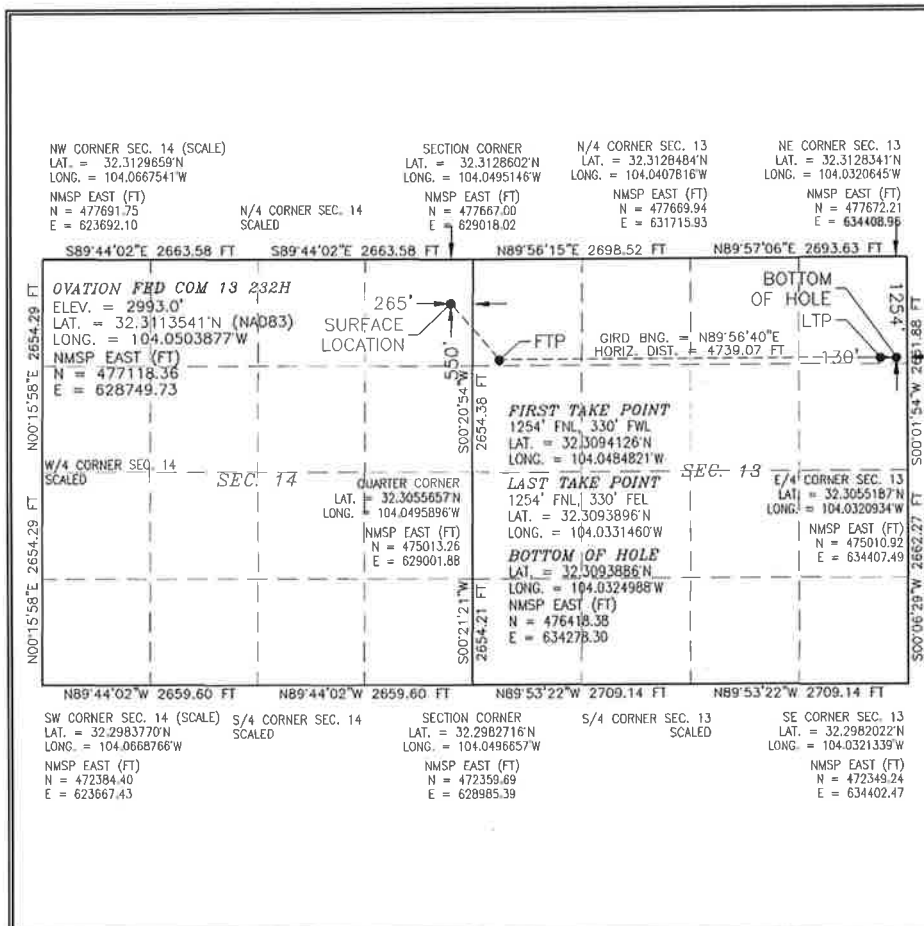
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	23 S	28 E		550	NORTH	265	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	13	23 S	28 E		1254	NORTH	130	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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¹⁷ OPERATOR CERTIFICATION

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Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 12, 2019

Date of Survey _____

Signature and Seal of Professional Surveyor _____

Certificate Number: FILMONT OFFSHORE, PLS 12797

SURVEY NO. 7782

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 Road, Aztec, NM 87410
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State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-102
 Revised August 1, 2011
 Submit one copy to appropriate
 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name OVATION FED COM 13	
⁷ OGRID No. 372920	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC	
		⁶ Well Number 235H
		⁹ Elevation 2974.0

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	23 S	28 E		1525	NORTH	265	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	13	23 S	28 E		2178	NORTH	130	EAST	EDDY
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code			¹⁵ Order No.				

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.

OVATION FED COM 13 235H
 ELEV. = 2974.0'
 LAT. = 32.3086747°N (NAD83)
 LONG. = 104.0504152°W
 NMSP EAST (FT)
 N = 476143.60
 E = 628743.81

FIRST TAKE POINT
 2178' FNL, 330' FWL
 LAT. = 32.3068732°N
 LONG. = 104.0485082°W

BOTTOM OF HOLE
 LAT. = 32.3068492°N
 LONG. = 104.0325088°W
 NMSP EAST (FT)
 N = 475494.58
 E = 634277.79

LAST TAKE POINT
 2178' FNL, 330' FWL
 LAT. = 32.3068503°N
 LONG. = 104.0331560°W

BOTTOM OF HOLE
 LAT. = 32.3068492°N
 LONG. = 104.0325088°W
 NMSP EAST (FT)
 N = 475494.58
 E = 634277.79

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

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.

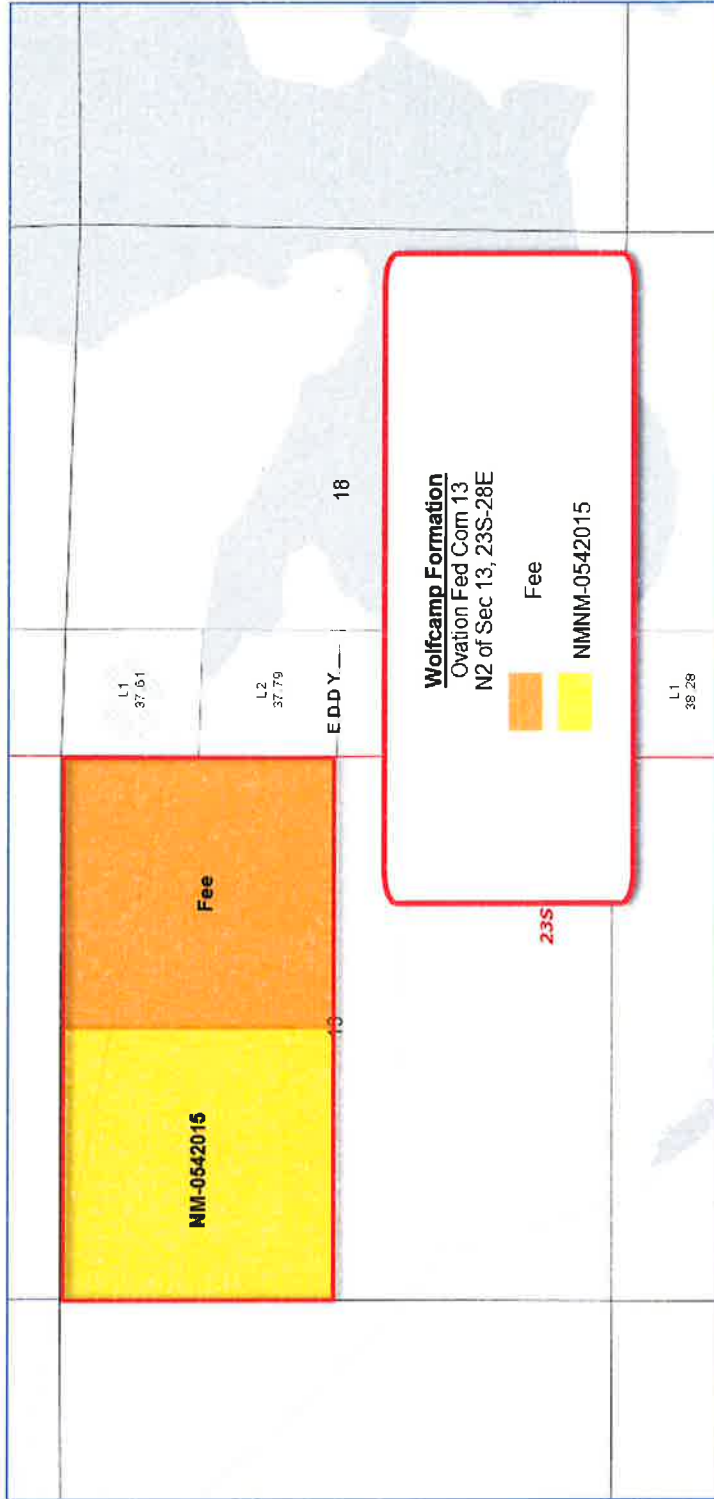
NOVEMBER 12, 2019

Date of Survey _____

Signature and Seal of Professional Surveyor: _____
 Certificate Number: **RAYMOND F. JARAMILA, GPS 12797**
REGISTERED PROFESSIONAL SURVEYOR NO. 7783



Ovation Fed Com 13 Wells - Wolfcamp



<u>Pooled Parties</u>	
Mark L. Shidler	6.2500%
Westhall Oil & Gas, LLC	6.2500%
TLW Investments, LLC	0.3125%

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A7

Submitted by: Novo Oil & Gas Northern Delaware
Hearing Date: November 14, 2019
Case # 20886 & 20887

Summary of Interest

Ovation Fed Com 13 Wells
N2 of Section 13, Township 23 South, Range 28 East
Wolfcamp Formation
320.00-acre spacing

Committed Working Interest:

- Novo Oil & Gas Northern Delaware, LLC

87.18750%

87.18750%

Uncommitted Working Interest:

- Mark L. Shilder
- Westhall Oil & Gas, LLC
- TLW Investments, LLC*
 - Interest subleased to Stryker Energy, LLC

12.81250%

6.25000%
6.25000%
0.31250%

Unleased Mineral Interest:

None



*Note: On June 1, 2019, in an unrecorded Memorandum of Oil & Gas Sublease, TLW Investments, LLC granted a sublease to Stryker Energy, LLC, covering the NE4 NW4 of Section 13, 23S-28E, Eddy County, NM, in Federal Lease NMNM-0542015, dated May 1, 1964.

Ovation Fed Com 13 N2

Name	Street	City	State	Zip
Section 13 ORRI				
Don Paage Royalties	550 West Texas Ave, Suite 800	Midland	TX	79701
Robert H. Northington	15250 Prestonwood Blvd, 263	Dallas	TX	75248-4791
H. P. McLish	1520 W Canal Ct, Suite 250	Littleton	CO	80120
Chase Hicks	111 Stoney Creek Lane	Terrell	TX	75160-5140



Justin Carter
Landman
Novo Oil & Gas Northern Delaware, LLC
1001 W. Wilshire Blvd, Suite 206
Oklahoma City, Oklahoma 73116
Office: 405.286.3375
jcarter@novoog.com

August 30, 2019

SEE ATTACHED LIST OF WORKING INTEREST OWNERS

Re: Amended Ovation Fed Com 13 Wolfcamp Working Interest Unit
N/2 of Section 13, Township 23 South, Range 28 East
Eddy County, New Mexico
320-acre Working Interest Unit

Proposed Wells

Ovation Fed Com 13 211H
Ovation Fed Com 13 212H
Ovation Fed Com 13 215H

Ovation Fed Com 13 221H
Ovation Fed Com 13 222H
Ovation Fed Com 13 225H

Ovation Fed Com 13 231H
Ovation Fed Com 13 232H
Ovation Fed Com 13 235H

Ladies and Gentlemen:

Novo Oil & Gas Northern Delaware, LLC ("Novo") as Operator hereby proposes the drilling of the following nine (9) horizontal Ovation Fed Com 13 wells, located in the N/2 of Section 13, Township 23 South, Range 28 East, Eddy County, New Mexico, to the Wolfcamp formation, as more particularly set forth below.

The estimated cost of drilling, testing, completing, and equipping of each Well is itemized on the enclosed Authority for Expenditures ("AFE") dated August 29, 2019.

Proposed Wells – Ovation Fed Com 13 211H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 330' FNL, 330' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 330' FNL, 330' FEL of Section 13, Township 23 South, Range 28 East
BHL: NE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to

an approximate true vertical depth (TVD) of 9,685' feet subsurface to evaluate the Wolfcamp XY formation. The proposed well will have measured depth (MD) of approximately 14,685' feet.

