BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING NOVEMBER 14, 2019

CASE Nos. 20888 & 20889

Ovation 133-134H Well Ovation 136H Well Ovation 213-214HH Well Ovation 216H Well Ovation 223-224H Well Ovation 226H Well Ovation 233-234H Well Ovation 236H Well

EDDY COUNTY, NEW MEXICO



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. 20888 & 20889

<u>AFFIDAVIT OF BRANDON PATRICK</u> IN SUPPORT OF CASE NOS. 20888 AND 20889

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. 20888

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 634.72-acre, more or less, horizontal spacing unit comprised of

the S/2 of Section 13, Township 23 South, Range 28 East, and the S/2 of Section 18, Township 23

South, Range 29 East, NMPM, Eddy County, New Mexico.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

- 6. Novo seeks to dedicate the above horizontal spacing unit to the following proposed wells:
 - The Ovation Fed Com 1318 #133H Well (API No. pending) and the Ovation Fed Com 1318 #134H Well (API No. pending), both of which will be horizontally drilled from a common surface location in the NE/4 SE/4 (Unit I) of Section 14, T23S, R28E, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 18.
 - The Ovation Fed Com 1318 #136H Well (API No. pending) to be horizontally drilled from a surface location in the NE/4 SE/4 (Unit I) of Section 14, T23S, R28E, to a bottom hole location in the NE/4 SE/4 (Unit I) of Section 18.
- 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 1318 #133H Well will remain within 330 feet of the N/2 S/2 of Sections 13 and 18 to allow inclusion of these proximity tracts in a standard 640-acre horizontal well spacing comprised of the S/2 of Sections 13 and 18. 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. 20889

- 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 underlying a standard 634.72-acre, more or less, horizontal spacing unit comprised of the S/2 of Section 13, Township 23 South, Range 28 East, and the S/2 of Section 18, Township 23 South, Range 29 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 1318 #214H Well (API No. pending), the Ovation Fed Com 1318 #223H Well (API No. pending), the Ovation Fed Com 1318 #224H Well (API No. pending), the Ovation Fed Com 1318 #233H

- Well (API No. pending), and the Ovation Fed Com 1318 #234H Well (API No. pending), each of which will be horizontally drilled from a common surface location in the SE/4 SE/4 (Unit P) of Section 14, T23 S, R28E, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 18.
- The Ovation Fed Com 1318 #213H Well (API No. pending), the Ovation Fed Com 1318 #216H Well (API No. pending), the Ovation Fed Com 1318 #226H Well (API No. pending), and the Ovation Fed Com 1318 #236H Well (API No. pending), each of which will be horizontally drilled from a common surface location in the SE/4SE/4 (Unit P) of Section 14, to bottom hole locations in the NE/4 SE/4 (Unit I) of Section 18.
- 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-8**. 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. 20888 and 20889.

26. In Case Nos. 20888 and 20889, 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. 20888 and 20889, 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 SWO	ORN to before me this 12th day of November 2019 by
Brandon Patrick.	
My Commission Expires: 1\/15/20	NOTARY PUBLIC NOTARY PUBLIC # 16010809 # 0F OK ANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKCANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKCANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKCANDIENTIAL OF OKTOR OF OKCANDIENTIAL OF OKTOR OKTOR OF OKCANDIENTIAL OKTOR O

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	г		² Pool Coo	de		³ Pool Na	me				
4 Property (Code	⁵ Property Name ⁶ Well										
					OVATION FED	COM 1318			133H			
OGRID 1	No.				8 Operator	Name			⁹ Elevation			
37292	0		NOV	O OIL &	GAS NORTH	ERN DELAWA	RE, LLC		2974.0			
	" Surface Location											
UL or lot no.	Section	Townsh	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	st line County			
I	14	23 S	28 E		1750	SOUTH	420	EAS	T EDDY			
		***	uВ	ottom H	ole Location	If Different Fr	om Surface		1/11			
UL or lot no.	Section	Townsh	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	st line County			
P	18	23 S	29 E	1122 SOUTH 10 EAST EDI								
12 Dedicated Acre	s ¹³ Joint	or Infill	14 Consolidation	n Code	-11		15 Order No.		101.0			

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.

NW CORNER SEC. 14 (SCALE) M. S. 23.12860791	In 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
NIBS 44'02' W 2805.60 FT NIBS 44'02' W 2805.60 FT NIBS 52'2' W 2705.14 FT NIBS 42'2'3' W 2805.74 FT NIBS 42'3'3' W 2805.74 FT NIBS	NOVEMBER 11. 2019

OIL CONSERVATION DIVISION

Santa Fe, New Mexico Exhibit No. A1

Submitted by: Novo Oil & Gas Northern Delaware Hearing Date: November 14, 2019

Case # 20888 & 20889

Inten	N-	As Dril	led										
NO	rator Na VO OIL _AWAR	& GAS N	NORTHE	ERN			perty f		: D COM	1 1318	}		Well Number 133H
Kick (Off Point	(KOP)											
UL	Section	Township	Range	Lot	Feet		From I	N/S	Feet	From	m E/W	County	130
Latitu	ıde				Longitu	ıde						NAD	
	Гаке Poir	nt (FTP)											
UL M	Section 13	Township 23S	Range 28E	Lot	Feet 1122		From I		Feet 100	Fror WE	n E/W ST	County EDDY	
Latitu	ide 301353	7			Longitu 104.0		3099					NAD 83	
UL	ake Poin	Township	Range	Lot	Feet		om N/S	Feet		om E/W	Coun		
P Latitu	18 ide	23S	29E		1122 Longitu		UTH	100	EA	AST	EDD	Υ	
	300933	4			104.0		7964				83		
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Is this	well an i	infill well?)										
	ng Unit.	ease provi	de API if a	availab	ole, Opei	rator	Name	and w	vell num	ber for	Definii	ng well fo	r Horizontal
Ope	rator Nar	ne:				Pro	perty N	lame:					Well Number

District 1
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

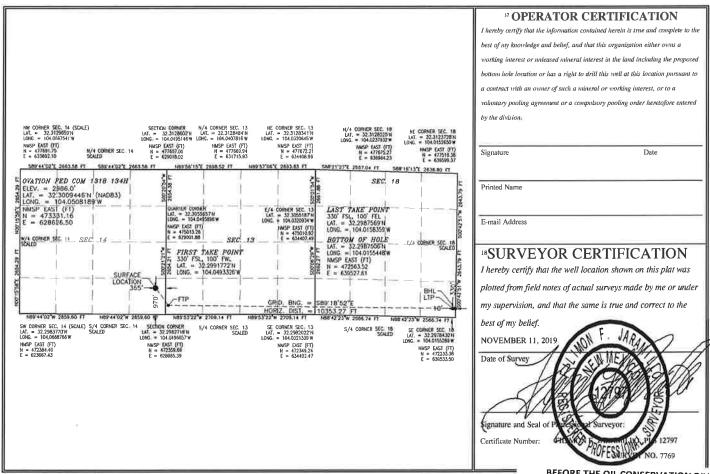
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 /	API Numbe	г			² Pool Cod	e			³ Pool Na	ıme		
4 Property (Code	⁵ Property Name ⁶ V										Well Number
					C	VATION F	ED	COM 1318				134H
'OGRID I	No.					⁸ Opera	ator N	Vame				⁹ Elevation
37292	0		NOVO OIL & GAS NORTHERN DELAWARE, LLC 29						2986.0			
¹⁰ Surface Location												
UL or lot no.	Section	Townshi	ip Ra	ange	Lot Idn	Feet from th	he	North/South line	Feet from the	East/Wo	est line	County
P	14	23 S	28	8 E		970		SOUTH	420	EA	ST	EDDY
				" Bo	ottom H	ole Location	on I	If Different Fr	om Surface			
UL or lot no.	Section	Townshi	ip Ra	ange	Lot Idn	Feet from th	he	North/South line	Feet from the	East/Wo	est line	County
P	18	23 S	29	9 E		330		SOUTH	10	EAS	ST	EDDY
12 Dedicated Acre	s ¹³ Joint	or Infill	14 Conso	olidation	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.



BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. A2

Inten	-	As Dril	led											
NO	erator Nai VO OIL _AWAR	& GAS N	NORTHE	RN			perty N ATIOI			OM 13	318			Well Number 134H
Kick (Off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet		From f	N/S	Feet		From	E/W	County	
Latitu	ude				Longitu	ıde			1				NAD	
First ⁻	Take Poir	nt (FTP)			1									
UL M	Section 13	Township 23S	Range 28E	Lot	Feet 330		From I		Feet 100	,	From	E/W	County	
Latitu					Longitu 104.0								NAD 83	
Last T	Take Poin	t (LTP)	Range	Lot	Feet	Fro	m N/S	Feet		From E	:/w	Count	tv	
Р	18	23S	29E	LOT	330	SC	UTH	100		EAST		EDD		
32.2	ude 298756	9			Longitu 104.0		3359					NAD 83		
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Is this	well an	infill well?	ļ]									
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API#														
Ope	rator Nai	me:				Pro	perty N	lame						Well Number

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

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

12 Dedicated Acres

3 Joint or Infill

14 Consolidation Code

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

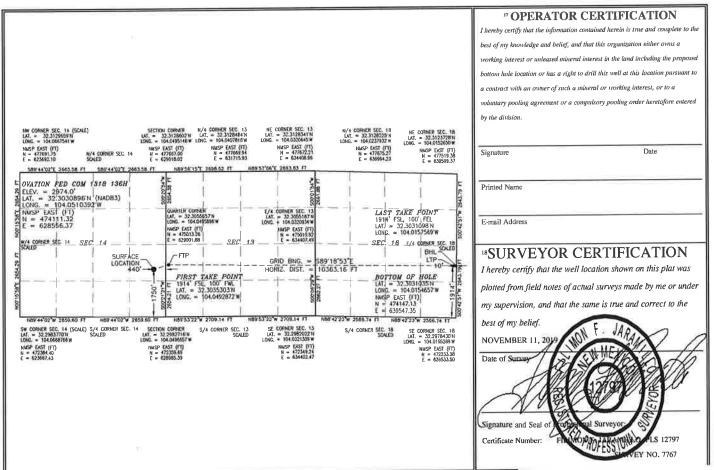
■ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 /	API Number	г		² Pool Code			Pool Na	me			
⁴ Property	Code			0	⁵ Property 1				• •	Well Number	
⁷ OGRID 1			NOV		8 Operator		RE, LLC		⁹ Elevation 2974.0		
					□ Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	it line	County	
I	14	23 S	28 E		1750	SOUTH	440	EAS	T	EDDY	
			" B	ottom Ho	ole Location	If Different Fr	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	st line	County	
I	13	23 S	29 E		1914	SOUTH	10	EAS	T	EDDY	

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.

5 Order No.



BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico Exhibit No. A3

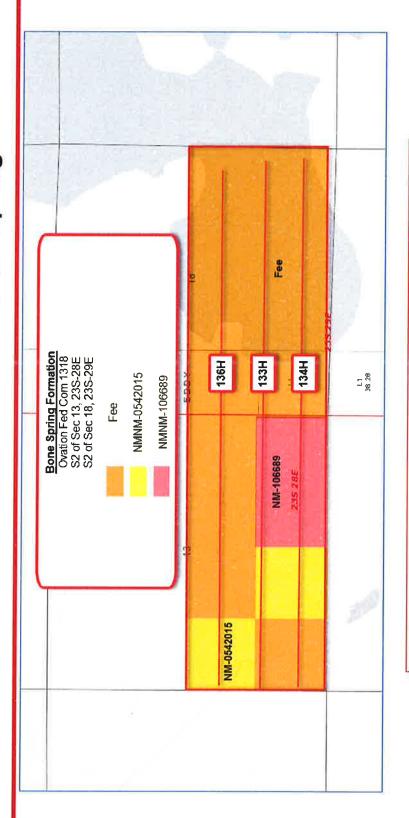
Submitted by: Novo Oil & Gas Northern Delaware Hearing Date: November 14, 2019

Case # 20888 & 20889

Inten		As Dril	led											
API #	‡													
	erator Nai		1,			100	perty N							Well Number
	VO OIL LAWAR	& GAS N E, LLC	NORTHE	RN		OV	OITA	N FE	D C	OM 1	318			136H
Kick (Off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet		From N	N/S	Feet		From	n E/W	County	
Latit	ude				Longitu	ıde			•				NAD	
First [*]	Take Poir	it (FTP)	,											
UL L	Section 13	Township 23S	Range 28E	Lot	Feet 1914		From N SOUT		Feet 100		Fron WE	n E/W ST	County EDDY	
Latite	_{ude} 303530	3			Longitu 104.0		2872						NAD 83	
					<u> </u>									
Last 7	Take Poin	t (LTP)										r		
UL I	Section 18	Township 23S	Range 29E	Lot	Feet 1914		om N/S OUTH	Feet 100		From EAS		Count EDD		
Latit					Longitu		7500					NAD		
32.	303109	8			104.0)15	7569					83		
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s thi	s well an	infill well?												
	ill is yes p ing Unit.	lease prov	ide API if	availab	ole, Ope	rator	Name	and v	vell n	umbe	r for I	Defini	ng well fo	or Horizontal
API #	‡													
Оре	erator Na	me:				Pro	perty N	Name	• II • II					Well Number



Ovation Fed Com 1318 133H, 134H, 136H - Bone Spring



Pooled Parties

Mark L. Shidler

Westhall Oil & Gas, LLC

1.57200% 1.57200%

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. A4

Submitted by: Novo Oil & Gas Northern Delaware Hearing Date: November 14, 2019

Case # 20888 & 20889

Summary of Interest

Ovation Fed Com 1318

S2 of Section, Township 23 South, Range 28 East S2 of Section, Township 23 South, Range 29 East

Bone Spring Formation

636.12-acre spacing Non-Standard Well - Ovation Fed Com 1318 133H

Committed Working Interest:

Novo Oil & Gas Northern Delaware, LLC

Uncommitted Working Interest:

Mark L. Shidler

Westhall Oil & Gas, LLC

1.5720% 1.5720%

3.14400%

%00958.96

91.82600%

Unleased Mineral Interest:

None

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1318
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vat
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Name	Street	City	State	Zip
Section 13 ORRI				
Don Paage Royalties	550 West Texas Ave, Suite 800	Midland	×	79701
Robert H. Northington	15250 Prestonwood Blvd, 263	Dallas	ž	75248-4791
H. P. McLish	1520 W Canal Ct, Suite 250	Littleton	: 9	80170
Chase Hicks	111 Stoney Creek Lane	Terrell	2 \	75160-5140
John Thomas	10117 Estate Lane	Dallas	:	75738-2134
The Allar Co.	PO Box 1567	Graham	<u> </u>	76/50
Talus, Inc.	PO Box 1210	Graham	<u> </u>	76450
Twin Montana, Inc.	PO Box 1210	Graham	<u> </u>	76450



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: Ovation Fed Com 13/18 Third Bone Spring Wells

S/2 of Section 13, Township 23 South, Range 28 East S/2 of Section 18, Township 23 South, Range 29 East

Eddy County, New Mexico

634.72-acre Working Interest Unit

Proposed Wells

Ovation Fed Com 1318 136H

Ovation Fed Com 1318 133H

Ovation Fed Com 1318 134H

Ladies and Gentlemen:

Novo Oil & Gas Northern Delaware, LLC ("Novo") as Operator hereby proposes the drilling of the following Ovation Fed Com 13/18 wells, located in S/2 of Section 13, Township 23 South, Range 28 East, and S/2 of Section 18, Township 23 South, Range 29 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 the S/2 of Section 13 and the S/2 of Section 18.

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 Well - Ovation Fed Com 1318 136H

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

First take point: 1,914' FSL, 100' FEL of Section 13, Township 23 South, Range 28 East

Last take point: 1,914' FSL, 100' FEL of Section 18, Township 23 South, Range 29 East

BHL: NE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634,72-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,540' feet subsurface to evaluate the Third Bone Spring formation. The proposed well will have measured depth (MD) of approximately 19,540' feet.

Proposed Well - Ovation Fed Com 1318 133H

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

First take point: 1,122' FSL, 100' FEL of Section 13, Township 23 South, Range 28 East Last take point: 1,122' FSL, 100' FEL of Section 18, Township 23 South, Range 29 East

BHL: SE/4SE/4 of Section 18, Township 23 South, Range 29 East

Case # 20888 & 20889

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-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 19,545' feet.

Proposed Well - Ovation Fed Com 1318 134H

SHL: SE/4 of Section 14, Township 23 South, Range 28 East First take point: 330' FSL, 100' FEL of Section 13, Township 23 South, Range 28 East Last take point: 330' FSL, 100' FEL of Section 18, Township 23 South, Range 29 East BHL: SE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-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

19,550' 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 icarter@novoog.com.

