BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING JULY 01, 2021

CASE NOS. 21974-21976

SATURNINUS FED COM 1510 121H SATURNINUS FED COM 1510 131H WELL SATURNINUS FED COM 1510 122H WELL SATURNINUS FED COM 1510 132H SATURNINUS FED COM 1510 211H-212H, 215H, 221H, 222H, 225H, 231H, 232H, 235H WELLS

EDDY COUNTY, NEW MEXICO



APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21209 & R-21209-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21974 (formerly Cases 21038, 21741)

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21210 & 21210-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21975 (formerly Cases 21039, 21742)

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21211 & R-21211-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21976 (formerly Cases 21040, 21743)

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- Novo Exhibit A: Compulsory Pooling Application Checklists
- Novo Exhibit B: Applications of Novo Oil & Gas Northern Delaware LLC to Amend Orders R-21092 and R-21093, Eddy County, New Mexico
- Novo Exhibit C: Affidavit of Brandon Patrick, Landman
 - Novo Exhibit C-1: Pooling Orders
 - Novo Exhibit C-2: C-102s
 - o Novo Exhibit C-3: Interest Owners Tract Map/Recap
 - o Novo Exhibit C-4: Bone Spring and Wolfcamp Units Recap
 - o Novo Exhibit C-5: Well Proposal Letters and AFEs
 - Novo Exhibit C-6: Chronology of Contacts with Uncommitted Owners
- Novo Exhibit D: Notice Affidavit
- Novo Exhibit E: Affidavit of Publication for each case

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 21974	APPLICANT'S RESPONSE	
Date: July 1, 2021		
Applicant	Novo Oil & Gas Northern Delaware, LLC	
Designated Operator & OGRID (affiliation if applicable)	372920	
Applicant's Counsel: Case Title	Holland & Hart, LLP APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21209 & R-21209-A, EDDY COUNTY, NEW MEXICO	
Entries of Appearance/Intervenors:	None	
Well Family	Saturninus wells	
Formation/Pool		
Formation Name(s) or Vertical Extent:	Bone Spring formation	
Primary Product (Oil or Gas):	Oil	
Pooling this vertical extent:	Bone Spring formation	
Pool Names and Pool Codes:	Laguna Salado; Bone Spring Pool (Pool code 96721)	
Well Location Setback Rules:	Statewide rules	
Spacing Unit Size:	240-acres, more or less	
Spacing Unit		
Type (Horizontal/Vertical)	Horizontal	
Size (Acres)	240-acres, more or less	
Building Blocks:	quarter-quarter sections	
Orientation:	North/South	
Description: TRS/County BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. A Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976	W/2 SW/4 of Section 10, and the W/2 W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico	
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes	
Other Situations		
Depth Severance: Y/N. If yes, description	Yes, only from a depth of 7,839 feet to the base of the Bone Spring formation	
Proximity Tracts: If yes, description	No	
Proximity Defining Well: if yes, description	N/A	
Applicant's Ownership in Each Tract	Exhibit C-3	

Received by OCD: 6/29/2021 5:57:40 PM	Page 4 of 10
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	
Well #1 Well #2	Saturninus Fed Com 1510 #121H well (API No. 30-015-pending) SHL:Unit M of Section 15, Township 23 South, Range 29 East, NMPM. BHL:Unit L of Section 10, Township 23 South, Range 29 East, NMPM. Completion Target: Bone Spring Well Orientation:north/south Completion Location expected to be:standard Saturninus Fed Com 1510 #131H well (API No. 30-015-pending) SHL:261 feet from the South line and 460 feet from the West line (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL:2510 feet from the South line and 330 feet from the West line (Unit
	L) of Section 10, Township 23 South, Range 29 East, NMPM. Completion Target: Bone Spring Well Orientation:north/south Completion Location expected to be:standard
Horizontal Well First and Last Take Points	Exhibit C-5
Completion Target (Formation, TVD and MD)	Exhibit C-5
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit D
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit E
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit C-4
Tract List (including lease numbers and owners)	Exhibit C-3
Pooled Parties (including ownership type)	Exhibit C-4
Unlocatable Parties to be Pooled	N/A
Released to Imaging: 6/30/2021 8:09:03 AM Ownership Depth Severance (including percentage above & below)	N/A

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Joinder	
Sample Copy of Proposal Letter	Exhibit C-5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-2
Chronology of Contact with Non-Joined Working Interests	Exhibit C-6
Overhead Rates In Proposal Letter	Exhibit C-5
Cost Estimate to Drill and Complete	Exhibit C-5
Cost Estimate to Equip Well	Exhibit C-5
Cost Estimate for Production Facilities	Exhibit C-5
Geology	
Summary (including special considerations)	See Case No. 21038
Spacing Unit Schematic	See Case No. 21038
Gunbarrel/Lateral Trajectory Schematic	See Case No. 21038
Well Orientation (with rationale)	See Case No. 21038
Target Formation	See Case No. 21038
HSU Cross Section	See Case No. 21038
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-2
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4
General Location Map (including basin)	See Case No. 21038
Well Bore Location Map	See Case No. 21038
Structure Contour Map - Subsea Depth	See Case No. 21038
Cross Section Location Map (including wells)	See Case No. 21038
Cross Section (including Landing Zone)	See Case No. 21038
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information pro	vided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Kaitlyn A. Luck
Signed Name (Attorney or Party Representative):	And hull

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 21975	APPLICANT'S RESPONSE	
Date: July 1, 2021		
Applicant	Novo Oil & Gas Northern Delaware, LLC	
Designated Operator & OGRID (affiliation if applicable)	372920	
Applicant's Counsel: Case Title	Holland & Hart, LLP APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21210 & R-21210-A, EDDY COUNTY, NEW MEXICO	
Entries of Appearance/Intervenors:	None	
Well Family	Saturninus wells	
Formation/Pool		
Formation Name(s) or Vertical Extent:	Bone Spring formation	
Primary Product (Oil or Gas):	Oil	
Pooling this vertical extent:	Bone Spring formation	
Pool Names and Pool Codes:	Laguna Salado; Bone Spring Pool (Pool code 96721)	
Well Location Setback Rules:	Statewide rules	
Spacing Unit Size:	240-acres, more or less	
Spacing Unit		
Type (Horizontal/Vertical)	Horizontal	
Size (Acres)	240-acres, more or less	
Building Blocks:	quarter-quarter sections	
Orientation:	North/South	
Description: TRS/County	E/2 SW/4 of Section 10, and the E/2 W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico	
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes	
Other Situations		
Depth Severance: Y/N. If yes, description	Yes, only from a depth of 7,839 feet to the base of the Bone Spring formation	
Proximity Tracts: If yes, description	No	
Proximity Defining Well: if yes, description	N/A	

Received by OCD: 6/29/2021 5:57:40 PM	Page 7 of 10.
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non- standard)	
Well #1	Saturninus Fed Com 1510 #122H well (API No. 30-015-pending) SHL:Unit M of Section 15, Township 23 South, Range 29 East, NMPM. BHL:Unit F of Section 10, Township 23 South, Range 29 East, NMPM. Completion Target: Bone Spring Well Orientation:north/south Completion Location expected to be:standard
Well #2	Saturninus Fed Com 1510 #132H well (API No. 30-015-pending)SHL:242 feet from the South line and 538 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL:2630 feet from the South line and 1870 feet from the West line, (Unit F) of Section 10, Township 23 South, Range 29 East, NMPM.Completion Target: Bone Spring Well Orientation:north/south Completion Location expected to be:standard
Horizontal Well First and Last Take Points	Exhibit C-5
Completion Target (Formation, TVD and MD)	Exhibit C-5
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit D
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit E
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit C-4
Tract List (including lease numbers and owners)	Exhibit C-3
Pooled Parties (including ownership type)	Exhibit C-4
Unlocatable Parties to be Pooled	N/A
Sumership Deptinese (39/2021 8:09-03 AM Ownership Deptinese verance (including percentage above & below)	N/A

Received by OCD: 6/29/2021 5:57:40 PM	Page 8 o
Joinder	
Sample Copy of Proposal Letter	Exhibit C-5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-2
Chronology of Contact with Non-Joined Working Interests	Exhibit C-6
Overhead Rates In Proposal Letter	Exhibit C-5
Cost Estimate to Drill and Complete	Exhibit C-5
Cost Estimate to Equip Well	Exhibit C-5
Cost Estimate for Production Facilities	Exhibit C-5
Geology	
Summary (including special considerations)	See Case No. 21038
Spacing Unit Schematic	See Case No. 21038
Gunbarrel/Lateral Trajectory Schematic	See Case No. 21038
Well Orientation (with rationale)	See Case No. 21038
Target Formation	See Case No. 21038
HSU Cross Section	See Case No. 21038
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-2
Tracts	Exhibit C-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4
General Location Map (including basin)	See Case No. 21038
Well Bore Location Map	See Case No. 21038
Structure Contour Map - Subsea Depth	See Case No. 21038
Cross Section Location Map (including wells)	See Case No. 21038
Cross Section (including Landing Zone)	See Case No. 21038
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information pro	vided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Kaitlyn A. Luck
Signed Name (Attorney or Party Representative):	Ann hull

COMPULSORY POOLING APPLICATION CHECKLIST (pdf)

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ALL INFORMATION IN THE APPLICATION MUST BE	SUPPORTED BY SIGNED AFFIDAVITS
Case: 21976	APPLICANT'S RESPONSE
Date: July 1, 2021	
Applicant	Novo Oil & Gas Northern Delaware, LLC
Designated Operator & OGRID (affiliation if applicable)	372920
Applicant's Counsel: Case Title	Holland & Hart, LLP APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21211 & R-21211-A, EDDY COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	None
Well Family	Saturninus wells
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp formation
Primary Product (Oil or Gas):	Gas
Pooling this vertical extent:	Wolfcamp formation
Pool Names and Pool Codes:	Purple Sage-Wolfcamp Gas Pool [98220]
Well Location Setback Rules:	Statewide rules
Spacing Unit Size:	480-acres, more or less
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	480-acres, more or less
Building Blocks:	quarter sections
Orientation:	North/South
Description: TRS/County	SW/4 of Section 10, and the W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	Exhibit C-3
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard) Well #1	Saturninus Fed Com 1510 #211H well (API No. 30-015-pending) SHL:261 feet from the South line and 460 feet from the West line, (Unit
Released to Imaging: 6/30/2021 8:09:03 AM	M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL:2510 feet from the South line and 330 feet from the West line, (Ur L) of Section 10, Township 23 South, Range 29 East, NMPM. Completion Target: Wolfcamp Well Orientation:north/south Completion Location expected to be:standard

<i>eceived by OCD: 6/29/2021 5:57:40 PM</i> Vell #2	Saturninus Fed Com 1510 #212H well (API No. 30-015-pending) SHL:252 feet from the South line and 499 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL:2510 feet from the South line and 1122 feet from the West line, (Unit L) of Section 10, Township 23 South, Range 29 East, NMPM.
	Completion Target: Wolfcamp Well Orientation:north/south Completion Location expected to be:standard
Vell #3	Saturninus Fed Com 1510 #215H well (API No. 30-015-pending) SHL:238 feet from the South line and 557 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL:2510 feet from the South line and 1914 feet from the West line, (Unit K) of Section 10, Township 23 South, Range 29 East, NMPM. Completion Target: Wolfcamp Well Orientation:north/south Completion Location expected to be:standard
Vell #4	Saturninus Fed Com 1510 #221H well (API No. 30-015-pending) SHL:256 feet from the South line and 479 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL:2510 feet from the South line and 726 feet from the West line, (Unit K) of Section 10, Township 23 South, Range 29 East, NMPM.
	Completion Target: Wolfcamp Well Orientation:north/south Completion Location expected to be:standard
Vell #5	Saturninus Fed Com 1510 #222H well (API No. 30-015-pending) SHL:247 feet from the South line and 518 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL:2510 feet from the South line and 1518 feet from the West line, (Unit K) of Section 10, Township 23 South, Range 29 East, NMPM. Completion Target: Wolfcamp
	Well Orientation:north/south Completion Location expected to be:standard
Vell #6	Saturninus Fed Com 1510 #225H well (API No. 30-015-pending) SHL:233 feet from the South line and 557 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL:2510 feet from the South line and 2310 feet from the West line, (Unit K) of Section 10, Township 23 South, Range 29 East, NMPM.
	Completion Target: Wolfcamp Well Orientation:north/south Completion Location expected to be:standard
Vell #7	Saturninus Fed Com 1510 #231H well (API No. 30-015-pending) SHL:200 feet from the South line and 718 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL:2510 feet from the South line and 330 feet from the West line, (Unit L) of Section 10, Township 23 South, Range 29 East, NMPM. Completion Target: Wolfcamp Well Orientation:north/south Completion Location expected to be:standard
Vell #8	Saturninus Fed Com 1510 #232H well (API No. 30-015-pending) SHL:191 feet from the South line and 757 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL:2510 feet from the South line and 1122 feet from the West line, (Unit L) of Section 10, Township 23 South, Range 29 East, NMPM.
	Completion Target: Wolfcamp Well Orientation:north/south Completion Location expected to be:standard
Vell #9	Saturninus Fed Com 1510 #235H well (API No. 30-015-pending) SHL:182 feet from the South line and 796 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.
	BHL:2510 feet from the South line and 1914 feet from the West line, (Unit K) of Section 10, Township 23 South, Range 29 East, NMPM.
	Completion Target: Wolfcamp Well Orientation:north/south Completion Location expected to be:standard

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bur Map - Subsea Depth See Case No. 21038 bocation Map (including wells) See Case No. 21038 ncluding Landing Zone) See Case No. 21038 rmation N/A Ins/Stipulations N/A N: I hereby certify that the information provided in this checklist is completed (Attorney or Party Representative): Kaitlyn A. Luck	te and accurate.
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and Tables	
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o Equip Well Exhibit C-5	
o Drill and Complete Exhibit C-5	
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Contact with Non-Joined Working Interests Exhibit C-6	
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Proposal Letter Exhibit C-5	
Proposal Letter Euclidean	
th Severance (including percentage above & below) N/A	
rties to be Pooled N/A	
(including ownership type) Exhibit C-4	
ding lease numbers and owners) Exhibit C-3	
o Schematic of the Spacing Unit Exhibit C-4	
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Notice of Hearing (20 days before hearing) Exhibit D	
e of Hearing Exhibit A	
ng 200%	
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Supervision Costs Exhibit C	
ervision/Month \$ \$800	
Operating Costs sion/Month \$ \$8,000	

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APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21209 & R-21209-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21974

APPLICATION

Novo Oil & Gas Northern Delaware, LLC ("Novo" or "Applicant") (OGRID No. 372920), through its undersigned attorneys, hereby files this application with the Oil Conservation Division to amend Order Nos. R-21209 and R-21209-A ("Orders") to approve a standard 240-acre, more or less, horizontal spacing unit comprised of the W/2 SW/4 of Section 10, and the W/2 W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, and pooling all interests under the terms of the Orders. In support of its application, Novo states:

1. Division Order No. R-21209, entered on April 9, 2020, in Case No. 21038, created a standard 320-acre, more or less, horizontal spacing unit comprised of the W/2 W/2 of Sections 10 and 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico (the "Unit"), and designated Novo as operator of the Unit.

2. Order No. R-21209 further pooled the uncommitted interests in the Bone Spring formation, only from a depth of 7,839 feet to the base of the Bone Spring formation, in the Laguna Salado; Bone Spring pool [96721], in the Unit and dedicated the Unit to the following proposed initial wells: (1) the Saturninus Fed Com 1510 #121H well (API No. 30-015-pending), and (2) the Saturninus Fed Com 1510 #131H well (API No. 30-015-pending).

3. Order No. R-21209-A entered on April 13, 2021 extended the drilling deadline under the Orders to April 9, 2022. BEFORE THE OIL CONSERVATION DIVISION

EFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976 4. Applicant requests that the Orders be re-opened and the approved spacing unit under the order be amended.

5. Since the entry of Orders, Applicant has determined it is prudent to drill mile and a half wells in this spacing unit, rather than the two-mile wells initially proposed.

6. For that reason, Applicant now seeks to dedicate the standard horizontal spacing unit underlying the W/2 SW/4 of Section 10, and the W/2 W/2 of Section 15 to the proposed initial wells.

7. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.

8. Approval of this application is in the best interest of conservation, the prevention of waste, and the protection of correlative rights.

9. In order to protect correlative rights and to permit Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this standard spacing unit should be pooled, and Applicant should be designated the operator of the initial horizontal well and standard spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on July 1, 2021, and, after notice and hearing as required by law, the Division enter an order approving the amended spacing unit.

Respectfully submitted,

HOLLAND & HART LLP



By:____

Michael H. Feldewert Adam G. Rankin Julia Broggi Kaitlyn A. Luck Post Office Box 2208 Santa Fe, New Mexico 87504-2208 (505) 988-4421 (505) 983-6043 Facsimile mfeldewert@hollandhart.com agrankin@hollandhart.com jbroggi@hollandhart.com

ATTORNEYS FOR NOVO OIL & GAS NORTHERN DELAWARE, LLC

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21210 & 21210-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21975

APPLICATION

Novo Oil & Gas Northern Delaware, LLC ("Novo" or "Applicant") (OGRID No. 372920), through its undersigned attorneys, hereby files this application with the Oil Conservation Division to amend Order Nos. R-21210 and R-21210-A ("Orders") to approve a standard 240-acre, more or less, horizontal spacing unit comprised of the E/2 SW/4 of Section 10, and the E/2 W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, and pooling all interests under the terms of the Orders. In support of its application, Novo states:

1. Division Order No. R-21210, entered on April 9, 2020, in Case No. 21039, created a standard 320-acre, more or less, horizontal spacing unit comprised of the E/2 W/2 of Sections 10 and 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico (the "Unit"), and designated Novo as operator of the Unit.

2. Order No. R-21210 further pooled the uncommitted interests in the Bone Spring formation, only from a depth of 7,839 feet to the base of the Bone Spring formation, in the Laguna Salado; Bone Spring pool [96721], in the Unit and dedicated the Unit to the following proposed initial wells: (1) the Saturninus Fed Com 1510 #122H well (API No. 30-015-pending), and (2) the Saturninus Fed Com 1510 #132H well (API No. 30-015-pending).

3. Order No. R-21210-A entered on April 13, 2021 extended the drilling deadline under the Orders to April 9, 2022.

4. Applicant requests that the Orders be re-opened and the approved spacing unit under the order be amended.

5. Since the entry of Orders, Applicant has determined it is prudent to drill mile and a half wells in this spacing unit, rather than the two-mile wells initially proposed.

6. For that reason, Applicant now seeks to dedicate the standard horizontal spacing unit underlying the E/2 SW/4 of Section 10, and the E/2 W/2 of Section 15 to the proposed initial wells.

7. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.

8. Approval of this application is in the best interest of conservation, the prevention of waste, and the protection of correlative rights.

9. In order to protect correlative rights and to permit Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this standard spacing unit should be pooled, and Applicant should be designated the operator of the initial horizontal well and standard spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on July 1, 2021, and, after notice and hearing as required by law, the Division enter an order approving the amended spacing unit.

Respectfully submitted,

HOLLAND & HART LLP



By:____

Michael H. Feldewert Adam G. Rankin Julia Broggi Kaitlyn A. Luck Post Office Box 2208 Santa Fe, New Mexico 87504-2208 (505) 988-4421 (505) 983-6043 Facsimile mfeldewert@hollandhart.com agrankin@hollandhart.com jbroggi@hollandhart.com

ATTORNEYS FOR NOVO OIL & GAS NORTHERN DELAWARE, LLC

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21211 & R-21211-A, EDDY COUNTY, NEW MEXICO.

CASE NO. <u>21976</u>

APPLICATION

Novo Oil & Gas Northern Delaware, LLC ("Novo" or "Applicant") (OGRID No. 372920), through its undersigned attorneys, hereby files this application with the Oil Conservation Division to amend Order Nos. R-21211 and 21211-A ("Orders") to approve a standard 480-acre, more or less, horizontal spacing unit comprised of the SW/4 of Section 10, and the W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, and pooling all interests under the terms of the Orders. In support of its application, Novo states:

1. Division Order No. R-21211, entered on April 9, 2020, in Case No. 21040, created a standard 640-acre, more or less, horizontal spacing unit comprised of the W/2 of Sections 10 and 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico (the "Unit"), and designated Novo as operator of the Unit.