Proposed Well - Ovation Fed Com 13 212H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 1,122' FNL, 330' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 1,122' FNL, 330' FEL of Section 13, Township 23 South, Range 28 East
BHL: NE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,690' feet subsurface to evaluate the Wolfcamp XY formation. The proposed well will have measured depth (MD) of approximately 14,690' feet.

Proposed Well - Ovation Fed Com 13 215H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 1,914' FNL, 330' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 1,914' FNL, 330' FEL of Section 13, Township 23 South, Range 28 East
BHL: SE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,695' feet subsurface to evaluate the Wolfcamp XY formation. The proposed well will have measured depth (MD) of approximately 14,695' feet.

Proposed Well - Ovation Fed Com 13 221H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 726' FNL, 330' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 726' FNL, 330' FEL of Section 13, Township 23 South, Range 28 East
BHL: NE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,895' feet subsurface to evaluate the Wolfcamp A formation. The proposed well will have measured depth (MD) of approximately 14,895' feet.

Proposed Well - Ovation Fed Com 13 222H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 1,513' FNL, 330' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 1,513' FNL, 330' FEL of Section 13, Township 23 South, Range 28 East
BHL: SE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,905' feet subsurface to evaluate the Wolfcamp A formation. The proposed well will have measured depth (MD) of approximately 14,905' feet.

Proposed Well - Ovation Fed Com 13 225H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 2,310' FNL, 330' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 2,310' FNL, 330' FEL of Section 13, Township 23 South, Range 28 East
BHL: SE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,910' feet subsurface to evaluate the Wolfcamp A formation.

The proposed well will have measured depth (MD) of approximately 14,910' feet.

Proposed Well - Ovation Fed Com 13 231H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 330' FNL, 330' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 330' FNL, 330' FEL of Section 13, Township 23 South, Range 28 East
BHL: NE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,545' feet subsurface to evaluate the Wolfcamp B formation. The proposed well will have measured depth (MD) of approximately 15,545' feet.

Proposed Well - Ovation Fed Com 13 232H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 1,254' FNL, 330' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 1,254' FNL, 330' FEL of Section 13, Township 23 South, Range 28 East
BHL: NE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,555' feet subsurface to evaluate the Wolfcamp B formation. The proposed well will have measured depth (MD) of approximately 15,555' feet.

Proposed Well - Ovation Fed Com 13 235H

SHL: NE/4 of Section 14, Township 23 South, Range 28 East
First take point: 2,178' FNL, 330' FWL of Section 13, Township 23 South, Range 28 East
Last take point: 2,178' FNL, 330' FEL of Section 13, Township 23 South, Range 28 East
BHL: SE/4NE/4 of Section 13, Township 23 South, Range 28 East
The N/2 of Section 13 will be dedicated to the well as its 320-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,565' feet subsurface to evaluate the Wolfcamp B formation. The proposed well will have measured depth (MD) of approximately 15,565' feet.

Regarding the above, enclosed for your handling is a copy of the AFEs. In the event you elect to participate in the proposed well, please execute the enclosed AFEs and return to the attention of the undersigned within thirty (30) days from receipt of this letter. Novo will provide a copy of its proposed Operating Agreement upon request. Should you have any questions regarding the above, please call me at (405) 286.3375 or if by email, my email address is jcarter@novooog.com.

Sincerely,

Novo Oil & Gas Northern Delaware, LLC


Justin Carter
Landman

____ Not to participate in the **Ovation Fed Com 13 211H**.

____ Participate in the **Ovation Fed Com 13 211H** for its Proportionate share of costs.

____ Not to participate in the **Ovation Fed Com 13 212H**.

____ Participate in the **Ovation Fed Com 13 212H** for its Proportionate share of costs.

____ Not to participate in the **Ovation Fed Com 13 215H**.

____ Participate in the **Ovation Fed Com 13 215H** for its Proportionate share of costs.

____ Not to participate in the **Ovation Fed Com 13 221H**.

____ Participate in the **Ovation Fed Com 13 221H** for its Proportionate share of costs.

____ Not to participate in the **Ovation Fed Com 13 222H**.

____ Participate in the **Ovation Fed Com 13 222H** for its Proportionate share of costs.

____ Not to participate in the **Ovation Fed Com 13 225H**.

____ Participate in the **Ovation Fed Com 13 225H** for its Proportionate share of costs.

____ Not to participate in the **Ovation Fed Com 13 231H**.

____ Participate in the **Ovation Fed Com 13 231H** for its Proportionate share of costs.

____ Not to participate in the **Ovation Fed Com 13 232H**.

____ Participate in the **Ovation Fed Com 13 232H** for its Proportionate share of costs

____ Not to participate in the **Ovation Fed Com 13 235H**.

____ Participate in the **Ovation Fed Com 13 235H** for its Proportionate share of costs

By: _____

Printed Name: _____

Title: _____

Date: _____

Contact Number: _____

Ovation Fed Com 13 Fed Com Wells
N2 of Section 13-23S-28E
Respondents/Working Interest Owners

Novo Oil & Gas Northern Delaware, LLC
1001 West Wilshire Blvd. Suite 206
Oklahoma City, OK 73116

Mark L. Shidler
1313 Campbell Rd, Bldg D
Houston, TX 77005

Westhall Oil & Gas, LLC
P.O. Box 4
Loco Hills, NM 88255

TLW Investments, LLC
1001 Fannin, Suite 2020
Houston, TX 77002



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1501 West Yorkshire, Suite 206
 Oklahoma City, Oklahoma 73118
 405-286-4391

WELL NAME	Ovation Fed Com 13 211H	AFE TYPE	Development	AFE NUMBER	2016171
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	25
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Wolfcamp XY	DEPTH (TVD/TMD)	9,685' / 14,685'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 NE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 4,620' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (300)	COMPLETION (600)	TOTAL
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000		\$ 50,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	80,000		80,000
05	DRILLING - DAYWORK	810,000		810,000
06	COMPLETION/WORKOVER RIG		60,000	60,000
07	COIL TUBING/SNUBBING UNIT		120,000	120,000
08	SLICKLINE/SWABBING			0
09	BITS	150,000	5,000	155,000
10	DIRECTIONAL SERVICES	264,000		264,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	192,000	175,000	367,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	24,000		24,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		180,000	180,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		42,000	42,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,610,000	1,610,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	110,000	80,000	190,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	300,000	350,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	13,000		13,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	10,000	5,000	15,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 3,023,000	\$ 2,889,000	\$ 5,912,000
TANGIBLE COSTS				
		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	330,000		330,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	380,000		380,000
06	SUBSURFACE EQUIPMENT	60,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	60,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	40,000	2,000	42,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		500,000	500,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 900,000	\$ 982,000	\$ 1,882,000
	TOTAL ESTIMATED WELL COST	\$ 3,923,000	\$ 3,791,000	\$ 7,714,000

PREPARED BY: Aaron Cattiey Senior Operations Engineer DATE: 8/29/2019

OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019

OPERATOR APPROVAL: [Signature] DATE: 8/29/2019

PARTNER COMPANY NAME: _____ DATE: _____

PARTNER APPROVAL: _____ DATE: _____

TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1021 West Wilshire, Suite 206
 Oklahoma City, Oklahoma 73118
 405-288-4381

WELL NAME	Ovation Fed Com 13 212H	APB TYPE	Development	AFE NUMBER	2D15172
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	25
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Wolfcamp XY	DEPTH (TVD/TMO)	9,650' / 14,690'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 NE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 4,620' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (300)	COMPLETION (600)	TOTAL
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000		\$ 50,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	810,000		810,000
06	COMPLETION/WORKOVER RIG		80,000	80,000
07	COIL TUBING/SNUBBING UNIT		120,000	120,000
08	SLICKLINE/SWABBING			0
09	BITS	150,000	5,000	155,000
10	DIRECTIONAL SERVICES	284,000		284,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	192,000	175,000	367,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	24,000		24,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		180,000	180,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		42,000	42,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,610,000	1,610,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	110,000	80,000	190,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	300,000	350,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	13,000		13,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	10,000	5,000	15,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 3,023,000	\$ 2,889,000	\$ 5,912,000
TANGIBLE COSTS				
		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	330,000		330,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	380,000		380,000
06	SUBSURFACE EQUIPMENT	60,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	80,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	40,000	2,000	42,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		500,000	500,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 900,000	\$ 902,000	\$ 1,802,000
	TOTAL ESTIMATED WELL COST	\$ 3,923,000	\$ 3,791,000	\$ 7,714,000

PREPARED BY: Aaron Cathey  Senior Operations Engineer DATE: 8/20/2019

OPERATOR APPROVAL: _____ VP - Operations DATE: 8/21/2019

OPERATOR APPROVAL: _____ CFO DATE: 8/21/2019

PARTNER COMPANY NAME: _____

PARTNER APPROVAL: _____ DATE: _____

TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1001 West Wilshire, Suite 206
 Oklahoma City, Oklahoma 73116
 405-266-4391

WELL NAME	Ovation Fed Com 13 215H	AFE TYPE	Development	AFE NUMBER	2016173
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	25
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Wolfcamp XY	DEPTH (TVD/TMD)	9,895' / 14,895'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 SE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 4,620' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (\$00)	COMPLETION (\$00)	TOTAL (\$00)
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 60,000		\$ 60,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	160,000		160,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	810,000		810,000
06	COMPLETION/WORKOVER RIG		60,000	60,000
07	COIL TUBING/SNUBBING UNIT		120,000	120,000
08	SLICKLINE/SWABBING			0
09	BITS	150,000	5,000	155,000
10	DIRECTIONAL SERVICES	264,000		264,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	80,000	80,000	130,000
13	FUEL & POWER	192,000	175,000	367,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	24,000		24,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		180,000	180,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		42,000	42,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,610,000	1,610,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	110,000	80,000	190,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	80,000	300,000	350,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	13,000		13,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	10,000	5,000	15,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
48	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 3,023,000	\$ 2,889,000	\$ 5,912,000
TANGIBLE COSTS				
		DRILLING (\$00)	COMPLETION (\$00)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	330,000		330,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	380,000		380,000
06	SUBSURFACE EQUIPMENT	50,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	60,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	40,000	2,000	42,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		500,000	500,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 900,000	\$ 902,000	\$ 1,802,000
	TOTAL ESTIMATED WELL COST	\$ 3,923,000	\$ 3,791,000	\$ 7,714,000

PREPARED BY: Aaron Caltley Senior Operations Engineer DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] CFO DATE: 8/29/2019

PARTNER COMPANY NAME: _____
 PARTNER APPROVAL: _____ DATE: _____
 TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE

1001 West Wilshire, Suite 200
 Oklahoma City, Oklahoma 73116
 405-286-4391

WELL NAME	Ovation Fed Com 13 221H	AFE TYPE	Development	AFE NUMBER	2015174
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	25
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Wolfcamp A	DEPTH (TVD/TMD)	9,895' / 14,895'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 NE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 4,620' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (300)	COMPLETION (600)	TOTAL
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 60,000		\$ 60,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	810,000		810,000
06	COMPLETION/WORKOVER RIG		80,000	80,000
07	COIL TUBING/SNUBBING UNIT		120,000	120,000
08	SLICKLINE/SWABBING			0
09	BITS	150,000	5,000	155,000
10	DIRECTIONAL SERVICES	264,000		264,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	192,000	176,000	368,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	24,000		24,000
16	DISPOSAL RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		180,000	180,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		42,000	42,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,810,000	1,810,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	110,000	80,000	190,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	300,000	350,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	13,000		13,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	10,000	5,000	15,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 3,023,000	\$ 2,889,000	\$ 5,912,000
TANGIBLE COSTS				
		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	330,000		330,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	380,000		380,000
06	SUBSURFACE EQUIPMENT	50,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	60,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	40,000	2,000	42,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		500,000	500,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 900,000	\$ 902,000	\$ 1,802,000
	TOTAL ESTIMATED WELL COST	\$ 3,923,000	\$ 3,791,000	\$ 7,714,000