Sincerely,

Novo Qil & Gas Northern Delaware, LLC

Justin Carter Landman

Not to participate in the Ovation Fed Com 1318 130H.
Participate in the Ovation Fed Com 1318 136H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 133H.
Participate in the Ovation Fed Com 1318 133H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 134H. Participate in the Ovation Fed Com 1318 135H for its Proportionate share of costs.
By:
Printed Name:
Title:
Date:
Contact Number:

Ovation Fed Com 1318 Third Bone Spring Working Interest Unit

Ovation Fed Com 1318 136H Ovation Fed Com 1318 133H Ovation Fed Com 1318 134H

Mark L. Shidler 1010 Lamar, Suite 500 Houston, TX 77002

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

Regeneration Energy, Co. 2308 Sierra Vista Rd Artesia, NM 88210

The Allar Co. 735 Elm Street Graham, TX 76450



TOTAL ESTIMATED WELL COST

NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
1001 West Winshin, Sufice 209
Obtains City, Oblahona 73 116
405-284-8341

WELL	VAME	Ovation Fed Corn 1318 133H	AFE TYPE	Development	AFE NUMBER	2015088
WATER STREET, SQUARE,	AL LOCATION	T23S, R28E, Sec 13 - T23S, R29E, Sec 18	FIELD	Northern Delaware	DRILLING DAYS	27
	CE LOCATION	T23S, R28E, Sec 14 NE/4 SW/4	FORMATION	Third Bone Spring	DEPTH (TVD/TMD)	9,545' / 19,545'
	M-HOLE LOCATION	T23S, R29E, Sec 18 SE/4 SE/4	COUNTY	Eddy County	STATE	New Mexico
	CT DESCRIPTION	Drilling, completion, facilities and pipeline costs	the second secon		10.000	T. Carrier and T. Car
ACCT.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
CODE	01/01/01/05/01/05/01	INTANGIBLE COSTS		DRILLING (300)	COMPLETION (500)	
01	SURVEY/PERMITS/DA	MAGES/LEGAL		\$ 60,000		\$ 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			750,000	20.000	750,000
06	COMPLETION/WORK				80,000	60,000
07	COIL TUBING/SNUBBI				160,000	160,000
08	The state of the s			100 000	5,000	105,000
09	BITS	200		100,000	5,000	
10	DIRECTIONAL SERVICE	268		288,000		288,000
11	CASING CREW	CUTAL		100,000	90.000	100,000
12	TOOL & EQUIPMENT	RENIAL		50,000	80,000	130,000
13	FUEL & POWER	IIID		204,000	200,000	100,000
14	DIESEL - BASE FOR M			100,000		25,000
16	MUD LOGGING & GEO					150,000
16	DISPOSAL, RESTORA TRUCKING	TION & BROKELL		150,000	40,000	180,000
18	TESTING			120,000	40,000	100,000
19	CEMENTING			200,000		200,000
20	PERFORATING			200,000	358,000	358,000
21	CASED HOLE LOGS				550,000	330,000
22	DOWNHOLE TOOLS 8	SERVICE			75,000	75.000
23	OTHER STIMULATION				120,000	120,000
24	FORMATION STIMULA				4,000,000	4,000,000
25	CONSULTING SERVICE				20,000	20,000
26	SUPERVISION			120,000	100,000	220,000
27	CONTRACT LABOR			5,000	20,000	25,000
28	OTHER LABOR				100,000	100,000
29	COMPANY CONSULTI	NG/SUPV				(
30	WATER	A Court of the Act of the		50,000	1,200,000	1,250,000
31	FLUIDS & CHEMICALS			200,000		200,000
32	CORING & ANALYSIS			110000000000000000000000000000000000000		
33	COMMUNICATIONS			10,000	10,000	20,000
34	BOP TESTING			20,000	10,000	30,000
38	FISHING TOOLS & SE	RVICES			***************************************	(
37	INSPECTIONS			10,000	5,000	15,000
38	WIRELINE SERVICES					
39	ENGINEERING & GEO	LOGY - FIELD				(
40	ENGINEERING & GEO			25,000		25,000
41	MULTISHOT & GYRO					(
42	RE-ENTRY SERVICES					
43	CAMPS & TRAILERS			15,000	15,000	30,000
44	SAFETY EQUIPMENT	& H2S		20,000	5,000	25,000
45	CONTINGENCY					
46	INSURANCE			10,000	2,000	12,000
47	MISCELLANEOUS			10,000	10,000	20,000
49	SIM-OPS					(
	TOTAL INTANGIBLE			\$ 2,982,000	\$ 6,595,000	\$ 9,577,000
- /		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTO	R		\$ 10,000		\$ 10,000
02	CASING - SURFACE			20,000		20,000
03	CASING - INTERMEDI	ATE		100,000		100,000
04	CASING - INTERMEDIA					
05	CASING - PRODUCTIO	And the part of the second of		410,000		410,000
06	SUBSURFACE EQUIP	MENT		50,000	25,000	75,000
07	PRODUCTION TUBINO				55,000	55,000
08	SUBSURFACE PUMPI					
09	WELLHEAD EQUIPME	NT		60,000		70,000
	FLOWLINES				100,000	100,000
11	SURFACE PUMPING E					
12	LINER HANGER & ASS	SOC EQUIP				
13	VALVES & FITTINGS				200,000	200,000
15	RODS					
17	TRUCKING			40,000	2,000	42,000
20	RE-ENTRY EQUIPMEN					
34	PRODUCTION EQUIP	MENT			600,000	600,000
47	MISCELLANEOUS			10,000	10.000	20,000
49	TANGIBLE EQUIP-ACC			20000000000	- united in some	
	TOTAL INTANGIBLE O	COSTS		\$ 700,000	\$ 1,002,000	\$ 1,702,000
	TOTAL INTENTOIDEL					

PREPARED BY:	Aaron Cattley	Senior Operations Engineer	DATE: 8/29/2019
OPERATOR APPROVAL;	and and	VP - Operations	DATE: 8/29/2019
OPERATOR APPROVAL:	- Clif		DATE: 8/20/2019
	1 (
PARTNER COMPANY NAME:			
PARTNER APPROVAL:			DATE:
TITLE:			

3,682,000 \$

7,597,000 \$

11,279,000



NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1001 West Washin, Bulle 206 Oklahoma City, Oklahoma 23116 405-286-4381

OTTOM ROJEC AGCT.	AL LOCATION CE LOCATION M-HOLE LOCATION CT DESCRIPTION	T23S, R28E, Sec 13 - T23S, R29E, Sec 18 T23S, R28E, Sec 14 NE/4 SW/4 T23S, R29E, Sec 18 SE/4 SE/4	FORMATION	Northern Delaware Third Bone Spring	DRILLING DAYS		
ROJEC ROJEC ROJEC ROJEC	M-HOLE LOCATION		PURMATION			9.550' / 19.550'	
ROJEC			COUNTY	Eddy County	DEPTH (TVD/TMO) STATE	9,550' / 19,550' New Mexico	
CODE		Drilling, completion, facilities and pipeline costs			SIMIE	New Mexico	
ODE		Similar and protection in the property of the					
		DESCRIPTION OF EXPENDITURE			COST ESTIMATE		
01		INTANGIBLE COSTS		DRILLING (300)	COMPLETION (500)		
An I	SURVEY/PERMITS/DA	MAGES/LEGAL		\$ 50,000		\$ 50,0	
	RIG MOVE			150,000		150,0	
David Street 198	DRILLING - FOOTAGE			50,000		150,0	
	DRILLING - DAYWORK			750,000		760.0	
	COMPLETION/WORK			and the second	60,000	60,0	
07	COIL TUBING/SNUBBI	NG UNIT			160,000	160,0	
	SLICKLINE/SWABBING			The control of the National			
	BITS			100,000	5,000	105,0	
	DIRECTIONAL SERVIC	ES		288,000		288,0	
	CASING CREW	PAIPAL		100,000	22.422	100,0	
	TOOL & EQUIPMENT F FUEL & POWER	ENIAL		50,000	80,000	130,0	
	DIESEL - BASE FOR M	un		204,000	200,000	404,0	
-	MUD LOGGING & GEO	Walter Company		25,000		100,0	
17017	DISPOSAL, RESTORA			150,000		150,0	
	TRUCKING	TOTAL DATA ILL		120,000	40,000	160,0	
	TESTING			140,000	10,000	100,1	
	CEMENTING			200,000		200,0	
	PERFORATING				358,000	358,	
	CASED HOLE LOGS						
22	DOWNHOLE TOOLS &	SERVICE			75,000	75,0	
	OTHER STIMULATION				120,000	120,0	
	FORMATION STIMULA	TION			4,000,000	4,000,0	
	CONSULTING SERVIC	ES			20,000	20,0	
	SUPERVISION			120,000	100,000	220,0	
	CONTRACT LABOR			5,000	20,000	25,0	
	OTHER LABOR COMPANY CONSULTIN	(C)(C)(C)			100,000	100,0	
	WATER	NG/SUP V		50,000	1,200,000	1.000.0	
	FLUIDS & CHEMICALS			200,000	1,200,000	1,250,0	
	CORING & ANALYSIS			200,000		200,0	
100000	COMMUNICATIONS			10,000	10,000	20,0	
	BOP TESTING			20,000	10,000	30,0	
36	FISHING TOOLS & SEE	VICES			- Initial discussion		
	INSPECTIONS			10,000	5,000	15,0	
	WIRELINE SERVICES				(4)		
	ENGINEERING & GEOL						
	ENGINEERING & GEOI	OGY - OFFICE		25,000		25,0	
	MULTISHOT & GYRO						
~~	RE-ENTRY SERVICES			45.000	45.000		
	CAMPS & TRAILERS SAFETY EQUIPMENT &	Line		15,000	15,000	30,0	
and the same of th	CONTINGENCY	i HZS		20,000	5,000	25,0	
	INSURANCE			10,000	2,000	12,0	
	MISCELLANEOUS			10,000	10,000	20,0	
	SIM-OPS			10,000	10,000	20,0	
	TOTAL INTANGIBLE C	OSTS		\$ 2,982,000	\$ 6,595,000	\$ 9,577,0	
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL	
	CASING - CONDUCTOR	!		\$ 10,000		\$ 10,0	
	CASING - SURFACE			20,000		20,0	
	CASING - INTERMEDIA			100,000		100,0	
	CASING - INTERMEDIA			7/2/29/00/00			
	CASING - PRODUCTIO			410,000		410,0	
	SUBSURFACE EQUIPM PRODUCTION TUBING	ENI		50,000	25,000	78,0	
	SUBSURFACE PUMPIN	G FOUIPMENT			55,000	55,0	
	WELLHEAD EQUIPMEN			60,000	10,000	70.0	
	FLOWLINES	·		05,500	100,000	100.0	
	SURFACE PUMPING E	QUIPMENT			100,000	190,0	
Contraction of the	LINER HANGER & ASS						
	VALVES & FITTINGS				200,000	200,0	
	RODS						
	TRUCKING			40,000	2,000	42.0	
and the face of the	RE-ENTRY EQUIPMEN						
	PRODUCTION EQUIPM	ENT			800,000	600,0	
	MISCELLANEOUS			10,000	10,000	20,0	
	TANGIBLE EQUIP-ACQ						
- '	TOTAL INTANGIBLE C	OSTS		\$ 700,000	\$ 1,002,000	5 1,702,0	
-	TOTAL ESTIMATED	WELL COST		\$ 3,682,000	\$ 7,597,000	\$ 11,279,00	

PREPARED BY: OPERATOR APPROVAL: OPERATOR APPROVAL:	Aaron Cattley	Beriler Operations Engineer VP - Operations CEO eccoo	DATE: 8/29/2019 DATE: 8/29/2019 DATE: 6/21/2019
PARTNER COMPANY NAME: PARTNER APPROVAL: TITLE:			DATE:



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
1001 West Wishire, Suite 206
Oklahoma Cay, Oklahoma 73116
405-286-4391

VELL N	NAME AL LOCATION	Ovation Fed Com 1318 136H	AFE TYPE	Development	AFE NUMBER	2015085
	CE LOCATION	T23S, R28E, Sec 13 - T23S, R29E, Sec 18 T23S, R28E, Sec 14 NE/4 SW/4	FIELD	Northern Delaware	DRILLING DAYS	27
	M-HOLE LOCATION	T23S, R29E, Sec 18 NE/4 SE/4	COUNTY	Third Bone Spring Eddy County	STATE	9,540' / 19,540' New Mexico
market desired in	CT DESCRIPTION	Drilling, completion, facilities and pipeline costs			, v. m.	THE PROPERTY OF
CCT.		DESCRIPTION OF EVORUSIVING				
ODE		DESCRIPTION OF EXPENDITURE INTANGIBLE COSTS		DRILLING (300)	COST ESTIMATE COMPLETION (500)	
01	SURVEY/PERMITS/DA			\$ 50,000	COM ELITOR (000)	\$ 50,0
02	LOCATION & ROAD			150,000		150,0
03	RIG MOVE			150,000		150,0
04	DRILLING - FOOTAGE			50,000		50,0
05	DRILLING - DAYWORK	A ST WAR TO THE REAL PROPERTY OF THE PARTY O		750,000		750,0
06	COMPLETION/WORK				60,000	60,0
07	COIL TUBING/SNUBBI				160,000	160,0
08	SLICKLINE/SWABBING			Man and	2222	
10	DIRECTIONAL SERVICE	22		100,000	5,000	105,0
11	CASING CREW	EG		288,000		288,0
12	TOOL & EQUIPMENT	PENTAL		50,000	80,000	100,0
13	FUEL & POWER	10.11110		204,000	200,000	404,0
14	DIESEL - BASE FOR M	UD		100,000	200,000	100,0
15	MUD LOGGING & GEO	White the same of		25,000		25,0
18	DISPOSAL, RESTORA			150,000		150,0
17	TRUCKING			120,000	40,000	160,0
18	TESTING					
19	CEMENTING			200,000		200,0
20	PERFORATING				358,000	358,0
21	CASED HOLE LOGS	OFFICE OF THE PROPERTY OF THE				
22	DOWNHOLE TOOLS &	SERVICE			75,000	75,0
23	OTHER STIMULATION	1011			120,000	120,0
24	FORMATION STIMULA				4,000,000	4,000,0
26	CONSULTING SERVIC SUPERVISION	E9		100 000	20,000	20,0
27	CONTRACT LABOR			120,000	100,000	220,0
28	OTHER LABOR			5,000	20,000	25,0
29	COMPANY CONSULTI	VG/SUPV			100,000	100.0
30	WATER	13/23/43		50,000	1,200,000	1,250,0
31	FLUIDS & CHEMICALS			200,000	1,200,000	200,0
32	CORING & ANALYSIS					2,00,0
33	COMMUNICATIONS			10,000	10,000	20,0
34	BOP TESTING			20,000	10,000	30,0
36	FISHING TOOLS & SEI	RVICES				
37	INSPECTIONS			10,000	5,000	15,0
38	WIRELINE SERVICES					
39	ENGINEERING & GEO					
40	ENGINEERING & GEO	.OGY - OFFICE		25,000		25,0
41	MULTISHOT & GYRO					
42	RE-ENTRY SERVICES				11 12 22 2	
43	CAMPS & TRAILERS SAFETY EQUIPMENT	Lac		15,000	15,000	30,0
45	CONTINGENCY	k H2S		20,000	5,000	25,0
	INSURANCE			10.000	0.000	40.0
	MISCELLANEOUS			10,000	2,000	12,0
	SIM-OPS			10,000	10,000	20.0
	TOTAL INTANGIBLE C	OSTS		\$ 2,982,000	\$ 6,595,000	\$ 9,577,0
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTO			\$ 10,000		\$ 10,00
	CASING - SURFACE			20,000		20,0
	CASING - INTERMEDIA	TE		100,000		100,0
04	CASING - INTERMEDIA					
05	CASING - PRODUCTIO			410,000		410,0
	SUBSURFACE EQUIPM			50,000	25,000	75,0
	PRODUCTION TUBING				55,000	55.0
	SUBSURFACE PUMPIN			77770(4884-	- 395 750 AV	
	WELLHEAD EQUIPMEN	11		60,000	10,000	70.0
10	FLOWLINES	OLIDMENT			100,000	100.0
	SURFACE PUMPING E LINER HANGER & ASS					
11	WINELL LIMINGER & 455	OO EQUIP.			200 000	000.0
11 12	VALVES & FITTINGS				200,000	200,0
11 12 13	VALVES & FITTINGS RODS			40,000	2,000	42,0
11 12 13 15	RODS			***************************************	6,000	~2,0
11 12 13 15		T-		The state of the s		
11 12 13 15 17 20	RODS TRUCKING					600.0
11 12 13 15 17 20 34	RODS TRUCKING RE-ENTRY EQUIPMEN			10,000	600,000 10,000	
11 12 13 15 17 20 34 47	RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPN	ENT			600,000	600,00 20,00
11 12 13 15 17 20 34 47 49	RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPN MISCELLANEOUS	ENT			600,000	20,0
11 12 13 15 17 20 34 47 49	RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPN MISCELLANEOUS TANGIBLE EQUIP-ACQ	ENT UISITIONS OSTS		10,000	600,000 10,000 \$ 1,002,000	20,0

PREPARED BY:	Aaron Cattley	Senior Operations Engineer	DATE: 8/29/2019
OPERATOR APPROVAL:	200	VP - Operations	DATE: 8/29/2019
OPERATOR APPROVAL:		CEO #600	DATE: 8/29/2019
		270	2 10
PARTNER COMPANY NAME:			
PARTNER APPROVAL:			DATE:
TITLE:			

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

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

District IV

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

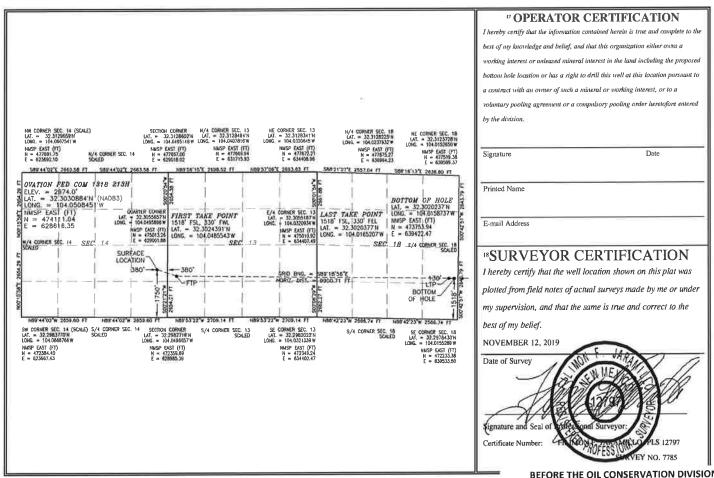
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 /	API Number	г		² Pool Cod	e		³ Pool Na	me				
⁴ Property C	Code				⁵ Property	Name			6 Well Number			
				O	VATION FEE		213H					
OGRID !	No.				⁸ Operator	Name			⁹ Elevation			
372920 NOVO OIL & GAS NORTHERN DELAWARE, LLC												
Surface Location												
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line Count		County		
1	14	23 S	28 E		1750	SOUTH	380	EAS	ST	EDDY		
		*	" B	ottom H	ole Location	If Different Fr	om Surface					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We:	st line	County		
I	I 18 23 S 29 E 1518 SOUTH 130 EA											
12 Dedicated Acre	s ¹³ Joint	or Infill	4 Consolidation	1 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.