Order No. R-21211 further pooled the uncommitted interests in the Wolfcamp formation in the (Purple Sage-Wolfcamp Gas Pool [98220], in the Unit and dedicated the Unit to the following proposed initial wells: (1) the Saturninus Fed Com 1510 #211H well (API No. 30-015-pending), (2) the Saturninus Fed Com 1510 #212H well (API No. 30-015-pending), (3) the Saturninus Fed Com 1510 #221H well (API No. 30-015-pending), (4) the Saturninus Fed Com 1510 #231H well (API No. 30-015-pending), (5) the Saturninus Fed Com 1510 #232H well (API No. 30-015-pending), (6) the Saturninus Fed Com 1510

#215H well (API No. 30-015-pending), (7) the Saturninus Fed Com 1510 #222H well (API No. 30-015-pending), (8) the Saturninus Fed Com 1510 #225H well (API No. 30-015-pending), and (9) the Saturninus Fed Com 1510 #235H well (API No. 30-015-pending).

3. Applicant requests that the Orders be re-opened and the approved spacing unit under the order be amended.

4. Since the entry of Orders, Applicant has determined it is prudent to drill mile and a half wells in this spacing unit, rather than the two-mile wells initially proposed.

5. For that reason, Applicant now seeks to dedicate the standard horizontal spacing unit underlying the SW/4 of Section 10, and the W/2 of Section 15 to the proposed initial wells.

6. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.

7. Approval of this application is in the best interest of conservation, the prevention of waste, and the protection of correlative rights.

8. In order to protect correlative rights and to permit Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this standard spacing unit should be pooled, and Applicant should be designated the operator of the initial horizontal well and standard spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on July 1, 2021, and, after notice and hearing as required by law, the Division enter an order approving the amended spacing unit.

Respectfully submitted,

HOLLAND & HART LLP



By:____

Michael H. Feldewert Adam G. Rankin Julia Broggi Kaitlyn A. Luck Post Office Box 2208 Santa Fe, New Mexico 87504-2208 (505) 988-4421 (505) 983-6043 Facsimile mfeldewert@hollandhart.com agrankin@hollandhart.com jbroggi@hollandhart.com kaluck@hollandhart.com

ATTORNEYS FOR NOVO OIL & GAS NORTHERN DELAWARE, LLC

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21209 & R-21209-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21974 (formerly Cases 21038, 21741)

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21210 & 21210-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21975 (formerly Cases 21039, 21742)

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21211 & R-21211-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21976 (formerly Cases 21040, 21743)

AFFIDAVIT OF BRANDON PATRICK IN SUPPORT OF CASE NOS. 21974-21976

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.

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976

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I am familiar with the applications filed by Novo in Case Nos. 21974, 21975, and
 21976, and I am familiar with the status of the lands in the subject area.

4. In each of these cases, Novo initially applied for and received approval of standard horizontal spacing units for the development of two-mile horizontal wells, under the terms of Division Order Nos. R-21209, R-21209-A, R-21210, R-21210-A, R-21211, R-21211-A, which are attached as **Novo Exhibit C-1**. Since the entry of Division Order Nos. R-21209, R-21209-A, R-21210, R-21210-A, R-21210-A, R-21211, R-21211-A, Novo has determined it is prudent to request approval of smaller spacing units to allow for the development of a mile and a half horizontal wells, and the tract that Novo is excluding from the development in the NW/4 of Section 10 is owned 100% by Novo. In the NW/4 of Section 10, Novo Minerals, LP owns the minerals, and Novo Oil & Gas Northern Delaware, LLC owns the lease covering those minerals. There are no overriding royalty interest owners in the NW/4 of Section 10.

5. None of the uncommitted parties has indicated opposition to these pooling applications, and I do not expect any opposition at the hearing to presenting these cases by affidavits.

6. In **Case No. 21974**, Novo seeks to amend Order Nos. R-21209 and R-21209-A to allow for a standard 240-acre, more or less, horizontal spacing unit comprised of the W/2 SW/4 of Section 10, and the W/2 W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, under the terms of the orders.

7. Order No. R-21209, entered on April 9, 2020, in Case No. 21038, created a standard 320-acre, more or less, horizontal spacing unit comprised of the W/2 W/2 of Sections 10 and 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, and designated Novo as operator of the unit. Order No. R-21209 pooled the uncommitted interests in a portion of the Bone

Spring formation (Laguna Salado; Bone Spring pool [96721]), only from a depth of 7,839 feet to the base of the Bone Spring formation, and dedicated the unit to the proposed initial wells: (1) the **Saturninus Fed Com 1510 #121H well** (API No. 30-015-pending), and (2) the **Saturninus Fed Com 1510 #131H well** (API No. 30-015-pending).

8. Order No. R-21209-A entered on April 13, 2021 extended the drilling deadline under the Orders to April 9, 2022.

9. Since the entry of Order No. R-21209 and R-21209-A, Novo has determined that it is prudent to exclude the W/2 NW/4 of Section 10 from this standard horizontal spacing unit to allow for the drilling of mile and a half wells.

10. In **Case No. 21975**, Novo seeks to amend Order Nos. R-21210 and R-21210-A to allow for a standard 240-acre, more or less, horizontal spacing unit comprised of the E/2 SW/4 of Section 10, and the E/2 W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, under the terms of the orders.

11. Order No. R-21210, entered on April 9, 2020, in Case No. 21039, created a standard 320-acre, more or less, horizontal spacing unit comprised of the E/2 W/2 of Sections 10 and 15, and designated Novo as operator of the unit.

12. Order No. R-21210 further pooled the uncommitted interests in the Bone Spring formation (Laguna Salado; Bone Spring pool [96721]), only from a depth of 7,839 feet to the base of the Bone Spring formation, in the unit and dedicated the unit to the following proposed initial wells: (1) the Saturninus Fed Com 1510 #122H well (API No. 30-015-pending), and (2) the Saturninus Fed Com 1510 #132H well (API No. 30-015-pending).

13. Order No. R-21210-A entered on April 13, 2021 extended the drilling deadline under the Orders to April 9, 2022.

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14. Since the entry of Order No. R-21210 and R-21210-A, Novo has determined that it is prudent to exclude the E/2 NW/4 of Section 10 from this standard horizontal spacing unit to allow for the drilling of mile and a half wells.

15. In **Case No. 21976**, Novo seeks to amend Order Nos. R-21211 and 21211-A to approve a standard 480-acre, more or less, horizontal spacing unit comprised of the SW/4 of Section 10, and the W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, under the terms of the orders.

16. Order No. R-21211, entered on April 9, 2020, in Case No. 21040, created a standard 640-acre, more or less, horizontal spacing unit comprised of the W/2 of Sections 10 and 15, and designated Novo as operator of the unit.

17. Order No. R-21211 further pooled the uncommitted interests in the Wolfcamp formation in the (Purple Sage-Wolfcamp Gas Pool [98220]), in the unit and dedicated the unit to the following proposed initial wells: (1) the **Saturninus Fed Com 1510 #211H well** (API No. 30-015-pending), (2) the **Saturninus Fed Com 1510 #212H well** (API No. 30-015-pending), (3) the **Saturninus Fed Com 1510 #221H well** (API No. 30-015-pending), (4) the **Saturninus Fed Com 1510 #232H well** (API No. 30-015-pending), (5) the **Saturninus Fed Com 1510 #232H well** (API No. 30-015-pending), (6) the **Saturninus Fed Com 1510 #215H well** (API No. 30-015-pending), (7) the **Saturninus Fed Com 1510 #222H well** (API No. 30-015-pending), (8) the **Saturninus Fed Com 1510 #225H well** (API No. 30-015-pending), and (9) the **Saturninus Fed Com 1510 #235H well** (API No. 30-015-pending).

18. Order No. R-21211-A entered on April 13, 2021 extended the drilling deadline under the Orders to April 9, 2022.

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19. Since the entry of Order No. R-21211 and R-21211-A, Novo has determined that it is prudent to exclude the NW/4 of Section 10 from this standard horizontal spacing unit to allow for the drilling of mile and a half wells.

20. Novo has prepared draft Form C-102s to file with the Division for the proposed wells in both Case Nos. 21974, 21975, and 21976, which are attached to this affidavit as Novo Exhibit C-2.

21. Novo Exhibit C-3 identifies the tracts of land comprising the proposed horizontal spacing units in Case Nos. 21974, 21975, and 21976 that include both fee and federal lands. This exhibit shows the working interest owners that Novo seeks to pool under the terms of the existing orders into this smaller standard spacing unit, and provides a tract recapitulation. There are no unleased interests in this acreage. Novo Exhibit C-3 also identifies the overriding royalty interest owners by tract that Novo seeks to pool in Case Nos. 21974, 21975, and 21976.

22. Novo Exhibit C-4 provides a recapitulation showing the percentage of each interest in the proposed spacing units in Case Nos. 21974, 21975, and 21976. There is a depth severance in the Bone Spring formation underlying this acreage and the offsetting interest owners were provided notice of each of the Bone Spring applications. There is not a depth severance in the Wolfcamp formation underlying this acreage.

23. A copy of the well proposal letter for the wells in **Case Nos. 21974, 21975,** and **21976**, along with the corresponding AFEs, is attached as **Novo Exhibit C-5**. The costs reflected in the AFEs attached as Novo Exhibit C-5 are consistent with what Novo and other operators have incurred for drilling similar horizontal wells in the area.

24. 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

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owners in **Case Nos. 21974, 21975,** and **21976**. **Exhibit C-6** contains a summary chronology of many of Novo's contacts with the uncommitted working interest owners that Novo seeks to pool in the smaller standard spacing units in these cases. In my opinion, Novo has undertaken good faith efforts to reach an agreement with the uncommitted interest owners in **Case Nos. 21974, 21975,** and **21976**.

25. For **Case Nos. 21974, 21975,** and **21976**, 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.

26. Novo requests that all remaining provisions of Division Order Nos. R-21209, R-21210, and R-21211, remain in effect.

27. Novo Exhibits C-1 through C-6 were either prepared by me or compiled under my direction and supervision.

FURTHER AFFIANT SAYETH NOT.

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BRANDON PATRICK

STATE OF OKLAHOMA

COUNTY OF OKLAHOMA

SUBSCRIBED and SWORN to before me this 29 day of June 2021 by

)

Brandon Patrick.



NOTARY PUBLIC

My Commission Expires:

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IN THE MATTER OF APPLICATION FOR COMPULSORY POOLING SUBMITTED BY NOVO OIL & GAS NORTHERN DELAWARE, LLC

CASE NO. 21038 ORDER NO. R-21209

<u>ORDER</u>

The Director of the New Mexico Oil Conservation Division ("OCD"), having heard this matter through a Hearing Examiner on February 20th, 2020, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

FINDINGS OF FACT

- 1. Novo Oil & Gas Northern Delaware, LLC ("Operator") submitted an application ("Application") to compulsorily pool the uncommitted oil and gas interests within the spacing unit ("Unit") described in Exhibit A. The Unit is expected to be a standard horizontal spacing unit. 19.15.16.15(B) NMAC. Operator seeks to be designated the operator of the Unit.
- 2. Operator will dedicate the well(s) described in Exhibit A ("Well(s)") to the Unit.
- 3. Operator proposes the supervision and risk charges for the Well(s) described in Exhibit A.
- 4. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice was given.
- 5. The Application was heard by the Hearing Examiner on the date specified above during which Operator presented evidence in support of the Application and its intention to utilize a "wine-rack" pattern for the spacing unit's proposed wells. Titus Oil & Gas Production, LLC ("Titus") submitted competing Applications (Case Nos. 20833 and 20835) which were withdrawn prior to hearing. Titus nevertheless appeared at hearing to present evidence taking exception to Operator's drilling plan and the number of wells proposed for the spacing unit, which it argued were too many and would result in waste.
- 6. Operator seeks a depth severance as described in Exhibit A

CONCLUSIONS OF LAW

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C1 Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976

- 7. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.
- 8. Operator is the owner of an oil and gas working interest within the Unit.
- 9. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.
- 10. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.
- 11. Operator has the right to drill the Well(s) to a common source of supply at the depth(s) and location(s) in the Unit described in Exhibit A.
- 12. The Unit contains separately owned uncommitted interests in oil and gas minerals.
- 13. Some of the owners of the uncommitted interests have not agreed to commit their interests to the Unit. Operator seeks approval of a spacing unit, not a specific drilling program or wells; Operator's proposed drilling plan and wells are, by definition, subject to change and may not be drilled at all. The competing cases of Titus Oil & Gas Production, LLC have been withdrawn; the evidence presented at hearing is not sufficient to deny granting Operator's Application.
- 14. The pooling of uncommitted interests in the Unit will prevent waste and protect correlative rights, including the drilling of unnecessary wells.
- 15. This Order affords to the owner of an uncommitted interest the opportunity to produce his just and equitable share of the oil or gas in the pool.

ORDER

- 16. The uncommitted interests in the Unit are pooled as set forth in Exhibit A.
- 17. The Unit shall be dedicated to the Well(s) set forth in Exhibit A.
- 18. Operator is designated as operator of the Unit and the Well(s).
- 19. If the location of a well will be unorthodox under the spacing rules in effect at the time of completion, Operator shall obtain the OCD's approval for a non-standard location in accordance with 19.15.16.15(C) NMAC.
- 20. The Operator shall commence drilling the Well(s) within one year after the date of this Order, and complete each Well no later than one (1) year after the commencement of drilling the Well.

- 21. This Order shall terminate automatically if Operator fails to comply with Paragraph 19 unless Operator obtains an extension by an amendment of this Order for good cause shown.
- 22. The infill well requirements in 19.15.13.9 NMAC through 19.15.13.12 NMAC shall be applicable.
- 23. Operator shall submit to each owner of an uncommitted working interest in the pool ("Pooled Working Interest") an itemized schedule of estimated costs to drill, complete, and equip the well ("Estimated Well Costs").
- 24. No later than thirty (30) days after Operator submits the Estimated Well Costs, the owner of a Pooled Working Interest shall elect whether to pay its share of the Estimated Well Costs or its share of the actual costs to drill, complete and equip the well ("Actual Well Costs") out of production from the well. An owner of a Pooled Working Interest who elects to pay its share of the Estimated Well Costs shall render payment to Operator no later than thirty (30) days after the expiration of the election period, and shall be liable for operating costs, but not risk charges, for the well. An owner of a Pooled Working Interest who elects to pay its share of the Actual Well Costs out of production from the well costs or who elects to pay its share of the Actual Well Costs out of production from the well shall be considered to be a "Non-Consenting Pooled Working Interest."
- 25. No later than one hundred eighty (180) days after Operator submits a Form C-105 for a well, Operator shall submit to OCD and each owner of a Pooled Working Interest an itemized schedule of the Actual Well Costs. The Actual Well Costs shall be considered to be the Reasonable Well Costs unless OCD or an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If OCD or an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Reasonable Well Costs after public notice and hearing.
- 26. No later than sixty (60) days after the expiration of the period to file a written objection to the Actual Well Costs or OCD's order determining the Reasonable Well Costs, whichever is later, each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs shall pay to Operator its share of the Reasonable Well Costs that exceed the Estimated Well Costs, or Operator shall pay to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs that exceed the Estimated Well Costs its share of the Estimated Well Costs that exceed the Reasonable Well Costs.
- 27. The reasonable charges for supervision to drill and produce a well ("Supervision Charges") shall not exceed the rates specified in Exhibit A, provided however that the rates shall be adjusted annually pursuant to the COPAS form entitled "Accounting Procedure-Joint Operations."

- 28. No later than within ninety (90) days after Operator submits a Form C-105 for a well, Operator shall submit to OCD and each owner of a Pooled Working Interest an itemized schedule of the reasonable charges for operating and maintaining the well ("Operating Charges"), provided however that Operating Charges shall not include the Reasonable Well Costs or Supervision Charges. The Operating Charges shall be considered final unless OCD or an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If OCD or an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Operating Charges after public notice and hearing.
- 29. Operator may withhold the following costs and charges from the share of production due to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs: (a) the proportionate share of the Supervision Charges; and (b) the proportionate share of the Operating Charges.
- 30. Operator may withhold the following costs and charges from the share of production due to each owner of a Non-Consenting Pooled Working Interest: (a) the proportionate share of the Reasonable Well Costs; (b) the proportionate share of the Supervision and Operating Charges; and (c) the percentage of the Reasonable Well Costs specified as the charge for risk described in Exhibit A.
- 31. Operator shall distribute a proportionate share of the costs and charges withheld pursuant to paragraph 29 to each Pooled Working Interest that paid its share of the Estimated Well Costs.
- 32. Each year on the anniversary of this Order, and no later than ninety (90) days after each payout, Operator shall provide to OCD and each owner of a Non-Consenting Pooled Working Interest a schedule of the revenue attributable to a well and the Supervision and Operating Costs charged against that revenue.
- 33. Any cost or charge that is paid out of production shall be withheld only from the share due to an owner of a Pooled Working Interest. No cost or charge shall be withheld from the share due to an owner of a royalty interests. For the purpose of this Order, an unleased mineral interest shall consist of a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest.
- 34. Except as provided above, Operator shall hold the revenue attributable to a well that is not disbursed for any reason for the account of the person(s) entitled to the revenue as provided in the Oil and Gas Proceeds Payment Act, NMSA 1978, Sections 70-10-1 *et seq.*, and relinquish such revenue as provided in the Uniform Unclaimed Property Act, NMSA 1978, Sections 7-8A-1 *et seq.*
- 35. The Unit shall terminate if (a) the owners of all Pooled Working Interests reach a voluntary agreement; or (b) the well(s) drilled on the Unit are plugged and

abandoned in accordance with the applicable rules. Operator shall inform OCD no later than thirty (30) days after such occurrence.

36. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION



ADRIENNE SANDOVAL DIRECTOR AES/kms Date: 4/09/2020

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EXHIBIT "A"

Applicant:	Novo Oil & Gas Northern Delaware, LLC
Operator:	Novo Oil & Gas Northern Delaware, LLC (OGRID 372920)

Spacing Unit:	Horizontal Oil
Building Blocks:	quarter-quarter sections
Spacing Unit Size:	320 acres (more or less)
Orientation of Unit:	North/South

Spacing Unit Description:

W/2 W/2 of Sections 10 and 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico

Pooling this Vertical Extent:	Bone Spring Formation, excluding First Bone Spring Interval, from a depth of 7,839 feet to the base of the Bone Spring formation
Depth Severance? (Yes/No):	Yes, in the Bone Spring formation at 7,839 in the S/2 of the SW/4 of Section 10
Pool: Pool Spacing Unit Size: Governing Well Setbacks: Pool Rules:	Laguna Salado; Bone Spring Pool (96721) quarter-quarter sections Horizontal Oil Well Rules Apply Horizontal Well Rules Apply

Proximity Tracts: <u>No</u>

Monthly charge for supervision: While drilling: \$8000 While producing: \$800 As the charge for risk, 200 percent of reasonable well costs.

Proposed Wells:

Saturninus Fed Com 1510 Well No. 121H, API No. 30-015-Pending

SHL: 243 feet from the South line and 543 feet from the West line,(Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL: 50 feet from the North line and 330 feet from the West line,(Unit D) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Bone Spring Formation at approx 8,696 feet TVD. Well Orientation: South to North Completion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 131H, API No. 30-015-Pending

SHL: 234 feet from the South line and 581 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.

BHL: 50 feet from the North line and 330 feet from the West line, (Unit D) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Bone Spring Formation at approx 9,916 feet TVD.Well Orientation:South to NorthCompletion Location expected to be: standard

CASE NO. 21038 ORDER NO. R-21209

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IN THE MATTER OF APPLICATION FOR COMPULSORY POOLING SUBMITTED BY NOVO OIL & GAS NORTHERN DELAWARE, LLC

CASE NO. 21741 ORDER NO. R-21209-A

<u>ORDER</u>

The Director of the New Mexico Oil Conservation Division ("OCD"), having heard this matter through a Hearing Examiner on April 8, 2021, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

FINDINGS OF FACT

- 1. Novo Oil & Gas Northern Delaware, LLC ("Operator") submitted an application ("Application") requesting an extension to drill the well(s) as required by Order R-21209.
- 2. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice of the Application was given.
- 3. The Application was heard by the Hearing Examiner, during which Operator presented evidence through affidavits in support of the Application. No other party presented evidence at the hearing.

CONCLUSIONS OF LAW

- 4. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.
- 5. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.
- 6. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.