PREPARED BY: Aaron Cattley Senior Operations Engineer DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] DATE: 8/29/2019

PARTNER COMPANY NAME: _____ DATE: _____
 PARTNER APPROVAL: _____ DATE: _____
 TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1001 West Wilshire, Suite 206
 Oklahoma City, Oklahoma 73110
 405-266-4391

WELL NAME	Ovation Fed Com 13 222H	AFE TYPE	Development	AFE NUMBER	2016175
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	25
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Wolfcamp A	DEPTH (TVD/TMD)	0,905' / 14,905'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 SE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 4,620' horizontal well				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (300)	COMPLETION (500)	TOTAL
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000		\$ 50,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	810,000		810,000
06	COMPLETION/WORKOVER RIG		80,000	80,000
07	COIL TUBING/SNUBBING UNIT		120,000	120,000
08	SUCKLINE/SWABBING			0
09	BITS	150,000	5,000	155,000
10	DIRECTIONAL SERVICES	264,000		264,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	192,000	176,000	368,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	24,000		24,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		180,000	180,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		42,000	42,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,810,000	1,810,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	110,000	80,000	190,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	300,000	350,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
35	FISHING TOOLS & SERVICES			0
36	INSPECTIONS	10,000	5,000	15,000
37	WIRELINE SERVICES			0
38	ENGINEERING & GEOLOGY - FIELD			0
39	ENGINEERING & GEOLOGY - OFFICE	13,000		13,000
40	MULTISHOT & GYRO			0
41	RE-ENTRY SERVICES			0
42	CAMPS & TRAILERS	15,000	15,000	30,000
43	SAFETY EQUIPMENT & H2S	10,000	5,000	15,000
44	CONTINGENCY			0
45	INSURANCE	10,000	2,000	12,000
46	MISCELLANEOUS	10,000	10,000	20,000
47	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 3,023,000	\$ 2,889,000	\$ 5,912,000
TANGIBLE COSTS				
		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	330,000		330,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	380,000		380,000
06	SUBSURFACE EQUIPMENT	50,000	26,000	76,000
07	PRODUCTION TUBING		85,000	85,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	80,000	10,000	90,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
14	RODS			0
15	TRUCKING	40,000	2,000	42,000
16	RE-ENTRY EQUIPMENT			0
17	PRODUCTION EQUIPMENT		500,000	500,000
18	MISCELLANEOUS	10,000	10,000	20,000
19	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 900,000	\$ 902,000	\$ 1,802,000
	TOTAL ESTIMATED WELL COST	\$ 3,923,000	\$ 3,791,000	\$ 7,714,000

PREPARED BY: Aaron Cattley *[Signature]* Resident Operations Engineer DATE: 8/29/2019

OPERATOR APPROVAL: *[Signature]* VP - Operations DATE: 8/29/2019

OPERATOR APPROVAL: *[Signature]* CEO DATE: 8/29/2019

PARTNER COMPANY NAME: _____

PARTNER APPROVAL: _____ DATE: _____

TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1001 West Wilshire, Suite 208
 Oklahoma City, Oklahoma 73118
 405-286-4391

WELL NAME	Ovation Fed Com 13 225H	AFE TYPE	Development	AFE NUMBER	2015176
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	25
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Wolfcamp A	DEPTH (TVD/TMD)	9,910' / 14,910'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 SE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 4,620' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (300)	COMPLETION (600)	TOTAL
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000	\$	50,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	810,000		810,000
06	COMPLETION/WORKOVER RIG		80,000	80,000
07	COIL TUBING/SNUBBING UNIT		120,000	120,000
08	SLICKLINE/SWABBING			0
09	BITS	150,000	5,000	155,000
10	DIRECTIONAL SERVICES	284,000		284,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	182,000	176,000	358,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	24,000		24,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		180,000	180,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		42,000	42,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,610,000	1,610,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	110,000	80,000	190,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	300,000	350,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	13,000		13,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	10,000	5,000	15,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 3,023,000	\$ 2,889,000	\$ 5,912,000
TANGIBLE COSTS				
		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000	\$	10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	330,000		330,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	380,000		380,000
06	SUBSURFACE EQUIPMENT	50,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	60,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	40,000	2,000	42,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		600,000	600,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 900,000	\$ 902,000	\$ 1,802,000
	TOTAL ESTIMATED WELL COST	\$ 3,923,000	\$ 3,791,000	\$ 7,714,000

PREPARED BY: Aaron Cattley Senior Operations Engineer DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] DATE: 8/29/2019

PARTNER COMPANY NAME: _____
 PARTNER APPROVAL: _____ DATE: _____
 TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1001 West Wilshire, Suite 208
 Oklahoma City, Oklahoma 73118
 405-268 4381

WELL NAME	Ovation Fed Com 13 231H	AFE TYPE	Development	AFE NUMBER	2015177
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	25
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Wolfcamp B	DEPTH (TVD/TMD)	10,545' / 15,545'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 NE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 4,620' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (300)	COMPLETION (500)	TOTAL
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000		\$ 60,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	810,000		810,000
06	COMPLETION/WORKOVER RIG		80,000	80,000
07	COIL TUBING/SNUBBING UNIT		120,000	120,000
08	SLICKLINE/SWABBING			0
09	BITS	150,000	5,000	155,000
10	DIRECTIONAL SERVICES	264,000		264,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	182,000	175,000	357,000
14	DIESEL - BASE FOR MUD	100,000		100,000
15	MUD LOGGING & GEOLOGIST	24,000		24,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	180,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		180,000	180,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		42,000	42,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,810,000	1,810,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	110,000	80,000	190,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	300,000	350,000
31	FLUIDS & CHEMICALS	200,000		200,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	10,000	10,000	20,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	13,000		13,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	10,000	5,000	15,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 3,023,000	\$ 2,889,000	\$ 5,912,000
TANGIBLE COSTS				
		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	330,000		330,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	380,000		380,000
06	SUBSURFACE EQUIPMENT	50,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	60,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	40,000	2,000	42,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		500,000	500,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 900,000	\$ 902,000	\$ 1,802,000
	TOTAL ESTIMATED WELL COST	\$ 3,923,000	\$ 3,791,000	\$ 7,714,000

PREPARED BY: Aaron Cathey Senior Operations Engineer DATE: 8/29/2019

OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019

OPERATOR APPROVAL: [Signature] CEO - NOVO DATE: 8/29/2019

PARTNER COMPANY NAME: _____

PARTNER APPROVAL: _____ DATE: _____

TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1801 West Wilshire, Suite 200
 Oklahoma City, Oklahoma 73118
 405-286-4391

WELL NAME	Ovation Fed Com 13 232H	AFE TYPE	Development	AFE NUMBER	2015178
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	25
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Wolfcamp B	DEPTH (TVD/TMD)	10,655' / 15,555'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 NE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 4,620' horizontal well.				
ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE			
		DRILLING (300)	COMPLETION (600)	TOTAL	
	INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000		\$ 50,000	
02	LOCATION & ROAD	150,000		150,000	
03	RIG MOVE	150,000		150,000	
04	DRILLING - FOOTAGE	50,000		50,000	
05	DRILLING - DAYWORK	810,000		810,000	
06	COMPLETION/WORKOVER RIG		60,000	60,000	
07	COIL TUBING/SNUBBING UNIT		120,000	120,000	
08	SLICKLINE/SWABBING			0	
09	BITS	150,000	5,000	155,000	
10	DIRECTIONAL SERVICES	264,000		264,000	
11	CASING CREW	100,000		100,000	
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000	
13	FUEL & POWER	192,000	175,000	367,000	
14	DIESEL - BASE FOR MUD	100,000		100,000	
15	MUD LOGGING & GEOLOGIST	24,000		24,000	
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000	
17	TRUCKING	120,000	40,000	160,000	
18	TESTING			0	
19	CEMENTING	200,000		200,000	
20	PERFORATING		180,000	180,000	
21	CASED HOLE LOGS			0	
22	DOWNHOLE TOOLS & SERVICE		42,000	42,000	
23	OTHER STIMULATION			0	
24	FORMATION STIMULATION		1,610,000	1,610,000	
25	CONSULTING SERVICES		20,000	20,000	
26	SUPERVISION	110,000	80,000	190,000	
27	CONTRACT LABOR	5,000	20,000	25,000	
28	OTHER LABOR		100,000	100,000	
29	COMPANY CONSULTING/SUPV			0	
30	WATER	50,000	300,000	350,000	
31	FLUIDS & CHEMICALS	200,000		200,000	
32	CORING & ANALYSIS			0	
33	COMMUNICATIONS	10,000	10,000	20,000	
34	IROP TESTING	20,000	10,000	30,000	
36	FISHING TOOLS & SERVICES			0	
37	INSPECTIONS	10,000	5,000	15,000	
38	WIRELINE SERVICES			0	
39	ENGINEERING & GEOLOGY - FIELD			0	
40	ENGINEERING & GEOLOGY - OFFICE	13,000		13,000	
41	MULTISHOT & GYRO			0	
42	RE-ENTRY SERVICES			0	
43	CAMPS & TRAILERS	15,000	15,000	30,000	
44	SAFETY EQUIPMENT & H2S	10,000	5,000	15,000	
45	CONTINGENCY			0	
46	INSURANCE	10,000	2,000	12,000	
47	MISCELLANEOUS	10,000	10,000	20,000	
49	SIM-OPS			0	
	TOTAL INTANGIBLE COSTS	\$ 3,023,000	\$ 2,889,000	\$ 5,912,000	
ACCT. CODE	TANGIBLE COSTS	DRILLING (400)	COMPLETION (600)	TOTAL	
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000	
02	CASING - SURFACE	20,000		20,000	
03	CASING - INTERMEDIATE	330,000		330,000	
04	CASING - INTERMEDIATE 2			0	
05	CASING - PRODUCTION / LINER	380,000		380,000	
06	SUBSURFACE EQUIPMENT	50,000	25,000	75,000	
07	PRODUCTION TUBING		55,000	55,000	
08	SUBSURFACE PUMPING EQUIPMENT			0	
09	WELLHEAD EQUIPMENT	60,000	10,000	70,000	
10	FLOWLINES		100,000	100,000	
11	SURFACE PUMPING EQUIPMENT			0	
12	LINER HANGER & ASSOC EQUIP			0	
13	VALVES & FITTINGS		200,000	200,000	
15	RODS			0	
17	TRUCKING	40,000	2,000	42,000	
20	RE-ENTRY EQUIPMENT			0	
34	PRODUCTION EQUIPMENT		500,000	500,000	
47	MISCELLANEOUS	10,000	10,000	20,000	
49	TANGIBLE EQUIP-ACQUISITIONS			0	
	TOTAL INTANGIBLE COSTS	\$ 900,000	\$ 902,000	\$ 1,802,000	
	TOTAL ESTIMATED WELL COST	\$ 3,923,000	\$ 3,791,000	\$ 7,714,000	

PREPARED BY: Aaron Cattley Senior Operations Engineer DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019
 OPERATOR APPROVAL: [Signature] CEO DATE: 8/29/2019

PARTNER COMPANY NAME: _____
 PARTNER APPROVAL: _____ DATE: _____
 TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
 1001 West Wilshire, Suite 200
 Oklahoma City, Oklahoma 73118
 405-286-4391

WELL NAME	Ovation Fed Com 13 235H	AFE TYPE	Development	AFE NUMBER	2015178
LATERAL LOCATION	T23S, R28E, Sec 13 - T23S, R28E, Sec 13	FIELD	Northern Delaware	DRILLING DAYS	27
SURFACE LOCATION	T23S, R28E, Sec 14 NE/4	FORMATION	Wolfcamp B	DEPTH (TVD/TMD)	10,565' / 15,565'
BOTTOM-HOLE LOCATION	T23S, R28E, Sec 13 SE/4 NE/4	COUNTY	Eddy County	STATE	New Mexico
PROJECT DESCRIPTION	Drilling, completion, facilities and pipeline costs for 4,820' horizontal well.				