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 # 20888 & 20889

Inten	t	As Dril	led											
API#														
NO	rator Nai VO OIL AWAR	& GAS 1	NORTHE	ERN		Property Name: OVATION FED COM 1318								Well Number 213H
Kick C	Off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet		From I	N/S	Feet		From	ı E/W	County	
Latitu	ıde				Longitu	ide							NAD	
First 1	Γake Poir	nt (FTP)									_			
UL L	Section 13	Township 23S	Range 28E	Lot	Feet 1518		From (Feet 330		From	n E/W ST	County	
I .	Latitude						5543						NAD 83	
Last T	ake Poin	t (LTP)			•									
UL	Section 18	Township 23S	Range 29E	Lot	Feet 1518		m N/S	Feet		From E		Count		
Latitu 32.3					Longitu 104.0	de		i k	1			NAD 83		
Is this	well the	defining v	vell for the	e Horiz	zontal Sp	oacin	g Unit?	· []				
ls this	well an i	infill well?		1]									
Spacir	l is yes pl ng Unit.	lease prov	ide API if a	availab	ole, Opei	ator	Name	and v	vell nu	umber	for [Definir	ng well fo	r Horizontal
API#														
Ope	rator Nar	me:				Pro	perty N	lame	•					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

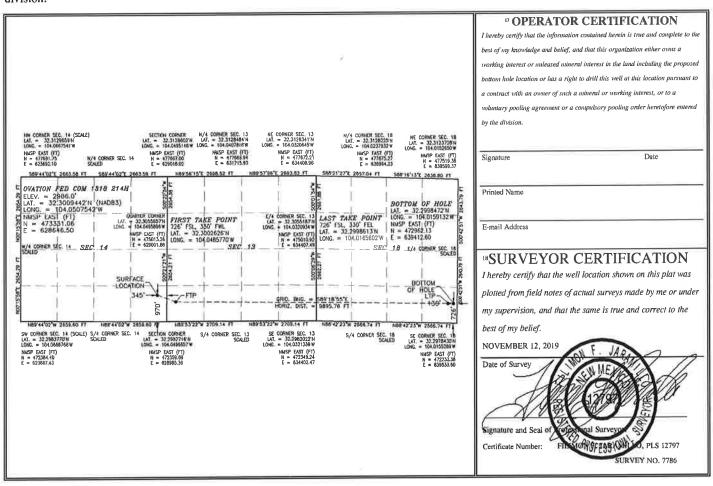
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 _I	API Number			² Pool Cod	le		³ Pool Na	me					
4 Property (Code				* Property	Name			6 Well Number				
				C	VATION FED	COM 1318			214H				
OGRID !	No.				* Operator		* Elevation						
37292	0		NOV	O OIL &	GAS NORTH	ERN DELAWA	RE, LLC		3	2986.0			
					" Surface	e Location							
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes					
P	14	23 S	28 E		970	SOUTH	345	EAS	ST	EDDY			
			" B	ottom H	ole Location	If Different Fr	om Surface						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	st line	County			
P	18	23 S	29 E		726 SOUTH 130 EAST								
² Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code					¹⁵ Order No.								



Inten		As Dril	led											
NO	erator Na VO OIL LAWAR	& GAS 1	 NORTHE	ERN		ı	perty (OM 1	318			Well Number 214H
Kick (Off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet		From	N/S	Feet		Fron	n E/W	County	-
Latit	ude			I	Longitu	ıde	1		1	*			NAD	
UL	Take Poir	Township	Range 28E	Lot	Feet		From I		Feet			n E/W	County	
M Latit	13 ude	23S	726 Longitu	ıde	SOU	TH	330		WE	ST	EDDY NAD			
32.3	300262	6			104.0	104.0485770 83							83	
Last 1	Take Poin	t (LTP)												
UL P	Section 18	Township 23S	Range 29E	Lot	Feet 726		m N/S OUTH	Feet 330		From		Count		
Latitu		l			Longitu	de		1	!			NAD 83		
		defining w	vell for the	e Horiz	zontal Sp	oacin	g Unit?	· []				
ls this	s well an i	infill well?]									
	ng Unit.	ease provi	de API if a	availab	le, Oper	ator	Name	and v	vell n	umber	for I	Definir	ng well fo	r Horizontal
Ope	rator Nar	me:				Pro	perty N	lame:						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 Numbe	r		² Pool Code		me						
4 Property	Code		_	0		* Well Number 216H						
'OGRID			NOV	OVO OIL & GAS NORTHERN DELAWARE, LLC OVO OIL & GAS NORTHERN DELAWARE, LLC								
					[∞] Surface	e Location						
UL or lot no. Section Township I 14 23 S		Range 28 E	Lot Idn	Feet from the 1750	North/South line SOUTH	Feet from the 400	East/West line EAST	County EDDY				
			" B	ottom He	ole Location	If Different Fr	om Surface					
				2 . 7 7	E C 41 -	North/Couth line	Feet from the	East/West line	County			

North/South line Lot Idn Feet from the Section Township Range UL or lot no. **EDDY NORTH** 130 **EAST** 23 S 29 E 2310 18 15 Order No. 12 Dedicated Acres 14 Consolidation Code 13 Joint or Infill

	"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
NW CORMER SEC. 14 (SCALE) SECTION CORMER SEC. 13 NC CORMER SEC. 13 NA 4 CORMER SEC. 18 NE CORMER SEC.	
HASP EAST (FT) HASP E	Signature Date
\$8874107'E 2663.58 FT \$8674102'Y 2663.58 FT H8956'15'Y 2696.52 FT H8957'06'Y 2693.63 FT \$8879'72'Y 2657.04 FT \$8816'15'Y 2658.80 FT	
OVATION FED COM 1818 216H	Printed Name
R ELEV. = 2974.0' J. LAT. = 32:303688'N (NADB3) R LONG. = 104.0599098'W LAT. = 32:3042001'N LAT. = 32:3042001'N	
MMSP EAS (F) GOWING COMMEN FIRST TAKE POINT (A. 53.056178) LAST TAKE POINT (A. 33.056178) LAST TAKE POINT (A. 33.0561788) LAST TAKE POINT (A. 33.05617888) LAST TAKE POINT (A. 33.0561788888) LAST TAKE POINT (A. 33.0561788888) LAST TAKE POINT (A.	E-mail Address
E = 628596.36 10NC - 10A04998989 2310 FSL 330 FWL 10NC - 10A0498989 2310 FSL 330 FWL 10NC - 10A049898 2310 FSL 330 FWL 10A04988 2310 FSL 330 FWL 10A0498 2310 FSL 330 FWL 10A04988 2310 FSL 330 FWL 10A04988 2310 FSL 330 FWL 10A0498 2310 F	E-Hatt Address
SCALO BUT - RECLESSE	*SURVEYOR CERTIFICATION
LOCATION FIP HORIZ DIST, - 6905.66 IT	
ADO' — 400' — BOTTOM OF HOLE O	I hereby certify that the well location shown on this plat was
	plotted from field notes of actual surveys made by me or under
71 - 2000 M	my supervision, and that the same is true and correct to the
16954102 W 2856.60 FT 16974102 W 2856.60 FT 1695522 W 2706.14 FT 1695523 W 2004.74 FT 16874235 W 2004.74 FT 16954255 W 2004.74 FT	best of my belief.
SW COMMER SEC. 14 (SCALE) S/4 CORNER SEC. 14 SECTION COMMER S/4 CORNER SEC. 13 SC CORNER SEC. 13 S/4 CORNER SEC. 18 LAT. = 32.79827181N SCALED LAT. = 32.798	NOVEMBER 12, 2019
NUSP (AST (FT) N = 472344.64 N = 472343.24 N = 472343.24	
E = 63655.36 E = 63655.36 E = 63655.36	Date of Survey
	TANA TANA TANA
	AAAAAA
	Signature and Seal of Front Sonal Surveyor
	Certificate Number: Financial Passachine, PLS 12797
	SURVEY NO. 7784

Intent	t	As Dril	led											
API#														
Ope	rator Nar	me:				Pro	perty N	lame						Well Number
	/O OIL .AWAR	& GAS N E, LLC	NORTHE	ERN		OVATION FED COM 1318 216H							216H	
	Off Point						ή <u> </u>	11/6	Γ		F	- F /\41	Country	
UL	Section	Township	Range	Lot	Feet		From I	N/S	Feet		From	i E/W	County	
Latitu	ıde				Longitu	ide							NAD	
First T	Гake Poin	nt (FTP)											•	
UL	Section	Township	Range	Lot	Feet		From 1	N/S	Feet		From	i E/W	County	
L	13	238	28E		2310		SOUT	ГН	330		WES	ST	EDDY	
						Longitude 104.0485316							NAD 83	
ast T UL I	Section	t (LTP) Township 23S	Range 29E	Lot	Feet 2310		om N/S	Feet		From I		Count		
Latitu	ıde				Longitu		4044					NAD		
32.3	304214	2			104.0	016	4811					83		
s this	s well the	defining v	vell for th	e Hori	zontal S _i	pacin	ıg Unitî	· []				
s this	well an	infill well?												
	ll is yes p ng Unit.	lease prov	ide API if	availak	ole, Ope	rator	Name	and v	vell n	umber	for I	Defini	ng well fo	or Horizontal
API#														
Ope	rator Nai	me:				Pro	perty N	Name	•					Well Number

District I
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District IV
1220 S, St. Francis Dr., Santa Fe, NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

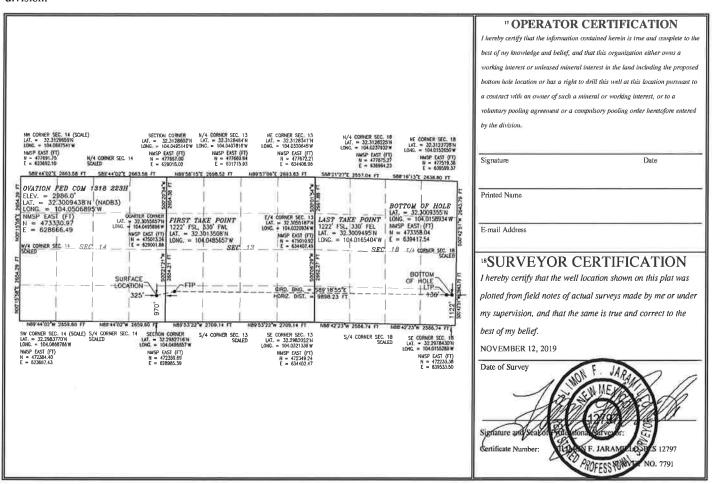
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 1	API Numbe	r		² Pool Code	e	³ Pool Name							
⁴ Property (6 Well Number											
			223Н										
'OGRID !			9 Elevation										
37292	2986.0												
" Surface Location													
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line County				
P	14	23 S	28 E		970	SOUTH	325	EA	ST	EDDY			
			» В	ottom Ho	ole Location	If Different Fr	om Surface			-			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wo	est line	County			
P	18	23 S	29 E 1122 SOUTH 130 EA		EA	ST	EDDY						
12 Dedicated Acre	s ¹³ Joint	or Infill 14 Co	onsolidatio	1 Code	15 Order No.								



Intent	t	As Dril	led												
API#															
NO\	rator Nar VO OIL AWAR	& GAS N	IORTHE	RN		Property Name: OVATION FED COM 1318								Well Number 223H	
Kick C	Off Point	(KOP)													
UL	Section	Township	Range	Lot	Feet From N/S Feet From E/W County						County				
Latitu	ıde				Longitu	ide					,		NAD		
First 1	Гаke Poir	nt (FTP)										4			
UL M	Section 13	Township 23S	Range 28E	Lot	Feet 1222					Feet 330		i E/W ST	County EDDY		
Latitu			202		Longitu 104.0								NAD 83		
Last T	āke Poin	t (LTP)			•										
UL P	Section 18	Township 23S	Range 29E	Lot	Feet 1222		om N/S OUTH	Feet 330		From EAS		Count			
Latitu					Longitu 104.0	ide						NAD 83			
ls this	s well the	defining v	vell for th	e Horiz	zontal S _l	pacin	ng Unitî	· []					
ls this	well an	infill well?]										
Spaci	ng Unit.	lease prov	ide API if	availak	ole, Ope	rator	Name	and v	well n	umbei	r for I	Defini	ng well fo	or Horizontal	
API#															
Ope	rator Na	me:				Pro	perty N	Name	•					Well Number	

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WELL LOCATION AND ACREAGE DEDICATION PLAT

1 A	PI Number			² Pool Cod	le	³ Pool Name							
⁴ Property C	ode				⁵ Property		⁶ Well Number						
				C	VATION FED		224H						
⁷ OGRID N	lo.				* Operator	Name ERN DELAWA]			9 Elevation				
372920		2986.0											
UL or lot no.	Section	Township	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County				
P	14	23 S	28 E		970	SOUTH	305	EAST	EDDY				
			" B	ottom H	ole Location	If Different Fr	om Surface						
UL or lot no.	Section	Township	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	est line County				
P	18	23 S	29 E		330	EDDY							
12 Dedicated Acres	s ¹³ Joint	or Infill	14 Consolidation	Code	15 Order No.								

	"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.
HW CORNER SEC. 14 (SCALE) SECTION CORNER N/4 CORNER SEC. 13 N/C CORNER SEC. 13 N/C CORNER SEC. 18 N/C CORNER	
NUSP EAST (IT) NUSP E	Signature Date
E = 62992.10 SOLID E = 62909.37 SEF 44'02'T 2693.56 IT H89'56'15'T 2898.52 IT H89'57'06'T 2693.63 IT SEF 14'02'T 2693.66 IT SEF 16'13'T 2693.60 IT	
E OVATION FED COM 1818 224H	Printed Name
R ELEV. = 2986.0' 3 LAT. = 32:3009434'N (NAOB3)	Transca rame
CONG. = 104.0506247W	
N = 4/3550.60 LDMC - 104.0468989 330 FSL, 350 FML LDMC, + 104.030931W 330 FSL, 350 FSL NMS - 527 (17) S E = 626686.49 MSF EST (27) LAT - 32.29917431 MSF ES	E-mail Address
9 H = 075015.34 LONG = 104.048588*W N = 075015.95 LONG = 104.0485789 W E = 0.57901.09 SEC. 13 E = 53407.49 SEC. 14 SEC. 15 E = 54407.49 SEC. 15	
	18SURVEYOR CERTIFICATION
SURFACE STATE	I hereby certify that the well location shown on this plat was
BOTTOM SE	plotted from field notes of actual surveys made by me or under
S FTP CON COURT TO THE LIP IN	my supervision, and that the same is true and correct to the
15067. 1057 2695.28 fT +36° + 156° + 171 169° + 172° + 1	
SW CORNER SEC, 14 (SCLE) S/4 CORNER SEC, 14 SECTION CORNER S/4 CORNER SEC, 13 SE CORNER SEC, 18 SE COR	best of my belief.
LONG, = 104.0568786W LONG, = 104.03153289W L	NOVEMBER 12, 2019
N = 472394.90' N = 472395.69' N = 47234.24 N = 47223.338' E = 628953.39 E = 63402.47 E = 63953.350	Date of Survey
	AND CHANGE OF THE CONTRACT OF
	Signature and Seal of Processing Surveyor
	Certificate Number: FILIMO 105388 PLS 12797
	SURVEY NO. 7789

Inten		As Dril	led												
NO'	erator Nai VO OIL LAWAR	& GAS N	NORTHE	ERN		Property Name: OVATION FED COM 1318								Well Number 224H	
Kick (Off Point	(KOP)													
UL	Section	Township	Range	Lot	Feet		From I	N/S	Feet		Fron	n E/W	County		
Latit	ude				Longitu	ıde							NAD		
First	Take Poir	nt (FTP)													
UL M	Section 13	Township 23S	Range 28E	Lot	Feet 330		From I		Feet 330		From	n E/W ST	County		
Latite	ude 299174	3			Longitu		5884						NAD 83		
Last 7	Гаке Poin	t (LTP)										- 11			
UL P	Section 18	Township 23S	Range 29E	Lot	Feet 330		om N/S OUTH	Feet 330		From		Count			
Latitu		I.	1202	,	Longitu 104.0	ıde		1000				NAD 83			
ls this	s well the	defining v	vell for the	e Horiz	zontal S _l	oacin	g Unit?	· [
Is this	s well an i	infill well?]										
Spaci	ng Unit.	lease provi	de API if a	availab	ile, Opei	rator	Name	and v	vell ni	umber	for [Definir	ng well fo	r Horizontal	
API#	ŀ														
Ope	rator Nar	ne:	II:			Pro	perty N	lame:	ĬĞ					Well Number	

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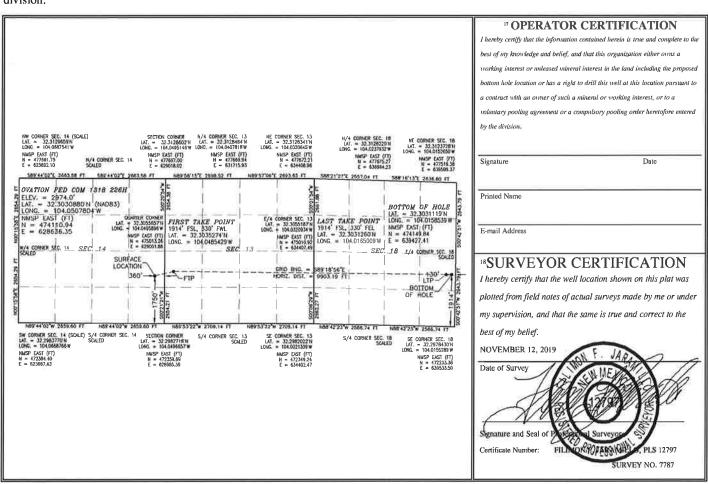
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number Pool Code Pool Name												
4 Property C	Code				5 Property		⁶ Well Number					
	OVATION FED COM 1318											
⁷ OGRID N		⁹ Elevation										
372920 NOVO OIL & GAS NORTHERN DELAWARE, LLC 2974.0												
* Surface Location												
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	East/West line County			
I	14	23 S	28 E		1750	SOUTH	360	EAS	ST	EDDY		
			" B	ottom Ho	ole Location	If Different Fr	om Surface					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County		
I	18	23 S	29 E		1914	SOUTH	130	EAS	ST	EDDY		
12 Dedicated Acres	3 Joint	or Infill 14 (Consolidatio	1 Code	¹⁵ Order No.							



ntent		As Drill	ed											
API#														
NO\	rator Nar /O OIL .AWARI	& GAS N	IORTHE	RN		Property Name: OVATION FED COM 1318								Well Number 226H
		(()												
UL C	Off Point ((KOP) Township	Range	Lot	Feet		From N	/S	Feet		From	E/W	County	
Latitude Longitude NAD														
First T	Γake Poin	it (FTP)			1							*		
UL L	Section 13	Township 23S	Range 28E	Lot	Feet 1914	1		Feet 330			From E/W County VEST EDDY			
Latitu 32.3					Longitu 104.0		5429						NAD 83	
Last T	ake Poin	t (LTP)												
UL I	Section 18	Township 23S	Range 29E	Lot	Feet 1914		om N/S OUTH	Feet		From EAS		Coun		
Latitu		I			Longitu 104.0		5009					NAD 83		
ls this	s well the	edefining v	vell for th	e Hori	zontal S _l	oacir	ng Unit?]				
ls this	s well an	infill well?]									
Spaci	ng Unit.	lease prov	ide API if	availal	ble, Ope	rator	^r Name	and v	well n	umbe	r for I	Defini	ng well f	or Horizontal
API#						L 5		la						Well Number
Ope	erator Na	me:				Pro	perty N	name	:					weii Number