<u>ORDER</u>

- 7. The period to drill the well is extended until April 9, 2022.
- 8. This Order shall terminate automatically if Operator fails to comply with Paragraph 7 unless prior to termination Operator applies, and OCD grants, to amend Order R-21209 for good cause shown.
- 9. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

AES/jag

10. The remaining provisions of Order R-21209 remain in force or effect.



Date: 4/13/2021

CASE NO. 21741 ORDER NO. R-21209-A

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

IN THE MATTER OF APPLICATION FOR COMPULSORY POOLING SUBMITTED BY NOVO OIL & GAS NORTHERN DELAWARE, LLC

CASE NO. 21039 ORDER NO. R-21210

<u>ORDER</u>

The Director of the New Mexico Oil Conservation Division ("OCD"), having heard this matter through a Hearing Examiner on February 20th, 2020, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

FINDINGS OF FACT

- 1. Novo Oil & Gas Northern Delaware, LLC ("Operator") submitted an application ("Application") to compulsorily pool the uncommitted oil and gas interests within the spacing unit ("Unit") described in Exhibit A. The Unit is expected to be a standard horizontal spacing unit. 19.15.16.15(B) NMAC. Operator seeks to be designated the operator of the Unit.
- 2. Operator will dedicate the well(s) described in Exhibit A ("Well(s)") to the Unit.
- 3. Operator proposes the supervision and risk charges for the Well(s) described in Exhibit A.
- 4. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice was given.
- 5. The Application was heard by the Hearing Examiner on the date specified above during which Operator presented evidence in support of the Application and its intention to utilize a "wine-rack" pattern for the spacing unit's proposed wells. Titus Oil & Gas Production, LLC ("Titus") submitted competing Applications (Case Nos. 20833 and 20835) which were withdrawn prior to hearing. Titus nevertheless appeared at hearing to present evidence taking exception to Operator's drilling plan and the number of wells proposed for the spacing unit, which it argued were too many and would result in waste.
- 6. Operator seeks a depth severance as described in Exhibit A

CONCLUSIONS OF LAW

- 7. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.
- 8. Operator is the owner of an oil and gas working interest within the Unit.
- 9. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.
- 10. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.
- 11. Operator has the right to drill the Well(s) to a common source of supply at the depth(s) and location(s) in the Unit described in Exhibit A.
- 12. The Unit contains separately owned uncommitted interests in oil and gas minerals.
- 13. Some of the owners of the uncommitted interests have not agreed to commit their interests to the Unit. Operator seeks approval of a spacing unit, not a specific drilling program or wells; Operator's proposed drilling plan and wells are, by definition, subject to change and may not be drilled at all. The competing cases of Titus Oil & Gas Production, LLC have been withdrawn; the evidence presented at hearing is not sufficient to deny granting Operator's Application.
- 14. The pooling of uncommitted interests in the Unit will prevent waste and protect correlative rights, including the drilling of unnecessary wells.
- 15. This Order affords to the owner of an uncommitted interest the opportunity to produce his just and equitable share of the oil or gas in the pool.

ORDER

- 16. The uncommitted interests in the Unit are pooled as set forth in Exhibit A.
- 17. The Unit shall be dedicated to the Well(s) set forth in Exhibit A.
- 18. Operator is designated as operator of the Unit and the Well(s).
- 19. If the location of a well will be unorthodox under the spacing rules in effect at the time of completion, Operator shall obtain the OCD's approval for a non-standard location in accordance with 19.15.16.15(C) NMAC.
- 20. The Operator shall commence drilling the Well(s) within one year after the date of this Order, and complete each Well no later than one (1) year after the commencement of drilling the Well.

- 21. This Order shall terminate automatically if Operator fails to comply with Paragraph 19 unless Operator obtains an extension by an amendment of this Order for good cause shown.
- 22. The infill well requirements in 19.15.13.9 NMAC through 19.15.13.12 NMAC shall be applicable.
- 23. Operator shall submit to each owner of an uncommitted working interest in the pool ("Pooled Working Interest") an itemized schedule of estimated costs to drill, complete, and equip the well ("Estimated Well Costs").
- 24. No later than thirty (30) days after Operator submits the Estimated Well Costs, the owner of a Pooled Working Interest shall elect whether to pay its share of the Estimated Well Costs or its share of the actual costs to drill, complete and equip the well ("Actual Well Costs") out of production from the well. An owner of a Pooled Working Interest who elects to pay its share of the Estimated Well Costs shall render payment to Operator no later than thirty (30) days after the expiration of the election period, and shall be liable for operating costs, but not risk charges, for the well. An owner of a Pooled Working Interest who elects to pay its share of the Actual Well Costs out of production from the well costs or who elects to pay its share of the Actual Well Costs out of production from the well shall be considered to be a "Non-Consenting Pooled Working Interest."
- 25. No later than one hundred eighty (180) days after Operator submits a Form C-105 for a well, Operator shall submit to OCD and each owner of a Pooled Working Interest an itemized schedule of the Actual Well Costs. The Actual Well Costs shall be considered to be the Reasonable Well Costs unless OCD or an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If OCD or an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Reasonable Well Costs after public notice and hearing.
- 26. No later than sixty (60) days after the expiration of the period to file a written objection to the Actual Well Costs or OCD's order determining the Reasonable Well Costs, whichever is later, each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs shall pay to Operator its share of the Reasonable Well Costs that exceed the Estimated Well Costs, or Operator shall pay to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs that exceed the Estimated Well Costs its share of the Estimated Well Costs that exceed the Reasonable Well Costs.
- 27. The reasonable charges for supervision to drill and produce a well ("Supervision Charges") shall not exceed the rates specified in Exhibit A, provided however that the rates shall be adjusted annually pursuant to the COPAS form entitled "Accounting Procedure-Joint Operations."

- 28. No later than within ninety (90) days after Operator submits a Form C-105 for a well, Operator shall submit to OCD and each owner of a Pooled Working Interest an itemized schedule of the reasonable charges for operating and maintaining the well ("Operating Charges"), provided however that Operating Charges shall not include the Reasonable Well Costs or Supervision Charges. The Operating Charges shall be considered final unless OCD or an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If OCD or an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Operating Charges after public notice and hearing.
- 29. Operator may withhold the following costs and charges from the share of production due to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs: (a) the proportionate share of the Supervision Charges; and (b) the proportionate share of the Operating Charges.
- 30. Operator may withhold the following costs and charges from the share of production due to each owner of a Non-Consenting Pooled Working Interest: (a) the proportionate share of the Reasonable Well Costs; (b) the proportionate share of the Supervision and Operating Charges; and (c) the percentage of the Reasonable Well Costs specified as the charge for risk described in Exhibit A.
- 31. Operator shall distribute a proportionate share of the costs and charges withheld pursuant to paragraph 29 to each Pooled Working Interest that paid its share of the Estimated Well Costs.
- 32. Each year on the anniversary of this Order, and no later than ninety (90) days after each payout, Operator shall provide to OCD and each owner of a Non-Consenting Pooled Working Interest a schedule of the revenue attributable to a well and the Supervision and Operating Costs charged against that revenue.
- 33. Any cost or charge that is paid out of production shall be withheld only from the share due to an owner of a Pooled Working Interest. No cost or charge shall be withheld from the share due to an owner of a royalty interests. For the purpose of this Order, an unleased mineral interest shall consist of a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest.
- 34. Except as provided above, Operator shall hold the revenue attributable to a well that is not disbursed for any reason for the account of the person(s) entitled to the revenue as provided in the Oil and Gas Proceeds Payment Act, NMSA 1978, Sections 70-10-1 *et seq.*, and relinquish such revenue as provided in the Uniform Unclaimed Property Act, NMSA 1978, Sections 7-8A-1 *et seq.*
- 35. The Unit shall terminate if (a) the owners of all Pooled Working Interests reach a voluntary agreement; or (b) the well(s) drilled on the Unit are plugged and

abandoned in accordance with the applicable rules. Operator shall inform OCD no later than thirty (30) days after such occurrence.

36. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

SANDOVAL

ADRIENNE SANDOVAL DIRECTOR AES/kms Date: 4/09/2020

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EXHIBIT "A"

Applicant:	Novo Oil & Gas Northern Delaware, LLC
Operator:	Novo Oil & Gas Northern Delaware, LLC (OGRID 372920)

Spacing Unit:	Horizontal Oil
Building Blocks:	quarter-quarter sections
Spacing Unit Size:	320 acres (more or less)
Orientation of Unit:	North/South

Spacing Unit Description:

E/2 W/2 of Sections 10 and 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico

Pooling this Vertical Extent:	Bone Spring Formation, excluding First Bone Spring Interval, from a depth of 7,839 feet to the base of the Bone Spring formation
Depth Severance? (Yes/No):	Yes, in the Bone Spring formation at 7,839 in the S/2 of the SW/4 of Section 10
Pool: Pool Spacing Unit Size: Governing Well Setbacks:	Laguna Salado; Bone Spring Pool (96721) quarter-quarter sections Horizontal Oil Well Rules Apply

Horizontal Well Rules Apply

Proximity Tracts: <u>No</u>

Monthly charge for supervision: While drilling: \$8000 While producing: \$800 As the charge for risk, <u>200</u> percent of reasonable well costs.

Proposed Wells:

Pool Rules:

Saturninus Fed Com 1510 Well No. 122H, API No. 30-015-Pending

SHL: 239 feet from the South line and 562 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL: 50 feet from the North line and 1870 feet from the West line, (Unit C) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Bone Spring Formation at approx 8,731 feet TVD. Well Orientation: South to North Completion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 132H, API No. 30-015-Pending

SHL: 229 feet from the South line and 601 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.

BHL: 50 feet from the North line and 1870 feet from the West line, (Unit C) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Bone Spring Formation at approx 9,936 feet TVD.Well Orientation:South to NorthCompletion Location expected to be: standard

CASE NO. 21039 ORDER NO. R-21210

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

IN THE MATTER OF APPLICATION FOR COMPULSORY POOLING SUBMITTED BY NOVO OIL & GAS NORTHERN DELAWARE, LLC

CASE NO. 21742 ORDER NO. R-21210-A

<u>ORDER</u>

The Director of the New Mexico Oil Conservation Division ("OCD"), having heard this matter through a Hearing Examiner on April 8, 2021, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

FINDINGS OF FACT

- 1. Novo Oil & Gas Northern Delaware, LLC ("Operator") submitted an application ("Application") requesting an extension to drill the well(s) as required by Order R-21210.
- 2. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice of the Application was given.
- 3. The Application was heard by the Hearing Examiner, during which Operator presented evidence through affidavits in support of the Application. No other party presented evidence at the hearing.

CONCLUSIONS OF LAW

- 4. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.
- 5. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.
- 6. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.

<u>ORDER</u>

- 7. The period to drill the well is extended until April 9, 2022.
- 8. This Order shall terminate automatically if Operator fails to comply with Paragraph 7 unless prior to termination Operator applies, and OCD grants, to amend Order R-21210 for good cause shown.
- 9. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

AES/jag

10. The remaining provisions of Order R-21210 remain in force or effect.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

E SANDOVAL DIRECTOR

Date: 4/13/2021

CASE NO. 21742 ORDER NO. R-21210-A

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

IN THE MATTER OF APPLICATION FOR COMPULSORY POOLING SUBMITTED BY NOVO OIL & GAS NORTHERN DELAWARE, LLC

CASE NO. 21040 ORDER NO. R-21211

<u>ORDER</u>

The Director of the New Mexico Oil Conservation Division ("OCD"), having heard this matter through a Hearing Examiner on February 20th, 2020, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

FINDINGS OF FACT

- 1. Novo Oil & Gas Northern Delaware, LLC ("Operator") submitted an application ("Application") to compulsorily pool the uncommitted oil and gas interests within the spacing unit ("Unit") described in Exhibit A. The Unit is expected to be a standard horizontal spacing unit. 19.15.16.15(B) NMAC. Operator seeks to be designated the operator of the Unit.
- 2. Operator will dedicate the well(s) described in Exhibit A ("Well(s)") to the Unit.
- 3. Operator proposes the supervision and risk charges for the Well(s) described in Exhibit A.
- 4. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice was given.
- 5. The Application was heard by the Hearing Examiner on the date specified above during which Operator presented evidence in support of the Application and its intention to utilize a "wine-rack" pattern for the spacing unit's proposed wells. Titus Oil & Gas Production, LLC ("Titus") submitted competing Applications (Case Nos. 20833 and 20835) which were withdrawn prior to hearing. Titus nevertheless appeared at hearing to present evidence taking exception to Operator's drilling plan and the number of wells proposed for the spacing unit, which it argued were too many and would result in waste.

CONCLUSIONS OF LAW

6. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.

- 7. Operator is the owner of an oil and gas working interest within the Unit.
- 8. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.
- 9. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.
- 10. Operator has the right to drill the Well(s) to a common source of supply at the depth(s) and location(s) in the Unit described in Exhibit A.
- 11. The Unit contains separately owned uncommitted interests in oil and gas minerals.
- 12. Some of the owners of the uncommitted interests have not agreed to commit their interests to the Unit. Operator seeks approval of a spacing unit, not a specific drilling program or wells; Operator's proposed drilling plan and wells are, by definition, subject to change and may not be drilled at all. The competing cases of Titus Oil & Gas Production, LLC have been withdrawn; the evidence presented at hearing is not sufficient to deny granting Operator's Application.
- 13. The pooling of uncommitted interests in the Unit will prevent waste and protect correlative rights, including the drilling of unnecessary wells.
- 14. This Order affords to the owner of an uncommitted interest the opportunity to produce his just and equitable share of the oil or gas in the pool.

<u>ORDER</u>

- 15. The uncommitted interests in the Unit are pooled as set forth in Exhibit A.
- 16. The Unit shall be dedicated to the Well(s) set forth in Exhibit A.
- 17. Operator is designated as operator of the Unit and the Well(s).
- 18. If the location of a well will be unorthodox under the spacing rules in effect at the time of completion, Operator shall obtain the OCD's approval for a non-standard location in accordance with 19.15.16.15(C) NMAC.
- 19. The Operator shall commence drilling the Well(s) within one year after the date of this Order, and complete each Well no later than one (1) year after the commencement of drilling the Well.
- 20. This Order shall terminate automatically if Operator fails to comply with Paragraph 19 unless Operator obtains an extension by an amendment of this Order for good cause shown.

- 21. The infill well requirements in 19.15.13.9 NMAC through 19.15.13.12 NMAC shall be applicable.
- 22. Operator shall submit to each owner of an uncommitted working interest in the pool ("Pooled Working Interest") an itemized schedule of estimated costs to drill, complete, and equip the well ("Estimated Well Costs").
- 23. No later than thirty (30) days after Operator submits the Estimated Well Costs, the owner of a Pooled Working Interest shall elect whether to pay its share of the Estimated Well Costs or its share of the actual costs to drill, complete and equip the well ("Actual Well Costs") out of production from the well. An owner of a Pooled Working Interest who elects to pay its share of the Estimated Well Costs shall render payment to Operator no later than thirty (30) days after the expiration of the election period, and shall be liable for operating costs, but not risk charges, for the well. An owner of a Pooled Working Interest who elects to pay its share of the Actual Well Costs out of production from the well costs or who elects to pay its share of the Actual Well Costs out of production from the well shall be considered to be a "Non-Consenting Pooled Working Interest."
- 24. No later than one hundred eighty (180) days after Operator submits a Form C-105 for a well, Operator shall submit to OCD and each owner of a Pooled Working Interest an itemized schedule of the Actual Well Costs. The Actual Well Costs shall be considered to be the Reasonable Well Costs unless OCD or an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If OCD or an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Reasonable Well Costs after public notice and hearing.
- 25. No later than sixty (60) days after the expiration of the period to file a written objection to the Actual Well Costs or OCD's order determining the Reasonable Well Costs, whichever is later, each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs shall pay to Operator its share of the Reasonable Well Costs that exceed the Estimated Well Costs, or Operator shall pay to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs that exceed the Estimated Well Costs that exceed the Estimated Well Costs.
- 26. The reasonable charges for supervision to drill and produce a well ("Supervision Charges") shall not exceed the rates specified in Exhibit A, provided however that the rates shall be adjusted annually pursuant to the COPAS form entitled "Accounting Procedure-Joint Operations."
- 27. No later than within ninety (90) days after Operator submits a Form C-105 for a well, Operator shall submit to OCD and each owner of a Pooled Working Interest an itemized schedule of the reasonable charges for operating and maintaining the well ("Operating Charges"), provided however that Operating Charges shall not

include the Reasonable Well Costs or Supervision Charges. The Operating Charges shall be considered final unless OCD or an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If OCD or an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Operating Charges after public notice and hearing.

- 28. Operator may withhold the following costs and charges from the share of production due to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs: (a) the proportionate share of the Supervision Charges; and (b) the proportionate share of the Operating Charges.
- 29. Operator may withhold the following costs and charges from the share of production due to each owner of a Non-Consenting Pooled Working Interest: (a) the proportionate share of the Reasonable Well Costs; (b) the proportionate share of the Supervision and Operating Charges; and (c) the percentage of the Reasonable Well Costs specified as the charge for risk described in Exhibit A.
- 30. Operator shall distribute a proportionate share of the costs and charges withheld pursuant to paragraph 29 to each Pooled Working Interest that paid its share of the Estimated Well Costs.
- 31. Each year on the anniversary of this Order, and no later than ninety (90) days after each payout, Operator shall provide to OCD and each owner of a Non-Consenting Pooled Working Interest a schedule of the revenue attributable to a well and the Supervision and Operating Costs charged against that revenue.
- 32. Any cost or charge that is paid out of production shall be withheld only from the share due to an owner of a Pooled Working Interest. No cost or charge shall be withheld from the share due to an owner of a royalty interests. For the purpose of this Order, an unleased mineral interest shall consist of a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest.
- 33. Except as provided above, Operator shall hold the revenue attributable to a well that is not disbursed for any reason for the account of the person(s) entitled to the revenue as provided in the Oil and Gas Proceeds Payment Act, NMSA 1978, Sections 70-10-1 *et seq.*, and relinquish such revenue as provided in the Uniform Unclaimed Property Act, NMSA 1978, Sections 7-8A-1 *et seq.*
- 34. The Unit shall terminate if (a) the owners of all Pooled Working Interests reach a voluntary agreement; or (b) the well(s) drilled on the Unit are plugged and abandoned in accordance with the applicable rules. Operator shall inform OCD no later than thirty (30) days after such occurrence.
- 35. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

ADRIENNE SANDOVAL

ADRIENNE SANDOVAL DIRECTOR AES/kms Date: 4/09/2020

CASE NO. 21040 ORDER NO. R-21211

.

EXHIBIT "A"

Applicant:	Novo Oil & Gas Northern Delaware, LLC
Operator:	Novo Oil & Gas Northern Delaware, LLC (OGRID 372920)

Spacing Unit:	Horizontal Gas
Building Blocks:	Half Section Equivalents
Spacing Unit Size:	640 acres (more or less)
Orientation of Unit:	North/South

Spacing Unit Description:

W/2 of Sections 10 and 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico

Pooling this Vertical Extent: <u>Wolfcamp Formation</u> Depth Severance? (Yes/No): <u>No</u>

Pool:	Purple Sage; Wolfcamp Gas (Pool code 98220)
Pool Spacing Unit Size:	Half Sections
Governing Well Setbacks:	Special Rules for the Purple Sage Gas Pool Apply
Pool Rules:	Purple Sage and Horizontal Well Rules

Proximity Tracts: <u>No</u>

Monthly charge for supervision: While drilling: \$8000 While producing: \$800 As the charge for risk, 200 percent of reasonable well costs.

Proposed Wells:

Saturninus Fed Com 1510 Well No. 211H, API No. 30-015-Pending

SHL: 224 feet from the South line and 620 feet from the West line,(Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL: 130 feet from the North line and 330 feet from the West line,(Unit D) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Wolfcamp at approx 10,066 feet TVD. Well Orientation: South to North Completion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 212H, API No. 30-015-Pending

SHL: 220 feet from the South line and 640 feet from the West line,(Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL: 130 feet from the North line and 1122 feet from the West line,(Unit D) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Wolfcamp at approx 10,091 feet TVD. Well Orientation: South to North Completion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 215H, API No. 30-015-Pending

SHL: 215 feet from the South line and 659 feet from the West line,(Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL: 130 feet from the North line and 1914 feet from the West line,(Unit C) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Wolfcamp at approx 10,106 feet TVD. Well Orientation: South to North Completion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 221H, API No. 30-015-Pending

SHL: 210 feet from the South line and 679 feet from the West line, (Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL: 130 feet from the North line and 726 feet from the West line, (Unit D) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Wolfcamp at approx 10,236 feet TVD. Well Orientation: South to North Completion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 222H, API No. 30-015-Pending

SHL: 205 feet from the South line and 698 feet from the West line,(Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL: 130 feet from the North line and 1518 feet from the West line,(Unit C) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Wolfcamp at approx 10,261 feet TVD. Well Orientation: South to North Completion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 225H, API No. 30-015-Pending

SHL: 201 feet from the South line and 718 feet from the West line,(Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL: 130 feet from the North line and 2310 feet from the West line,(Unit C) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Wolfcamp at approx 10,281 feet TVD.Well Orientation:South to NorthCompletion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 231H, API No. 30-015-Pending SHL: 305 feet from the South line and 600 feet from the West line,

(Unit M) of Section 15, Township 23 South, Range 29 East, NMPM. BHL: 130 feet from the North line and 330 feet from the West line, (Unit D) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Wolfcamp at approx 10,946 feet TVD.Well Orientation:South to NorthCompletion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 232H, API No. 30-015-Pending

SHL: 305 feet from the South line and 560 feet from the West line,(Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL: 130 feet from the North line and 1254 feet from the West line,(Unit D) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Wolfcamp at approx 10,961 feet TVD. Well Orientation: South to North Completion Location expected to be: standard

Saturninus Fed Com 1510 Well No. 235H, API No. 30-015-Pending

SHL: 305 feet from the South line and 520 feet from the West line,(Unit M) of Section 15, Township 23 South, Range 29 East, NMPM.BHL: 130 feet from the North line and 2178 feet from the West line,(Unit C) of Section 10, Township 23 South, Range 29 East, NMPM.