ACCT. CODE	DESCRIPTION OF EXPENDITURE	COST ESTIMATE		
		DRILLING (300)	COMPLETION (500)	TOTAL
INTANGIBLE COSTS				
01	SURVEY/PERMITS/DAMAGES/LEGAL	\$ 50,000		\$ 50,000
02	LOCATION & ROAD	150,000		150,000
03	RIG MOVE	150,000		150,000
04	DRILLING - FOOTAGE	50,000		50,000
05	DRILLING - DAYWORK	860,000		860,000
06	COMPLETION/WORKOVER RIG		60,000	60,000
07	COIL TUBING/SNUBBING UNIT		120,000	120,000
08	SLICKLINE/SWABBING			0
09	BITS	150,000	5,000	155,000
10	DIRECTIONAL SERVICES	288,000		288,000
11	CASING CREW	100,000		100,000
12	TOOL & EQUIPMENT RENTAL	50,000	80,000	130,000
13	FUEL & POWER	204,000	175,000	379,000
14	DIESEL - BASE FOR MUD	120,000		120,000
15	MUD LOGGING & GEOLOGIST	26,000		26,000
16	DISPOSAL, RESTORATION & BACKFILL	150,000		150,000
17	TRUCKING	120,000	40,000	160,000
18	TESTING			0
19	CEMENTING	200,000		200,000
20	PERFORATING		180,000	180,000
21	CASED HOLE LOGS			0
22	DOWNHOLE TOOLS & SERVICE		42,000	42,000
23	OTHER STIMULATION			0
24	FORMATION STIMULATION		1,610,000	1,610,000
25	CONSULTING SERVICES		20,000	20,000
26	SUPERVISION	120,000	80,000	200,000
27	CONTRACT LABOR	5,000	20,000	25,000
28	OTHER LABOR		100,000	100,000
29	COMPANY CONSULTING/SUPV			0
30	WATER	50,000	300,000	350,000
31	FLUIDS & CHEMICALS	210,000		210,000
32	CORING & ANALYSIS			0
33	COMMUNICATIONS	12,000	10,000	22,000
34	BOP TESTING	20,000	10,000	30,000
36	FISHING TOOLS & SERVICES			0
37	INSPECTIONS	10,000	5,000	15,000
38	WIRELINE SERVICES			0
39	ENGINEERING & GEOLOGY - FIELD			0
40	ENGINEERING & GEOLOGY - OFFICE	15,000		15,000
41	MULTISHOT & GYRO			0
42	RE-ENTRY SERVICES			0
43	CAMPS & TRAILERS	15,000	15,000	30,000
44	SAFETY EQUIPMENT & H2S	10,000	5,000	15,000
45	CONTINGENCY			0
46	INSURANCE	10,000	2,000	12,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	SIM-OPS			0
	TOTAL INTANGIBLE COSTS	\$ 3,155,000	\$ 2,889,000	\$ 6,044,000
TANGIBLE COSTS				
		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	\$ 10,000		\$ 10,000
02	CASING - SURFACE	20,000		20,000
03	CASING - INTERMEDIATE	330,000		330,000
04	CASING - INTERMEDIATE 2			0
05	CASING - PRODUCTION / LINER	400,000		400,000
06	SUBSURFACE EQUIPMENT	50,000	25,000	75,000
07	PRODUCTION TUBING		55,000	55,000
08	SUBSURFACE PUMPING EQUIPMENT			0
09	WELLHEAD EQUIPMENT	60,000	10,000	70,000
10	FLOWLINES		100,000	100,000
11	SURFACE PUMPING EQUIPMENT			0
12	LINER HANGER & ASSOC EQUIP			0
13	VALVES & FITTINGS		200,000	200,000
15	RODS			0
17	TRUCKING	40,000	2,000	42,000
20	RE-ENTRY EQUIPMENT			0
34	PRODUCTION EQUIPMENT		500,000	500,000
47	MISCELLANEOUS	10,000	10,000	20,000
49	TANGIBLE EQUIP-ACQUISITIONS			0
	TOTAL INTANGIBLE COSTS	\$ 920,000	\$ 902,000	\$ 1,822,000
	TOTAL ESTIMATED WELL COST	\$ 4,075,000	\$ 3,791,000	\$ 7,866,000

PREPARED BY: Aaron Cattley Senior Operations Engineer DATE: 8/29/2019

OPERATOR APPROVAL: [Signature] VP - Operations DATE: 8/29/2019

OPERATOR APPROVAL: [Signature] CFO DATE: 8/29/2019

PARTNER COMPANY NAME: _____

PARTNER APPROVAL: _____ DATE: _____

TITLE: _____

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF NOVO OIL & GAS
NORTHERN DELAWARE, LLC
FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.

CASE NOS. 20886 & 20887

AFFIDAVIT OF MICHAEL HALE
IN SUPPORT OF CASE NOS. 20886 AND 20887

Michael Hale, of lawful age and being first duly sworn, declares as follows:

1. My name is Michael Hale. I work for Novo Oil & Gas Northern Delaware, LLC (“Novo”) as Vice President of Geoscience and Exploration.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology. My credentials as a petroleum geologist have been accepted by the Division and made a matter of record.
3. I am familiar with the applications filed by Novo in **Case Nos. 20886 and 20887**, and I have conducted a geologic study of the lands in the subject areas.
4. **Novo Exhibit B-1** is a project locator map outlining the proposed spacing units in **Case Nos. 20886 and 20887** in relation to the surrounding acreage.
5. **Novo Exhibit B-1** also shows the path of the proposed wellbores for the **Ovation Fed Com 13 #131H Well, Ovation Fed Com 13 #132H Well, Ovation Fed Com 13 #135H Well, Ovation Fed Com 13 #211H Well, Ovation Fed Com 13 #212H Well, Ovation Fed Com 13 #215H Well, Ovation Fed Com 13 #221H Well, Ovation Fed Com 13 #222H Well, Ovation Fed Com 13 #225H Well, Ovation Fed Com 13 #231H Well, Ovation**

Fed Com 13 #232H Well, and Ovation Fed Com 13 #235H Well. Existing nearby wells producing in the Bone Spring and Wolfcamp formations are also reflected on the map.

6. **Novo Exhibit B-2** is a 3-D Block Diagram reflecting Novo's intended development of the Bone Spring and Wolfcamp formations in Section 13.

CASE NO. 20886

7. In this case, Novo is targeting the Bone Spring formation.

8. **Novo Exhibit B-3** is a subsea structure map that I prepared off the top of the Third Bone Spring Sand formation, which Novo intends to develop with its **Ovation Fed Com 13 #131H Well, Ovation Fed Com 13 #132H Well, and Ovation Fed Com 13 #135H Well.** The structure map with a contour interval of 20 feet shows the Bone Spring is gently dipping to the east. The structure appears consistent across the proposed wellbore paths. I do not observe any faulting, pinchouts, or other geologic impediments to horizontal drilling.

CASE NO. 20887

9. In this case, Novo is targeting the Wolfcamp formation.

10. **Novo Exhibit B-4** is a subsea structure map that I prepared off the top of the Wolfcamp XY formation with a contour interval of 20 feet. The map reflects the proposed **Ovation Fed Com 13 #211H Well, Ovation Fed Com 13 #212H Well, Ovation Fed Com 13 #215H Well.** The structure map shows the Wolfcamp is gently dipping to the east. The structure appears consistent across the proposed wellbore paths. I do not observe any faulting, pinchouts, or other geologic impediments to horizontal drilling.

11. **Novo Exhibit B-5** is a subsea structure map that I prepared off the top of the Wolfcamp A formation with a contour interval of 20 feet. The map reflects the proposed **Ovation Fed Com 13 #221H Well, Ovation Fed Com 13 #222H Well, and Ovation Fed Com 13**

#225H Well. The structure map shows the Wolfcamp is gently dipping to the east. The structure appears consistent across the proposed wellbore paths. I do not observe any faulting, pinchouts, or other geologic impediments to horizontal drilling.

12. **Novo Exhibit B-6** is a subsea structure map that I prepared off the top of the Wolfcamp B formation with a contour interval of 20 feet. The map reflects the proposed **Ovation Fed Com 13 #231H Well, Ovation Fed Com 13 #232H Well, and Ovation Fed Com 13 #235H Well.** The structure map shows the Wolfcamp is gently dipping to the east. The structure appears consistent across the proposed wellbore paths. I do not observe any faulting, pinchouts, or other geologic impediments to horizontal drilling.

13. **Novo Exhibit B-7** is a stratigraphic cross-section that I prepared displaying open-hole logs from three representative wells denoted from A to A'. **Novo Exhibit B-7** also includes an insert on the bottom left-hand corner that shows the location of the wells used to create the stratigraphic cross-section on **Novo Exhibit B-7.** These three wells from A to A' are representative of the geology in the area. For each well in the cross-section, the exhibit shows the following logs: gamma ray, resistivity, and porosity. The proposed target intervals in the Third Bone Spring, Wolfcamp XY, Wolfcamp A, and Wolfcamp B are labeled and marked on the exhibit. The logs in the cross-section demonstrate that the targeted intervals, within the Bone Spring and Wolfcamp, are consistent in thickness, across the entire proposed spacing unit.

14. In my opinion, each tract comprising the proposed horizontal spacing units in **Case Nos. 20886 and 20887** will be productive and contribute more-or-less equally to production from the wellbore.

15. In my opinion, the granting of Novo's applications in these cases is in the best interest of conservation, the prevention of waste, and protection of correlative rights.

16. Novo Exhibits B-1 through B-7 were either prepared by me or compiled under my direction and supervision.

FURTHER AFFIANT SAYETH NOT.


MICHAEL HALE

STATE OF OKLAHOMA)
)
COUNTY OF OKLAHOMA)

SUBSCRIBED and SWORN to before me this 11th day of November 2019 by Michael Hale.