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District IV

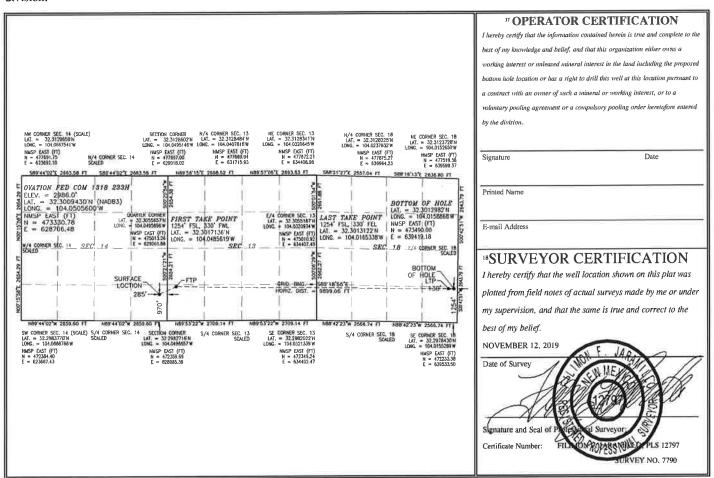
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WELL LOCATION AND ACREAGE DEDICATION PLAT

1 4	API Number	•		² Po	ol Code		³ Pool Name							
⁴ Property C	Code				5	Property N	Name			6 1	Well Number			
					OVATIO	N FED	COM 1318			233Н				
⁷ OGRID No. 8 Operator Name											⁹ Elevation			
372920 NOVO OIL & GAS NORTHERN DELAWARE, LLC										2986.0				
UL or lot no.	Section	Townsh	ip Ra	ange Lot	Idn Feet fro	om the	North/South line	Feet from the	East/We	st line	County			
P	14	23 S	28	3 E	97	70	SOUTH	285	EAS	ST	EDDY			
				" Botton	n Hole Loc	cation	If Different Fro	om Surface						
UL or lot no.	Section	Townsh	ip Ra	inge Lot	Idn Feet fr	om the	North/South line	Feet from the	East/We	st line	County			
P	18	23 S	29) E	12	1254 SOUTH 130 EAS					EDDY			
12 Dedicated Acre	s ¹³ Joint	or Infill	14 Consol	lidation Code		¹⁵ Order No.								
					(a)									



Inten	-	As Dri	lled											
Operator Name: NOVO OIL & GAS NORTHERN DELAWARE, LLC Property Name: OVATION FED COM 1318								Well Number 233H						
Kick (Off Point	(KOP)												
UL	UL Section Township Range Lot Feet				Feet	From N/S Fe		Feet	t From E/W		County			
Latitu	ıde			I	Longitu	ude			1		ļ,		NAD	
	Γake Poir				ľ									
UL M	Section 13	Township 23S	Range 28E	Lot	Feet 1254		From I		Feet 330		Fron WE	n E/W ST	County EDDY	
Latitu	_{ide} 301713	6			Longitu		5619						NAD 83	
UL	ake Poin	Township	Range	Lot	Feet		m N/S	Feet		From		Count		
P Latitu	18 ide	23S	29E		1254 Longitu		UTH	330		EAS		EDD [®]	Y	
32.3	301312	2			104.0	016	5338					83		
Is this	Is this well the defining well for the Horizontal Spacing Unit?													
ls this	Is this well an infill well?													
	l is yes pl	lease provi	ide API if a	availak	ole, Opei	rator	Name	and v	vell nu	umber	for [Definir	ng well fo	r Horizontal
	under 81					P.		I = 2						MACHIBLE I
Opei	rator Nar	ne:				Pro	perty N	iame:						Well Number

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■ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 /	г		² Pool Code ³ Pool Name								
¹ Property Code				⁵ Property Name						6 Well Number	
				0	VATION FEI	234Н					
OGRID !	No.				⁸ Operator	Name			⁹ Elevation		
37292		NOV	O OIL &	GAS NORTH	ERN DELAWA	RE, LLC		2986.0			
			01		¹⁰ Surface	e Location					
UL or lot no.	Section	Township Range Lot Idn Feet from the North/South line Feet from the East/We					est line	County			
P	14	23 S	28 E		970	SOUTH	265	EA	ST	EDDY	
			" В	ottom H	ole Location	If Different Fr	om Surface				
UL or lot no. Section Township Range Lot Idn					Feet from the	North/South line	Feet from the	East/West line		County	
P	18	23 S	29 E		330 SOUTH 130 EAST					EDDY	
12 Dedicated Acres 13 Joint or Infill 14 Co			4 Consolidation	1 Code	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.

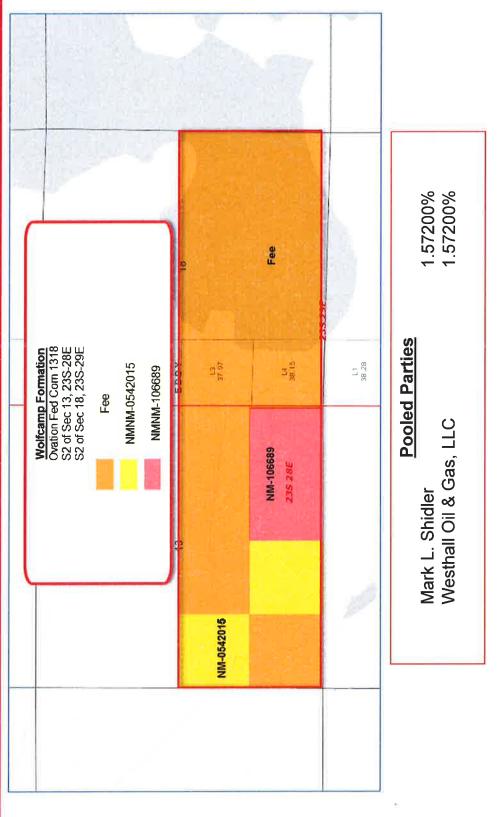
	17 OPERATOR CERTIFICATION 1 hereby certify that the information contained herein is true and complete to the
	best of my knowledge and belief, and that this organization either owns a
	working interest or unleased mineral interest in the land including the proposed
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	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
NW CORNER SEC. 14 (SCALE) SECTION CORNER N/4 CONNER SEC. 13 NE CORNER SEC. 18 N/4 CORNER SEC. 18 N/4 CORNER SEC. 18	by the division.
LAT. = 32.3139557N LAT. = 32.3128607N LAT. = 32.3128604N LAT. = 32.3128644N LAT. = 32.3128241N LAT. = 32.31282279 LAT. = 32.312827279 LAT. = 32.312827279 LAT. = 32.312372791 LAT. = 32.312372791	
NuSP EAST (77) NuSP E	Signature Date
309/41021 2663.58 FT 589/41021 2663.58 FT 180756/157 2866.52 FT 180757/061 2003.63 FT 58071271 2657.04 FT 58076/137 2058.00 FT	
OVATION PED COM 1318 234H	Printed Name
RELEV. = 2986.0° 97 98 97 98 97 98 98 98 98 98 98 98 98 98 98 98 98 98	Times Name
MMSP EAST (FT) OWENT COMEN COMEN FIRST TAKE POINT FA COMEN SEC. 13 LAST TAKE POINT 10NG. = 104.01593330W 100.01593330W 100.0159330W 100.015930W 100.0	
E = 628726.48 IDNC. + 104.046986W 330' FSL, 350' FWL (696, + 104.02903WW 330' FSL, 350' FWL NMSF EST GT] LAT. = 32.2987730' N NMSF EST GT] LAT	E-mail Address
## - 37501.52 LONG. = 104.0165789 W E = 539407.66 8 W/A CORRER SEC. 14 SEC. 14 E = 252001.88 SEC. 13 E = 834407.40 SEC. 18 E = 554407.66 SEC. 15 E = 554407.66 SEC. 18 E = 55	
SOLE SOLE	18SURVEYOR CERTIFICATION
SURFACE SIN SURFACE	I hereby certify that the well location shown on this plat was
LOCTION SE	plotted from field notes of actual surveys made by me or under
P FTP DRID DUC - CRESTOCK OF HOLE	my supervision, and that the same is true and correct to the
140012, 057, = 9893,28 FT +30° 369,60 FQ 160°5322 2709,14 FT 160°5	
SW CONNER SEC. 14 (SOLLE) S/A CORNER SEC. 14 SECTION CONNER SEC. 15 SE CONNER SEC. 1	best of my belief.
LONG. = 104.0221339 W	NOVEMBER 12, 2019
N = 4723440' N = 472349.65' N = 472349.24 N = 472343.65 E = 628955.39 E = 634407.47 E = 63953.50	Date of Survey
	AND CARINER VY
	- AND AND VEY
	Signature and Seal of Constant Surveyor
	Certificate Number: FIRMONOFIAS (OM) PLS 12797
	SURVEY NO. 7791

Inten		As Dril	led											
	rator Nai	me: & GAS N	JORTHE	-RN			perty N			 ЭМ 1	318			Well Number 234H
	AWAR		· ·	-1 (1)			, (1101		J 0.		010			20 111
Kick (Off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet		From N	I/S	Feet		From	n E/W	County	
Latitu	ıde				Longitu	ide			I				NAD	
First T	ake Poin	it (FTP)												
UL M	Section 13	Township 23S	Range 28E	Lot	Feet 330		From N SOUT		Feet 330		From	s E/W ST	County EDDY	
Latitu	ode 299174	3			Longitu 104.0		5884						NAD 83	
Last T	ake Poin	t (LTP)												
UL P	Section 18	Township 23S	Range 29E	Lot	Feet 330		m N/S OUTH	Feet 330		From EAS		Count EDD		
Latitu 32.2	de 298773	0			Longitu 104.0		5799					NAD 83		
s this	well the	defining v	vell for the	e Horiz	ontal S _i	oacin	g Unit?]				
Is this well an infill well?														
	l is yes pl ng Unit.	lease prov	ide API if a	availab	ile, Opei	rator	Name	and v	vell nı	umber	for l	Definir	ng well fo	r Horizontal
API#														
Ope	rator Nar	ne:	1			Pro	perty N	lame	;					Well Number

KZ 06/29/2018



Ovation Fed Com 1318 Wells - Wolfcamp wells



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 # 20888 & 20889

Summary of Interest

Ovation Fed Com 1318

S2 of Section, Township 23 South, Range 28 East S2 of Section, Township 23 South, Range 29 East

Wolfcamp Formation

636.12-acre spacing

91.82600%

%00958.96

3.14400%

Uncommitted Working Interest:

Novo Oil & Gas Northern Delaware, LLC

Committed Working Interest:

Mark L. Shidler

Westhall Oil & Gas, LLC

1.5720% 1.5720%

Unleased Mineral Interest: None

Ovation Fed Com 1318 S2

Name	Street	City	State	Zip
Section 13 ORRI				
Don Paage Royalties	550 West Texas Ave, Suite 800	Midland	¥	79701
Robert H. Northington	15250 Prestonwood Blvd, 263	Dallas	논	75248-4791
H. P. McLish	1520 W Canal Ct, Suite 250	Littleton	8	80120
Chase Hicks	111 Stoney Creek Lane	Terrell	¥	75160-5140
John Thomas	10117 Estate Lane	Dallas	ĭ	75238-2134
The Allar Co.	PO Box 1567	Graham	¥	76450
Talus, Inc.	PO Box 1210	Graham	ĭ	76450
Twin Montana, Inc.	PO Box 1210	Graham	¥	76450



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

Ovation Fed Com 13/18 Wolfcamp Working Interest Unit Re:

S/2 of Section 13, Township 23 South, Range 28 East S/2 of Section 18, Township 23 South, Range 29 East

Eddy County, New Mexico 634.72-acre Working Interest Unit

Proposed Wells

Ovation Fed Com 1318 216H

Ovation Fed Com 1318 213H

Ovation Fed Com 1318 214H

Ovation Fed Com 1318 226H

Ovation Fed Com 1318 223H

Ovation Fed Com 1318 224H

Ovation Fed Com 1318 236H

Ovation Fed Com 1318 233H

Ovation Fed Com 1318 234H

Ladies and Gentlemen:

Novo Oil & Gas Northern Delaware, LLC ("Novo") as Operator hereby proposes to form a 634.72-acre Working Interest Unit covering the S/2 of Section 13, Township 23 South, Range 28 East, and the S/2 of Section 18, Township 23 South, Range 29 East, Eddy County, New Mexico.

Further, in connection with the formation of the Ovation Fed Com 13/18 Wolfcamp Working Interest Unit, as described above, Novo hereby proposes the drilling of nine (9) horizontal wells, 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 Well - Ovation Fed Com 1318 216H

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

First take point: 2,310' FSL, 330' FEL of Section 13, Township 23 South, Range 28 East

Last take point: 2,310' FSL, 330' FEL of Section 18, Township 23 South, Range 29 East

Hearing Date: November 14, 2019 Case # 20888 & 20889

BHL: NE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,680' feet subsurface to evaluate the Wolfcamp XY formation. The proposed well will have measured depth (MD) of approximately 19,680' feet

Proposed Well - Ovation Fed Com 1318 213H

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

First take point: 1,518' FSL, 330' FEL of Section 13, Township 23 South, Range 28 East Last take point: 1,518' FSL, 330' FEL of Section 18, Township 23 South, Range 29 East

BHL: NE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,680' feet subsurface to evaluate the Wolfcamp XY formation. The proposed well will have measured depth (MD) of approximately 19,680' feet

Proposed Well - Ovation Fed Com 1318 214H

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

First take point: 726' FSL, 330' FEL of Section 13, Township 23 South, Range 28 East Last take point: 726' FSL, 330' FEL of Section 18, Township 23 South, Range 29 East

BHL: SE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,680' feet subsurface to evaluate the Wolfcamp XY formation. The proposed well will have measured depth (MD) of approximately 19,680' feet.

Proposed Well - Ovation Fed Com 1318 226H

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

First take point: 1,914' FSL, 330' FEL of Section 13, Township 23 South, Range 28 East Last take point: 1,914' FSL, 330' FEL of Section 18, Township 23 South, Range 29 East

BHL: NE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-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 19,905' feet.

Proposed Well - Ovation Fed Com 1318 223H

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

First take point: 1,222' FSL, 330' FEL of Section 13, Township 23 South, Range 28 East Last take point: 1,222' FSL, 330' FEL of Section 18, Township 23 South, Range 29 East

BHL: SE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-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 19,910' feet.

Proposed Well - Ovation Fed Com 1318 224H

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

First take point: 330' FSL, 330' FEL of Section 13, Township 23 South, Range 28 East Last take point: 330' FSL, 330' FEL of Section 18, Township 23 South, Range 29 East

BHL: SE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-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 19,910' feet.

Proposed Well - Ovation Fed Com 1318 236H

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

First take point: 2,178' FSL, 330' FEL of Section 13, Township 23 South, Range 28 East Last take point: 2,178' FSL, 330' FEL of Section 18, Township 23 South, Range 29 East

BHL: NE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,560' feet subsurface to evaluate the Wolfcamp B formation. The proposed well will have measured depth (MD) of approximately 20,560' feet.

Proposed Well - Ovation Fed Com 1318 233H

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

First take point: 1,254' FSL, 330' FEL of Section 13, Township 23 South, Range 28 East Last take point: 1,254' FSL, 330' FEL of Section 18, Township 23 South, Range 29 East

BHL: SE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,570' feet subsurface to evaluate the Wolfcamp B formation. The proposed well will have measured depth (MD) of approximately 20,570' feet.

Proposed Well - Ovation Fed Com 1318 234H

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

First take point: 330' FSL, 330' FEL of Section 13, Township 23 South, Range 28 East Last take point: 330' FSL, 330' FEL of Section 18, Township 23 South, Range 29 East

BHL: SE/4SE/4 of Section 18, Township 23 South, Range 29 East

The S/2 of Section 13 and the S/2 of Section 18 will be dedicated to the well as its 634.72-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,575' feet subsurface to evaluate the Wolfcamp B formation. The proposed well will have measured depth (MD) of approximately 20,575' 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 jearter@novoog.com.

Sincerely,

Novo Qil & Gas Northern Delaware, LLC

Justin Carter Landman

Not to participate in the Ovation Fed Com 1318 216H.
Participate in the Ovation Fed Com 1318 216H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 213H.
Participate in the Ovation Fed Com 1318 213H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 214H.
Participate in the Ovation Fed Com 1318 214H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 226H.
Participate in the Ovation Fed Com 1318 226H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 223H.
Participate in the Ovation Fed Com 1318 223H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 224H.
Participate in the Ovation Fed Com 1318 224H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 236H.
Participate in the Ovation Fed Com 1318 236H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 233H.
Participate in the Ovation Fed Com 1318 233H for its Proportionate share of costs.
Not to participate in the Ovation Fed Com 1318 234H.
Participate in the Ovation Fed Com 1318 234H for its Proportionate share of costs.