Completion Target: Wolfcamp at approx 10,976 feet TVD. Well Orientation: South to North Completion Location expected to be: standard

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

IN THE MATTER OF APPLICATION FOR COMPULSORY POOLING SUBMITTED BY NOVO OIL & GAS NORTHERN DELAWARE, LLC

CASE NO. 21743 ORDER NO. R-21211-A

<u>ORDER</u>

The Director of the New Mexico Oil Conservation Division ("OCD"), having heard this matter through a Hearing Examiner on April 8, 2021, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

FINDINGS OF FACT

- 1. Novo Oil & Gas Northern Delaware, LLC ("Operator") submitted an application ("Application") requesting an extension to drill the well(s) as required by Order R-21211.
- 2. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice of the Application was given.
- 3. The Application was heard by the Hearing Examiner, during which Operator presented evidence through affidavits in support of the Application. No other party presented evidence at the hearing.

CONCLUSIONS OF LAW

- 4. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.
- 5. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.
- 6. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.

<u>ORDER</u>

- 7. The period to drill the well is extended until April 9, 2022.
- 8. This Order shall terminate automatically if Operator fails to comply with Paragraph 7 unless prior to termination Operator applies, and OCD grants, to amend Order R-21211 for good cause shown.
- 9. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

10. The remaining provisions of Order R-21211 remain in force or effect.



Date: 4/13/2021

CASE NO. 21743 ORDER NO. R-21211-A

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District III 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	r		² Pool Code	2	' Pool Name					
⁴ Property (Code		⁵ Property Name								
				SAT	FURNINUS F	ED COM 1510			131H		
⁷ OGRID N	No.				⁸ Operato:	r Name				⁹ Elevation	
37292	0		NOV	0 OIL &	GAS NORTH	HERN DELAWA	RE, LLC			2967.8	
	» Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
М	15	23 S	29 E		265	SOUTH	440	WE	ST	EDDY	
		4	" B	ottom H	ole Location	If Different Fi	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
D	10	23 S	29 E	0	X	NORTH	330	WE	ST	EDDY	
¹¹ Dedicated Acre	s ¹³ Joint	or Infill	Consolidation	n Code	2630	SOUTH	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.

	1 S89'30'02"E 2656.4	49 FT S89'58'51"E 2656.94 FT		" OPERATOR CERTIFICATION
NW CORNER SEC. 10	-330'I BOITOM	N/4 CORNER SEC. 10 LAT. = 32.3270580'N	NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.9812888 W	POF HOLE	LONG. = 103.9726911W	LONG. = 103.9640914'W	best of my knowledge and belief, and that this organization either owns a
NMSP EAST (FT) & N = 482926.51 E = 650078.15	LTP	NMSP EAST (FT) N = 482903.35	C NMSP EAST (FT) Ω N = 482902.46 N E = 655390.29	working interest or unleased mineral interest in the land including the proposed
E = 650078.15		E = 652733.95		bottom hole location or has a right to drill this well at this location pursuant to
N. 6	1	BOTTOM OF HOLE	55°E	a contract with an owner of such a mineral or working interest, or to a
		LAT. = 32.327 076'N	io.	voluntary pooling agreement or a compulsory pooling onler heretofore entered
W/4 CORNER SEC. 10 LAT. = 32.3198035'N	1	LONG. = 103.9802202'W NNSP EAST (FI)	8 E/4 CORNER SEC. 10 LAT. = 32.3197322'N	by the division.
LONG. = 103.9812082'W 2 NMSP EAST (FT)	New	$\frac{ N = 482913.63}{ E = 650408.26}$	LONG. = 103.9640813'W	
N = 480255.49 E = 650111.81		LAST TAKE POINT	NMSP EAST (FT)	
E = 030111.01 ***	BHL	100' FNL, 330' FWL	E = 655402.59	Signature Date
.173	1 i	LAT. = 32.3268602'N LONG. = 103.9802175'W	N L = 000102.05	
A A	ק <u>ר</u> י − − − −		μ	Printed Name
19"	2.22	SEC 10	5,22	
SECTION CORNER	10462.	QUARTER CORNER	SECTION CORNER	E-mail Address
LAT. = 32.3124611'N 2 LONG. = 103.9811277W	N89'54'32"E	LAT! = 32.3124485'N LONG. = 103.9726020'W N89'54'30"E	₩ LAT. = 32.3124355'N LONG. = 103.9640725'W	
NNSP EAST (FT)	2634,19 FT	NMSP EAST (FT) 2635.67 FT	NNSP EAST (FT) ⊢ N = 477592.89	CLIDVEVOD CEDTIEICATION
N = 477584.48 L E = 650145.47		N ∓ 477588.67 E ≠ 652779.37	E = 655414.45	*SURVEYOR CERTIFICATION
	GRID. HORIZ.	SEC. 15	6.60	I hereby certify that the well location shown on this plat was
2657			2659	plotted from field notes of actual surveys made by me or under
18"E		FIRST TAKE POINT	38*5	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15 IAT. = 32.3051576'N		LAT. = 32.29810781 LONG. = 103.9801267 W	0.18	best of my belief.
	1 I	SATURNINUS FED	8 E/4 CORNER SEC. 15 LAT. = 32.3051253'N	JULY 27, 2020
LONG. == 103.9811617W NMSP EAST (FT)		$\frac{COM}{ELEV} = \frac{1510 \ 131H}{2967.8^{1}}$	LONG. ≕ 103.96405541W NMSP EAST (FT)	
N = 474927.51 E = 650143.69		$LAT_{1} = 32.2985619$ (NAD83) LONG. = 103.9797682 W	L: N = 474933.53	Date of Survey
6		NMSP EAST (FT)	E = 655428.87	
2665		N = 472529.47 E = 650582.13	2659.	ANAVIC PRIMER N
SW CORNER SEC. 15		S/4 CORNER SEC. 15		
LAT. = 32.2978334'N PLONG. = 103.9811958'W N	UN L SURF	ACE LAT. = 32.2978295'N TION LONG. = 103.9726188'W	SE CORNER SEC. 15 LAT. = 32.2978150N LONG. = 103.9640384'W	Signature and Seal of Protectional Surger:
NMSP EAST (FT)	I. LUCA	INMSP EAST (FT)	B NMSP EAST (FT)	Certificate Number: ALTON LARANGE OPPS 12797
N = 472263.03 E = 650141.91	- 440 FTP	N = 472270.41 E = 652792.08	M = 472274.17 E = 655443.28	PROFESSION NO. 7610C
	\$89'50'26'W 265	0.77 FT S89'55"08"W 2651.79 FT		

.

 1625 N. French Dr., Hobbs, NM 88240

 Phone: (575) 393-6161 Fax: (575) 393-0720

 District II

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 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

Page 57 of 103

District I

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 A	PI Number			² Pool Code		³ Pool Name				
⁴ Property (Code		⁵ Property Name							
				SAT	URNINUS FI	ED COM 1510				132H
⁷ OGRID N	lo.				⁸ Operator	Name				⁹ Elevation
37292	0		NOV	0 OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2971.4
¹⁰ Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
М	15	23 S	29 E		242	SOUTH	538	WE	ST	EDDY
			" B	ottom He	ole Location	If Different Fi	om Surface			•••••••••••••••••••••••••••••••••••••••
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
С	10	23 S	29 E		10	NORTH	1870	WE	ST	EDDY
¹² Dedicated Acre	s ¹³ Joint	or Infill	Consolidation	1 Code	2630	South	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.

	\$89'30'02"E 2656.49" FT \$89'58'51"E 2656.94 FT		" OPERATOR CERTIFICATION
NW CORNER SEC. 10 LAT. = 32.3271460'N		NE CORNER SEC. 10 LAT. = 32.3270307N	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.9812888 W	LONG. = 103.9726911W	LONG. = 103.9640914'W	best of my knowledge and belief, and that this organization either owns a
NMSP EAST (FT) & N = 482926.51 -	UTP I NMSP EAST (FT) LTP I N = 482903.35	$\frac{1}{2}$ NMSP EAST (FT) N = 482902.46	working interest or unleased mineral interest in the land including the proposed
N = 482926.51 E = 650078.15	E = 652733.95	E = 655390.29	bottom hole location or has a right to drill this well at this location pursuant to
M6	BOTTOM OF HOLE	200	a contract with an owner of such a mineral or working interest, or to a
W/4 CORNER SEC. 10	LONG. = 103.9752349 W		voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.3198035'N	i NMSP_EAST (FT) I N = 482900.21	B E/4 CORNER SEC. 10 LAT. = 32.3197322'N	by the division.
LONG. = $103.9812082^{\circ}W \xrightarrow{2}$ NMSP EAST (FT)	New - L E = 651948.21	LONG. = 103.9640813'W NMSP EAST (FT)	
N = 480255.49 E = 650111.81	LACT TAKE DOINT	= N = 480247.35	Signature Date
2 - 00011.01	LAT. = 32.3268092'N	E = 655402.59	Date
671	LONG. = 103.9752322'W	30997	
2			Printed Name
19	SEC 10		
SECTION CORNER	QUARTER CORNER	SECTION CORNER	E-mail Address
LAT. = 32.3124611'N 2 LONG. = 103.9811277W	NB9'54'32'E Z LAT! = 32.3124485'N LONG. = 103.9726020'W NB9'54'30'E	The second secon	
NMSP EAST (FT) N = 477584.48	2634.49 FT NM\$P EAST (FT) 2635.67 FT	NMSP EAST (FT) - N = 477592.89	*SURVEYOR CERTIFICATION
E = 650145.47	2 3 5 5 4 652770 37	E - 655/1/ /5	
57.5	문. 15 SEC 15	D L - 000+1+.+0 	I hereby certify that the well location shown on this plat was
26			plotted from field notes of actual surveys made by me or under
18.1	100' FSL, 1870' FWL	29	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15	LAT. = 32.2981056'N LONG. = 103.9751437W		best of my belief.
LAT. = 32.3051576'N 2 LONG. = 103.9811617W	SATURNINUS FED	B E/4 CORNER SEC. 15 LAT. = 32.3051253'N	JULY 27, 2020
NMSP EAST (FT)		LONG. = 103.9640554'W NMSP EAST (FT)	
N = 474927.51 E = 650143.69		= N = 474933.53	Date of Survey
5.07	NMSP EAST (FT)	D L = 600428.87	
266	N = 472506.91 E = 550679.54	765	ANNA STANKA
SW CORNER SEC. 15 H LAT. = 32.2978334'N 😤	N S/4 CORNER SEC. 15	E SE CORNER SEC. 15	
LONG. = 103.9811958 W	N. SURFACE LONG. = 103.9726188'W	CAT. = 32.2978150'N LONG. = 103.9640384'W	Signature and Seal of Workerional Support
NMSP EAST (FT) 6 N = 472263.03 2	LOCATION INMSP EAST (FT)	NMSP EAST (FT) N = 472274.17	Certificate Number: FILMONE JARAMELO, PJS 12797
E = 650141.91	5.38 FTP E = 652792.08	E = 655443.28	PROFESSION NO. 7611C
	\$89'50'26'W 2650.77 FT \$89'55'08'W 2651.79 FT		

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos 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	ſ	² Pool Code			³ Pool Name			
⁴ Property (Code			⁶ Well Number					
				SAT	URNINUS FI	ED COM 1510			211H
⁷ OGRID I	No.				⁸ Operator	Name			⁹ Elevation
37292	0		NOV	O OIL &	GAS NORTH	ERN DELAWA	RE, LLC		2969.2
" Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	15	23 S	29 E		261	SOUTH	460	WEST	EDDY
			۳Β	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
D	10	23 S	29 E		130	NORTH	330	WEST	EDDY
¹² Dedicated Acre	s ¹³ Joint	or Infill	Consolidation	n Code	2,510	SOUTH	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.

_	S89'30'02"E 2656.49 FT	S89'58'51"E 2656.94 FT		" OPERATOR CERTIFICATION
NW CORNER SEC. 10 ► LAT. = 32.3271460'N	330'	N/4 CORNER SEC. 10 LAT. = 32,3270580'N	NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.9812888 W		LONG. = 103.9726911'W	LONG. = 103.9640914'W	best of my knowledge and belief, and that this organization either owns a
NMSP EAST (FT) 8. N = 482926.51 5	OF HOLE	NMSP EAST (FT) N = 482903.35	P_{S} NMSP EAST (FT) S N = 482902.46 P_{S} E = 655390.29	working interest or unleased mineral interest in the land including the proposed
E = 650078.15		E = 652733.95	K E = 655390.29	bottom hole location or has a right to drill this well at this location pursuant to
A 6		BOTTOM OF HOLE	222	a contract with an owner of such a mineral or working interest, or to a
W/4 CORNER SEC. 10		$LAT_{.} = 32.3267777N$		voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.3198035'N			8 E/4 CORNER SEC. 10 LAT. = 32.3197322'N	by the division.
NMSP EAST (FT)		$-\frac{ N }{ E } = \frac{482793.64}{650409.77} $	LONG. = 103.9640813'W NMSP EAST (FT)	
N = 480255.49 E = 650111.81 ⊑	BHL	LAST TAKE POINT	h = 480247.35	Signature Date
.82		330' FNL, 330' FWL LAT. = 32.3262280'N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
267		LONG. = 103.9802106 W	265	
M. 6	7 F	SEC 10	22"E	Printed Name
43.1	20.1	SEC, 10	15	
SECTION CORNER S LAT. = 32.3124611'N 9	100	QUARTER CORNER LAT! = $32.3124485'N$	SECTION CORNER LAT. = 32.3124355 'N	E-mail Address
LONG. = 103.9811277W NMSP EAST (FT)	NB9'54'32"E	LONG. = 103.9726020W N89'54'30"E NMSP EAST (FT) 2635.67 FT	LONG. = 103.9640725'W NMSP EAST (FT)	
N = 477584.48 E E = 650145.47	SNB	N = 477588.67 E = 652779.37	K = 477592.89 E = 655414.45	¹⁸ SURVEYOR CERTIFICATION
.56	RID.		6 6	I hereby certify that the well location shown on this plat was
2657	8분	SEC. 15	2655	plotted from field notes of actual surveys made by me or under
تا ۳		FIRST TAKE POINT	ш "8	my supervision, and that the same is true and correct to the
02'1	i i	LAT. = 32.2987399'N	18'3	
W/4 CORNER SEC. 15 0 LAT. = 32.3051576'N 2	i i	LONG. = 103.9801238W SATURNINUS FBD	8 E/4 CORNER SEC. 15 LAT. = 32.3051253'N	best of my belief.
LONG. = 103.9811617W		COM 1510 211H	LONG. = 103.9640554'W	JULY 27, 2020
NMSP EAST (FT) N = 474927.51 E = 650143.69	i i	LAT. = 32.2985493'N (NAD83)	NMSP EAST (FT)	Date of Survey
07		LONG. = 103.9797052'W NM\$P EAST (FT)	E = 655428.87	
2665.	1 i	N = 472524.95 E = 650601.62	2659.	A NAVA CERTINAN A
SW CORNER SEC. 15		S/4 CORNER SEC. 15	4	
LAT. = 32.2978334'N PLONG. = 103.9811958'W	FTP	LAT. = 32.2978295'N LONG. = 103.9726188'W	₩ SE CORNER SEC. 15 % LAT. = 32.2978150'N ₩ LONG. = 103.9640384'W	Signature and Seal of United in all the second
NMSP EAST (FT) 0 N = 472263.03	LOCATIO		NMSP EAST (FT) N = 472274.17	Certificate Number: DATASAN JARAMAC (C.P.IS 12797
E = 650141.91	460'	E = 652792.08	E = 655443.28	PROFESSURIUM NO. 7975A
	\$89'50'26'W 2650.77	7 FT S89'55'08"W 2651.79 FT		

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (\$75) 393-6161 Fax: (\$75) 393-0720 District III 811 S. First St., Artesia, NM 88210 Phone: (\$75) 748-1283 Fax: (\$75) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (\$50) 334-6178 Fax: (\$50) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (\$50) 476-3460 Fax: (\$50) 476-3462

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Number			² Pool Code	2		³ Pool Na	me			
⁴ Property (Code				⁵ Property	Name		1	⁶ Well Number		
				SAT	URNINUS FI	ED COM 1510			212H		
⁷ OGRID N	No.	⁸ Operator Name								⁹ Elevation	
37292	0		NOV	0 OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2969.9	
	» Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
Μ	15	23 S	29 E		252	SOUTH	499	WES	ST	EDDY	
			۳Β	ottom H	ole Location	If Different Fi	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
D	10	23 S	29 E		130	NORTH	1122	WES	ST	EDDY	
¹² Dedicated Acre	s ¹³ Joint	or Infill	Consolidation	n Code	2,510	SOUTH	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.

	\$89'30'02'E 2656.49 FT \$89'58'51"E 2656.94 FT	" OPERATOR CERTIFICATION
NW CORNER SEC. 10 LAT. = 32.3271460'N	1122' N/4 CORNER SEC. 10 NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.9812888 W	LONG. = 103.9726911'W LONG. = 103.9640914'W	best of my knowledge and belief, and that this organization either owns a
NMSP EAST (FT) & N = 482926.51 -	$ \begin{array}{c} & & \\ & & $	working interest or unleased mineral interest in the land including the proposed
E = 650078.15	- $ -$	bottom hole location or has a right to drill this well at this location pursuant to
A6	BOTTOM OF HOLE 50 LAT. = 32.3261515'N 50	a contract with an owner of such a mineral or working interest, or to a
W/4 CORNER SEC. 10	LAT. = 32.3267515'N LONG. = 103.9776527W & F/4 CORNER SEC. 10	voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.3198035'N	NNSP EAST (FT) LAT. = 32.3197322'N	by the division.
NMSP EAST (FT)	$ _{E} = \frac{1}{651201.75} _{E} - \frac{1}{1000} = \frac{1}{103.9640813W}$	
N = 480255.49 E = 650111.81	LAST TAKE POINT = 480247.35	Signature Date
82	Image: Solution of the second secon	
267	Z (1) LONG. = 103.97/76467W	
2		Printed Name
5.15		
SECTION CORNER S	QUARTER CORNER OF LAT. = 32.3124485 N	E-mail Address
LONG. = 103.9811277W	N89'54'32"E LONG. = 103.9726020W N89'54'30"E LONG. = 103.9640725W	
NMSP EAST (FT) N = 477584.48 납	2634.49 FT NM\$P EAST (FT) 2635.67 FT NM\$P EAST (FT) N ∓ 477588.67 L: N = 477592.89	¹⁸SURVEYOR CERTIFICATION
E = 650145.47		I hereby certify that the well location shown on this plat was
657	SEC. 15	plotted from field notes of actual surveys made by me or under
ц.		
2,18	330 FSL 1122 FML 97 LAT. = 32.2987388 N	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15	LONG. = 103.9775611'W 8 E/4 CORNER SEC. 15	best of my belief.
LAT. = 32.3051576'N Z LONG. = 103.9811617W	SATURNINUS PBD ¹⁰ LAT. = 32.3051253'N COM 1510 212H LONG. = 103.9640554'W	JULY 27, 2020
NMSP EAST (FT) N = 474927.51 ⊢	ELEV. = 2969.9' NMSP EAST (FT)	Date of Survey
E = 650143.69	10NG = 103.9795792'W F = 655428.87	
65.0	NM\$P EAST (FT) 6 N = 472515.93 6 E = 650640.58 8	A Station of K.
SW CORNER SEC. 15		NAMA THE NEXU
LAT. = 32.2978334'N 🛱	N SURFACE IAT = 32.2978295N N LOCATION LINE = 103.2978295N N LOCATION LINE = 103.2978186W	Signature and Seal of Writeshonal Superor:
LONG. = 103.9811958 W B NMSP EAST (FT) B		
NMSP EAST (FT) 6 N = 472263.03 2 E = 650141.91	FTP NMSP EAST (FT) N = 472270.41 $P = 472274.17E = 652792.08$ $E = 652792.08$ $E = 655443.28$	Certificate Number: JARANE LOSPIS 12797
L = 030141.91	S8950'26'W 2650.77 FT S89'55'08'W 2651.79 FT	HUFESSOR NO. 1976A

 1625 N. French Dr., Hobbs, NM 88240

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	PI Number	r		² Pool Code			³ Pool Na	me				
⁴ Property (Code				⁵ Property	Name			⁶ Well Number			
			SATURNINUS FED COM 1510							215H		
⁷ OGRID N	lo.		⁸ Operator Name							⁹ Elevation		
37292	0		NOV	0 OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2972.0		
	¹⁰ Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County		
М	15	23 S	29 E		238	SOUTH	557	WE	ST	EDDY		
			¤В	ottom H	ole Location	If Different Fi	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		
С	10	23 S	29 E		130	NORTH	1914	WE	ST	EDDY		
¹² Dedicated Acre	s ¹³ Joint	or Infill ¹⁴	Consolidation	n Code	2,510	South	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.