NOTARY PUBLIC

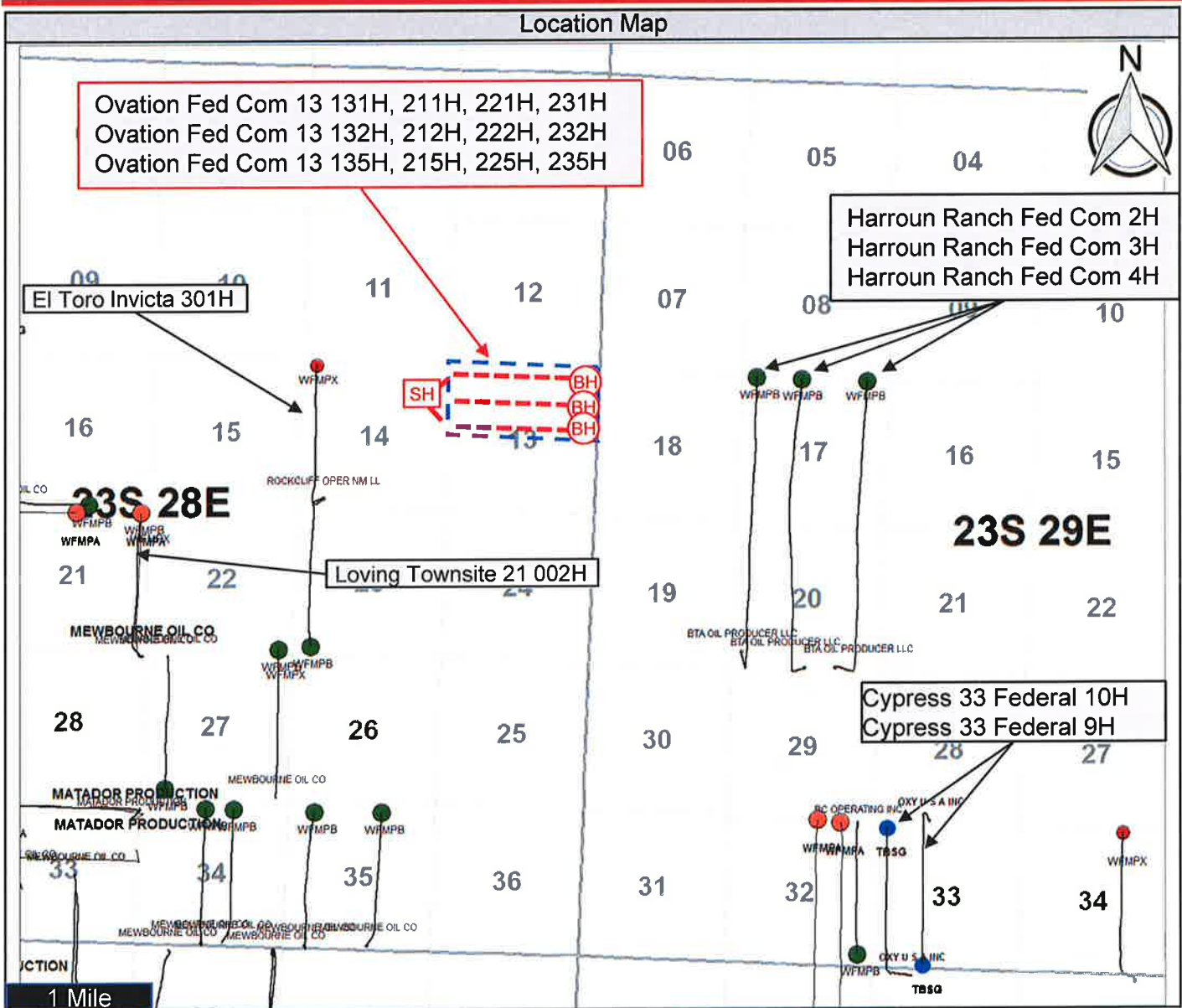
My Commission Expires:

11/15/20



Ovation Fed Com 13 Execution Plan

Third Bone Spring, Wolfcamp XY, Wolfcamp A and Wolfcamp B Proposed Locations, Section 13-23S-28E



Map Legend	
	Spacing Unit (320 ac.)
	Surface Hole Location
	Novo Horizontal Location
	Bottom Hole Location
	Horizontal Landing Target
	Third Bone Spring Producer
	Wolfcamp XY Producer
	Wolfcamp A Producer
	Wolfcamp B Producer

Hearing Details
Novo Oil & Gas Northern Delaware, LLC
Docket Number: 42-19
Case Number: 20886 & 20887
Date: November 14, 2019
Exhibit Number: B-1

Novo Development Plan: Ovation Fed Com 13 Units

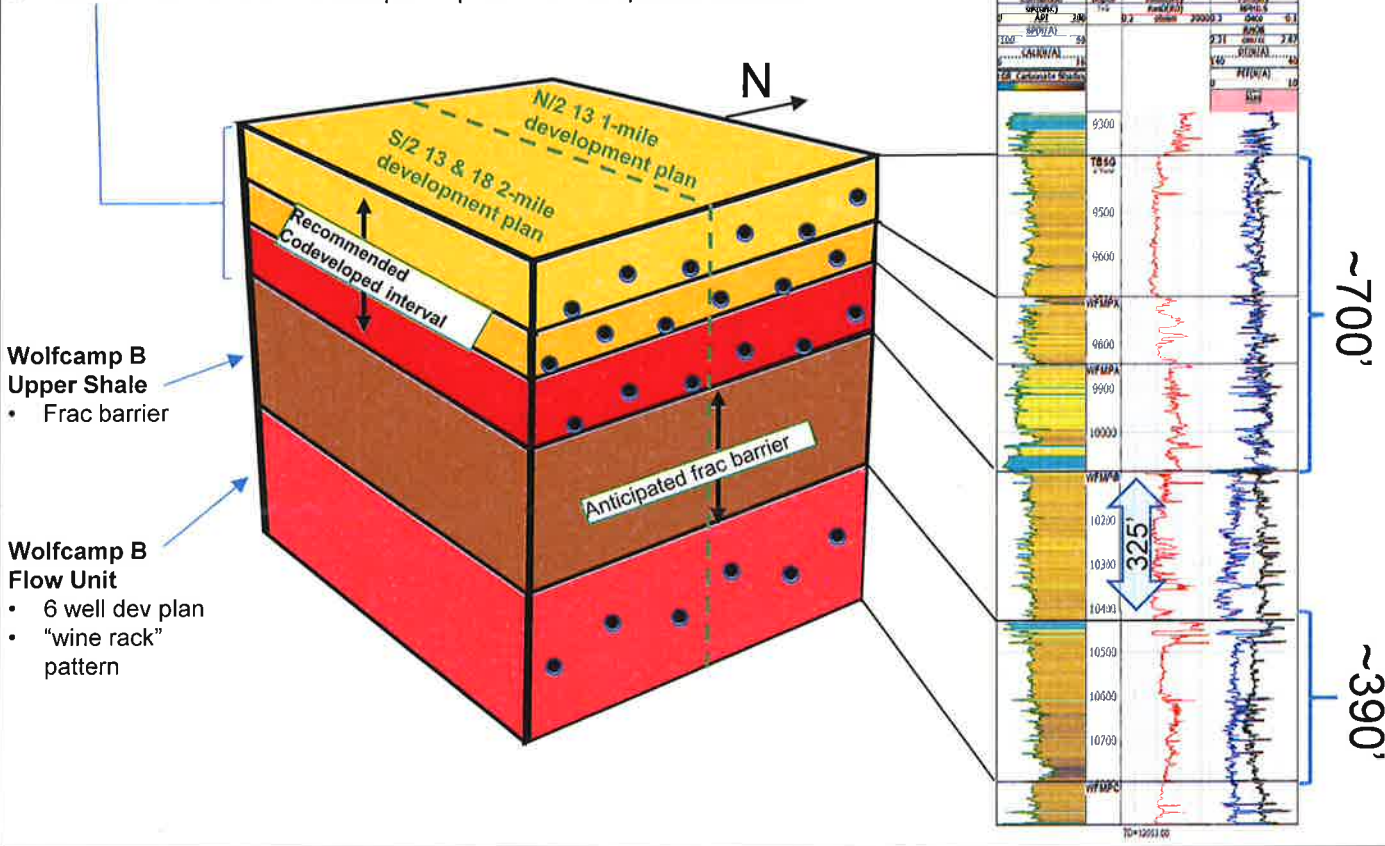
Section 013-23S-28E



3-D Block Diagram

Third Bone Sand/Wolfcamp XY/Wolfcamp A

- Potential 6 well dev plan per horizon
- "wine rack" pattern
- All intervals should be codeveloped to prevent future operational issues

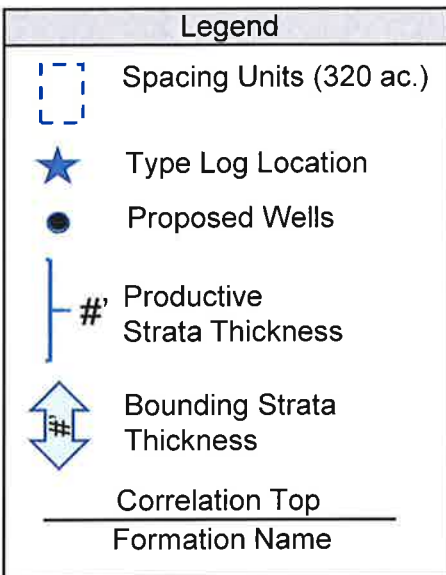
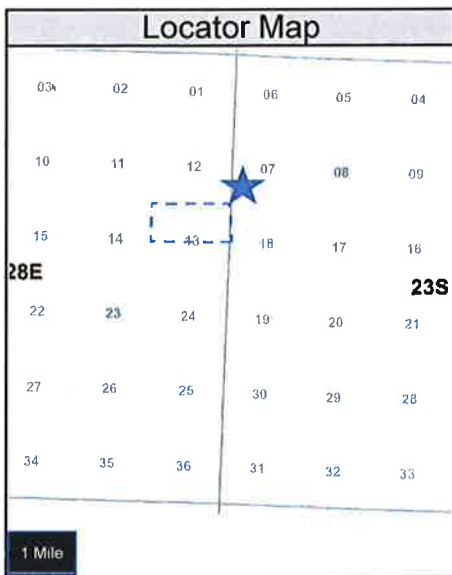