ву:	
Printed Name:	
Title:	
Date:	
Contact Number:	

Ovation Fed Com 1318 Wolfcamp Working Interest Unit

Ovation Fed Com 1318 216H, 213H, 214H Ovation Fed Com 1318 226H, 223H, 224H Ovation Fed Com 1318 236H, 233H, 234H

Mark L. Shidler 1010 Lamar, Suite 500 Houston, TX 77002

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

Regeneration Energy, Co. 2308 Sierra Vista Rd Artesia, NM 88210

The Allar Co. 735 Elm Street Graham, TX 76450



NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1001 West Weslans, Burs 206 Olshoms (Bt), Oklahoms 73118 405-286-4391

	NAME AL LOCATION	Ovalion Fed Com 1318 213H T23S, R28E, Sec 13 - T23S, R29E, Sec 18	FIELD	Development Northern Delaware	AFE NUMBER DRILLING DAYS	2015098
	CE LOCATION	T23S, R28E, Sec 14 SE/4 SW/4	FORMATION	Wolfcamp XY	DEPTH (TVD/TMD)	9,680' / 19,680'
	M-HOLE LOCATION	T23S, R29E, Sec 18 NE/4 SE/4	COUNTY	Eddy County	STATE	New Mexico
ROJE	CT DESCRIPTION	Drilling, completion, facilities and pipeline costs	for 9,000' horizonte	i weil.	120012	INDA MOVIED
OOY						
ODE		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
01	SURVEY/PERMITS/DA	MAGESHEGAL		DRILLING (300)	COMPLETION (500)	
02	LOCATION & ROAD	MAGEOREGAE		\$ 50,000 150,000		3 5
03	RIG MOVE			150,000		15
04	DRILLING - FOOTAGE			50,000		5
05	DRILLING - DAYWORK			854,000		85
06	COMPLETION/WORKO	OVER RIG			80,000	- 6
07	COIL TUBING/SNUBBI				180,000	16
06	SLICKLINE/SWABBING					
09	BITS			150,000		15
10	DIRECTIONAL SERVIC	ES		240.000		24
11	CASING CREW	APATE I		100,000		10
12	TOOL & EQUIPMENT F	CENTAL		80,000		13
14	DIESEL - BASE FOR M	UD		204,000		40
16	MUD LOGGING & GEO			100,000		10
16	DISPOSAL, RESTORA			24,000		2
17	TRUCKING	TOWARD ST. ST. CO. CO. CO.		150,000	40.000	15
18	TESTING			120,000	40,000	16
19	CEMENTING			200,000		20
20	PERFORATING			6300,000	368,000	35
21	CASED HOLE LOGS				550,500	30
22	DOWNHOLE TOOLS &	SERVICE			75,000	7
23	OTHER STIMULATION				120,000	12
	FORMATION STIMULA				4,000,000	4,00
	CONSULTING SERVICE	ES			20,000	2
	SUPERVISION			120,000	100,000	22
	OTHER LABOR			5,000	20,000	2
	COMPANY CONSULTIN	lover inv			100,000	100
	WATER	IOIBUPY				
	FLUIDS & CHEMICALS			50,000	1,200,000	1,25
	CORING & ANALYSIS			200,000		200
	COMMUNICATIONS			10,000	10,000	
	BOP TESTING			20,000	10,000	20
	FISHING TOOLS & SER	VICES		20,000	10,000	30
37	INSPECTIONS			10,000	5,000	18
	WIRELINE SERVICES				0,000	- 10
39	ENGINEERING & GEOL	OGY - FIELD				
	ENGINEERING & GEOL	OGY - OFFICE		15,000		18
	MULTISHOT & GYRO					
	RE-ENTRY SERVICES					
	CAMPS & TRAILERS			15,000	15,000	30
44	SAFETY EQUIPMENT &	H2S		10,000	5,000	16
	CONTINGENCY INSURANCE					
	MISCELLANEOUS			10,000	2,000	12
	SIM-OPS	A TO THE WAY OF THE PARTY OF TH		10,000	10,000	20
	TOTAL INTANGIBLE CO	2515		\$ 3.067.000		
		TANGIBLE COSTS		\$ 3,067,000 DRILLING (400)	\$ 6,595,000	THE RESERVE OF THE PERSON NAMED IN
11 (CASING - CONDUCTOR			\$ 10,000	COMPLETION (600)	TOTAL
	CASING - SURFACE			20,000		\$ 10
03 (CASING - INTERMEDIA			86,000		86
04 (CASING - INTERMEDIA	TE 2		305,000		305
	CASING - PRODUCTION			545,000		545
	SUBSURFACE EQUIPM	ENT		50,000	25,000	78
	PRODUCTION TUBING				55,000	58
	SUBSURFACE PUMPIN					
	WELLHEAD EQUIPMEN			80,000	10,000	70
	FLOWLINES	VIIGNENT			100,000	100
	SURFACE PUMPING EC LINER HANGER & ASSO					
	VALVES & FITTINGS	OV CAUT				
	RODS				200,000	200
	TRUCKING			10.011	2.00	
	RE-ENTRY EQUIPMENT			40,000	2,000	42
	PRODUCTION EQUIPME				000.00	- 1
	MISCELLANEOUS	MV		10,000	800,000	600
	TANGIBLE EQUIP-ACQU	ISITIONS		10,000	10,000	20
-	TOTAL INTANGIBLE CO			\$ 1,126,000	\$ 1,002,000	\$ 2,127
-	TOTAL ESTIMATED	NELL COOK				
	O INL ED IIMA I ED I	WELL GOST		\$ 4,182,000	3 7,597,000 i	\$ 11,789,6

PREPARED BY:	Aaron Cattley	Senior Operations Engineer	DATE: 8/29/2019
OPERATOR APPROVAL:	308	VP - Operations	DATE: 8/29/2019
OPERATOR APPROVAL:	117	CEO CEO	DATE: 8/20/2019
		40	
PARTIES COMPANY NAME	, ,		
PARTNER COMPANY NAME:			
PARTNER APPROVAL:			DATE:
TITLE:			



NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1001 West Windows. Busin 200 Olshome Oily, Olshomer 73116 405-204-319

WELLN	AME	Ovation Fed Com 1318 214H		Development		2015099
LATERA	AL LOCATION	T23S, R28E, Sec 13 - T23S, R29E, Sec 18		Northern Delaware		0.550/ / 10.580/
of the latest spinster, where the latest spinster, which is the la	CE LOCATION	T23S, R28E, Sec 14 SE/4 SW/4		Wolfcamp XY Eddy County		9,680' / 19,680' New Mexico
	M-HOLE LOCATION	T23S, R29E, Sec 18 SE/4 SE/4 Drilling, completion, facilities and pipeline costs for	9,900' horizontal		IN COLUMN	Tatt World
PROJEC	CT DESCRIPTION	brianny, sompresson, rausines and pipeline costs for	The state of the s	AND THE STREET		
ACCT.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
CODE		INTANGIBLE COSTS		DRILLING (300)	COMPLETION (600)	£ 75.000
01	SURVEY/PERMITS/DAM	AGES/LEGAL		\$ 50,000		8 50,000 150,000
	LOCATION & ROAD			180,000		150,000
	ORILLING FOOTAGE			50,000		50,000
	DRILLING - FOOTAGE DRILLING - DAYWORK			864,000		854,000
	COMPLETION/WORKOV	ER RIG			00,000	80,000
07	COIL TUBING/SNUBBING				180,000	160,000
08	SLICKLINE/SWABBING				7 000	155,000
	BITS	0		150,000 240,000	5,000	155,000 240,000
	DIRECTIONAL SERVICE	3		100,000		100,000
	CASING CREW TOOL & EQUIPMENT RE	NTAL		50,000	80,000	130,000
	FUEL & POWER			204,000	200,000	404,000
	DIESEL - BASE FOR MU	D		100,000		100,000
16	MUD LOGGING & GEOL	OGIST		24,000		24,000
	DISPOSAL, RESTORATI	ON & BACKFILL		150,000	40.000	150,000
	TRUCKING			120,000	40,000	180,000
	TESTING			200,000		200,000
19	CEMENTING PERFORATING			200,000	358,000	358,000
20	CASED HOLE LOGS					.0
22	DOWNHOLE TOOLS & S	BERVICE			75,000	75,000
23	OTHER STIMULATION				120,000	120,000
24	FORMATION STIMULATI				4,000,000	4.000,000 20,000
25	CONSULTING SERVICE	5		120,000	100,000	20,000
26	CONTRACT LABOR			5,000	20,000	25,000
27	OTHER LABOR			0,000	100,000	100,000
28	COMPANY CONSULTING	3/SUPV				0
30	WATER			60,000	1,200,000	1,250,000
31	FLUIDS & CHEMICALS			200,000		200,000
32	CORING & ANALYSIS			(4.500	10,000	20,000
33	COMMUNICATIONS			10,000	10,000	30,000
34	BOP TESTING	VICES		20,000	10,000	00,000
36	INSPECTIONS	YINGU		10,000	5,000	15,000
38	WIRELINE SERVICES					0
39	ENGINEERING & GEOL					0
40	ENGINEERING & GEOL			16,000		15,000
41	MULTISHOT & GYRO					0
42	RE-ENTRY SERVICES			15,000	16,000	30,000
43	SAFETY EQUIPMENT &	H2S		10,000		16,000
45	CONTINGENCY					0
46	INSURANCE			10,000		12,000
47	MISCELLANEOUS			10,000	10,000	20,000
49	SIM-OPS	1070		\$ 3,057,000	\$ 6,595,000	\$ 9,662,000
	TOTAL INTANGIBLE CO	TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR			S 10,000		s 10,000
01	CASING - SURFACE			20,000		20,000
03	CASING - INTERMEDIA	TE		85,000		85,000
04	CASING - INTERMEDIAT	TÉ 2		305,000		305,000
				546,000		545,000
05	CASING - PRODUCTION					
05 06	CASING - PRODUCTION SUBSURFACE EQUIPM			50,000	25,000	78,000
05 06 07	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING	ENT				78,000 58,000
05 06 07 08	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN	ENT G EQUIPMENT			25,000 55,000	75,000 58,000 0
05 06 07 08 09	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING	ENT G EQUIPMENT		50,000	25,000 55,000	78,000 58,000 0 70,000 100,000
05 06 07 08	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN	ENT G EQUIPMENT T		50,000	28,000 55,000 10,000	78,000 58,000 0 70,000 100,000
05 06 07 08 09 10 11	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING ECLINER HANGER & ASSOCIATION SUBSURFACE PUMPING ECLINER PUMPING ECLINER HANGER & ASSOCIATION SUBSURFACE PUMPING ECLINER HANGER PUMPING ECLINER HANG	ENT G EQUIPMENT IT JUIPMENT		50,000	28,000 65,000 10,000 100,000	75,000 55,000 0 70,000 100,000
05 06 07 08 09 10 11 12 13	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING ECLINER HANGER & ASSOVALVES & FITTINGS	ENT G EQUIPMENT IT JUIPMENT		50,000	28,000 55,000 10,000	78,000 58,000 0 70,000 100,000 0 0 200,000
05 06 07 08 09 10 11 12 13	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING ECLINER HANGER & ASSC VALVES & FITTINGS RODS	ENT G EQUIPMENT IT JUIPMENT		80,000	28,000 65,000 10,000 100,000	78,000 58,000 0 70,000 100,000 0 200,000
05 06 07 08 09 10 11 12 13 15	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING ECLINER HANGER & ASSOVALVES & FITTINGS RODS TRUCKING	ENT G EQUIPMENT IT DUIPMENT DC EQUIP		50,000	28,000 65,000 10,000 100,000	78,000 58,000 70,000 100,000 0 0 200,000 42,000
05 06 07 08 09 10 11 12 13 15 17 20	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING ECLINER HANGER & ASSOCIATION SOODS TRUCKING RE-ENTRY EQUIPMENT	ENT G EQUIPMENT IT DUIPMENT DC EQUIP		80,000	28,000 65,000 10,000 100,000	75,000 55,000 0 70,000 100,000 0 200,000 0 42,000
05 06 07 08 09 10 11 12 13 15 17 20 34	GASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING ECLINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM	ENT G EQUIPMENT IT DUIPMENT DC EQUIP		80,000	28,000 65,000 10,000 100,000 200,000 2,000 800,000	76,000 55,000 70,000 100,000 0 0 0 200,000 42,000 0 600,000
05 06 07 08 09 10 11 12 13 15 17 20	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING ECLINER HANGER & ASSOCIATION SOODS TRUCKING RE-ENTRY EQUIPMENT	ENT G EQUIPMENT IT CUIPMENT DC EQUIP		\$0,000 80,000 40,000	28,000 65,000 10,000 100,000 200,000 2,000 800,000 10,000	75,000 55,000 0 70,000 100,000 0 200,000 42,000 600,000 20,000
05 06 07 08 09 10 11 12 13 15 17 20 34	GASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING ECLINER HANGER & ASSOVALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS	ENT G EQUIPMENT IT DUIPMENT DC EQUIP T ENT UISITIONS		\$0,000 80,000 40,000	28,000 65,000 10,000 100,000 200,000 2,000 800,000 10,000	75,000 55,000 0 70,000 100,000 0 0 200,000 0 42,000 600,000
05 06 07 08 09 10 11 12 13 18 17 20 34	CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING ECLINER HANGER & ASSOCIATION OF TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT TANGIBLE EQUIP-ACQUI	ENT G EQUIPMENT T DUIPMENT DC EQUIP T ENT UISITIONS DSTS		\$0,000 80,000 40,000	28,000 65,000 10,000 100,000 200,000 2,000 800,000 10,000	75,000 55,000 0 70,000 100,000 0 200,000 0 42,000 0 800,000 20,000 5 2,127,000

PREPARED BY:	Agron Cattley 5	nitr Operations Engineer DATE:	8/29/2019
OPERATOR APPROVAL:	ASS NOW	Operations DATE:	
OPERATOR APPROVAL:		DATE;	8/20/2019
PARTNER COMPANY NAME:			
PARTNER APPROVAL:		DATE:	
TITLE:			



NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1001 Weel Weisher, Suite 200 Olahhoms (dly, Oklahoms 73116 405-2864-4391

WELL		Ovation Fed Com 1318 216H	AFE TYPE	Development	AFE NUMBER	2015097
	AL LOCATION	T23S, R28E, Sec 13 - T23S, R29E, Sec 18	FIELD	Northern Delaware	DRILLING DAYS	32
	CE LOCATION	T23S, R28E, Sec 14 SE/4 SW/4	FORMATION		DEPTH (TVD/TMD)	9,680' / 19,680'
	M-HOLE LOCATION CT DESCRIPTION	T23S, R29E, Sec 18 NE/4 SE/4	COUNTY	Eddy County	STATE	Naw Maxico
PROJE	JI DESCRIPTION	Drilling, completion, facilities and pipeline costs for	9,900' horizontal	/well.		
ACCT.		DESCRIPTION OF EXPENDITURE		Т	COLVERTIMATE	
CODE		INTANGIBLE COSTS		DRILLING (300)	COST ESTIMATE	
	SURVEY/PERMITS/DAMA			\$ 50,000	COMPLETION (500)	
	LOCATION & ROAD	No in the latest the		150,000		\$ 50,00 150,00
	RIG MOVE			150,000		
	DRILLING - FOOTAGE			50,000		150,00
-	DRILLING - DAYWORK			854.000		60,00 854,00
	COMPLETION/WORKOVI	ER RIG		557,555	80,000	
	COIL TUBING/SNUBBING				180,000	
	SLICKLINE/SWABBING				140,000	180,00
	BITS			150,000	5,000	
	DIRECTIONAL SERVICES	8		240,000		240,000
	CASING CREW			100,000		100,000
	TOOL & EQUIPMENT REM	NTAL		50,000		
	FUEL & POWER	71138		204,000		777.77
	DIESEL - BASE FOR MUD	Ó		100,000		
	MUD LOGGING & GEOLO					100,000
	DISPOSAL, RESTORATIO			24,000		24,000
	TRUCKING	NA & BACKLIFF		150,000		180,000
	TESTING			120,000	40,000	
	CEMENTING			700 000		(
	PERFORATING			200,000		200,001
					358,000	The second secon
	CASED HOLE LOGS DOWNHOLE TOOLS & SE	OF THE ALP PE				
		ZRVICE			75,000	
	OTHER STIMULATION	207			120,000	
	FORMATION STIMULATION				4,000,000	4,000,000
	CONSULTING SERVICES	<i>i</i>			20,000	20,000
	SUPERVISION	The second secon		120,000		
	CONTRACT LABOR			5,000	20,000	
	OTHER LABOR				100,000	100,000
	COMPANY CONSULTING	/SUPV				100,000
	WATER			50,000	1,200,000	1,250,000
	FLUIDS & CHEMICALS			200,000		200,000
	CORING & ANALYSIS					200,000
33	COMMUNICATIONS			10,000	10,000	20,000
	BOP TESTING			20,000	10,000	30,000
38	FISHING TOOLS & SERVI	ICES				30,000
	INSPECTIONS			10,000	5,000	15,000
	WIRELINE SERVICES				- THE STATE OF THE	
	ENGINEERING & GEOLOG	GY - FIELD				0
	ENGINEERING & GEOLOG			15,000		
	MULTISHOT & GYRO	2V Self noc		10,000		16,000
	RE-ENTRY SERVICES					0
	CAMPS & TRAILERS			15 000	15,000	00.000
	SAFETY EQUIPMENT & H	ing		15,000	15,000	30,000
	CONTINGENCY	28		10,000	5,000	15,000
	INSURANCE			10,000	7,000	0
	MISCELLANEOUS			10,000	2,000	12,000
	SIM-OPS			10,000	10,000	20,000
	TOTAL INTANGIBLE COS	144		5 007 000		0
	OTAL INTANGIBLE COS			\$ 3,067,000	5 6,595,000	\$ 9,662,000
01 (CACINO CONDUCTOR	TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	
	CASING - CONDUCTOR			\$ 10,000		\$ 10,000
	CASING - SURFACE			20,000		20,000
	CASING - INTERMEDIATE			85,000		85,000
	CASING - INTERMEDIATE			305,000		305,000
	CASING - PRODUCTION /			545,000		545,000
	SUBSURFACE EQUIPMEN	4T		50,000	25,000	75,000
	PRODUCTION TUBING	See Ministry Complete Conference			55,000	55,000
	SUBSURFACE PUMPING E					0
	WELLHEAD EQUIPMENT			80,000	10,000	70,000
	FLOWLINES				100,000	100,000
	SURFACE PUMPING EQUI					0
	LINER HANGER & ASSOC	EQUIP				0
	VALVES & FITTINGS				200,000	200,000
15 F	RODS					200,000
	TRUCKING			40,000	2,000	42,000
20 F	RE-ENTRY EQUIPMENT			17111.	2,000	
	PRODUCTION EQUIPMEN	IT .			600,000	800,000
	MISCELLANEOUS			10,000	10,000	
	TANGIBLE EQUIP-ACQUIS	SITIONS		16,666	ΤΟ,υύο	20,000
	TOTAL INTANGIBLE COST			\$ 1,125,000	1 000 000	2 449 000
				3 1,120,000	\$ 1,002,000	\$ 2,127,000
T	TOTAL ESTIMATED WE	ELL COST		\$ 4,192,000	\$ 7,597,000	\$ 11,789,000

PREPARED BY:	Aaron Cattley	Senior Operations Engineer	DATE: 8/29/2019
OPERATOR APPROVAL:	10000	VP • Operations	DATE: 8/20/2019
OPERATOR APPROVAL:	- Ist	CFO	DATE: 8/20/20/9
PARTNER COMPANY NAME:			
PARTNER APPROVAL:			DATE:
TITLE:			



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
1001 West Wishine, Buile 208
Oklahoma City, Oklahom 73116
405-264-391