	S89'30'02"E 2656.49 FT S89'58'51"E 2656.94 FT		" OPERATOR CERTIFICATION
NW CORNER SEC. 10 LAT. = 32.3271460'N		NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.9812888 W L	BOTTOM LAT. = 32.3270580'N LONG. = 103.9726911'W	LAT. = 32.3270307N LONG. = 103.9640914'W	best of my knowledge and belief, and that this organization either owns a
NMSP EAST (FT)	OF HOLE NMSP EAST (FT)	S NMSP EAST (FT)	working interest or unleased mineral interest in the land including the proposed
N = 482926.51 E = 650078.15	LTP - T = 1000000000000000000000000000000000000	NMSP EAST (FT) N = 482902.46 E = 655390.29	bottom hole location or has a right to drill this well at this location pursuant to
>		ш •	
0	BOTTOM OF HOLE LAT. = 32.3267253'N	5,55	a contract with an owner of such a mineral or working interest, or to a
W/4 CORNER SEC. 10	LONG. = 103.9750889 W	$\frac{1}{2}$ E/4 CORNER SEC. 10	voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.3198035'N Z	NNSP EAST (FT)	LAT. = 32.3197322'N LONG. = 103.9640813'W	by the division.
NMSP EAST (FT)	E = 651993.72	NMSP EAST (FT)	
N = 480255.49 E = 650111.81	CAL SE LAST TAKE POINT	K = 480247.35 E = 655402.59	Signature Date
82	330' FNL, 1914' FWL LAT. = 32.326 756'N	2655207	3
671	LONG. = 103.9750829W	265	
2		ш 	Printed Name
o.	SEC, 10	5.23	
SECTION CORNER	QUARTER CORNER	SECTION CORNER 4 LAT = 32 31243551N	E-mail Address
LAT. = 32.3124611'N LONG. = 103.9811277W	LAT! = 32.3124485'N N8953'32'E LONG. = 103.9726020'W N8954'30'E	IAT. = 32.3124355'N LONG. = 103.9640725'₩	E-mail Address
NMSP EAST (FT)	2634.49 FT NMSP EAST (FT) 2635.67 FT	NMSP EAST (FT)	
N = 477584.48 E E = 650145.47	N = 477588.67 E = 652779.37	E = 655414.45	SURVEYOR CERTIFICATION
		66	I hereby certify that the well location shown on this plat was
59	SEC. 15	2628333	plotted from field notes of actual surveys made by me or under
Į.	FIRST TAKE POINT	μ	
2,18	330 ¹ FSL, 1914 ['] FWL LAT. = 32.2987376 ['] N	8.38	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15	LONG. = 103.9749984'W	E/4 CORNER SEC. 15	best of my belief.
LAT. = 32.3051576'N Z LONG. = 103.9811617W	SATURNINUS FBD COM 1510 215H	¹⁷ LAT. = 32.3051253'N LONG. = 103.9640554'W	JULY 27, 2020
NMSP EAST (FT)	EIEV = 2072 0'		
N = 474927.51 E = 650143.69	LATJ = 32.2984856'N (NAD83) LONG. = 103.9793900'W	k = 474933.53	Date of Survey
201	NMSP EAST (FT)		
2665	N = 472502.47 E = 650699.07	2659.9	ANANT TRANK / K
SW CORNER SEC. 15		W SE CORNER SEC 15	
LAT. = 32.2978334'N		¹⁰ LAT. = 32.2978150 N ¹⁰ LONG. = 103.9640384 W	Signature and Seal of Protectional Anaryor:
NMSP EAST (FT) 0 N = 472263.03 Z		2 NMSP EAST (FT)	Certificate Number: FURDON FLARAMECLOSPUS 12797
N = 472263.03 Z E = 650141.91	N = 472270.41 55/7 FTPIE = 652792.08	N = 472274.17 E = 655443.28	PROFESSUR No. 7977A
L = 050141.31	\$8950'26'W 2650.77 FT \$89'55'08'W 2651.79 FT		10/ EDDIKUM NO. 19/1A

District I

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District III 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

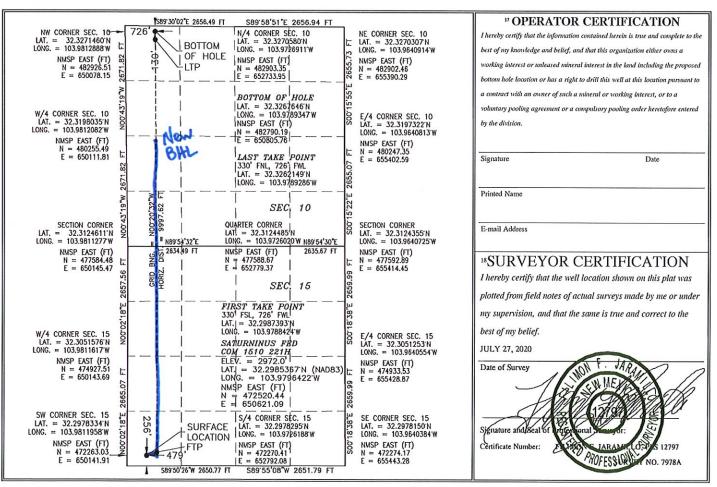
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1,	API Number	r		² Pool Code	e		³ Pool Na	me			
⁴ Property (Code				⁵ Property	Name			⁶ Well Number		
					221H						
⁷ OGRID	No.		⁸ Operator Name							⁹ Elevation	
37292	0		NOV	0 OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2972.0	
	» Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
Μ	15	23 S	29 E		256	SOUTH	479	WE	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/We	est line	County	
D	10	23 S	29 E		130	NORTH	726	WE	ST	EDDY	
¹² Dedicated Acre	s ¹³ Joint	or Infill	Consolidation	n Code	2,510	SOUTH	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.



District I

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 District IV

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Number	r		² Pool Code			³ Pool Na	me				
⁴ Property (Code				⁵ Property	operty Name ⁶ Well				Well Number		
			SATURNINUS FED COM 1510							222H		
⁷ OGRID N	No.		⁸ Operator Name							⁹ Elevation		
37292	0		NOV	0 OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2970.7		
	» Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County		
Μ	15	23 S	29 E		247	SOUTH	518	WE	ST	EDDY		
			¤В	ottom He	ole Location	If Different Fi	om Surface					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County		
С	10	23 S	29 E		130	NORTH	1518	WE	ST	EDDY		
² Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code					510	SOUTH	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.

-	\$89'30'02"E	656.49 FT S89'58'51"E 2656.94 FT		" OPERATOR CERTIFICATION
NW CORNER SEC. 10 - LAT. = 32.3271460'N	-1518'-	N/4 CORNER SEC. 10	NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LONG = 103 9812888 W	BOTTOM_//	LAT. = 32.3270580'N LONG. = 103.9726911'W	LAT. = 32.3270307N LONG. = 103.9640914'W	best of my knowledge and belief, and that this organization either owns a
NMOP EAST (FT) (C)	DF HOLE	NMSP EAST (FT)	NMSP EAST (FT)	working interest or unleased mineral interest in the land including the proposed
N = 482926.51 E = 650078.15		$N = 482903.35^{\circ}$ E = 652733.95	NMSP EAST (FT) N = 482902.46 E = 655390.29	bottom hole location or has a right to drill this well at this location pursuant to
×			μ	
6		BOTTOM OF HOLE	15'55'	a contract with an owner of such a mineral or working interest, or to a
W/4 CORNER SEC. 10		LAT. = 32.3267384'N LONG. = 103.9763708'W	E/4 CORNER SEC. 10	voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.3198035'N LONG. = 103.9812082'W	1 j	- (NNSP EAST (FT)	Dil. = 52.015/5221	by the division.
NMSP EAST (FT)		$\frac{1}{10} = \frac{1}{10} \frac{1}{10}$	LONG. = 103.9640813'W NMSP EAST (FT)	
N = 480255.49 E = 650111.81 □	20.3	LAST TAKE POINT	L N = 480247.35	Signature Date
2 - 00011101	00.2	330' FNL, 1518' FWL	E = 655402.59	Date
.178	Z	LAT. = 32.326 887'N LONG. = 103.9763648'W	655	
26			Б	Printed Name
	NB	SEC. 10	.22	
SECTION CODVER		QUARTER CORNER	SECTION CORNER	
SECTION CORNER S	ľ	LAT! = 32.3124485'N	CALAT. = 32.3124355'N	E-mail Address
LONG. = 103.9811277W	N89'54'32"E	LONG. = 103.9726020W N89'54'30"E NMSP EAST (FT) 2635.67 FT	LONG. = 103.9640725W	
NMSP EAST (FT) N = 477584.48	2034.43 11 1	N = 477588.67	NMSP EAST (FT) N = 477592.89	SURVEYOR CERTIFICATION
E = 650145.47		E = 652779.37	E = 655414.45	I hereby certify that the well location shown on this plat was
557.		SEC, 15	2659-39	•
26			E 26	plotted from field notes of actual surveys made by me or under
18"1		FIRST TAKE POINT 330' FSL, 1518' FWL	38"	my supervision, and that the same is true and correct to the
.02		LAT. = 32.2987382'N LONG. = 103.9762797 W	.18	best of my belief.
W/4 CORNER SEC. 15 LAT. = 32.3051576'N 2	1	SATURNINUS FED	8 E/4 CORNER SEC. 15 4 LAT. = 32.3051253'N	
LONG. = 103.9811617W	i-	$- \frac{COM}{ELEV.} = \frac{1510}{2970.7}$	LONG. = 103.9640554'W	JULY 27, 2020
NMSP EAST (FT) N = 474927.51		$ELEV. = 2970.7^{-1}$ LAT. $= 32.2985115$ (NAD83)	NMSP EAST (FT)	Date of Survey
E = 650143.69		LONG. = 103.9795162 W	E 055100.07	N MEXXX
65.C		NM\$P EAST (FT) N = 472511.42	0. L = 033428.87 0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0.	
26		E = 650660.05		
SW CORNER SEC. 15 💭 LAT. = 32.2978334'N 🙄	247	URFACE , LAT. = 32,2978295'N	₩ SE CORNER SEC. 15 ₩ LAT. = 32,2978150'N	
LONG. = 103.9811958 W	· / [OCATION LONG. = 103.9726188W	CAR = 32.2978130 R	Signature and Seal of transformal Standor:
NMSP EAST (FT) \dot{O} N = 472263.03 \dot{Z}		NMSP EAST (FT) N = 472270.41	NMSP EAST (FT) N = 472274.17	Certificate Number: FILING F JARAMELO PJS 12797
E = 650141.91		FTP E = 652792.08	E = 655443.28	PROFESSION NO. 7979A
-	\$89'50'26"	# 2650.77 FT S89'55'08"W 2651.79 FT		

District I

 District

 1625 N. French Dr., Hobbs, NM 88240

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 <u>District IV</u>

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

Page 63 of 103

District I

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	r		² Pool Code			³ Pool Na	me			
⁴ Property (Code				5 Property	operty Name ⁶ Well Numbe					
				225H							
⁷ OGRID I	No.				⁹ Elevation						
37292	0		NOVO OIL & GAS NORTHERN DELAWARE, LLC							2972.4	
» 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	
М	15	23 S	29 E		233	SOUTH	577	WE	ST	EDDY	
-			¤В	ottom H	ole Location	If Different Fi	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
С	10	23 S	29 E		130	NORTH	2310	WE	ST	EDDY	
¹² Dedicated Acre	s ¹³ Joint	or Infill ¹⁴	Consolidation	1 Code	2,510	South	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.

r	S89'30'02'E 2656.49 FT	S89'58'51"E 2656.94 FT		¹⁷ OPERATOR CERTIFICATION
NW CORNER SEC. 10 LAT. = 32.3271460'N		N/4 CORNER SEC. 10 LAT. = 32,3270580'N	NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.9812888 W	BOTTOM_/	LONG. = 103.9726911'W	LONG. = 103.9640914'W	best of my knowledge and belief, and that this organization either owns a
NMSP EAST (FT) & N = 482926.51 -	OF HOLE	$N_{\rm D} = 100000000000000000000000000000000000$	NMSP EAST (FT) N = 482902.46 E = 655390.29	working interest or unleased mineral interest in the land including the proposed
E = 650078.15		E = 652733.95	R = 655390.29	bottom hole location or has a right to drill this well at this location pursuant to
A.C		BOTTOM OF HOLE	55 TE	a contract with an owner of such a mineral or working interest, or to a
3.1		LAT. = 32.3267122'N	15'55	voluntary pooling agreement or a compulsory pooling order heretofore entered
W/4 CORNER SEC. 10 .4 LAT. = 32.3198035'N		LONG. = 103.9738069'W	E/4 CORNER SEC. 10	by the division.
LONG. = 103.9812082W Z		N = 482776.38	LONG. = 103.9640813'W	
NMSP EAST (FT) N = 480255.49	New	E = 652389.71	NMSP EAST (FT)	
E = 650111.81	BHL	LAST TAKE POINT	E - 655402.50	Signature Date
2.1.5		LAT. = 32.326 624'N LONG. = 103.9738009'W	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
1 26		10%6° = 102'a bonna u	26	Printed Name
A. 61		SEC, 10	22.1	
SECTION CORNER		QUARTER CORNER		
LAT. = 32.3124611'N 💡		LAT! = 32.3124485'N	SECTION CORNER LAT. = 32.3124355 'N	E-mail Address
LONG. = 103.9811277W NMSP EAST (FT)	NB9'54'32"E 2634.49 FT	LONG. = 103.9726020'W N89'54'30"E NMSP EAST (FT) 2635.67 FT	LONG. = 103.9640725'W NMSP EAST (FT)	
N = 477584.48	1	N = 477588.67	⊢ N = 477592.89	ISURVEYOR CERTIFICATION
E = 650145.47		E ≠ 652779.37	E = 655414.45	I hereby certify that the well location shown on this plat was
2657		SEC. 15	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
ц		FIRST TAKE POINT	ω	plotted from field notes of actual surveys made by me or under
2'18		330' FSL, 2310' FWL LAT. = 32.2987370'N	8.8°	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15	!	LONG. = 103.9737170W	-	best of my belief.
LAT. = 32.3051576'N Z LONG. = 103.9811617W		SATURNINUS FED	 E/4 CORNER SEC. 15 LAT. = 32.3051253'N LONG. = 103.9640554'W 	JULY 27, 2020
NMSP EAST (FT)		<u>COM 1510 226H</u>		
N = 474927.51 E = 650143.69		LAT. = 32.2984737'N (NAD83) LONG. = 103.9793270'W	L N = 474933.53	Date of Survey
5.07		NMSP EAST (FT)	0 L = 000428.87 0 0 19 19	
266		N = 472497.84 E = 650718.56	265	ANNA ASIMANY A
SW CORNER SEC. 15	SURFAC	S/4 CORNER SEC. 15	SE CORNER SEC. 15	
LAT. = 32.2978334'N PLONG. = 103.9811958'W			M LAT. = 32.2978150 N [∞] LONG. = 103.9640384 W	Signature and seal of trops ional star or:
NMSP EAST (FT) 0 N = 472263.03 Z	FTP-	INMSP EAST (FT)	R NMSP EAST (FT)	Certificate Number: ALTON & JARAMELO, PJS 12797
E = 650141.91		N = 472270.41 E = 652792.08	N = 472274.17 E = 655443.28	PROFESSION NO. 7980A
	S89'50'26 W 2650.77	FT S89'55'08"W 2651.79 FT	Te	

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First SL, 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	PI Number	r		² Pool Code			³ Pool Na	me				
⁴ Property (Code				⁵ Property Name				⁶ Well Number			
			SATURNINUS FED COM 1510							231H		
⁷ OGRID N	No.				⁹ Elevation							
37292	0		NOV	0 OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2979.1		
	" Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County		
М	15	23 S	29 E		200	SOUTH	718	WE	ST	EDDY		
			¤В	ottom H	ole Location	If Different Fi	om Surface					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County		
D	10	23 S	29 E		130	NORTH	330	WE	ST	EDDY		
¹² Dedicated Acre	Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code				2,510	south	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.

_	\$89'30'02"E 2656.49 FT	S89'58'51"E 2656.94 FT		¹⁷ OPERATOR CERTIFICATION
NW CORNER SEC. 10	BOTTOM	N/4 CORNER SEC. 10 LAT. = 32.3270580'N	NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.9812888 W	IN OF HOLE	LONG. = 103.9726911'W	LAT. = 32.3270307N LONG. = 103.9640914'W	best of my knowledge and belief, and that this organization either owns a
NMSP EAST (FT) &		NMSP EAST (FT)	¹ / ₂ NMSP EAST (FT) ² / ₂ N = 482902.46 ³ / ₂ N = 655390.29	working interest or unleased mineral interest in the land including the proposed
N = 482926.51 E = 650078.15		E = 652733.95	R = 482902.46 R = 655390.29	bottom hole location or has a right to drill this well at this location pursuant to
2			с. 25 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	a contract with an owner of such a mineral or working interest, or to a
19	i i	BOTTOM OF HOLE LAT. = $32.326777N$	15,5	voluntary pooling agreement or a compulsory pooling order heretofore entered
W/4 CORNER SEC. 10 .4 LAT. = 32.3198035'N		LONG. = 103.9802166 W	$\frac{10}{10}$ E/4 CORNER SEC. 10	
LAT. = 32.3198035'N B LONG. = 103.9812082'W		NMSP EAST (FT) N = 482793.64	⁽³⁾ LAT. = 32.3197322'N LONG. = 103.9640813'W	by the division.
NMSP EAST (FT) N = 480255.49	New	E = 650409.77	NMSP EAST (FT)	
E = 650111.81	BHL	LAST TAKE POINT	E = 655402.59	Signature Date
.82		330' FNL, 330' FWL LAT. = 32.3262280'N	5.07	a Strand Elline (1947) Constantion
6671		LONG. = 103.9802106 W	20 20 20 20 20 20 20 20 20 20 20 20 20 2	
*			μ	Printed Name
19	51	SEC 10	5.22	
SECTION CORNER	02.0	QUARTER CORNER	SECTION CORNER	E-mail Address
LAT. = 32.3124611'N 2 LONG. = 103.9811277W	N8954'32"E	LAT! = 32.3124485'N LONG. = 103.9726020'W N89'54'30"E	₩ LAT. = 32.3124355'N LONG. = 103.9640725'W	2 man rootes
NMSP EAST (FT)	2634.49 FT	NMSP EAST (FT) 2635.67 FT	NMSP EAST (FT)	
N = 477584.48 L E = 650145.47	DISI	N = 477588.67 E = 652779.37	K = 477592.89 E = 655414.45	¹⁸ SURVEYOR CERTIFICATION
.56		SEC. 15	66.693	I hereby certify that the well location shown on this plat was
2657	S S S	SEC. 75	265	plotted from field notes of actual surveys made by me or under
ш		FIRST TAKE POINT	ш 	my supervision, and that the same is true and correct to the
2'18		330 ¹ FSL, 330 ['] FWL ^I LAT.I = 32.2987399'N	8,38	
W/4 CORNER SEC. 15 LAT. = 32,3051576'N		LONG. = 103.9801238 W	$\frac{1}{2}$ E/4 CORNER SEC. 15	best of my belief.
LAT. = 32.3051576'N Ž LONG. = 103.9811617W		SATURNINUS FED COM 1510 231H	⁽⁷⁾ LAT. = 32.3051253'N LONG. = 103.9640554'W	JULY 27, 2020
NMSP EAST (FT)		FI FV = 2070 1'		Date of Survey
N = 474927.51 E = 650143.69		$LAT_{} = 32.2983824$ (NAD83) LONG. = 103.9788698 W	E - 655429.97	Date of Survey
5.07		NM\$P EAST (FT) N = 472465.11	6 - 000420.07	
266		N = 472465.11 E = 650859.94	265	ANNON STRANK M
SW CORNER SEC. 15		S/4 CORNER SEC. 15	H SE CORNER SEC. 15	
LAT. = 32.2978334'N PLONG. = 103.9811958'W	SURFA	CE LAT. = 32.2978295'N ON LONG. = 103.9726188'W	Control 22:2978150'N LAT. = 32:2978150'N LONG. = 103.9640384'W	Signature and Seal of Writestional Searchor:
NMSP EAST (FT)	1/1	INMSP EAST (FT)	S NMSP EAST (FT)	Certificate Number: ALTON & JARAMA, O.P.S 12797
$N = 472263.03 \Xi$ E = 650141.91	718	$N = 472270.41^{1}$ E = 652792.08	N = 472274.17 E = 655443.28	PROFESSION NO. 7312B
	\$89'50'26'W 2650.7			