Wolfcamp B Upper Shale

- Frac barrier

Wolfcamp B Flow Unit

- 6 well dev plan
- "wine rack" pattern



Novo Oil & Gas Northern Delaware, LLC

Docket Number: **42-19**

Case Number: **20886 & 20887**

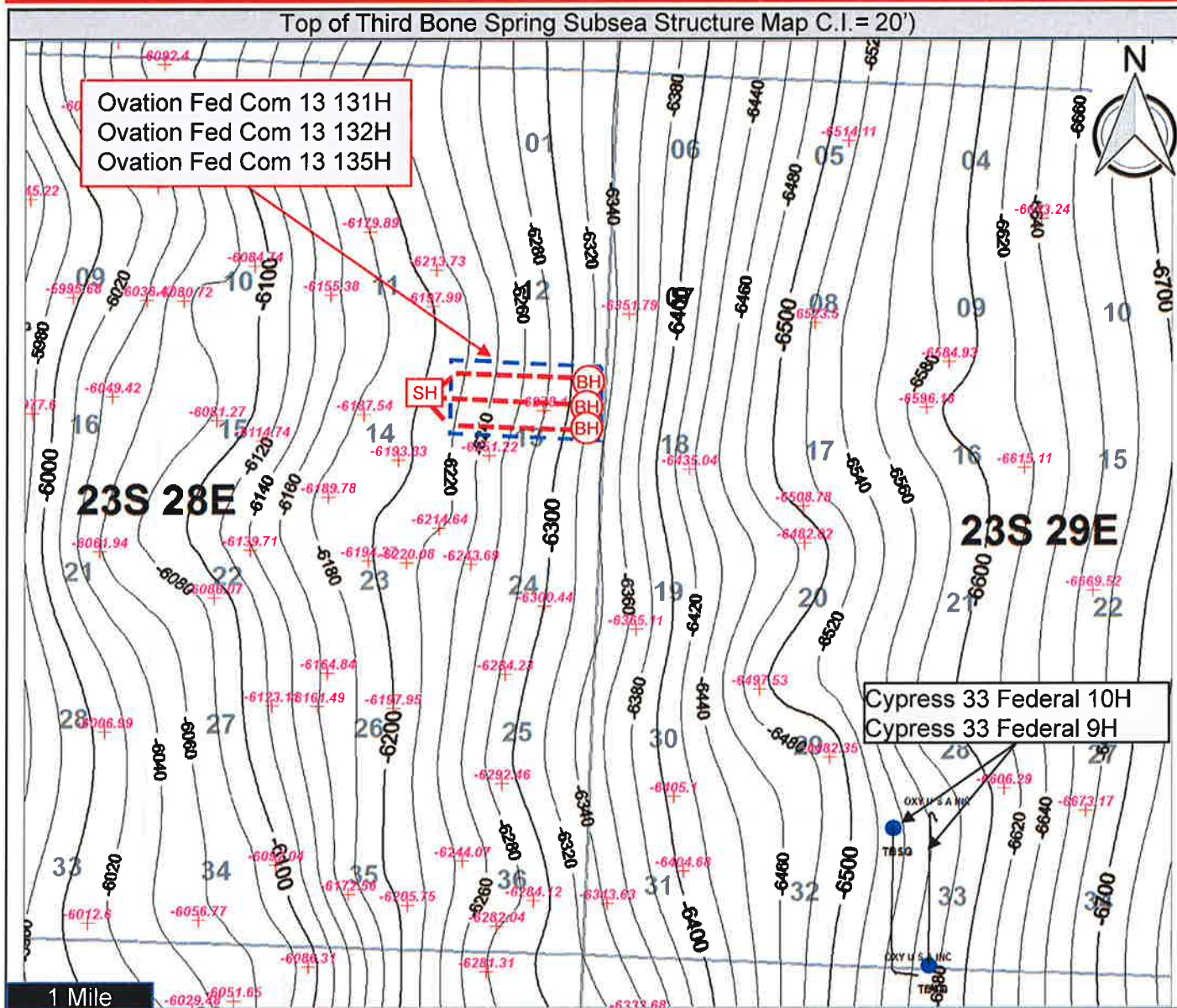
Date: **November 14, 2019**

Exhibit Number: **B-2**

Ovation Fed Com 13: Top of Third Bone Spring Structure Map



Third Bone Spring Proposed Locations; Section 13-23S-28E



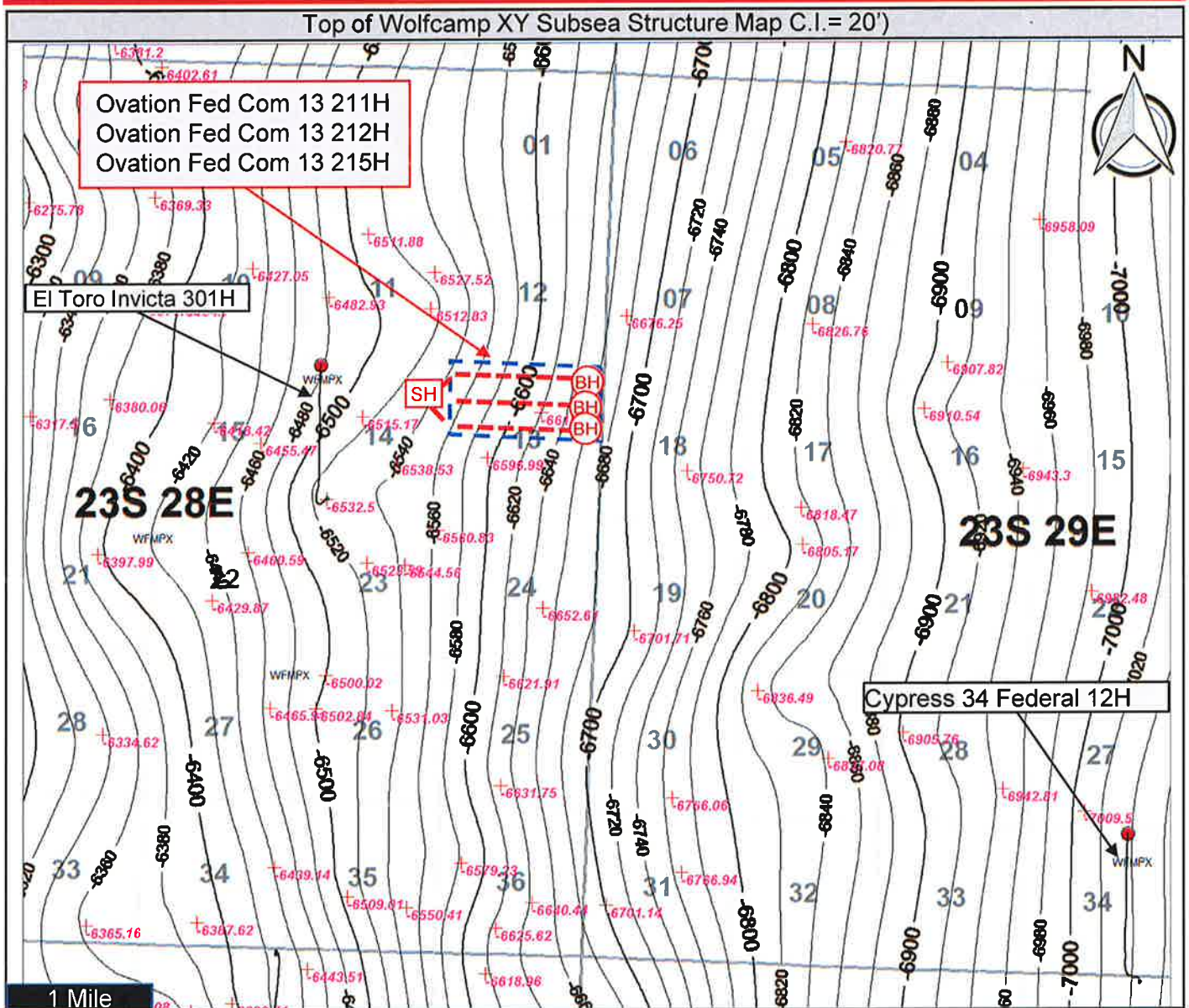
Map Legend	
	Spacing Units (320 ac.)
	Surface Hole Location
	Novo Horizontal Location
	Bottom Hole Location
	TBSG Horizontal Landing Target
	Third Bone Spring Producer
	Datum value
	Third Bone Spring Subsea Structure
	Contour line – interval 20'
	A Cross Section Line A'

Hearing Details
Novo Oil & Gas Northern Delaware, LLC
Docket Number: 42-19
Case Number: 20886 & 20887
Date: November 14, 2019
Exhibit Number: B-3

Ovation Fed Com 13: Top of Wolfcamp XY Structure Map



Wolfcamp XY Proposed Locations; Section 13-23S-28E



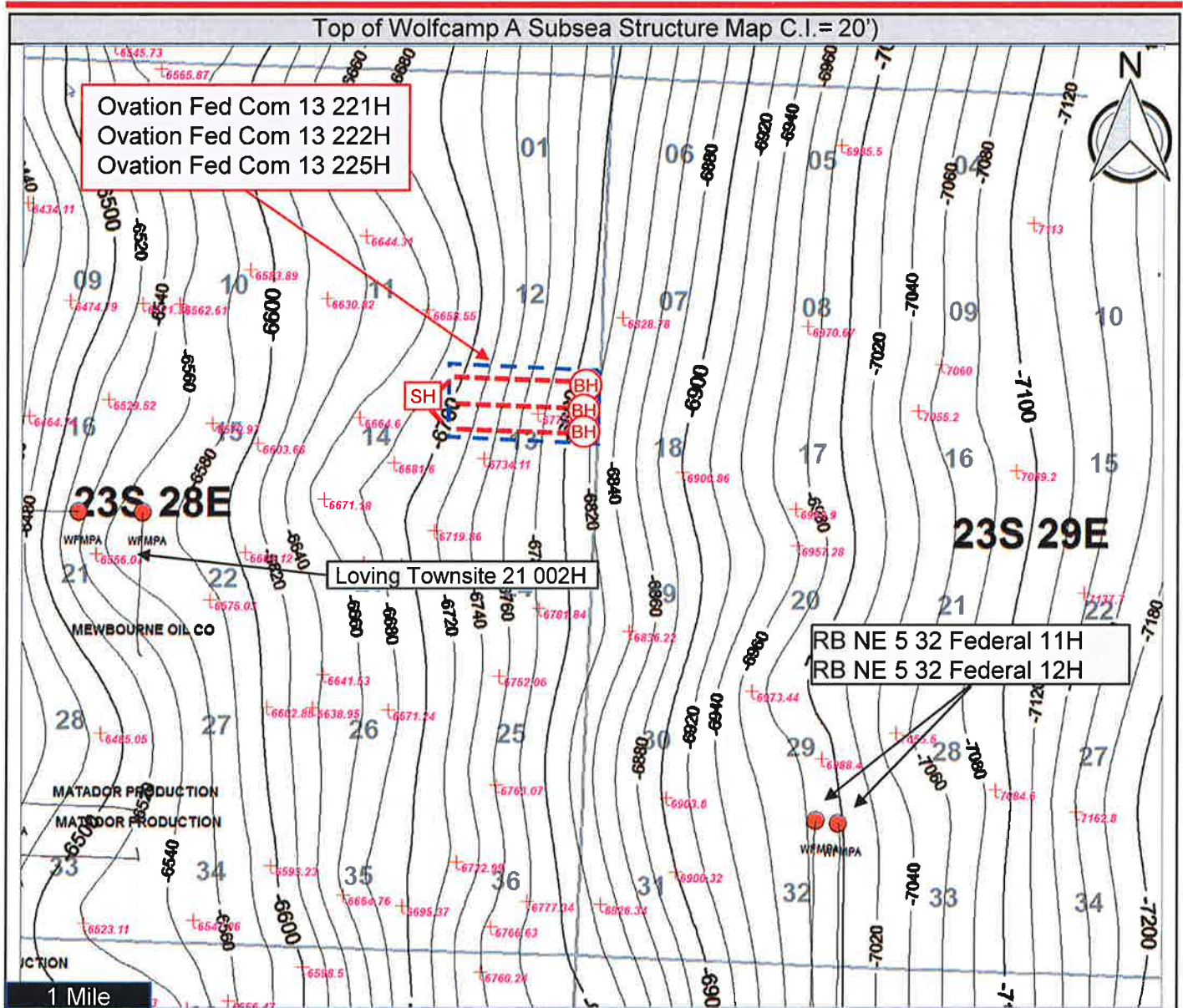
Map Legend	
	Spacing Units (320 ac.)
	Surface Hole Location
	Novo Horizontal Location
	Bottom Hole Location
	Horizontal Landing Target
	Wolfcamp XY Producer
	Datum value
	Wolfcamp XY Subsea Structure Contour line – interval 20'
	Cross Section Line A-A'