VELL N		Ovation Fed Com 1318 223H	AFE TYPE		pment	AFE NUMBER		15101
	AL LOCATION	T23S, R28E, Sec 13 - T23S, R29E, Sec 18	FORMATION	Wolfce	rn Delaware	DRILLING DAYS	32	10' / 19,910'
	CE LOCATION M-HOLE LOCATION	T23S, R28E, Sec 14 SE/4 SW/4 [T23S, R29E, Sec 18 SE/4 SE/4	COUNTY	Eddy C		STATE		w Mexico
	OT DESCRIPTION	Drilling, completion, facilities and pipeline cost			Straint	BINIE	lino	# INDXIGO
		A COLUMN TO A COLU					_	
CCT.		DESCRIPTION OF EXPENDITURE				COST ESTIMAT		
ODE 01	SURVEY/PERMITS/DA	INTANGIBLE COSTS		S	60,000	COMPLETION (50	3	50,00
	LOCATION & ROAD	MAGGALEGAL		-	150,000		Ť	150,00
03	RIG MOVE				150,000			150.00
04	DRILLING - FOOTAGE				50,000			50,0
05	DRILLING - DAYWORK				854,000			854,0
06	COMPLETION/WORK					60,0		0,08
07	COIL TUBING/SNUBBI			-		180,0	00	160,0
80	SLICKLINE/SWABBING			-	150,000		10	100
10	BITS DIRECTIONAL SERVICE	CO			160,000 240,000	5,0	70	155.0
11	CASING CREW				100,000		-	100,0
12	TOOL & EQUIPMENT	RENTAL			50,000	80,0	00	130.0
13	FUEL & POWER				204,000	200,0		404,0
14	DIESEL - BASE FOR M	UD			100,000			100,0
15	MUD LOGGING & GEO				24,000			24,0
16	DISPOSAL, RESTORA	TION & BACKFILL		_	150,000			150,0
17	TRUCKING				120,000	40,0	70	160.0
18	TESTING			-	200.000			500
18	PERFORATING				200,000	358.0	00	200,0 358,0
21	CASED HOLE LOGS					230,0	~	330,0
22	DOWNHOLE TOOLS &	SERVICE				75.0	00	75,0
23	OTHER STIMULATION					120.0		120,0
24	FORMATION STIMULA	TION				4,000.0	00	4,000,0
26	CONSULTING SERVIC	ES				20,0		20,0
26	SUPERVISION				120,000	100,0		220,0
27	CONTRACT LABOR			-	5,000	20,0		25,0
28	OTHER LABOR	LOZOLIBLA		+		100,0	00	100,0
30	COMPANY CONSULTI	NG/SUPY		-	60,000	1,200,0	10	1,250,0
31	FLUIDS & CHEMICALS				200,000	1,200,0	-	200.0
32	CORING & ANALYSIS				200,000			
33	COMMUNICATIONS				10,000	10,0	00	20,0
34	BOP TESTING				20,000	10,0	00	30,0
36	FISHING TOOLS & SEI	RVICES						
37	INSPECTIONS			-	10,000	5,0	00	15,0
38	WIRELINE SERVICES	COV CIPLO		-			-	
40	ENGINEERING & GEO ENGINEERING & GEO			-	15,000		-	15,0
41	MULTISHOT & GYRO	LOGT - OFFICE			10,000		_	1945
42	RE-ENTRY SERVICES			1				
43	CAMPS & TRAILERS				15,000	15.0	סכ	30.0
44	SAFETY EQUIPMENT	& H25			10,000	5,0	00	15,0
45	CONTINGENCY							
45	INSURANCE				10,000	2,0		12,0
47	MISCELLANEOUS			-	10,000	10,0	00	20,0
49	SIM-OPS TOTAL INTANGIBLE C	ORTS		\$	3,067,000	\$ 6,695,0	10 6	9,662,0
_	TOTAL INTANGIBLE C	TANGIBLE COSTS			ILLING (400)	COMPLETION (60		TOTAL
01	CASING - CONDUCTO			\$	10,000	- Community (or	3	
02	CASING - SURFACE				20,000		1	20,0
03	CASING - INTERMEDIA	NTE			85,000			95,0
04	CASING - INTERMEDIA				305,000			305.0
05	CASING - PRODUCTIO				845,000			548,0
08	SUBSURFACE EQUIP				50,000	26,0		75,0
07	PRODUCTION TUBING			-		55,0	10	55,0
08	SUBSURFACE PUMPII WELLHEAD EQUIPME				60,000	10,0	10	70,0
	FLOWLINES	11/		1	90,000	100,0		100,0
	SURFACE PUMPING E	QUIPMENT				.30,0		. 55,0
12	LINER HANGER & ASE			1				
	VALVES & FITTINGS					200,0	00	200,0
	RODS							
17	TRUCKING				40,000	2,0	00	42.0
20	RE-ENTRY EQUIPMEN			-			100	800.0
34	PRODUCTION EQUIPM MISCELLANEOUS	ACIV.1		-	10,000	800,0 10,0		20.0
47	TANGIBLE EQUIP-ACC	UISITIONS		-	10,000	10,0	NJ	20.0
73	TOTAL INTANGIBLE C			5	1,126,000	5 1,002,0	00 8	2,127,0
_	The second of							
	TOTAL ESTIMATED			5	4,192,000	\$ 7,597,00		11,789,0

PREPARED BY:	Agrain Cattley Senior Operations Engineer	DATE: 8/29/2019
OPERATOR APPROVAL:	VP - Operations	DNO 8/29/2019
OPERATOR APPROVAL:	- Control of the cont	DATE: 222 2019
MANUFACTURE OF STREET		
PARTNER COMPANY NAME:		
PARTNER APPROVAL:		DATE;



NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1031 West Winkins, Busia 204 Olkhown Coft, Olkhown 27116

WELL N		Ovation Fed Com 1318 224H	AFE TYPE	Development	AFE NUMBER	2015102
	AL LOCATION	T23S, R28E, Sec 13 - T23S, R29E, Sec 18	FIELD	Northern Delaware	DRILLING DAYS	32
	CE LOCATION M-HOLE LOCATION	T23S, R28E, Sec 14 SE/4 SW/4	COUNTY	Wolfcamp A	DEPTH (TVD/TMD)	9,910' / 19,910'
THE RESERVE AND THE PARTY NAMED IN	OT DESCRIPTION	T23S, R29E, Sec 18 SE/4 SE/4 Drilling, completion, facilities and pipeling costs		Eddy County	STATE	New Mexico
	TOTAL CONTRACTOR OF THE PARTY O	Personal Company of Control of Co				
ACCT.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	,
ODE 01	SURVEY/PERMITS/DA	INTANGIBLE COSTS		DRILLING (300)	COMPLETION (500)	
	LOCATION & ROAD	INIAGES/LEGAL		\$ 50,000		\$ 50,00 150,00
	RIG MOVE			150,000		150,00
	DRILLING - FOOTAGE			50,000		50,00
	DRILLING - DAYWORK			854,000		854,00
	COMPLETION/WORK				60,000	60,00
	COIL TUBING/SNUBBI SLICKLINE/SWABBING				180,000	160,00
	BITS			160,000	5,000	155,00
	DIRECTIONAL SERVICE	ES		240,000	0,000	240,00
	CASING CREW			100,000		100,00
12	TOOL & EQUIPMENT F	RENTAL		50,000	80,000	130,00
	FUEL & POWER			204,000	200,000	404,00
	DIESEL - BASE FOR M			100,000		100,00
	MUD LOGGING & GEO			24,000		24.00
	DISPOSAL, RESTORA TRUCKING	HON & BACKELL		160,000	40,000	150,00
	TESTING			120,000	40,000	180,00
	CEMENTING			200,000		200,00
20	PERFORATING				368,000	358,00
	CASED HOLE LOGS					
	DOWNHOLE TOOLS &	SERVICE			75,000	75,00
	OTHER STIMULATION FORMATION STIMULA	TION			120,000	120,000
	CONSULTING SERVIC				4,000,000	4,000,000
	SUPERVISION			120,000	100,000	220,000
	CONTRACT LABOR			5,000	20,000	25,000
	OTHER LABOR	NACOTA VARIA			100,000	100,000
	COMPANY CONSULTI	NG/SUPV				
	WATER			200,000	1,200,000	1,250,000
	FLUIDS & CHEMICALS CORING & ANALYSIS			200,000		200,000
	COMMUNICATIONS			10,000	10,000	20,000
	BOP TESTING			20,000	10,000	30,000
	FISHING TOOLS & SEE	RVICES				
	INSPECTIONS			10,000	5,000	15,00
	WIRELINE SERVICES	OOV SISLE				
	ENGINEERING & GEO ENGINEERING & GEO			45.000		45.00
	MULTISHOT & GYRO	COST - DIFFICE		15,000		15,00
	RE-ENTRY SERVICES					
	CAMPS & TRAILERS			15,000	15,000	30,00
	SAFETY EQUIPMENT	3 H2S		10,000	5,000	15,00
	CONTINGENCY					
	INSURANCE MISCELLANEOUS			10,000	2,000	12,00
	SIM-OPS			10,000	10,000	20,00
	TOTAL INTANGIBLE C	OSTS		\$ 3,087,000	\$ 5,595,000	
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
	CASING - CONDUCTO	R		\$ 10,000		\$ 10,000
	CASING - SURFACE CASING - INTERMEDIA	TE		20,000		20,000
	CASING - INTERMEDIA			85,000 305,000		85,000 305,000
	CABING - PRODUCTIO			545,000		546,000
	SUBSURFACE EQUIPM			60,000	25,000	75,000
	PRODUCTION TUBING				55,000	55,000
	SUBSURFACE PUMPIN					
	WELLHEAD EQUIPMEN	NT .		60,000	10,000	70,000
	FLOWLINES SURFACE PUMPING E	OURDINGST			100,000	100,000
	LINER HANGER & ASS					
	VALVES & FITTINGS	ALTONIO SIL			200,000	200,000
	RODS					(
17	TRUCKING			40,000	2,000	42,000
	RE-ENTRY EQUIPMEN					
	PRODUCTION EQUIPM	IENT		45.55	800,000	600,000
	MISCELLANEOUS TANGIBLE EQUIP-ACQ	JUSTIONS		10,000	10,000	20,000
	TOTAL INTANGIBLE C			\$ 1,125,000	\$ 1,002,000	\$ 2,127,000
	The state of the s	Set date.		11.04/400	- 1,002,000	6,167,000
	TOTAL ESTIMATED	THE RESERVE OF THE PERSON OF T		\$ 4,192,000	3 7,597,000	\$ 11,789,000

PREPARED BY:	Aaron Cattley		Senior Operations Engineer	DATE: 8/29/2019	
OPERATOR APPROVAL:	_3	188	VP - Operations	DATE: 8/29/2019	
OPERATOR APPROVAL:		104	Clouds	DATE: 2/29/2019	
			<u> </u>		
PARTNER COMPANY NAME:					
FARTNER COMPANY HAME.					
PARTNER APPROVAL:				DATE:	
TITLE:					



NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1001 West Westers 2016 200 Olshoms City, Oshinoma 73116 406-286-4391

	AME L LOCATION DE LOCATION	Ovalion Fed Com 1318 228H T23S, R28E, Sec 13 - T23S, R29E, Sec 18 T23S, R28E, Sec 14 SE/4 SW/4	FIELD FORMATION	Wolfcar	n Delaware mp A				19,905'
OTTO	M-HOLE LOCATION	T23S, R29E, Sec 18 NE/4 SE/4	COUNTY	Eddy C	ounty	STATE		New M	exico
OJEC	T DESCRIPTION	Drilling, completion, facilities and pipeline costs	for 9,900 nonzonta	, yasan.					
CCT.		DESCRIPTION OF EXPENDITURE			THE SECTION OF THE SE		ESTIMATE	-	
ODE		INTANGIBLE COSTS			LLING (300)	COMPL	ETION (600)		60,00
	SURVEY/PERMITS/DAN	IAGES/LEGAL		3	50,000			3	150,00
	LOCATION & ROAD			-	150,000				150,00
	RIG MOVE			-	50,000	_			50.00
04	DRILLING - FOOTAGE			_	854,000				854,00
06	DRILLING - DAYWORK			-	904,000		60,000		60,00
06	COMPLETIONWORKO			_			180,000		160,00
37	COIL TUBING/SNUBBIN	G UNIT		-			100,000		100,0
80	SUCKLINE/SWABBING			_	150,000		5,000		155,0
98	BITS			-	240,000		0,000		240,0
0	DIRECTIONAL SERVICE	.8		1	100.000				100,0
11	CASING CREW	THE TAIL		-	60,000		80,000		130.0
12	TOOL & EQUIPMENT R	ENTAL		_	204,000		200,000		404.0
13	FUEL & POWER	VIII .		+	100,000		200,000		100.0
4	DIESEL - BASE FOR MI			-	24,000				24.0
5	MUD LOGGING & GEOL	UGIS I		-	180,000				150,0
16	DISPOSAL, RESTORAT	ION & BACKFILL		+	120,000		40,000		160,0
17	TRUCKING			-	120,000	-	40,000		,,,,,,
18	TESTING			-	200,000				200.0
9	CEMENTING			1	200,000	_	358,000	_	358,0
0	PERFORATING			-		_	550,000		500,0
1	CASED HOLE LOGS			_			75,000		75.0
2	DOWNHOLE TOOLS &	SERVICE		-			120,000		120.0
23	OTHER STIMULATION			-			4,000,000	_	4,000,0
4	FORMATION STIMULA					_	20,000	1	20,0
25	CONSULTING SERVICE	S		_	120,000		100,000		220,0
26	SUPERVISION			+-	5,000		20,000	_	25.0
27	CONTRACT LABOR			-	5,000		100,000	_	100,0
28	OTHER LABOR			_		_	100,000	-	100,0
29	COMPANY CONSULTIN	IG/SUPV		+	£0.000	_	4 200 000	-	1,250,0
30	WATER			_	60,000	_	1,200,000	-	200.
31	FLUIDS & CHEMICALS			_	200,000	-		+	200.
32	CORING & ANALYSIS			+	40.000	_	10.000	-	20,
33	COMMUNICATIONS			-	10,000		10,000	-	
34	BOP TESTING			_	20,000	-	10,000	-	30,0
36	FISHING TOOLS & SEF	RVICES		-	10.000	-			161
37	INSPECTIONS				10,000	-	5,000	-	15,0
38	WIRELINE SERVICES			_		-		-	
39	ENGINEERING & GEO	OGY - FIELD		-	10.000	-		-	45
40	ENGINEERING & GEO	OGY - OFFICE		_	15,000	-		-	15,
41	MULTISHOT & GYRO			-		_		-	
42	RE-ENTRY SERVICES			_	45.000	-	45.000	-	20.
43	CAMPS & TRAILERS				15,000		15,000		30,
44	SAFETY EQUIPMENT	N H2S		_	10,000	-	5,000	-	15,
45	CONTINGENCY			_			0.000	-	40
46	INSURANCE			_	10,000		2,000		12,
47	MISCELLANEOUS				10,000		10,000		20,
49	SIM-OPS	The state of the s			2.444.444		4 505 000		9,062,
	TOTAL INTANGIBLE C			5	3,057,000		6,595,000		
		TANGIBLE COSTS			ILLING (400)		LETION (600		TOTAL
01	CASING - CONDUCTO	R		\$	10,000			- 5	10,
02	CASING - SURFACE	7191 TO THE TOTAL TOTAL TO THE			20,000			-	20,
03	CASING - INTERMEDIA	ATE			85,000			-	86,
04	CASING - INTERMEDIA	ATE 2		_	305,000				305,
05	CASING - PRODUCTIO				545,000				545,
08	SUBSURFACE EQUIP	MENT			80,000		25,000		76.
07	PRODUCTION TUBING			_		-	65,000		55,
08	SUBSURFACE PUMPI	NG EQUIPMENT		_				-	40
00	WELLHEAD EQUIPME				80,000	3	10,000		70,
10	FLOWLINES					-	100,000	-	100,
11	SURFACE PUMPING E					-		-	
12	LINER HANGER & ASS	SOC EQUIP				-	200.20		800
13	VALVES & FITTINGS						200,000	-	200
15	RODS					-		-	
17	TRUCKING				40,000	7	2,000	2	42
20	RE-ENTRY EQUIPMEN	IT				_			
34	PRODUCTION EQUIP	MENT		_		-	800,000		800
47	MISCELLANEOUS				10,000)	10,000)	20
49	TANGIBLE EQUIP-ACC	SMOITISHUE							
	TOTAL INTANGIBLE			\$	1,125,000	1 \$	1,002,000	1 5	2,127
				-	4 402 000	5	7,597,000	1 6	11,789,
	ITOTAL BUTHLATED	WELL COST		5	4,192,000		1,001,000	-	11,100,

PREPARED BY:	Agron Cattley	L	Gerrier Operations Engineer	DATE:	8/29/2019
OPERATOR APPROVAL:	-300	4.7	VII - Operations	DATE:	8/29/2019
OPERATOR APPROVAL:		Jelf	cro	DATE:	8/20/2019
PARTNER COMPANY NAME:					
PARTNER APPROVAL:				DATE:	
TITLE:					



PARTNER COMPANY NAME: PARTNER APPROVAL:

TITLE:

NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1001 West Wilseles, Surie 206 Olishoms City, Okhbems 73116 405-206-4391