Received by OCD: 6/29/2021 5:57:40 PM

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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

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District I

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

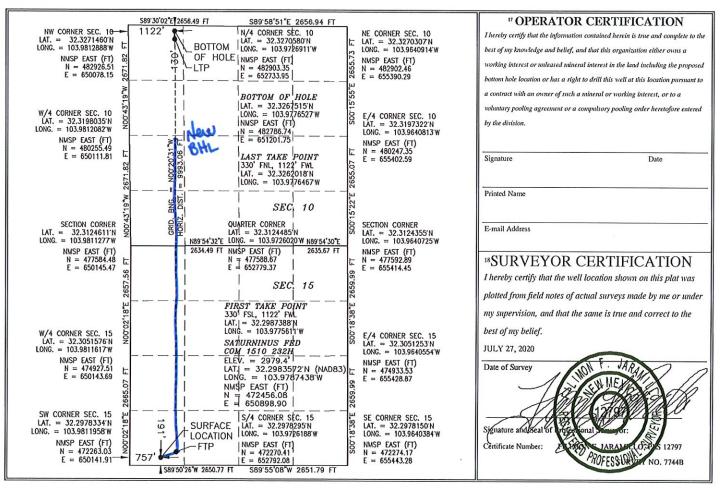
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Number	r		² Pool Code			³ Pool Na	me				
⁴ Property (Code		l		⁵ Property Name					⁶ Well Number		
				SAT	URNINUS FI	ED COM 1510			232H			
⁷ OGRID I	No.		⁸ Operator Name							⁹ Elevation		
37292	20 NOVO OIL & GAS NORTHERN DELAWARE, 1						RE, LLC			2979.4		
" 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		
Μ	15	23 S	29 E		191	SOUTH	757	WE	ST	EDDY		
			пB	ottom He	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/W	est line	County		
D	10	23 S	29 E	÷.	130	NORTH	1122	WE	ST	EDDY		
¹² Dedicated Acre	s ¹³ Joint	or Infill ¹⁴	Consolidation	1 Code	2,510	South	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.



1625 N. French Dr., Hobbs, NM 88240 Phone: (\$75) 393-6161 Fax: (\$75) 393-0720 <u>District II</u> 811 S. First St., Artesia, NM 88210 Phone: (\$75) 748-1283 Fax: (\$75) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (\$50\$) 334-6178 Fax: (\$05) 334-6170 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (\$05) 476-3460 Fax: (\$05) 476-3462

Page 66 of 103

District I

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

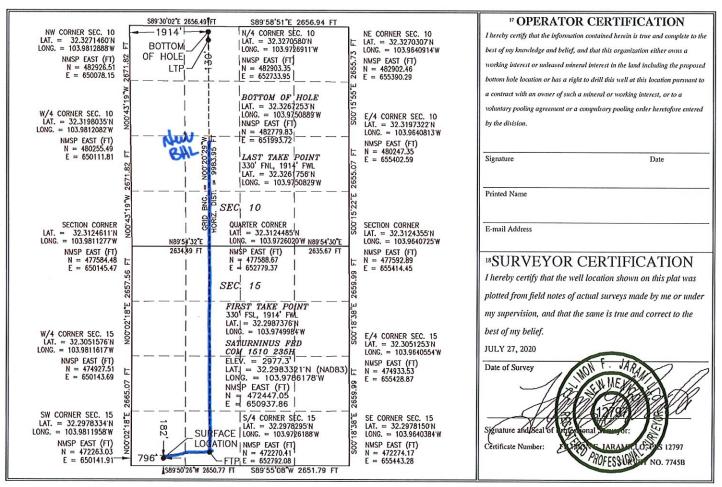
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

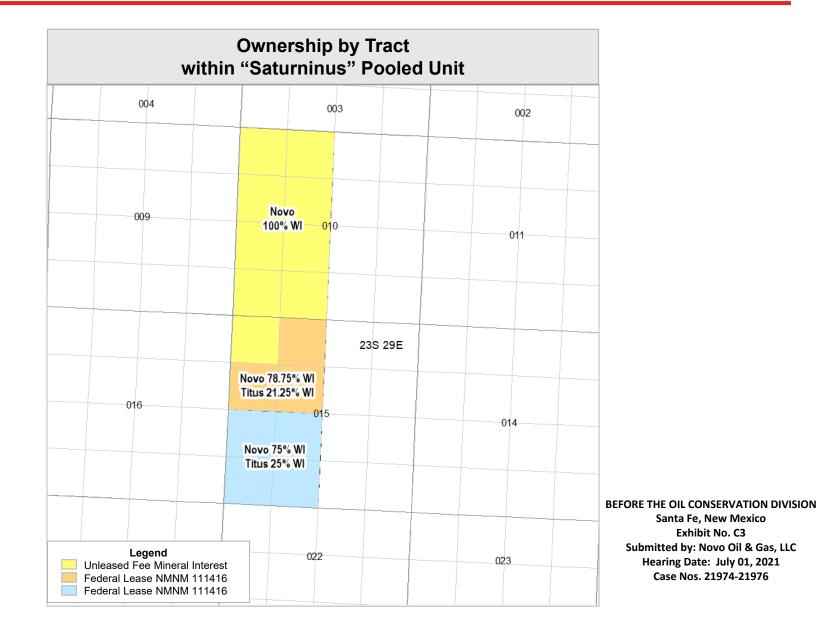
¹ API Number				² Pool Code		³ Pool Name					
⁴ Property Code		⁵ Property Name							⁶ Well Number		
				SATURNINUS FED COM 1510						235H	
⁷ OGRID No.		⁸ Operator Name							⁹ Elevation		
372920		NOVO OIL & GAS NORTHERN DELAWARE, LLC							2977.3		
Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
Μ	15	23 S	29 E		182	SOUTH	796	WEST		EDDY	
" Bottom Hole Location If Different From Surface											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line		County	
С	10	23 S	29 E		130	NORTH	1914	WEST		EDDY	
¹² Dedicated Acre	s ¹³ Joint	or Infill ¹⁴	Consolidation	1 Code	2,510	SOUTH	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.





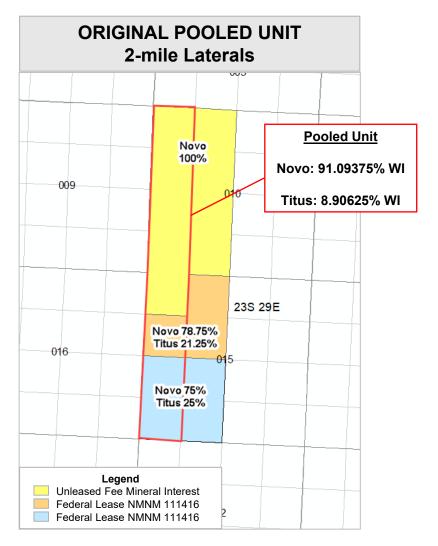
Ownership Overview

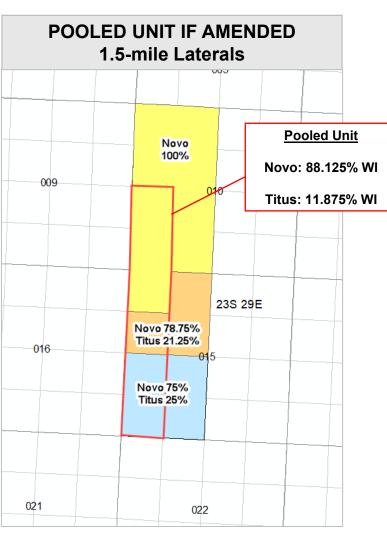




Ownership – Case 21038

Depths Covered: 7,839' to base of Bone Spring formation

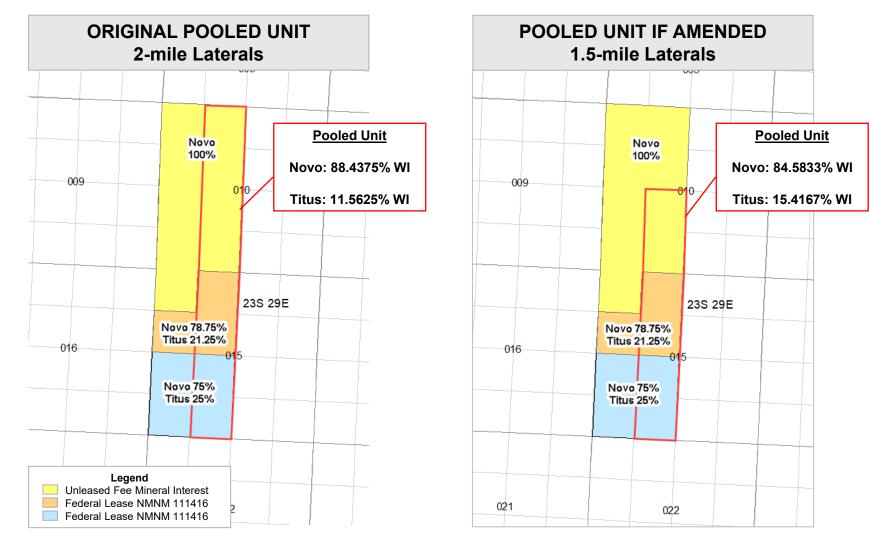






Ownership – Case 21039

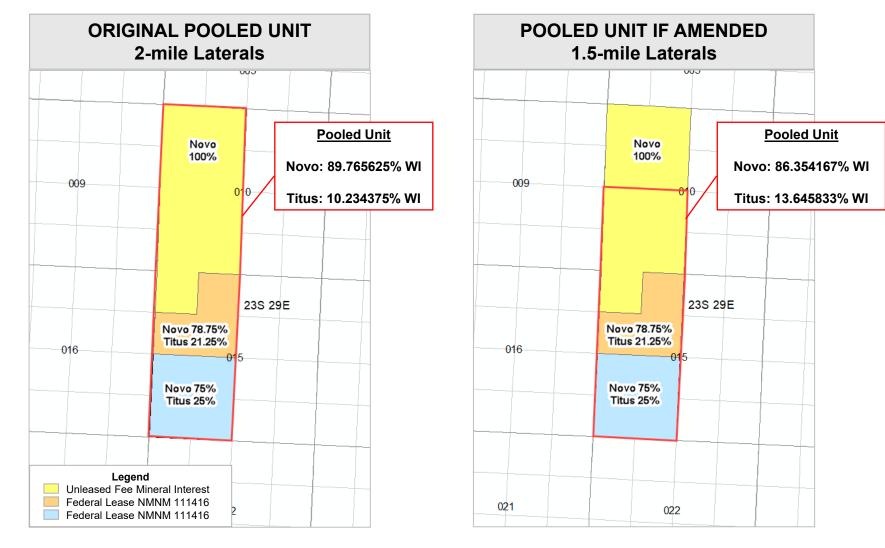






Ownership – Case 21040







Brandon Patrick Vice President, Land Novo Oil & Gas Northern Delaware, LLC 1001 West Wilshire Blvd, Suite 206 Oklahoma City, Oklahoma 73116 Office: 405-286-4197 bpatrick@novoog.com

April 26, 2021

Titus Oil & Gas Production, LLC 100 Throckmorton Street, Suite 1600 Ft. Worth, TX 76102

Re: <u>Amended Saturninus Fed Com 1510 Working Interest Unit (WIU)</u>: SW/4 of Section 10, Township 23 South, Range 29 East W/2 of Section 15, Township 23 South, Range 29 East Eddy County, New Mexico 480-acre Working Interest Unit

Ladies and Gentlemen:

As you are aware, the New Mexico Oil Conservation Division (the "Division") issued orders R-21209, R-21210, and R-21211 establishing pooled units for two-mile laterals to develop the 2nd Bone Spring, 3rd Bone Spring, and Wolfcamp formations in the W/2 of Section 10 and W/2 of Section 15, Township 23 South, Range 29 East, Eddy County, New Mexico. Each of these pooling orders designates Novo Oil & Gas Northern Delaware, LLC ("Novo") as the operator. Novo desires to reduce the lateral length of each well by 2,640 feet and remove the NW/4 of Section 10 from the Saturninus 1510 units. The purpose of this letter is to amend the well proposals resulting in the issuance of these orders and seek voluntary agreement on the thirteen (13) Saturninus 1510 wells as 1.5-mile laterals.

Novo hereby proposes the drilling of thirteen (13) 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" or "AFEs") attached hereto.

Proposed Wells

1. Saturninus Fed Com 1510 121H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East. First Take Point: 100' FSL & 330' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,540' FSL & 330' FWL of Section 10, Township 23 South, Range 29 East BHL: NW/4 SW/4 of Section 10, Township 23 South, Range 29 East. The W/2 SW/4 of Section 10 and the W/2 W/2 of Section 15 will be dedicated to the well as its 240-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 8,696 feet subsurface to evaluate the 2nd Bone Spring formation. The proposed well will have a measured depth (MD) of approximately 16,056 feet.

2. Saturninus Fed Com 1510 122H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.
First Take Point: 100' FSL & 1,870' FWL of Section 15, Township 23 South, Range 29 East
Last Take Point 2,540' FSL & 1,870' FWL of Section 10, Township 23 South, Range 29 East
BHL: NE/4 SW/4 of Section 10, Township 23 South, Range 29 East.
The E/2 SW/4 of Section 10 and the E/2 W/2 of Section 15 will be dedicated to the well as its 240-

Page 1 of 4

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C5 Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976 acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 8,731 feet subsurface to evaluate the 2nd Bone Spring formation. The proposed well will have a measured depth (MD) of approximately 16,091 feet.

3. Saturninus Fed Com 1510 131H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 100' FSL & 330' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,540' FSL & 330' FWL of Section 10, Township 23 South, Range 29 East BHL: NW/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The W/2 SW/4 of Section 10 and the W/2 W/2 of Section 15 will be dedicated to the well as its 240-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,916 feet subsurface to evaluate the 3rd Bone Spring formation. The proposed well will have a measured depth (MD) of approximately 17,276 feet.

4. Saturninus Fed Com 1510 132H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 100' FSL & 1,870' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,540' FSL & 1,870' FWL of Section 10, Township 23 South, Range 29 East BHL: NE/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The E/2 SW/4 of Section 10 and the E/2 W/2 of Section 15 will be dedicated to the well as its 240acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 9,936 feet subsurface to evaluate the 3^{rd} Bone Spring formation. The proposed well will have a measured depth (MD) of approximately 17,296 feet.

5. Saturninus Fed Com 1510 211H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 330' FSL & 330' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,310' FSL & 330' FWL of Section 10, Township 23 South, Range 29 East BHL: NW/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The SW/4 of Section 10 and the W/2 of Section 15 will be dedicated to the well as its 480-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,066 feet subsurface to evaluate the Wolfcamp XY formation. The proposed well will have a measured depth (MD) of approximately 17,426 feet.

6. Saturninus Fed Com 1510 212H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 330' FSL & 1,122' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,310' FSL & 1,122' FWL of Section 10, Township 23 South, Range 29 East BHL: NW/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The SW/4 of Section 10 and the W/2 of Section 15 will be dedicated to the well as its 480-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,091 feet subsurface to evaluate the Wolfcamp XY formation. The proposed well will have a measured depth (MD) of approximately 17,451 feet.

7. Saturninus Fed Com 1510 215H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 330' FSL & 1.914' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,310' FSL & 1,914' FWL of Section 10, Township 23 South, Range 29 East BHL: NE/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The SW/4 of Section 10 and the W/2 of Section 15 will be dedicated to the well as its 480-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,106 feet

subsurface to evaluate the Wolfcamp XY formation. The proposed well will have a measured depth (MD) of approximately 17,466 feet.

8. Saturninus Fed Com 1510 221H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 330' FSL & 726' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,310' FSL & 726' FWL of Section 10, Township 23 South, Range 29 East BHL: NW/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The SW/4 of Section 10 and the W/2 of Section 15 will be dedicated to the well as its 480-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,236 feet subsurface to evaluate the Wolfcamp A formation. The proposed well will have a measured depth (MD) of approximately 17,596 feet.

9. Saturninus Fed Com 1510 222H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 330' FSL & 1,518' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,310' FSL & 1,518' FWL of Section 10, Township 23 South, Range 29 East BHL: NE/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The SW/4 of Section 10 and the W/2 of Section 15 will be dedicated to the well as its 480-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,261 feet subsurface to evaluate the Wolfcamp A formation. The proposed well will have a measured depth (MD) of approximately 17,621 feet.

10. Saturninus Fed Com 1510 225H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 330' FSL & 2,310' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,310' FSL & 2,310' FWL of Section 10, Township 23 South, Range 29 East BHL: NE/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The SW/4 of Section 10 and the W/2 of Section 15 will be dedicated to the well as its 480-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,281 feet subsurface to evaluate the Wolfcamp A formation. The proposed well will have a measured depth (MD) of approximately 17,641 feet.

11. Saturninus Fed Com 1510 231H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 330' FSL & 330' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,310' FSL & 330' FWL of Section 10, Township 23 South, Range 29 East BHL: NW/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The SW/4 of Section 10 and the W/2 of Section 15 will be dedicated to the well as its 480-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,946 feet subsurface to evaluate the Wolfcamp B formation. The proposed well will have a measured depth (MD) of approximately 18,306 feet.

12. Saturninus Fed Com 1510 232H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East.

First Take Point: 330' FSL & 1,254' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,310' FSL & 1,254' FWL of Section 10, Township 23 South, Range 29 East BHL: NW/4 SW/4 of Section 10, Township 23 South, Range 29 East.

The SW/4 of Section 10 and the W/2 of Section 15 will be dedicated to the well as its 480-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,961 feet subsurface to evaluate the Wolfcamp B formation. The proposed well will have a measured depth

Page 3 of 4

(MD) of approximately 18,321 feet.

13. Saturninus Fed Com 1510 235H

SHL: SW/4 SW/4 of Section 15, Township 23 South, Range 29 East. First Take Point: 330' FSL & 2,178' FWL of Section 15, Township 23 South, Range 29 East Last Take Point: 2,310' FSL & 2,178' FWL of Section 10, Township 23 South, Range 29 East BHL: NE/4 SW/4 of Section 10, Township 23 South, Range 29 East. The SW/4 of Section 10 and the W/2 of Section 15 will be dedicated to the well as its 480-acre spacing unit. The well will be drilled to an approximate true vertical depth (TVD) of 10,976 feet subsurface to evaluate the Wolfcamp B formation. The proposed well will have a measured depth (MD) of approximately 18,336 feet.

Novo provided its proposed Joint Operating Agreement form to Titus on September 27, 2019. Novo is still interested in executing a JOA in that form covering the SW/4 of Section 10 and W/2 of Section 15 and limited in depth from 7,839 feet to the base of the Wolfcamp formation. Please let us know if you have any questions regarding Novo's proposed form. Upon request, we will provide another copy of that JOA form. If Titus does not elect to participate in these wells under the proposed JOA or wish to pursue some other voluntary agreement, Novo will file applications to amend the existing pooling orders. Additionally, if you have any questions regarding this letter or Novo's development plans, please call or email me at <u>bpatrick@novoog.com</u>.