Hearing Details
Novo Oil & Gas Northern Delaware, LLC
Docket Number: 42-19
Case Number: 20886 & 20887
Date: November 14, 2019
Exhibit Number: B-4

Ovation Fed Com 13: Top of Wolfcamp A Structure Map



Wolfcamp A Proposed Locations; Section 13-23S-28E

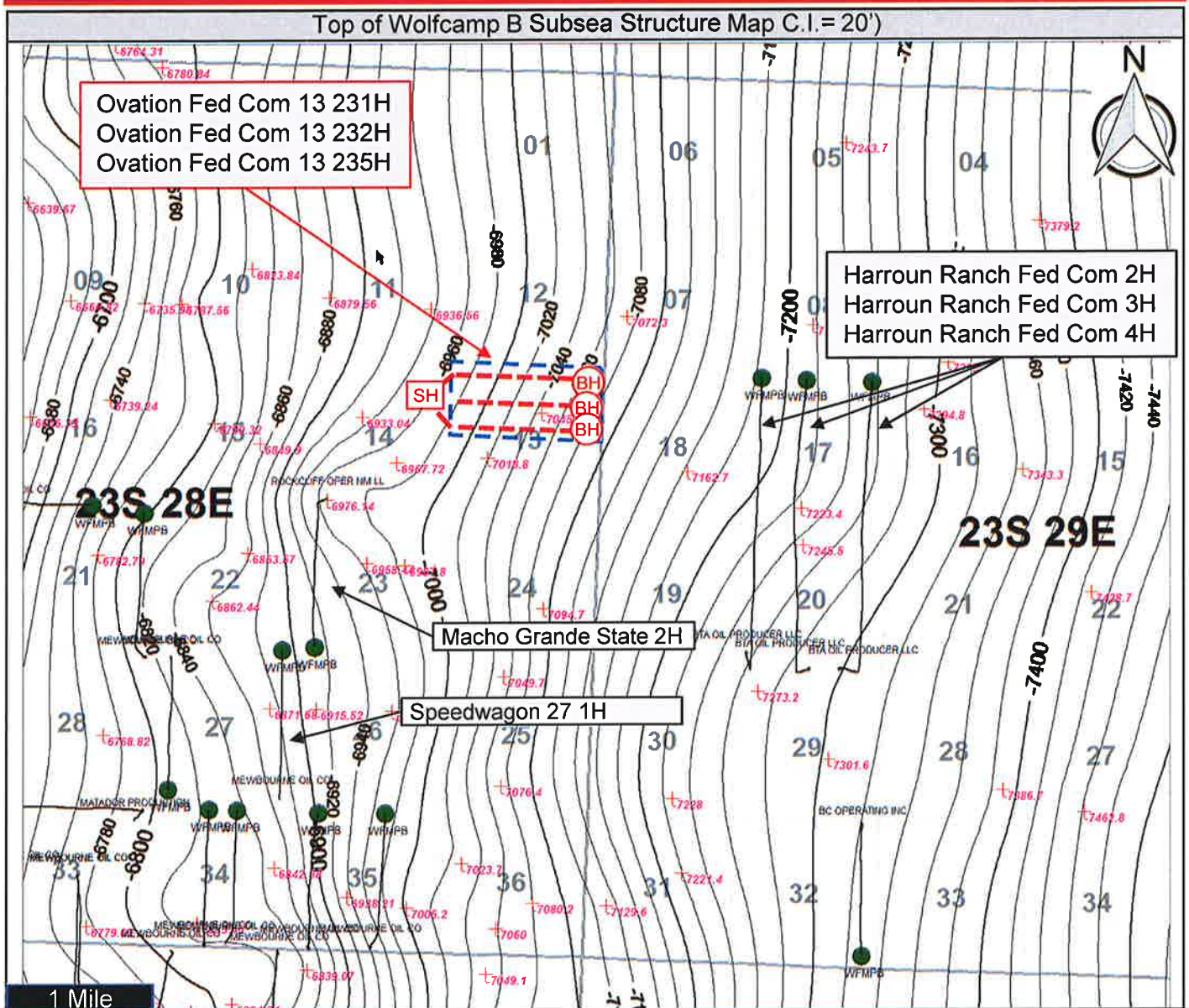


Hearing Details
Novo Oil & Gas Northern Delaware, LLC
Docket Number: 42-19
Case Number: 20886 & 20887
Date: November 14, 2019
Exhibit Number: B-5

Ovation Fed Com 13: Top of Wolfcamp B Structure Map



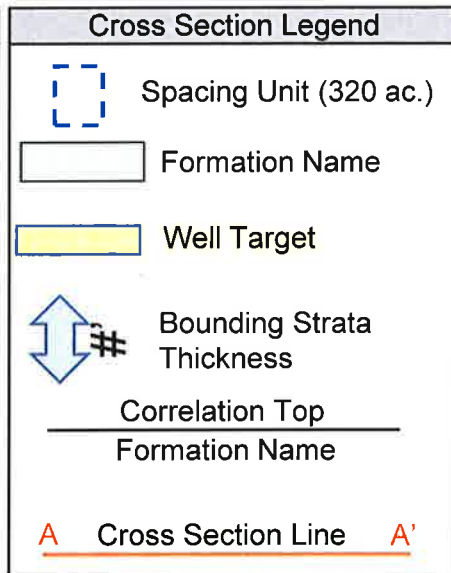
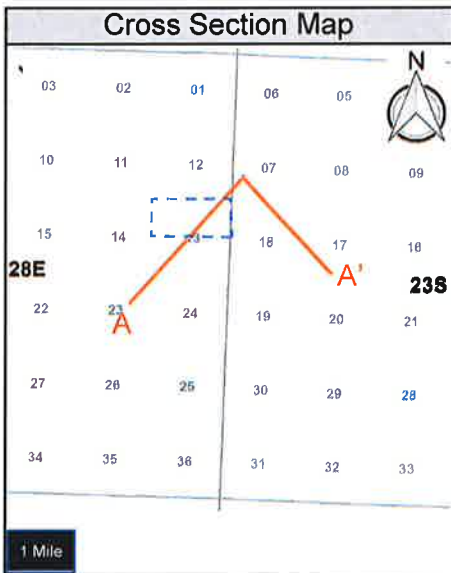
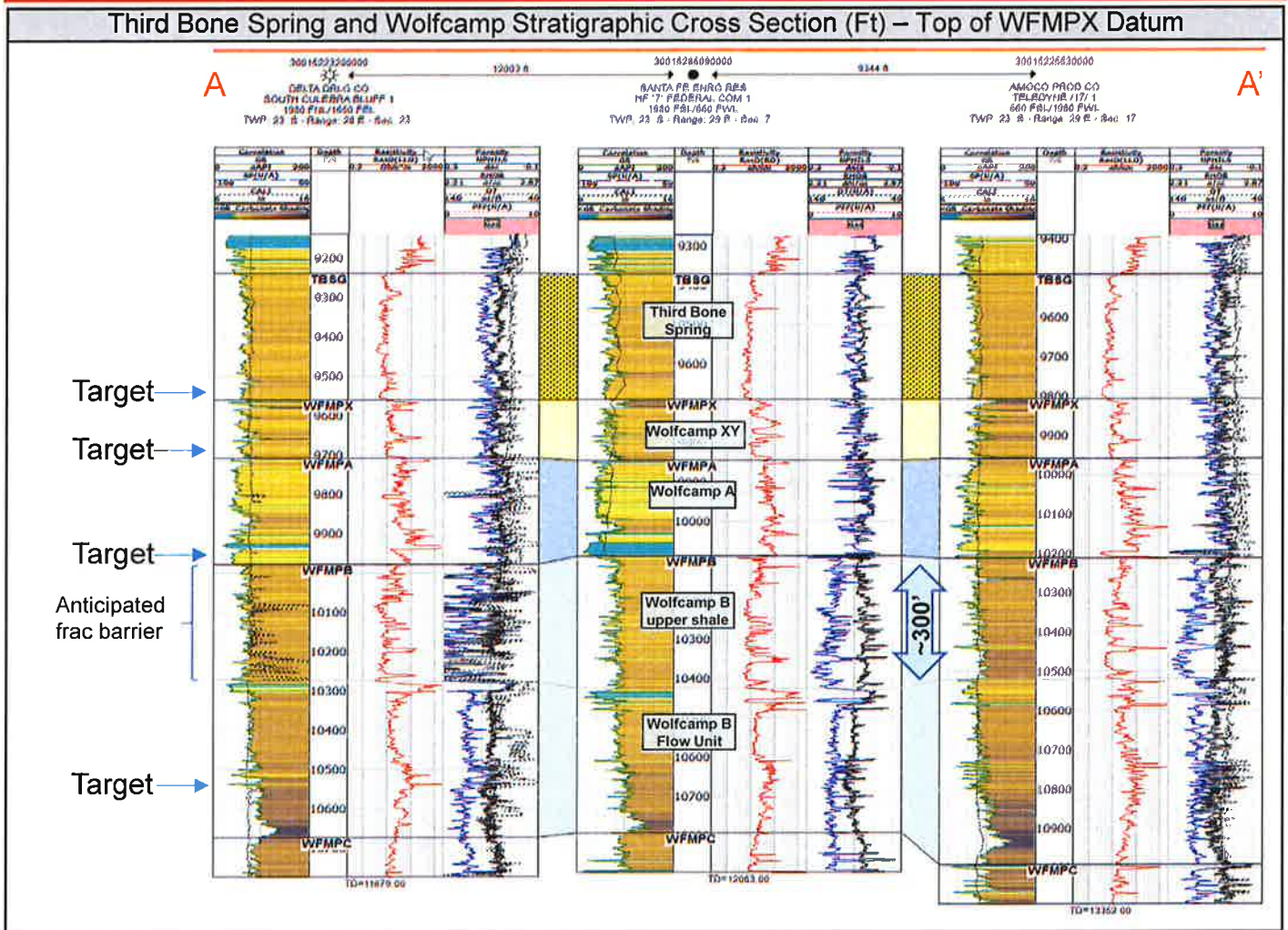
Wolfcamp B Proposed Locations; Section 13-23S-28E



Hearing Details
Novo Oil & Gas Northern Delaware, LLC
Docket Number: 42-19
Case Number: 20886 & 20887
Date: November 14, 2019
Exhibit Number: B-6

Ovation– Third Bone Spring and Wolfcamp Stratigraphic Cross Section

Third Bone Spring, Wolfcamp XY, Wolfcamp A and Wolfcamp B Proposed Location, Section 013-23S-28E



Novo Oil & Gas Northern Delaware, LLC

Docket Number: **42-19**

Case Number: **20886 & 20887**

Date: **November 14, 2019**

Exhibit Number: **B-7**

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF NOVO OIL & GAS
NORTHERN DELAWARE, LLC FOR
COMPULSORY POOLING, EDDY
COUNTY, NEW MEXICO.**

CASE NOS. 20886 & 20887

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Kaitlyn A. Luck, attorney in fact and authorized representative of Novo Oil & Gas Northern Delaware, LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Applications have been provided under the notice letters and proof of receipts attached hereto.



Kaitlyn A. Luck

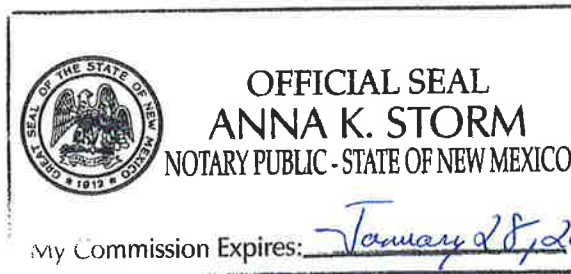
SUBSCRIBED AND SWORN to before me this 13th day of November, 2019 by Kaitlyn A. Luck.