SURFA	AL LOCATION CE LOCATION	Ovation Fed Corn 1318 233H T23S, R28E, Sec 13 - T23S, R29E, Sec 16 T23S, R28E, Sec 14 SE/4 SW/4	AFE TYPE FIELD FORMATION	Development Northern Delawere Wolfcamp B	AFE NUMBER DRILLING DAYS DEPTH (TVD/TMD)	2015104 32 10,570' / 20,570'
	M-HOLE LOCATION CT DESCRIPTION	T23S, R29E, Sec 18 SE/4 SE/4 Drilling, completion, facilities and pipeline costs for	9,900' horizontal	Eddy County well	STATE	New Mexico
					22/10/20/20/20	
CODE		DESCRIPTION OF EXPENDITURE INTANGIBLE COSTS		DRILLING (300)	COST ESTIMATE	
01	SURVEY/PERMITS/DAM/			\$ 50,000	COMPLETION (800)	\$ 50,000
02	LOCATION & ROAD			160,000		150,000
03	DRILLING - FOOTAGE			160,000 60,000		150,000
05	DRILLING - DAYWORK			854,000		854,000
06	COMPLETION/WORKOV				80,000	80,000
07 08	COIL TUBING/SNUBBING SLICKLINE/SWABBING	UNIT			160,000	160,000
09	BITS			160,000	6,000	155,000
10	DIRECTIONAL SERVICES	8		240,000		240,000
11	CASING CREW TOOL & EQUIPMENT RE	NTAL		100,000	00.000	100,000
13	FUEL & POWER	NIAL		50,000 204,000	80,000 200,000	130,000 404,000
14	DIESEL - BASE FOR MUL			100,000		100,000
16	MUD LOGGING & GEOLO DISPOSAL, RESTORATION			24,000		24,000
17	TRUCKING	DIV & BACKFILL		150,000	40,000	150.000 160.000
	TESTING			720,000	40,000	00,000
19	CEMENTING			200,000		200,000
20	PERFORATING CASED HOLE LOGS				358,000	358,000
22	DOWNHOLE TOOLS & SE	ERVICE			75,000	75,000
23	OTHER STIMULATION	AND			120,000	120,000
24 25	FORMATION STIMULATION CONSULTING SERVICES				4,000,000	4,000,000
	SUPERVISION			120,000	20,000 100,000	20,000 220,000
27	CONTRACT LABOR			5,000	20,000	28,000
28	OTHER LABOR				100,000	100,000
	COMPANY CONSULTING WATER	/SUPV		50,000	1.000.000	0
	FLUIDS & CHEMICALS			200,000	1,200,000	1,250,000
	CORING & ANALYSIS			100000		0
	COMMUNICATIONS			10,000	10,000	20,000
	BOP TESTING FISHING TOOLS & SERV	ICES		20,000	10,000	30,000
	INSPECTIONS	1000		10,000	5,000	15,000
	WIRELINE SERVICES					0
	ENGINEERING & GEOLO ENGINEERING & GEOLO					0
	MULTISHOT & GYRO	GI - GFFIGE		15,000		15,000
42	RE-ENTRY SERVICES	We was a second				0
	CAMPS & TRAILERS	200		15,000	15,000	30,000
	SAFETY EQUIPMENT & H CONTINGENCY	128		10,000	5,000	15,000
	INSURANCE			10,000	2,000	12,000
	MISCELLANEOUS			10,000	10,000	20,000
	SIM-OPS TOTAL INTANGIBLE COS	tre .		\$ 3,087,000	\$ 6,595,000	0
	TOTAL INTENDED CO.	TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	\$ 9,562,000 TOTAL
	CASING - CONDUCTOR			\$ 10,000		\$ 10,000
	CASING - SURFACE CASING - INTERMEDIATE			20,000		20,000
	CASING - INTERMEDIATE			85,000 305,000		85,000 305,000
06	CASING - PRODUCTION /	LINER		545,000		645,000
	SUBSURFACE EQUIPME	NT		50,000	25,000	75,000
	PRODUCTION TUBING SUBSURFACE PUMPING	EQUIPMENT			55,000	65,000
	WELLHEAD EQUIPMENT			60,000	10,000	70,000
	FLOWLINES	IDAACHE.			100,000	100,000
	SURFACE PUMPING EQU LINER HANGER & ASSOC					0
	VALVES & FITTINGS				200,000	200,000
	RODS					0
	TRUCKING RE-ENTRY EQUIPMENT			40,000	2,000	42,000
	PRODUCTION EQUIPMENT	IT .			500,000	600,000
47	MISCELLANEOUS			10.000	10,000	20,000
49	TANGIBLE EQUIP-ACQUIS	SITIONS				0
	TOTAL INTANGIBLE COS			5 1,125,000	5 1,002,000	\$ 2,127,000
	TOTAL ESTIMATED W	ELL COST		\$ 4,192,000	\$ 7,597,000	\$ 11,789,000
PREPAR	ED BY:	Aaron Cattley		Operations Engineer	DATE:	8/29/2019
OPERAT	OR APPROVAL:			VIV - Operations	DATE:	8/29/2019
		0/11/			67115.	planten
OPERAT	OR APPROVAL:	11		cto	DATE:	0014

DATE:



NOVO OIL & GAS NORTHERN DELAWARE, LLC
AUTHORIZATION FOR EXPENDITURE
1001 West Westles, Suite 206
Oklehome City, Oklahome 73116
405-286-4191

WELL N		Ovalion Fed Com 1318 234H	AFE TYPE	Development	AFE NUMBER	2015105
	AL LOCATION	T23S, R28E, Sec 13 - T23S, R29E, Sec 18	FIELD	Northern Delaware	DRILLING DAYS	32
	CE LOCATION M-HOLE LOCATION	T23S, R28E, Sec 14 SE/4 SW/4	FORMATION	Wolfcamp B	DEPTH (TVD/TMD)	10,575 / 20,575
	CT DESCRIPTION	T23S, R29E, Sec 18 SE/4 SE/4 Drilling, completion, facilities and pipeline costs for	COUNTY	Eddy County	STATE	New Mexico
	or occommends	criming, companion, racinges and piperate costs to	r 9,900 nonzonta	Waii-		
ACCT.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
CODE		INTANGIBLE COSTS		DRILLING (300)	COMPLETION (500)	
01	SURVEY/PERMITS/DAM/	AGES/LEGAL		\$ 50,000		\$ 50,000
02	LOCATION & ROAD			150,000		150,000
03	RIG MOVE			180,000		150,000
04	DRILLING - FOOTAGE			60,000		50,000
05	DRILLING - DAYWORK	TO 010		854,000		854,000
08	COMPLETION/WORKOV				80,000	
07	COIL TUBING/SNUBBING SLICKLINE/SWABBING	UNIT			180,000	-
	BITS			100.00		(
***	DIRECTIONAL SERVICES			150,000		
11	CASING CREW	,		240,000		240,000
12	TOOL & EQUIPMENT RE	TAI		100,000		100,000
	FUEL & POWER	TIPL		50,000 204,000		130,000
14	DIESEL - BASE FOR MUL			100,000		404,000
15	MUD LOGGING & GEOLO			24,000		100,000
16	DISPOSAL RESTORATIO			150,000		24,000
17	TRUCKING	A. C. S. C. S.		120,000		150,000
	TESTING			120,000	40,000	180,000
	CEMENTING			200,000		200,000
20	PERFORATING			200,000	358,000	358,000
	CASED HOLE LOGS				200,000	355,000
22	DOWNHOLE TOOLS & SE	RVICE			75,000	75,000
	OTHER STIMULATION				120,000	120,000
	FORMATION STIMULATION				4,000,000	4,000,000
	CONSULTING SERVICES				20,000	20,000
	SUPERVISION			120,000	100,000	220,000
	CONTRACT LABOR			5,000	20,000	26,000
	OTHER LABOR	MALE SELECTION OF THE S			100,000	100,000
	COMPANY CONSULTING	SUPV				0
	WATER FLUIDS & CHEMICALS			50,000		1,250,000
	CORING & ANALYSIS			200,000		200,000
	COMMUNICATIONS					0
	BOP TESTING			10,000		20,000
	FISHING TOOLS & SERVI	OES .		20,000	10,000	30,000
	INSPECTIONS	OES .		40.000		0
	WIRELINE SERVICES			10,000	5,000	15,000
	ENGINEERING & GEOLO	AY - FIELD				0
	ENGINEERING & GEOLO			15,000		0
	MULTISHOT & GYRO			15,000		16,000
	RE-ENTRY SERVICES					0
43	CAMPS & TRAILERS			15,000	15,000	30,000
44	SAFETY EQUIPMENT & H	28		10,000	5,000	15,000
	CONTINGENCY					0
	NSURANCE			10,000	2,000	12,000
	MISCELLANEOUS			10,000	10,000	20,000
	SIM-OPS					0
	TOTAL INTANGIBLE COS			5 3,067,000		\$ 9,662,000
	steate same taxes	TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
	CASING - CONDUCTOR			\$ 10,000		\$ 10,000
	CASING - SURFACE CASING - INTERMEDIATE			20,000		20,000
	CASING - INTERMEDIATE	2		85,000		85,000
	CASING - PRODUCTION /			305,000		305,000
	SUBSURFACE EQUIPMEN			545,000	20.00	545,000
	PRODUCTION TUBING			50,000	25,000	75,000
	SUBSURFACE PUMPING	EQUIPMENT			55,000	55,000
	WELLHEAD EQUIPMENT			60,000	10,000	70.000
	LOWLINES			00,000	10,000	70,000
11 5	SURFACE PUMPING EQU	PMENT			100,000	100,000
	INER HANGER & ASSOC					0
	ALVES & FITTINGS				200,000	200,000
	RODS				200,000	0
	RUCKING			40,000	2,000	42,000
	RE-ENTRY EQUIPMENT					0
	RODUCTION EQUIPMEN	I			600,000	600,000
	MISCELLANEOUS	The state of the s		10,000	10,000	20,000
	ANGIBLE EQUIP-ACQUIS					0
1	OTAL INTANGIBLE COS	18		1,125,000	\$ 1,002,000	\$ 2,127,000
Ť	OTAL ESTIMATED W	ELL COST		\$ 4,192,000	\$ 7,597,000	\$ 11.789,000
				7,102,000	4 1,000,1000	\$ 11,789,000
REPARI	ED BY:	varon Cattley		Serior Operations Engineer	DATE:	8kakan

OPERATOR APPROVAL:	VP - Operations VP - Operations CE-0	DATE: 8 20 2019
PARTNER COMPANY NAME:		
PARTNER APPROVAL:		DATE:
TITLE:		



NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1001 West Windlers, Buter 204 Oklahama City, Oklahoma 73116 409-284-4381

AFE TYPE Development
FIELD Northern Delaware Ovation Fed Com 1318 236H T23S, R28E, Sec 13 - T23S, R29E, Sec 18

	CE LOCATION	T23S, R28E, Sec 13 - T23S, R29E, Sec 18	FORMATION	Northern Delaware	DRILLING DAYS	32
	M-HOLE LOCATION	T23S, R28E, Sec 14 SE/4 SW/4 T23S, R29E, Sec 18 NE/4 SE/4	COUNTY	Wolfcamp B Eddy County	STATE	10,580' / 20,560
	CT DESCRIPTION	Oriting, completion, facilities and pipeline costs			STATE	New Mexico
, Out	OT DESCRIPTION	Drawing, Corrigination, nacimbers and pipenine costs	TOI 9,000 HORZONIA	Woll		
CCT.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
ODE		INTANGIBLE COSTS		DRILLING (300)	COMPLETION (500)	
01	SURVEY/PERMITS/DAM			\$ 50,000	COM ELITOR (BOO)	\$ 6
02	LOCATION & ROAD			150,000		15
03	RIG MOVE			150,000		15
04	DRILLING - FOOTAGE					5
05	DRILLING - DAYWORK			50,000		
06	COMPLETION/WORKO	ICD BIO		854,000		85
					60,000	6
07	COIL TUBING/SNUBBIN	GUNII			180,000	16
08	SLICKLINE/SWABBING					
00	BITS			150,000	5,000	16
10	DIRECTIONAL SERVICE	3		240,000		24
11	CASING CREW			100,000		10
12	TOOL & EQUIPMENT R	ENTAL		50,000	80,000	13
13	FUEL & POWER	ALCHERO,		204,000	200,000	40
14	DIESEL - BASE FOR MU	JD		100,000		10
15	MUD LOGGING & GEOL	OGIST		24,000		2
16	DISPOSAL, RESTORAT	ION & BACKFILL		150,000		15
17	TRUCKING			120,000	40,000	18
18	TESTING			120,000	40,000	10
	CEMENTING			200,000		20
	PERFORATING			200,000	360,000	
	CASED HOLE LOGS				358,000	35
		SERVICE .				
	DOWNHOLE TOOLS & S	SERVICE			75,000	7.
	OTHER STIMULATION				120,000	12
	FORMATION STIMULAT				4.000,000	4.00
	CONSULTING SERVICE	8			20,000	2
	SUPERVISION			120,000	100,000	22
27	CONTRACT LABOR			5,000	20,000	2
28	OTHER LABOR				100,000	10
29	COMPANY CONSULTIN	G/SUPV				
10	WATER			60,000	1,200,000	1,25
	FLUIDS & CHEMICALS			200,000		201
	CORING & ANALYSIS			5,0,0,0,0		20
	COMMUNICATIONS			10,000	10,000	20
	BOP TESTING			20,000		
	FISHING TOOLS & SER	4050		20,000	10,000	30
		VIGES .		40.000		
	INSPECTIONS			10,000	5,000	12
	WIRELINE SERVICES					
	ENGINEERING & GEOL					
	ENGINEERING & GEOL	OGY - OFFICE		15,000		1.
	MULTISHOT & GYRO					
	RE-ENTRY SERVICES					
3	CAMPS & TRAILERS			15,000	15,000	36
4	SAFETY EQUIPMENT &	H2S		10,000	5,000	15
8	CONTINGENCY					
	INSURANCE			10,000	2,000	12
	MISCELLANEOUS			10,000	10,000	20
	SIM-OPS			10,000	10,000	21
	TOTAL INTANGIBLE CO	STS		\$ 3,067,000	\$ 5,595,000	\$ 9,663
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
1	CASING - CONDUCTOR				COMPLETION (000)	
	CASING - SURFACE			\$ 10,000		\$ 10
		G.		20,000		20
	CASING - INTERMEDIAT			85,000		BA
	CASING - INTERMEDIAT			305,000		308
	CASING - PRODUCTION			545,000		548
	SUBBURFACE EQUIPMI	ENT		50,000	25,000	75
	PRODUCTION TUBING				55,000	56
	SUBSURFACE PUMPING					
9	WELLHEAD EQUIPMENT			60,000	10,000	70
0	FLOWLINES				100,000	100
1	SURFACE PUMPING EQ	UIPMENT				
_	LINER HANGER & ASSO					
	VALVES & FITTINGS				200,000	200
	RODS				200,000	200
	TRUCKING			40,000	0.000	
	RE-ENTRY EQUIPMENT			40,000	2,000	42
	PRODUCTION EQUIPME				000 000	
		art.		12.222	600,000	600
	MISCELLANEOUS	THE PARTY OF THE P		10,000	10,000	20
7	TANGER PRODUCE ACTOR	IISHIONS				
9	TANGIBLE EQUIP-ACQU					
9	TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO			\$ 1,125,000	\$ 1,002,000	\$ 2,127
9		STS		\$ 1,126,000 \$ 4,192,000		\$ 2,127 \$ 11,789.

PREPARED BY:	Aaron Cattley	Senior Operations Engineer	DATE: 8/29/2019
OPERATOR APPROVAL:	- KASS	VP - Operations	DATE: 8/29/2019
OPERATOR APPROVAL:	- Jelf	CTO CTO	DATE: 8/29/2019
PARTNER COMPANY NAME:			
PARTNER APPROVAL:			DATE:
TITLE:			

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. 20888 & 20889

AFFIDAVIT OF MICHAEL HALE
IN SUPPORT OF CASE NOS. 20888 AND 20889

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. 20888 and 20889,

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. 20888 and 20889in relation to the surrounding acreage.

5. Novo Exhibit B-1 also shows the path of the proposed wellbores for the Ovation

Fed Com 1318 #133H Well, Ovation Fed Com 1318 #134H Well, Ovation Fed Com 1318

#136H Well, Ovation Fed Com 1318 #213H Well, Ovation Fed Com 1318 #214H Well,

Ovation Fed Com 1318 #216H Well, Ovation Fed Com 1318 #223H Well, Ovation Fed

Com 1318 #224H Well, Ovation Fed Com 1318 #226H Well, Ovation Fed Com 1318 #233H

Well, Ovation Fed Com 1318 #234H Well, and Ovation Fed Com 1318 #236H Well.

BEFORE THE OIL CONSERVATION DIVISION

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 Sections 13 and 18.

CASE NO. 20888

- 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 1318 #133H Well, Ovation Fed Com 1318 #134H Well, and the Ovation Fed Com 1318 #136H 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. 20889

- 9. I am familiar with the application filed by Novo in this case, and I have conducted a geologic study of the lands in the subject areas.
 - 10. In this case, Novo is targeting the Wolfcamp formation.
- 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 1318 #213H Well, Ovation Fed Com 1318 #214H Well, and Ovation Fed Com 1318 #216H 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-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 1318 #223H Well, Ovation Fed Com 1318 #224H Well, and Ovation Fed Com 1318 #226H 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-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 1318 #233H Well, Ovation Fed Com 1318 #234H Well, and Ovation Fed Com 1318 #236H 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.
- 14. **Novo Exhibit B-7** is a stratigraphic cross-section that I prepared displaying openhole 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.

- 15. In my opinion, each tract comprising the proposed horizontal spacing units in **Case**Nos. 20888 and 20889 will be productive and contribute more-or-less equally to production from the wellbore.
- 16. 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.
- 17. 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

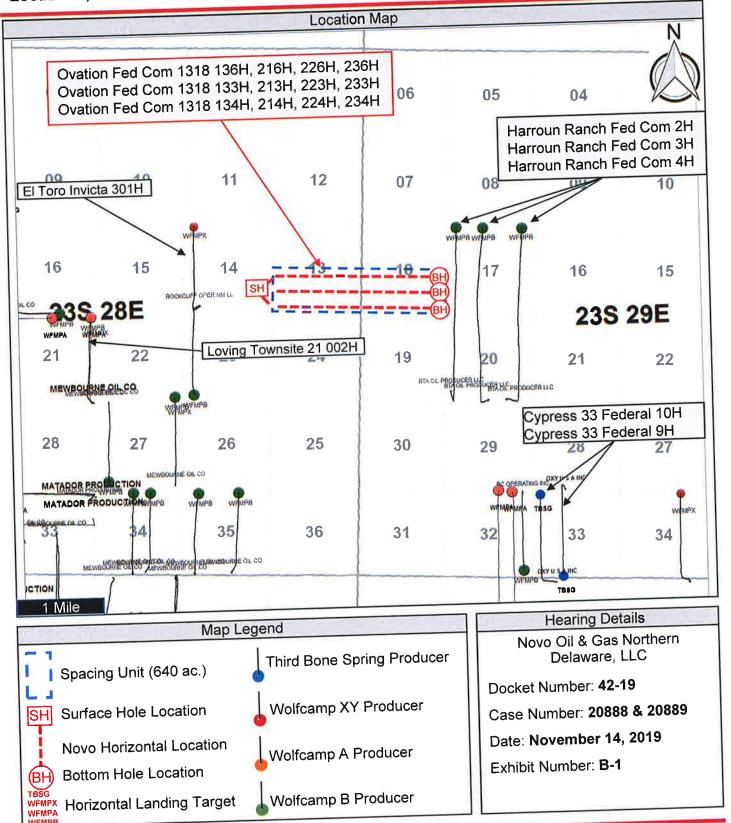
STATE OF OKLAHOMA)
COUNTY OF OKLAHOMA)
SUBSCRIBED and SWOR	N to before me this day of November 2019 by
Michael Hale.	
My Commission Expires: 11/15/20	NOTARY PUBLIC NOTARY PUBLIC ** 16010609 ** 16010609 ** OF OKLANDING
13804199_v1	

13804383_v1

Ovation Fed Com 1318 Execution Plan



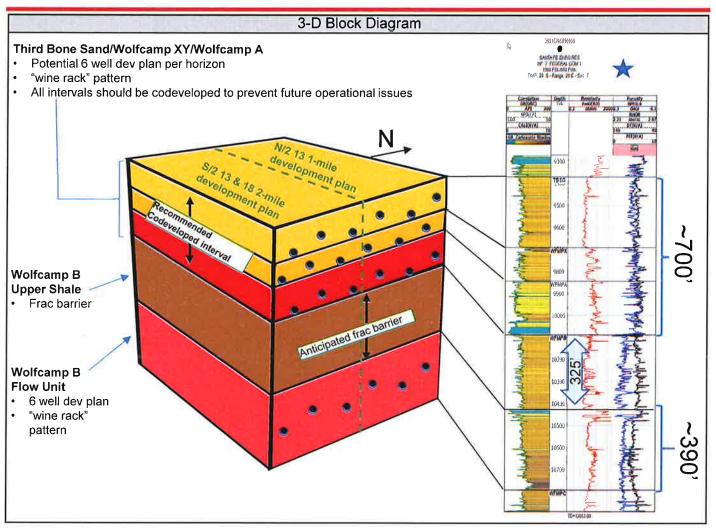
Third Bone Spring, Wolfcamp XY, Wolfcamp A and Wolfcamp B Proposed Locations, Sections 13-23S-28E and 18-23S-29E