Sincerely,

Novo Oil & Gas Northern Delaware, LLC

Brandon Patrick Vice President, Land



ACCT. DESCRIPTION CODE INTANC 01 SURVEY/PERMITS/DAMAGES/LEGAL 02 LOCATION & ROAD 03 RIG MOVE 04 DRILLING - FOOTAGE 05 DRILLING - DAYWORK 06 COMPLETION/WORKOVER RIG 07 COIL TUBING/SNUBBING UNIT 08 SLICKLINE/SWABBING 09 BITS 10 DIRECTIONAL SERVICES 11 CASING CREW 12 TOOL & EQUIPMENT RENTAL 13 FUEL & POWER 14 DIESEL - BASE FOR MUD 15 MUD LOGGING & GEOLOGIST 16 DISPOSAL, RESTORATION & BACKFILL 17 TRUCKING 18 TESTING 19 CEMENTING 21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LAB	3S R29E	FIELD FORMATION COUNTY its for 7,500' horizonta	Eddy County	150,000 7,500 150,000 75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 67,500 637,500	\$ 3 11 11 11 11 11 11 11 11 11 11 11 11 1
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11 CASING CREW 12 TOOL & EQUIPMENT RENTAL 13 FUEL & POWER 14 DIESEL - BASE FOR MUD 15 MUD LOGGING & GEOLOGIST 16 DISPOSAL, RESTORATION & BACKFILL 17 TRUCKING 18 TESTING 19 CEMENTING 20 PERFORATING 21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 35 COMMUNICATIONS 38 WIRELINE SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40			80,000 160,000 121,500 100,000 26,000 108,000 85,000 90,000 90,000 90,000 40,000 40,000 150,000	150,000 75,000 30,000 131,250 131,250 1,800,000 15,000 67,500 60,000 637,500	
12 TOOL & EQUIPMENT RENTAL 13 FUEL & POWER 14 DIESEL - BASE FOR MUD 15 MUD LOGGING & GEOLOGIST 16 DISPOSAL, RESTORATION & BACKFILL 17 TRUCKING 18 TESTING 19 CEMENTING 20 PERFORATING 21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 35 COMMUNICATIONS 34 BOP TESTING 35 COMINUNCATIONS 34 BOP TESTING 35 COMINUNCATIONS 34 BOP TESTING 35 COMINERING & GEOLOG			160,000 121,500 100,000 26,000 108,000 90,000 90,000 90,000 90,000 40,000 40,000 40,000	150,000 75,000 30,000 131,250 131,250 1,800,000 15,000 67,500 15,000 60,000 637,500	
13 FUEL & POWER 14 DIESEL - BASE FOR MUD 15 MUD LOGGING & GEOLOGIST 16 DISPOSAL, RESTORATION & BACKFILL 17 TRUCKING 18 TESTING 19 CEMENTING 20 PERFORATING 21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 35 COMUNICATIONS 34 BOP TESTING 35 COMINUNCATIONS 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - OFFICE 41 <			121,500 100,000 26,000 108,000 90,000 50,000 90,000 40,000 40,000 150,000	75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000 637,500	
14 DIESEL - BASE FOR MUD 15 MUD LOGGING & GEOLOGIST 16 DISPOSAL, RESTORATION & BACKFILL 17 TRUCKING 18 TESTING 19 CEMENTING 20 PERFORATING 21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 COMINONICATIONS 34 BOP TESTING 35 COMMUNICATIONS 34 BOP TESTING 35 MIRELINE SERVICES 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 <td></td> <td></td> <td>100,000 26,000 108,000 90,000 50,000 90,000 90,000 40,000 40,000 150,000</td> <td>30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000 637,500</td> <td></td>			100,000 26,000 108,000 90,000 50,000 90,000 90,000 40,000 40,000 150,000	30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000 637,500	
16 DISPOSAL, RESTORATION & BACKFILL 17 TRUCKING 18 TESTING 19 CEMENTING 20 PERFORATING 21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 33 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49			108,000 85,000 90,000 50,000 90,000 40,000 40,000 150,000	30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000 637,500	
17 TRUCKING 18 TESTING 19 CEMENTING 20 PERFORATING 21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MIS			85,000 90,000 50,000 90,000 40,000 40,000 150,000	30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000 637,500	
18 TESTING 19 CEMENTING 20 PERFORATING 21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 <t< td=""><td></td><td></td><td>90,000 50,000 90,000 40,000 40,000 150,000</td><td>131,250 37,500 1,800,000 15,000 67,500 15,000 60,000 637,500</td><td></td></t<>			90,000 50,000 90,000 40,000 40,000 150,000	131,250 37,500 1,800,000 15,000 67,500 15,000 60,000 637,500	
20 PERFORATING 21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS 7074L INTANGIBLE COSTS 701 CA			90,000 90,000 40,000 40,000 150,000	131,250 37,500 1,800,000 67,500 67,500 15,000 60,000 637,500	
21 CASED HOLE LOGS 22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS 7074L INTANGIBLE COSTS 701 CASING - CONDUCTOR 702			90,000 40,000 40,000 150,000	37,500 1,800,000 15,000 67,500 15,000 60,000 637,500	
22 DOWNHOLE TOOLS & SERVICE 23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 35 COMMUNICATIONS 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS 7074 INTANGIBLE COSTS 701 CASING - CONDUCTOR			90,000 40,000 40,000 150,000	1,800,000 15,000 67,500 15,000 60,000 637,500	
23 OTHER STIMULATION 24 FORMATION STIMULATION 25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 35 FISHING TOOLS & SERVICES 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 10 CASING - CONDUCTOR 20 CASING - INTERMEDIATE 20			90,000 40,000 40,000 150,000	1,800,000 15,000 67,500 15,000 60,000 637,500	
25 CONSULTING SERVICES 26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAPETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 101 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			40,000 40,000 150,000	15,000 67,500 15,000 60,000 637,500	
26 SUPERVISION 27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 101 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 05 CASING - PRODUCTION / LINER			40,000 40,000 150,000	67,500 15,000 60,000 637,500	
27 CONTRACT LABOR 28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 101 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			40,000 40,000 150,000	15,000 60,000 637,500	6
28 OTHER LABOR 29 COMPANY CONSULTING/SUPV 30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			40,000	60,000 637,500	6
30 WATER 31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS 7 TOTAL INTANGIBLE COSTS 7 TANGI 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 05 CASING - PRODUCTION / LINER			150,000	,	
31 FLUIDS & CHEMICALS 32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS 7 TOTAL INTANGIBLE COSTS 10 CASING - CONDUCTOR 11 CASING - CONDUCTOR 12 CASING - INTERMEDIATE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			150,000	,	
32 CORING & ANALYSIS 33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS 7 TOTAL INTANGIBLE COSTS 10 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			,		1
33 COMMUNICATIONS 34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS TANGI 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			8,000		
34 BOP TESTING 36 FISHING TOOLS & SERVICES 37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 101 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER				15,000	
37 INSPECTIONS 38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS TANG 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - PRODUCTION / LINER			15,000		:
38 WIRELINE SERVICES 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - PRODUCTION / LINER			10.000	7.500	
 39 ENGINEERING & GEOLOGY - FIELD 40 ENGINEERING & GEOLOGY - OFFICE 41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 1 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - PRODUCTION / LINER 			10,000	7,500	
41 MULTISHOT & GYRO 42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - PRODUCTION / LINER					
42 RE-ENTRY SERVICES 43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - PRODUCTION / LINER			15,000		
43 CAMPS & TRAILERS 44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS TANGI 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - PRODUCTION / LINER					
44 SAFETY EQUIPMENT & H2S 45 CONTINGENCY 46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS TANGIO 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - PRODUCTION / LINER			50,000	35,000	8
46 INSURANCE 47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS TANG 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			10,000	,	
47 MISCELLANEOUS 49 SIM-OPS TOTAL INTANGIBLE COSTS TANG 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER					
49 SIM-OPS TOTAL INTANGIBLE COSTS TANG 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			0		
TOTAL INTANGIBLE COSTS TANG 01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER				15,000	
01 CASING - CONDUCTOR 02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			\$ 1,978,625	\$ 3,274,250	\$ 5,2
02 CASING - SURFACE 03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER	IBLE COSTS		DRILLING (400)	COMPLETION (600)	
03 CASING - INTERMEDIATE 04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			\$ 20,000 15,631		\$
04 CASING - INTERMEDIATE 2 05 CASING - PRODUCTION / LINER			61,320		
06 SUBSURFACE FOUIPMENT			271,872		2
07 PRODUCTION TUBING					
08 SUBSURFACE PUMPING EQUIPMENT					
09 WELLHEAD EQUIPMENT			40,000		
10 FLOWLINES					
11 SURFACE PUMPING EQUIPMENT					
12 LINER HANGER & ASSOC EQUIP 13 VALVES & FITTINGS				271,430	2
15 RODS					
17 TRUCKING					
20 RE-ENTRY EQUIPMENT 34 PRODUCTION EQUIPMENT				795,485	79
47 MISCELLANEOUS			10,000	,	75
49 TANGIBLE EQUIP-ACQUISITIONS			10,000		
TOTAL INTANGIBLE COSTS			\$ 418,823	\$ 1,066,914	\$ 1,48
TOTAL ESTIMATED WELL COST			\$ 2,397,448	\$ 4,341,164	\$ 6,73
			÷	•	
REPARED BY: Alex Bourland &	Paul Johe		Senior Operations Engineers		4/21/202
				DATE.	1/2 1/202
PERATOR APPROVAL:			_coo	DATE:	
PERATOR APPROVAL:			CEO or CFO	DATE:	
			_		
RTNER APPROVAL:				DATE:	

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The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.
Released to Imaging: 6/30/2021 8:09:03 AM



IELL N	IAME	Saturninus Fed Com 1510 122H	AFE TYPE	Development	AFE NUMBER	2015122
ATER/	AL LOCATION	Section 15 & 10 of T23S R29E	FIELD	Northern Delaware	DRILLING DAYS	20
	CE LOCATION	Section 15 of T23S R29E	FORMATION	2nd Bone Spring	DEPTH (TVD/TMD)	8731'/ 16091'
	M-HOLE LOCATION CT DESCRIPTION	Section 10 of T23S R29E Drilling, completion, facilities and pipelin	COUNTY e costs for 7 500' horizontal	Eddy County	STATE	New Mexico
OJL.		Drining, completion, racinties and pipelin		weil		
ССТ.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
ODE		INTANGIBLE COSTS		DRILLING (300)	COMPLETION (500)	
	SURVEY/PERMITS/DAM	AGES/LEGAL		\$ 25,000		\$ 25,
-	RIG MOVE			73,125 30,000		73, 30,
	DRILLING - FOOTAGE			40,000		40,
	DRILLING - DAYWORK			312,000		312,
	COMPLETION/WORKO					
	COIL TUBING/SNUBBIN	G UNIT			150,000	150,
	SLICKLINE/SWABBING BITS			100.000	7 500	107,
	DIRECTIONAL SERVICE	S		100,000	7,500	107,
	CASING CREW	0		80,000		80,
12	TOOL & EQUIPMENT R	ENTAL		160,000	150,000	310,
	FUEL & POWER			121,500	75,000	196,
	DIESEL - BASE FOR MU			100,000		100,
	MUD LOGGING & GEOL DISPOSAL, RESTORAT			26,000 108,000		26, 108,
	TRUCKING	ON & BACKFILL		85,000	30,000	108,
	TESTING			60,000	00,000	110,
	CEMENTING			90,000		90,
	PERFORATING				131,250	131,
	CASED HOLE LOGS					
	DOWNHOLE TOOLS & S	SERVICE		50,000	37,500	87,
	OTHER STIMULATION FORMATION STIMULAT	ION			1,800,000	1,800,
	CONSULTING SERVICE				1,800,000	1,800,
	SUPERVISION			90,000	67,500	157,
	CONTRACT LABOR			40,000	15,000	55,
	OTHER LABOR				60,000	60,
	COMPANY CONSULTIN	G/SUPV		10.000		
	WATER FLUIDS & CHEMICALS			40,000	637,500	677, 150,
	CORING & ANALYSIS			150,000		150,
	COMMUNICATIONS			8,000	15,000	23,
34	BOP TESTING			15,000	15,000	30,
	FISHING TOOLS & SER	/ICES				
	INSPECTIONS			10,000	7,500	17,
	WIRELINE SERVICES					
	ENGINEERING & GEOL			15,000		15
	MULTISHOT & GYRO			10,000		10,
	RE-ENTRY SERVICES					
	CAMPS & TRAILERS			50,000	35,000	85,
	SAFETY EQUIPMENT &	H2S		10,000	7,500	17,
-	CONTINGENCY				0.000	
	INSURANCE MISCELLANEOUS			0	3,000 15,000	3, 15,
	SIM-OPS				13,000	13,
	TOTAL INTANGIBLE CO	STS		\$ 1,978,625	\$ 3,274,250	\$ 5,252,
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
-	CASING - CONDUCTOR			\$ 20,000		\$ 20,
	CASING - SURFACE			15,631		15,
	CASING - INTERMEDIA CASING - INTERMEDIA			61,320		61,
	CASING - PRODUCTION			271,872		271,
	SUBSURFACE EQUIPM					,
)7	PRODUCTION TUBING					
	SUBSURFACE PUMPIN					
	WELLHEAD EQUIPMEN	Τ		40,000		40,
	FLOWLINES SURFACE PUMPING EC					
	LINER HANGER & ASSO					
	VALVES & FITTINGS				271,430	271,
5	RODS					
	TRUCKING					
	RE-ENTRY EQUIPMENT				707.107	
	PRODUCTION EQUIPMI	EN I		10.000	795,485	795,
	MISCELLANEOUS	JISITIONS		10,000		10,
	TOTAL INTANGIBLE CO			\$ 418,823	\$ 1,066,914	\$ 1,485,
	TOTAL ESTIMATED	NELL COST				
	I UTAL ESTIMATED			\$ 2,397,448	\$ 4,341,164	\$ 6,738,6
EPAI	RED BY:	Alex Bourland & Paul Jobe		Senior Operations Engineers	DATE:	4/21/2021
ERA	TOR APPROVAL:			COO	DATE:	
				CEO er CEO		
εrA	TOR APPROVAL:			CEO or CFO	DATE:	
RTNI	ER COMPANY NAME:					
					DATE	
RTNI	ER APPROVAL:				-	
RTNI	ER APPROVAL:					

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.
Released to Imaging: 6/30/2021 8:09:03 AM



	NAME AL LOCATION	Saturninus Fed Com 1510 131H Section 15 & 10 of T23S R29E	AFE TYPE FIELD	Development Northern Delaware	AFE NUMBER DRILLING DAYS	2015091 22
	CE LOCATION	Section 15 of T23S R29E	FORMATION	3rd Bone Spring	DEPTH (TVD/TMD)	9916'/ 17276'
	M-HOLE LOCATION	Section 10 of T23S R29E Drilling, completion, facilities and pipeline cos	COUNTY	Eddy County	STATE	New Mexico
OJE	CT DESCRIPTION	Dhining, completion, facilities and pipeline cos				
ССТ.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
01	SURVEY/PERMITS/DAM			DRILLING (300) \$ 25,000	COMPLETION (500)	\$ 25,0
02	LOCATION & ROAD			73,125		73,1
03	RIG MOVE			30,000		30,0
	DRILLING - FOOTAGE			40,000		40,0
05 06	DRILLING - DAYWORK	/FR RIG		338,000		338,0
07	COIL TUBING/SNUBBIN				150,000	150,0
08	SLICKLINE/SWABBING					
09	BITS			100,000	7,500	107,5
10 11	DIRECTIONAL SERVICE CASING CREW	.5		170,000 80,000		170,0 80,0
12	TOOL & EQUIPMENT RI	ENTAL		176,000	150,000	326,0
13	FUEL & POWER			130,500	75,000	205,5
14	DIESEL - BASE FOR MU			100,000		100,0
15 16	MUD LOGGING & GEOL DISPOSAL, RESTORAT			30,000 108,000		30,0 108,0
17	TRUCKING			85,000	30,000	115,0
18	TESTING					
19	CEMENTING			90,000	101.050	90,0
20 21	PERFORATING CASED HOLE LOGS				131,250	131,2
22	DOWNHOLE TOOLS & S	SERVICE		50,000	37,500	87,5
23	OTHER STIMULATION			,	,	,
24	FORMATION STIMULAT				1,800,000	1,800,0
25 26	CONSULTING SERVICE SUPERVISION	S		90,000	15,000 67,500	15,0 157,5
20	CONTRACT LABOR			40,000	15,000	55,0
28	OTHER LABOR				60,000	60,0
29	COMPANY CONSULTIN	G/SUPV				
30 31	WATER FLUIDS & CHEMICALS			40,000	637,500	677,5
32	CORING & ANALYSIS			150,000		150,0
33	COMMUNICATIONS			8,000	15,000	23,0
34	BOP TESTING			15,000	15,000	30,0
36	FISHING TOOLS & SER	VICES		40.000	7 500	47.0
37 38	INSPECTIONS WIRELINE SERVICES			10,000	7,500	17,5
39	ENGINEERING & GEOL	OGY - FIELD				
40	ENGINEERING & GEOL	OGY - OFFICE		15,000		15,0
41	MULTISHOT & GYRO					
42 43	RE-ENTRY SERVICES			50,000	35,000	85,0
43	SAFETY EQUIPMENT &	H2S		10,000	7,500	17,5
45	CONTINGENCY				.,	,
46	INSURANCE			0	3,000	3,0
47 49	MISCELLANEOUS SIM-OPS				15,000	15,0
49	TOTAL INTANGIBLE CO	DSTS		\$ 2,053,625	\$ 3,274,250	\$ 5,327,8
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	·		\$ 20,000		\$ 20,0
02	CASING - SURFACE CASING - INTERMEDIA	F		15,631 61,320		15,6
03 04	CASING - INTERMEDIA			326,625		61,3 326,6
05	CASING - PRODUCTION			271,872		271,8
06	SUBSURFACE EQUIPM	ENT				
07	PRODUCTION TUBING					
08 09	SUBSURFACE PUMPIN WELLHEAD EQUIPMEN			40,000		40,0
	FLOWLINES		<u></u> _	+0,000		
	SURFACE PUMPING EC					
12	LINER HANGER & ASSO)C EQUIP			071 100	074
13 15	VALVES & FITTINGS RODS				271,430	271,4
17	TRUCKING					
20	RE-ENTRY EQUIPMENT					
34	PRODUCTION EQUIPMI	ENT			795,485	795,4
47 49	MISCELLANEOUS	IISITIONS		10,000		10,0
49				\$ 745,448	\$ 1,066,914	\$ 1,812,3
	TOTAL ESTIMATED			\$ 2,799,073	. , ,	
				ψ 2,755,075	φ 4,041,104	φ 7,140,2
		Alex Bourland & Paul Jobe				410410004
				Senior Operations Engineers	DATE:	4/21/2021
REPA	RED BY:	Alex Doulianu & Faul Jobe				
	RED BY: TOR APPROVAL:			_COO	DATE:	
PERA				_COO CEO or CFO	DATE: DATE:	
PERA	TOR APPROVAL:			-		
ERA	TOR APPROVAL:			-		
ERA ERA	TOR APPROVAL:			-		
ERA ERA RTN	TOR APPROVAL: TOR APPROVAL: ER COMPANY NAME:			-	DATE:	
PERA PERA	TOR APPROVAL: TOR APPROVAL:			-	DATE:	