Notary Public

My Commission Expires:

January 28, 2023



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C
Submitted by: Novo Oil & Gas Northern Delaware
Hearing Date: November 14, 2019
Case # 20886 & 20887



Michael H. Feldewert
Recognized Specialist in the
Area of Natural Resources –
Oil and Gas Law – New Mexico Board of
Legal Specification
mfeldewert@hollandhart.com

October 23, 2019

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL POOLED PARTIES

**Re: Application of Novo Oil & Gas Northern Delaware LLC for compulsory pooling, Eddy County, New Mexico.
Ovation Fed Com 13 #131H, #132H, #135H Wells**

Ladies & Gentlemen:

This letter is to advise you that Novo Oil & Gas Northern Delaware, LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on November 14, 2019, and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/ocd/>. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from subsequently challenging this matter.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-Hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact Justin Carter, at (405) 286-3375 or jcarter@novoog.com.

Sincerely,

Michael H. Feldewert
**ATTORNEY FOR NOVO OIL & GAS NORTHERN
DELAWARE LLC**



Michael H. Feldewert
Recognized Specialist in the
Area of Natural Resources –
Oil and Gas Law – New Mexico Board of
Legal Specification
mfeldewert@hollandhart.com

October 23, 2019

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL POOLED PARTIES

Re: Application of Novo Oil & Gas Northern Delaware LLC for compulsory pooling, Eddy County, New Mexico.
Ovation Fed Com 13 #211H, #212H, #215H, #221H, #222H, #225H, #231H, #232H, #235H Wells

Ladies & Gentlemen:

This letter is to advise you that Novo Oil & Gas Northern Delaware, LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on November 14, 2019, and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/ocd/>. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from subsequently challenging this matter.

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If you have any questions about this matter, please contact Justin Carter, at (405) 286-3375 or jcarter@novoog.com.

Sincerely,

Michael H. Feldewert
**ATTORNEY FOR NOVO OIL & GAS NORTHERN
DELAWARE LLC**

Novo - Ovation 131H-132H, 135H, 211H-212H, 215H, 225H, 221H-222H, 225H, 231H-232H, 235H
Case Nos. 20886, 20887 - Postal Delivery Report

Tracking Number	Recipient	Status
9214890194038396564751	Mark L Shidler 1313 Campbell Rd Bldg D Houston TX 77005	Delivered Signature Received
9214890194038396564768	Westhall Oil & Gas LLC PO BOX 4 Loco Hills NM 88255	Delivered Signature Received
9214890194038396564775	Don Paage Royalties 550 West Texas Ave Suite 800 Midland TX 79701	Delivered Signature Received
9214890194038396564782	Robert H Northington 15250 Prestonwood Blvd 263 Dallas TX 75248-4791	Delivered Signature Received
9214890194038396564799	H P McLish 1520 W Canal Ct Suite 250 Littleton CO 80120	Delivered Signature Received
9214890194038396564805	Chase Hicks 111 Stoney Creek Lane Terrell TX 75160-5140	In-Transit
9214890194038396564812	TLW Investments LLC 1001 Fannin Suite 2020 Houston TX 77002	Delivered Signature Received

5
\$5.75 x 7 = (\$40.25)



Shipment Confirmation Acceptance Notice

A. Mailer Action

Note to Mailer: The labels and volume associated to this form online, **must** match the labeled packages being presented to the USPS® employee with this form.

Novo - Ovation Fed Com 13 131H-132H, 135H, 211H
212H, 215H, 221H, 231H, 232H, 235H
Case Nos. 20886 & 20887

Shipment Date: 10/23/2019
Shipped From:
Name: HOLLAND & HART LLP
Address: 110 N GUADALUPE ST # 1
City: SANTA FE
State: NM ZIP+4® 87501

Type of Mail	Volume
Priority Mail Express®	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	7
Total	7

*Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

- Note to RSS Clerk:
1. Home screen > Mailing/Shipping > More
 2. Select Shipment Confirm
 3. Scan or enter the barcode/label number from PS Form 5630
 4. Confirm the volume count message by selecting Yes or No
 5. Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail.
Leave form with customer or in customer's mail receptacle.

USPS SCAN AT ACCEPTANCE



9275 0901 1935 6200 0017 9064 24





Firm Mailing Book For Accountable Mail

Name and Address of Sender Holland & Hart LLP 110 N Guadalupe St # 1 Santa Fe NM 87501		Check type of mail or service <input type="checkbox"/> Adult Signature Required <input type="checkbox"/> Priority Mail Express <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation <input type="checkbox"/> Collect on Delivery (COD) <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Priority Mail		Affix Stamp Here <i>(if issued as an international certificate of mailing or for additional copies of this receipt).</i> Postmark with Date of Receipt.												
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender If COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee		
1. 9214 8901 9403 8396 5647 51	Mark L Shrier 1313 Campbell Rd Bldg D Houston TX 77005	0.65	3.50	Handling Charge - if Registered and over \$50,000 in value							1.60					
2. 9214 8901 9403 8396 5647 68	Weslhat Oil & Gas LLC PO BOX 4 Loco Hills NM 88255	0.65	3.50									1.60				
3. 9214 8901 9403 8396 5647 75	Don Page Royalties 550 West Texas Ave Suite 600 Midland TX 79701	0.65	3.50									1.60				
4. 9214 8901 9403 8396 5647 82	Robert H Northington 15250 Prestonwood Blvd 263 Dallas TX 75248-4791	0.65	3.50									1.60				
5. 9214 8901 9403 8396 5647 99	H P McLaugh 1520 W Canal Ct Suite 250 Littleton CO 80120	0.65	3.50									1.60				
6. 9214 8901 9403 8396 5648 05	Chase Hicks 111 Stoney Creek Lane Terrell TX 75160-5140	0.65	3.50									1.60				
7. 9214 8901 9403 8396 5648 12	TLW Investments LLC 1001 Fannin Suite 2020 Houston TX 77002	0.65	3.50									1.60				
Total Number of Pieces Listed by Sender 7		Total Number of Pieces Received at Post Office		Postmaster, Per (Name of receiving employee)												

Carlsbad Current Argus.

PART OF THE USA TODAY NETWORK

Affidavit of Publication

Ad # 0003867529

HOLLAND & HART
POBOX 2208

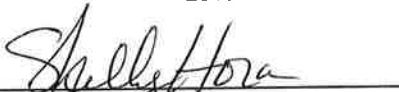
SANTA FE, NM 87504

I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

October 29, 2019


Legal Clerk

Subscribed and sworn before me this October 29,
2019:


State of WI, County of Brown
NOTARY PUBLIC

8-25-23
My commission expires

SHELLY HORA
Notary Public
State of Wisconsin

Ad # 0003867529
PO #:
of Affidavits : 1

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES
DEPARTMENT
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

The State of New Mexico through its Oil Conservation Division hereby gives notice pursuant to law and the Rules and Regulations of the Division of the following public hearing to be held at 8:15 A.M. on **November 14, 2019**, in Porter Hall, the Oil Conservation Division Hearing Room, 1st Floor, Wendell Chino Building, 1220 South St. Francis, Santa Fe, New Mexico, before an examiner duly appointed for the hearing. If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by **November 4, 2019**. Public documents, including the agenda and minutes, can be provided in various accessible formats. Members of the public may obtain copies of the docket by contacting Ms. Davidson at the phone number indicated above. Also, the docket will be posted on the Oil Conservation Division website at www.emnr.state.nm.us/OC/D/. Please contact Ms. Davidson if a summary or other type of accessible form is needed.

STATE OF NEW MEXICO TO:
All named parties and persons
having any right, title, interest
or claim in the following case
and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian whether or not so stated.)

To: All overriding royalty interest owners and pooled parties, including: Novo Oil & Gas Northern Delaware, LLC Mark L. Shidler, his heirs and devisees; Westhall Oil & Gas, LLC; Don Paage Royalties; Robert H. Northington, his heirs and devisees; H. P. McLish, his/her heirs and devisees; Chase Hicks, his heirs and devisees; TLW Investments, LLC.

Case No. 20886: Application of Novo Oil & Gas Northern Delaware LLC for compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 320-acre, more or less, horizontal spacing unit comprised of the N/2 of Section 13, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. Said horizontal spacing unit will be dedicated to the following proposed initial wells:

- The Ovation Fed Com 13 #131H Well to be horizontally drilled from a surface location in the NE/4 of Section 14, T23S, R28E, to a bottom hole location in the NE/4 NE/4 (Unit A) of Section 13.
- The Ovation Fed Com 13 #132H Well and the Ovation Fed Com 13 #135H Well, both of which will be horizontally drilled from a common surface location in the NE/4 of Section 14, T23S, R28E, to bottom hole locations in the SE/4 NE/4 (Unit H) of Section 13.

The completed interval for the Ovation Fed Com 13 #132H Well will remain within 330 feet of the N/2 N/2 of Section 13 to allow inclusion of these proximity tracts in a standard 320-acre horizontal well spacing comprised of the N/2 of Section 13. Also, to be considered will be the cost of drilling and completing the wells, the allocation of the costs thereof, the actual operating costs and charges for supervision, the designation of applicant as operator of the wells, and the imposition of a 200% charge for risk involved in drilling and completing the wells. Said area is located approximately 3 miles east of Loving, New Mexico.
#3867487, Current Argus, Oct. 29, 2019

Carlsbad Current Argus.

PART OF THE USA TODAY NETWORK

Affidavit of Publication

Ad # 0003867847

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SANTA FE, NM 87504

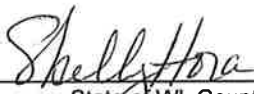
I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

October 29, 2019



Legal Clerk

Subscribed and sworn before me this October 29, 2019:



State of WI, County of Brown
NOTARY PUBLIC

8-25-23

My commission expires

SHELLY HORA
Notary Public
State of Wisconsin

Ad # 0003867847
PO #: 3867847
of Affidavits : 1

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES
DEPARTMENT
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

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Case No. 20887: Application of Novo Oil & Gas Northern Delaware LLC for compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal spacing unit comprised of the N/2 of Section 13, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico. Said horizontal spacing unit will be dedicated to the following proposed initial wells:

- The **Ovation Fed Com 13 #211H Well**, the **Ovation Fed Com 13 #212H Well**, the **Ovation Fed Com 13 #221H Well**, the **Ovation Fed Com 13 #231H Well**, and the **Ovation Fed Com 13 #232H Well**, each will be horizontally drilled from a common surface location in the NE/4 of Section 14, T23S, R28E, to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 13.

- The **Ovation Fed Com 13 #215H Well**, the **Ovation Fed Com 13 #222H Well**, the **Ovation Fed Com 13 #225H Well**, and the **Ovation Fed Com 13 #235H Well** each will be horizontally drilled from a common surface location in the NE/4 of Section 14, T23S, R28E, to bottom hole locations in the SE/4 NE/4 (Unit H) of Section 13.

Also, to be considered will be the cost of drilling and completing the wells, the allocation of the costs thereof, the actual operating costs and charges for supervision, the designation of applicant as operator of the wells, and the imposition of a 200% charge for risk involved in drilling and completing the wells. Said area is located approximately 3 miles east of Loving, New Mexico.

#3867847, Current Argus, Oct. 29, 2019