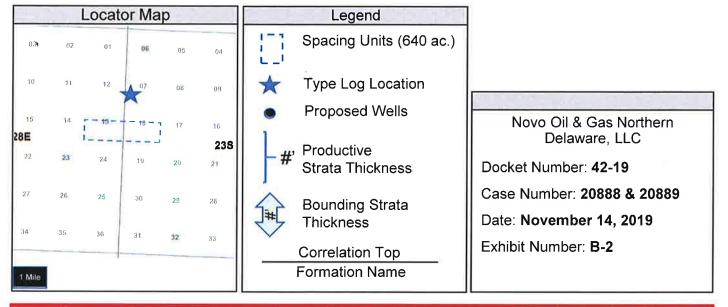


Novo Development Plan: Ovation Fed Com 1318 Units



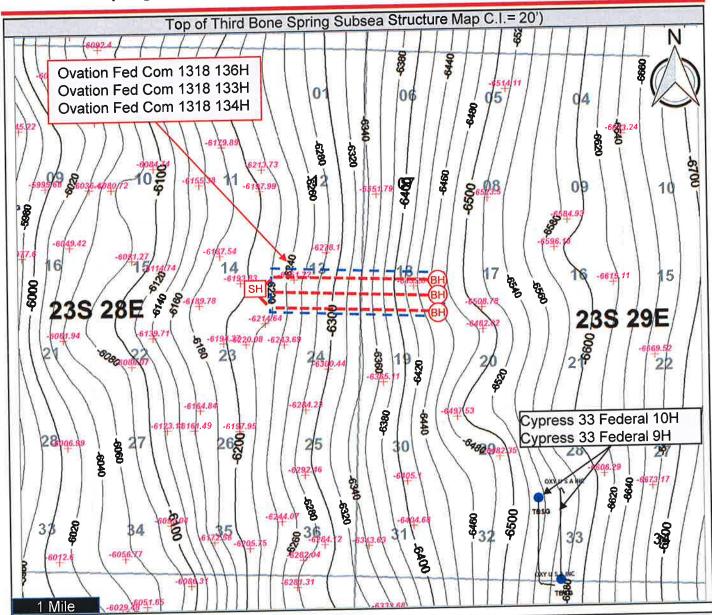
Sections 013-23S-28E and 18-23S-29E

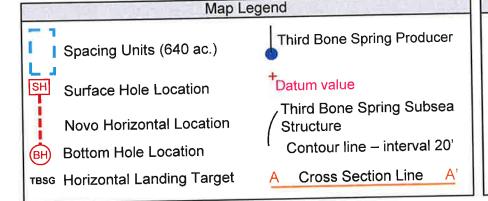




Ovation Fed Com 1318: Top of Third Bone Spring Structure Map

Third Bone Spring Proposed Locations; Sections 13-23S-28E and 18-23S-29E





Hearing Details

Novo Oil & Gas Northern Delaware, LLC

Docket Number: 42-19

Case Number: 20888 & 20889

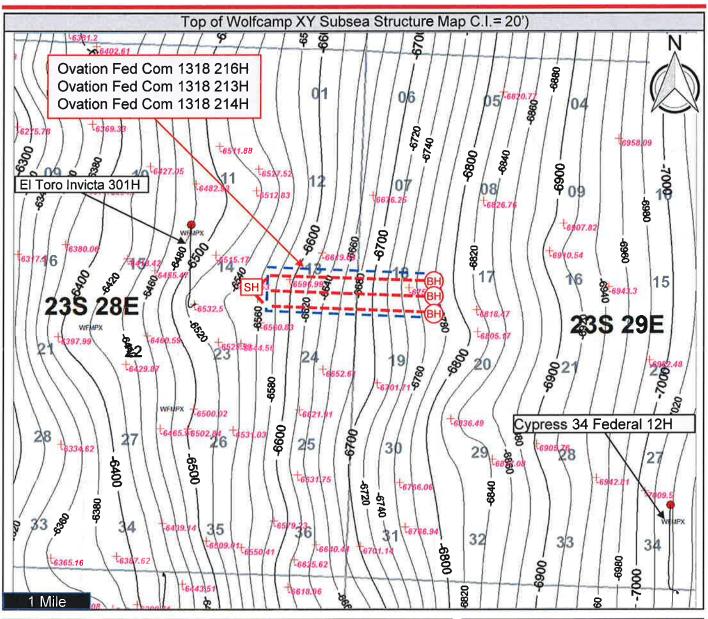
Date: November 14, 2019

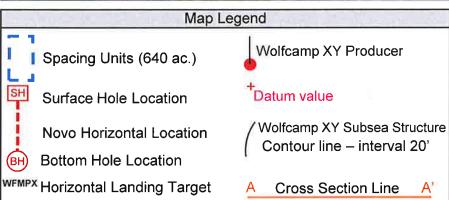
Exhibit Number: B-3

Ovation Fed Com 1318: Top of Wolfcamp XY Structure Map



Wolfcamp XY Proposed Locations; Section 13-23S-28E and 18-23S-29E





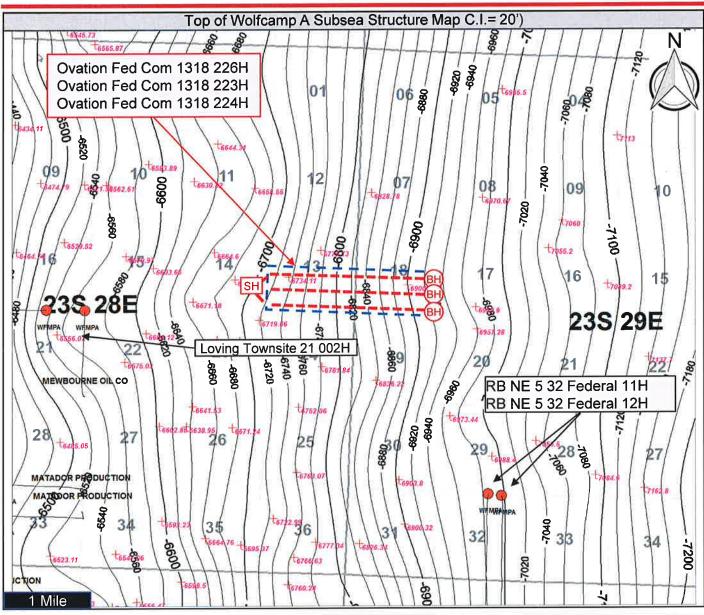
Novo Oil & Gas Northern Delaware, LLC Docket Number: 42-19 Case Number: 20888 & 20889 Date: November 14, 2019 Exhibit Number: B-4

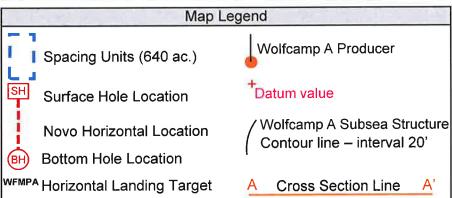
Hearing Details

Ovation Fed Com 1318: Top of Wolfcamp A Structure Map



Wolfcamp A Proposed Locations; Section 13-23S-28E and 18-23S-29E





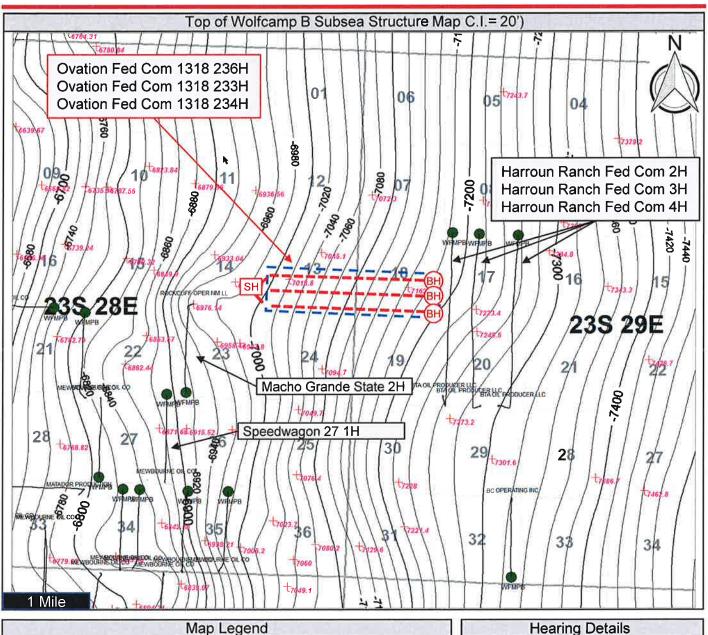
Novo Oil & Gas Northern Delaware, LLC Docket Number: 42-19 Case Number: 20888 & 20889 Date: November 14, 2019 Exhibit Number: B-5

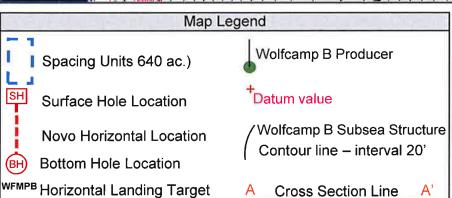
Hearing Details

Ovation Fed Com 1318: Top of Wolfcamp B Structure Map



Wolfcamp B Proposed Locations; Section 13-23S-28E and 18-23S-29E





Novo Oil & Gas Northern Delaware, LLC

Docket Number: 42-19

Case Number: 20888 & 20889

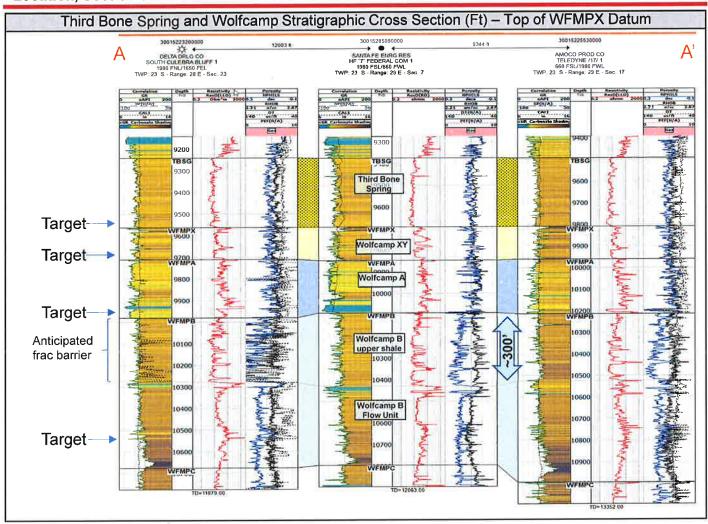
Date: November 14, 2019

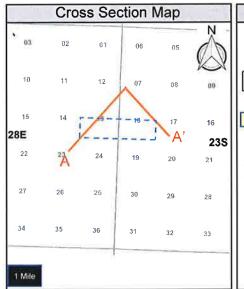
Exhibit Number: **B-6**

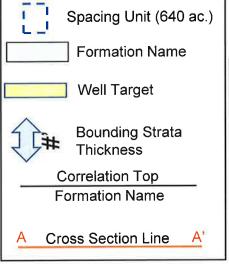
Ovation Fed Com 1318– Third Bone Spring and Wolfcamp Stratigraphic Cross Section



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







Cross Section Legend

Novo Oil & Gas Northern Delaware, LLC

Docket Number: 42-19

Case Number: 20888 & 20889

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. 20888 & 20889

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.

My Commission Expires

Notary Public

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 # 20888 & 20889



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 1318 #133H, #134H, #136H 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

<u>VIA CERTIFIED MAIL</u> 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 1318 #213H, #214H, #216H, #223H, #224H, #226H, #233H,

#234H, #236H 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

Novo - Ovation 133H-134H, 136H, 213H-214H, 216H, 223H-223H, 226H Case Nos. 20888 20889 Postal Delivery Report

Tracking Number R	Recipient	Status
921489019403839656588N	921489019403839656588 Mark L Shidler 1313 Campbell Rd Bldg D Houston TX 77005	Delivered Signature Received
921489019403839656589 Westhall Oil & Gas I	Westhall Oil & Gas LLC PO BOX 4 Loco Hills NM 88255	Delivered Signature Received
92148901940383965659d D	92148901940383965659d Don Paage Royalties 550 West Texas Ave Suite 800 Midland TX 79701	Delivered Signature Received
921489019403839656591R	921489019403839656591 Robert H Northington 15250 Prestonwood Blvd 263 Dallas TX 75248-4791	Delivered Signature Received
921489019403839656592H	921489019403839656592HP McLish 1520 W Canal Ct Suite 250 Littleton CO 80120	Delivered Signature Received
921489019403839656593C	921489019403839656593 Chase Hicks 111 Stoney Creek Lane Terrell TX 75160-5140	In-Transit
92148901940383965659410	921489019403839656594 John Thomas 10117 Estate Lane Dallas TX 75238-2134	Delivered Signature Received
921489019403839656595	921489019403839656595 The Allar Co PO BOX 1567 Graham TX 76450	Delivered Signature Received
921489019403839656596T	921489019403839656596 Talus Inc PO BOX 1210 Graham TX 76450	Delivered Signature Received
921489019403839656597	921489019403839656597 Twin Montana Inc PO BOX 1210 Graham TX 76450	Delivered Signature Received



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.

Shipment Date: 10/23/2019 Shipped From:

Name: HOLLAND & HART LLP

Novo - Ovation Fed Com 1318 133H, 134H, 136H, 213H-214H, Address: 110 N GUADALUPE ST # 1

City: SANTA FE

ZIP+4® 87501 State: NM

216H, 223H-224H, 236H Case Nos. 20888 & 20889 CM#104370.0001

Volume
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5. Select Pay and End Visit to complete Select Shipment Confirm Scan or enter the barcode/label number from PS Form 5630

Confirm the volume count message by selecting Yes or No Select Pay and End Visit to complete transaction

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USPS SCAN AT ACCEPTANCE

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Name and Address of Sender Holland & Hart LLP 110 N Guadaiupe St # 1 Santa Fe NM 87501	Check type of mail or service Adult Signature Required Priority Mail Express Adult Signature Restricted Delivery Registered Mail Certified Mail Restricted Delivery Merchandise Collect on Delivery (COD) Signature Confirmation Insured Mail Restricted Delivery Restricted Delivery Signature Confirmation Priority Mail Restricted Delivery		fix Stam issued as rtificate of ditional co astmark w	an interna mailing or pies of thi	for									
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PS Form **3877**, April 2015 PSN 7530-02-000-9098

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(Page 1 of 2)

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		☐ Certified Mall Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail	Merchandise Signature Confirmation Signature Confirmation Restricted Delivery	Postmark with Date of Receipt.												
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PS Form **3877**, April 2015 PSN 7530-02-000-9098

(Page 2 of 2)

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Carlsbad Current Argus.

Affidavit of Publication Ad # 0003867892

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 W., County of Brown
NOTARY PUBLIC

My commission expires

SHELLY HORA Notary Public State of Wisconsin

Ad # 0003867892 PO #: 3867892 # 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 appoint 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.emnrd.state.n m.us/OCD/. 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; John Thomas, his heirs and devisees; The Allar Co.; Talus, Inc.. Twin Montana, Inc.

Case No. 20888: 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 640-acre, more or less, horizontal spacing unit comprised of the S/2 of Section 13, Township 23 South, Range 28 East, and the S/2 of Section 18, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico. Said horizontal spacing unit will be dedicated to the following proposed initial wells:

The Ovation Fed Com 1318 #133H Well and the Ovation Fed Com 1318 #134H Well, both of which will be horizontal-

 The Ovation Fed Com 1318 #133H Well and the Ovation Fed Com 1318 #134H Well, both of which will be horizontally drilled from a common surface location in the SE/4 of Section 14, T23S, R28E, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 18.

The Ovation Fed Com 1318 #136H Well to be horizontally drilled from a surface location in the SE/4 of Section 14, T23S, R28E, to a bottom hole location in the NE/4 SE/4 (Unit I) of Section 18.

I) of Section 18. The completed interval for the **Ovation Fed Com 1318** #133H Well will remain within 330 feet of the N/2 S/2 of Sections 13 and 18 to allow inclusion of these proximity tracts in a standard 640-acre horizontal well spacing comprised of the S/2 of Sections 13 and 18. 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. #3867892, Current Argus, Oct. 29, 2019

Carlsbad Current Argus.

Affidavit of Publication Ad # 0003867916

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:

> of WI, County of Brown NOTARY PUBLIC

My commission expires

SHELLY HORA Notary Public State of Wisconsin

Ad # 0003867916 PO#: 3867916 # of Affidavits: 1

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

The State of New Mexico through its Oil Conservation Divi-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 appoint 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: Florence Davidson 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.emnrd.state.n m.us/OCD/. Please contact Ms. Davidson if a summary or other type of accessible form is needed. er 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; John Thomas, his heirs and devisees; The Allar Co.; Talus, Inc., Twin Montana, Inc.

Case No. 20889: 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 634.72-acre, more or less, horizontal spacing unit comprised of the S/2 of Section 13, Township 23 South, Range 28 East, and the S/2 of Section Township 23 South, Range 28 East, and the S/2 of Section 18, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico. Said horizontal spacing unit will be dedicated to the following proposed initial wells:

• The Ovation Fed Com 1318 #214H Well, the Ovation Fed Com 1318 #224H Well, the Ovation Fed Com 1318 #233H Well, and the Ovation Fed Com 1318 #233H Well, and the Ovation Fed Com 1318 #233H Well, and the Ovation Fed Com 1318 #234H Well, and the Ovation Fed Com 1318 #244H We

Well, the Ovation Fed Com 1318 #233H Well, and the Ovation Fed Com 1318 #234H Well, each of which will be horizontally drilled from a common surface location in the SE/4 of Section 14, T23S, R28E, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 18.

The Ovation Fed Com 1318 #213H Well, the Ovation Fed Com 1318 #216H Well, the Ovation Fed Com 1318 #236H Well, and the Ovation Fed Com 1318 #236H Well, each of Well, and the Ovation Fed Com 1318 #236H Well, each of which will be horizontally drilled from a common surface location.

Well, and the Ovation Fed Com 1318 #236H Well, each of which will be horizontally drilled from a common surface location in the SE/4of Section 14, T23S, R28E, to bottom hole locations in the NE/4 SE/4 (Unit I) of Section 18.

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.

#3867916. Current Argus. Oct. 29, 2019

#3867916, Current Argus, Oct. 29, 2019