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



		Saturninus Fed Com 1510 132H		Development		2015092
URFA	AL LOCATION	Section 15 & 10 of T23S R29E Section 15 of T23S R29E	FIELD FORMATION	Northern Delaware 3rd Bone Spring	DRILLING DAYS DEPTH (TVD/TMD)	22 9936'/ 17296'
	OM-HOLE LOCATION	Section 10 of T23S R29E Drilling, completion, facilities and pipeline	COUNTY costs for 7.500' horizontal	Eddy County well	STATE	New Mexico
				1		
CCT.		DESCRIPTION OF EXPENDITURE INTANGIBLE COSTS		DRILLING (300)	COST ESTIMATE COMPLETION (500)	
01	SURVEY/PERMITS/DAM			\$ 25,000		\$ 25,
02	LOCATION & ROAD			73,125		73,
03 04	RIG MOVE DRILLING - FOOTAGE			30,000 40,000		30, 40,
05	DRILLING - DAYWORK			338,000		338,
06	COMPLETION/WORKOV					
07 08	COIL TUBING/SNUBBING	G UNIT			150,000	150,
08	BITS			100,000	7,500	107,
10	DIRECTIONAL SERVICE	S		170,000	,	170,
11	CASING CREW			80,000	(50.000	80,
12 13	TOOL & EQUIPMENT RE	ENTAL		176,000 130,500	150,000 75,000	326, 205,
14	DIESEL - BASE FOR MU	D		100,000	10,000	100,
15	MUD LOGGING & GEOL			30,000		30,
16	DISPOSAL, RESTORATI	ON & BACKFILL		108,000	20,000	108, 115,
17 18	TRUCKING TESTING			85,000	30,000	115,
19	CEMENTING			90,000		90,
20	PERFORATING				131,250	131,
21 22	CASED HOLE LOGS DOWNHOLE TOOLS & S	SERVICE		E0.000	97 500	
22	OTHER STIMULATION			50,000	37,500	87,
24	FORMATION STIMULAT	ION			1,800,000	1,800,
25	CONSULTING SERVICE	S			15,000	15,
26 27	SUPERVISION CONTRACT LABOR			90,000 40,000	67,500 15,000	157, 55,
28	OTHER LABOR			40,000	60,000	55, 60,
29	COMPANY CONSULTING	G/SUPV				
30	WATER			40,000	637,500	677,
31 32	FLUIDS & CHEMICALS CORING & ANALYSIS			150,000		150,
5∠ 33	COMMUNICATIONS			8,000	15,000	23,
34	BOP TESTING			15,000	15,000	30,
36	FISHING TOOLS & SER	/ICES				
37 38	INSPECTIONS WIRELINE SERVICES			10,000	7,500	17,
30 39	ENGINEERING & GEOLO	DGY - FIELD				
40	ENGINEERING & GEOLO			15,000		15,
41	MULTISHOT & GYRO					
42 43	RE-ENTRY SERVICES			50.000	25.000	05
43 44	CAMPS & TRAILERS SAFETY EQUIPMENT &	H2S		50,000 10.000	35,000 7,500	85, 17,
45	CONTINGENCY			.,	,	,
46				0	3,000	
	INSURANCE				,	3,
47	MISCELLANEOUS				15,000	3,1
47		ISTS		\$ 2,053,625	15,000	15,
47 49	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO	TANGIBLE COSTS		DRILLING (400)	15,000	15,1 \$ 5,327,1 TOTAL
47 49 01	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR	TANGIBLE COSTS		DRILLING (400) \$ 20,000	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20,
47 49 01 02	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20, 15,
47 49 01 02 03	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR	TANGIBLE COSTS		DRILLING (400) \$ 20,000	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20,
47 49 01 02 03 04	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20, 15, 61,
47 49 01 02 03 04 05 06	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPME	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326,
47 49 01 02 03 04 05 06 07	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMI PRODUCTION TUBING	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326,
17 19 01 02 03 04 05 06 07 08	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPME	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326,
47 49 001 002 003 004 005 006 007 008 009 10	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271,
47 49 01 02 03 03 04 05 06 07 08 09 10 11	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EQUIPMEN	TANGIBLE COSTS E E 2 I / LINER ENT G EQUIPMENT T QUIPMENT		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271,
17 19 01 02 03 04 05 06 07 08 09 10 11	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSO	TANGIBLE COSTS E E 2 I / LINER ENT G EQUIPMENT T QUIPMENT		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40,
17 19 01 02 03 04 05 06 07 08 09 10 11 12 13	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EQUIPMEN	TANGIBLE COSTS E E 2 I / LINER ENT G EQUIPMENT T QUIPMENT		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271,
47 49 01 02 03 03 04 05 06 06 07 07 08 09 10 11 12 13 15 17	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40,
47 49 01 02 03 04 05 06 07 08 09 10 08 09 10 11 11 12 13 15 17 20	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMING PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMENT FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271,
47 49 01 02 03 04 05 06 07 08 09 10 11 11 13 15 17 20 34	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMING PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMENT FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000	15,000 \$ 3,274,250 COMPLETION (600)	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 795,
47 49 01 02 03 03 04 05 06 07 08 09 10 11 11 12 13 15 17	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMING PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMENT FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271,
47 49 01 02 03 04 05 06 07 08 09 10 11 11 12 13 15 17 20 34 47	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMIN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMENT FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS	TANGIBLE COSTS		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000	15,000	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 795, 10,
17 19 101 102 103 104 105 106 107 108 109 101 11 12 13 15 17 20 34 17	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMIN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMENT FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT MISCELLANEOUS	TANGIBLE COSTS TE		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10 10,000 10,000	15,000 \$ 3,274,250 COMPLETION (600) 2000 271,430 271,430 795,485 \$ 1,066,914	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 795, 10, \$ 1,812,
47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 17	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT ANGIBLE EQUIP-ACQL TOTAL INTANGIBLE CO	TANGIBLE COSTS TE		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 795, 10, \$ 1,812,
47 49 01 02 03 04 05 06 07 08 09 09 10 11 12 13 15 15 17 20 34 47 49	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT ANGIBLE EQUIP-ACQL TOTAL INTANGIBLE CO	TANGIBLE COSTS TE		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, \$ 1,812, \$ 1,812, \$ 7,140,2
47 49 01 02 03 04 05 06 07 07 08 09 10 11 12 13 15 17 20 34 47 49 EPA	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMIN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMENT FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO	TANGIBLE COSTS TE		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 40, \$ 1,812, \$ 1,812, \$ 7,140,2 4/21/2021
47 49 01 02 03 04 05 06 07 08 09 10 07 08 09 10 11 12 13 15 17 20 34 47 49 EPA	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT TANGIBLE EQUIP-ACQL TOTAL INTANGIBLE CO	TANGIBLE COSTS TE		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448 \$ 2,799,073	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, \$ 1,812, \$ 1,812, \$ 7,140,2
47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 13 15 13 15 17 20 34 47 49 EPA	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMIN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMENT FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO	TANGIBLE COSTS TE		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 3 1,066,914 \$ 4,341,164 DATE: DATE: DATE:	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 40, \$ 1,812, \$ 1,812, \$ 7,140,2 4/21/2021
7 9 9 11 22 33 44 55 66 66 7 7 88 9 9 0 1 2 3 5 7 7 9 9 0 1 2 3 5 7 7 9 9 9 0 1 2 3 5 5 7 7 9 9 9 9 9 9 9 9 9 9 7 7 9 9 9 9	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMIN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMENT FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT ANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO	TANGIBLE COSTS TE		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers COO	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 3 1,066,914 \$ 4,341,164 DATE: DATE: DATE:	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 5 795, 10, \$ 1,812, \$ 7,140,2 4/21/2021
7 9 9 11 12 13 14 15 16 17 18 18 19 0 1 2 3 5 7 7 0 0 1 2 3 5 7 7 0 0 4 4 7 9 9 0 1 2 2 3 5 7 7 9 0 0 1 2 2 5 7 7 9 0 1 2 1 5 5 7 7 9 9 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMIN PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMENT FLOWLINES SURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT ANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO	TANGIBLE COSTS TE		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers COO	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 3 1,066,914 \$ 4,341,164 DATE: DATE: DATE:	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 5 795, 10, \$ 1,812, \$ 7,140,2 4/21/2021
7 9 1 2 3 4 4 5 5 6 6 7 8 9 0 1 2 3 3 5 7 0 4 7 9 0 1 2 2 3 3 5 7 0 4 7 7 9 0 1 2 2 3 3 5 5 7 0 0 4 4 7 7 8 8 9 0 0 1 2 7 7 8 8 9 0 0 1 7 7 7 7 8 9 0 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - INTERMEDIAT CASING - PRODUCTION SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING EQ LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT ANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED N ARED BY: ATOR APPROVAL:	TANGIBLE COSTS TE		DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers COO	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 3 1,066,914 \$ 4,341,164 DATE: DATE: DATE:	15, \$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 5 795, 10, \$ 1,812, \$ 7,140,2 4/21/2021

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.
Released to Imaging: 6/30/2021 8:09:03 AM



Bestan to 4728 R28E COUNT Eddy County STATE New DRUCT DESCRIPTION to 4728 R28E COUNT County STATE New DRUCT DESCRIPTION to 4728 R28E PERLING 200 COUNT County STATE New OIL DESCRIPTION to 4728 R28E STATE STATE New STATE New OIL DESCRIPTION to 4728 R28E STATE STATE New STATE New OIL DESCRIPTION to 4728 R28E STATE STATE </th <th></th> <th>AL LOCATION</th> <th>Saturninus Fed Com 1510 211H Section 15 & 10 of T23S R29E Section 15 of T23S R29E</th> <th>AFE TYPE FIELD FORMATION</th> <th>Development Northern Delaware</th> <th>AFE NUMBER DRILLING DAYS</th> <th>2015097 22 10066'/ 17426'</th>		AL LOCATION	Saturninus Fed Com 1510 211H Section 15 & 10 of T23S R29E Section 15 of T23S R29E	AFE TYPE FIELD FORMATION	Development Northern Delaware	AFE NUMBER DRILLING DAYS	2015097 22 10066'/ 17426'
Diring_compation_ballies and pipeline costs for 7.500 Tortonal well			Section 15 of T23S R29E Section 10 of T23S R29E			DEPTH (TVD/TMD) STATE	10066'/ 17426' New Mexico
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7 MISCELLANEOUS 15,000 9 SIM-OPS \$ 2,053,625 \$ 3,274,260 TOTAL INTANGIBLE COSTS DRILLING (400) COMPLETION (600) 1 CASING - SURFACE \$ 20,000 \$ 2 CASING - SURFACE \$ 15,631 - 32 CASING - INTERMEDIATE 61,320 - 44 CASING - PRODUCTION / LINER 271,872 - 5 CASING - RENDUCTION / LINER 271,872 - 6 SUBSURFACE EQUIPMENT - - 7 PRODUCTION / LINER - - 8 SUBSURFACE EQUIPMENT - - 7 PRODUCTION / LINER - - 8 SUBSURFACE PUMPING EQUIPMENT - - 9 WELLHEAD EQUIPMENT - - 9 WELLHEAD EQUIPMENT - - 9 WELLHEAD EQUIPMENT - - 10 FLOWLINES - - - 11 SURFACE PUMPING EQUIPMENT - - - 12 LINER HANGER & ASSOC							-
Instruction Simops Status Status <thstatus< th=""> Status <thstat< td=""><td></td><td></td><td></td><td></td><td>0</td><td>,</td><td>3, 15,</td></thstat<></thstatus<>					0	,	3, 15,
TOTAL INTANGIBLE COSTS \$ 2,053,625 \$ 3,274,260 \$ TANGIBLE COSTS DRILLING (400) COMPLETION (600) 0 1 CASING - CONDUCTOR \$ 20,000 \$ \$ 2 CASING - SURFACE 15,631 \$ \$ 3 CASING - INTERMEDIATE 61,320 \$ \$ 4 CASING - INTERMEDIATE 2 326,625 \$ \$ 15 CASING - PRODUCTION / LINER 271,872 \$ \$ 16 SUBSURFACE EQUIPMENT 7 \$ \$ \$ 17 PRODUCTION TUBING \$ \$ \$ \$ \$ 18 SUBSURFACE PUMPING EQUIPMENT 40,000 \$ \$ \$ \$ 19 WELLHEAD EQUIPMENT 40,000 \$						13,000	13,
1 CASING - CONDUCTOR \$ 20,000 \$ 2 CASING - SURFACE 15,631 3 CASING - INTERMEDIATE 61,320 4 CASING - INTERMEDIATE 2 326,625 5 CASING - PRODUCTION / LINER 271,872 6 SUBSURFACE EQUIPMENT - 7 PRODUCTION TUBING - 8 SUBSURFACE PUMPING EQUIPMENT - 9 WELLHEAD EQUIPMENT 40,000 0 FLOWLINES - 1 SURFACE PUMPING EQUIPMENT - 0 FLOWLINES - 1 SURFACE PUMPING EQUIPMENT - 2 LINER HANGER & ASSOC EQUIP - 3 VALVES & FITTINGS - - 7 TRUCKING - - 8 RODUCTION EQUIPMENT - - 9 TANGIBLE EQUIP.ACQUIS	-	TOTAL INTANGIBLE O	OSTS		\$ 2,053,625	\$ 3,274,250	\$ 5,327,
2 CASING - SURFACE 15,631 3 CASING - INTERMEDIATE 61,320 4 CASING - INTERMEDIATE 2 326,625 5 CASING - PRODUCTION / LINER 271,872 6 SUBSURFACE EQUIPMENT 2 7 PRODUCTION TUBING 8 8 SUBSURFACE PUMPING EQUIPMENT 40,000 9 WELLHEAD EQUIPMENT 40,000 0 FLOWLINES 2 1 SURFACE PUMPING EQUIPMENT 2 2 LINER HANGER & ASSOC EQUIP 2 3 VALVES & FITTINGS 2 3 VALVES & FITTINGS 2 3 VALVES & FITTINGS 2 4 PRODUCTION EQUIPMENT 1 7 TRUCKING 1 0 RE-ENTRY EQUIPMENT 7 4 PRODUCTION EQUIPMENT 10,000 9 TANGIBLE EQUIP-ACQUISITIONS 1 10 TOTAL INTANGIBLE COSTS \$ 745,448 1,066,914 \$ EPARED BY: Alex Bourland & Paul Jobe Senior Operations Engineers DATE:							
3 CASING - INTERMEDIATE 61,320 4 CASING - INTERMEDIATE 2 326,625 5 CASING - PRODUCTION / LINER 271,872 6 SUBSURFACE EQUIPMENT 271,872 7 PRODUCTION TUBING			R		, .,		\$ 20, 15,
4 CASING - INTERMEDIATE 2 322,625 5 CASING - PRODUCTION / LINER 271,872 6 SUBSURFACE EQUIPMENT 271,872 7 PRODUCTION TUBING 40,000 8 SUBSURFACE PUMPING EQUIPMENT 40,000 9 WELLHEAD EQUIPMENT 40,000 10 FLOWLINES 1 2 LINER HANGER & ASSOC EQUIP 1 3 VALVES & FITTINGS 271,430 7 TRUCKING 71,430 8 RE-ENTRY EQUIPMENT 1 4 PRODUCTION EQUIPMENT 1 7 TRUCKING 1 0 RE-ENTRY EQUIPMENT 10,000 4 PRODUCTION EQUIPMENT 10,000 9 TANGIBLE EQUIP-ACQUISITIONS 10,000 9 TOTAL INTANGIBLE COSTS <td></td> <td></td> <td>ATE</td> <td></td> <td>,</td> <td></td> <td>61,</td>			ATE		,		61,
6 SUBSURFACE EQUIPMENT	-				,		326,
7 PRODUCTION TUBING					271,872		271,
8 SUBSURFACE PUMPING EQUIPMENT 40,000 9 WELLHEAD EQUIPMENT 40,000 1 SURFACE PUMPING EQUIPMENT							
9 WELLHEAD EQUIPMENT 40,000 0 FLOWLINES 1 1 SURFACE PUMPING EQUIPMENT 1 2 LINER HANGER & ASSOC EQUIP 1 3 VALVES & FITTINGS 271,430 5 RODS 271,430 7 TRUCKING 1 10 RE-ENTRY EQUIPMENT 1 4 PRODUCTION EQUIPMENT 795,485 7 MISCELLANEOUS 10,000 9 TANGIBLE EQUIP-ACQUISITIONS 10,000 9 TANGIBLE COSTS \$ 745,448 1,066,914 \$ TOTAL ESTIMATED WELL COST \$ 2,799,073 \$ 4,341,164 EPARED BY: Alex Bourland & Paul Jobe Senior Operations Engineers DATE: ERATOR APPROVAL:							
0 FLOWLINES					40.000		40,
2 LINER HANGER & ASSOC EQUIP	-						,
3 VALVES & FITTINGS 271,430 5 RODS 7 7 TRUCKING 10 00 RE-ENTRY EQUIPMENT 795,485 7 MISCELLANEOUS 10,000 9 TANGIBLE EQUIP-ACQUISITIONS 10,000 9 TANGIBLE COSTS \$ 745,448 \$ 1,066,914 \$ TOTAL INTANGIBLE COSTS \$ 2,799,073 \$ 4,341,164 EPARED BY: Alex Bourland & Paul Jobe Senior Operations Engineers DATE: ERATOR APPROVAL:							
5 RODS						074 400	074
7 TRUCKING						271,430	271,
20 RE-ENTRY EQUIPMENT 795,485 24 PRODUCTION EQUIPMENT 795,485 27 MISCELLANEOUS 10,000 19 TANGIBLE EQUIP-ACQUISITIONS 10,000 10 TOTAL INTANGIBLE COSTS \$ 745,448 10 TOTAL ESTIMATED WELL COST \$ 2,799,073 10 Senior Operations Engineers DATE: 10 Coo DATE:							
17 MISCELLANEOUS 10,000 Image: constant of the second secon	-						
IP TANGIBLE EQUIP-ACQUISITIONS TOTAL INTANGIBLE COSTS \$ 745,448 TOTAL ESTIMATED WELL COST \$ 2,799,073 EPARED BY: Alex Bourland & Paul Jobe Senior Operations Engineers DATE: ERATOR APPROVAL: coo			/ENT			795,485	795,
TOTAL INTANGIBLE COSTS \$ 745,448 \$ 1,066,914 \$ TOTAL ESTIMATED WELL COST \$ 2,799,073 \$ 4,341,164 \$ EPARED BY: Alex Bourland & Paul Jobe Senior Operations Engineers DATE: ERATOR APPROVAL:					10,000		10,
TOTAL ESTIMATED WELL COST \$ 2,799,073 \$ 4,341,164 \$ EPARED BY: Alex Bourland & Paul Jobe Senior Operations Engineers DATE: ERATOR APPROVAL: COO DATE:	9				\$ 745.448	\$ 1.066.914	\$ 1,812,
EPARED BY: Alex Bourland & Paul Jobe Senior Operations Engineers DATE: ERATOR APPROVAL:							
ERATOR APPROVAL:COO DATE:		IUTAL ESTIMATEL	WELL GUOI			φ 4,341,164	\$ 7,140,2
ERATOR APPROVAL:COO DATE:							
	EPAI	RED BY:	Alex Bourland & Paul Jobe		Senior Operations Engineers	DATE:	4/21/2021
ERATOR APPROVAL:CEO or CFO DATE:	ERA	TOR APPROVAL:				DATE:	
	ER 4				CEO or CEO	DΔTE·	
						DATE.	
	TN	ER COMPANY NAME:					

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.
Released to Imaging: 6/30/2021 8:09:03 AM

TITLE:



VELL NA	ME	Saturninus Fed Com 1510 212H	AFE TY	PE	Development	AFE NUMBER	2015098	
	LOCATION	Section 15 & 10 of T23S R29E	FIELD		Northern Delaware	DRILLING DAYS	22	
		Section 15 of T23S R29E	FORMA		Wolfcamp XY	DEPTH (TVD/TMD)	10091/174	
-	HOLE LOCATION	Section 10 of T23S R29E Drilling, completion, facilities and pipe	eline costs for 7,500' hor		Eddy County well	STATE	New Mexic	0
			, , , , , , , , , , , , , , , , , , ,					
		DESCRIPTION OF EXPENDITUR	E			COST ESTIMATE	1	
0DE 01 S	URVEY/PERMITS/DAM	INTANGIBLE COSTS MAGES/LEGAL			DRILLING (300) \$ 25,000	COMPLETION (500)	\$	25,0
	OCATION & ROAD				73,125		•	73,1
	IG MOVE				30,000			30,0
	RILLING - FOOTAGE				40,000 338,000			40,0
	OMPLETION/WORKO	VER RIG			558,000			550,0
	OIL TUBING/SNUBBIN	G UNIT				150,000		150,0
	LICKLINE/SWABBING				100.000	7.500		407
	ITS IRECTIONAL SERVICE	-8			<u> 100,000</u> 170,000	7,500		107,5 170,0
	ASING CREW				80,000			80,0
	OOL & EQUIPMENT R	ENTAL			176,000	150,000		326,
-	UEL & POWER IESEL - BASE FOR MU				<u>130,500</u> 100,000	75,000		205,
	IUD LOGGING & GEOL				30,000			100,0 30,0
	ISPOSAL, RESTORAT				108,000			108,0
	RUCKING				85,000	30,000		115,
	ESTING EMENTING				90,000			90,
	ERFORATING				90,000	131,250		131,2
21 C	ASED HOLE LOGS							
	OWNHOLE TOOLS &	SERVICE			50,000	37,500		87,
	THER STIMULATION	ION				1,800,000		1,800,
	ONSULTING SERVICE					1,000,000		1,000,
	UPERVISION				90,000	67,500		157,
	ONTRACT LABOR				40,000	15,000		55,
	THER LABOR	G/SLIPV				60,000		60,
	ATER				40,000	637,500		677,
	LUIDS & CHEMICALS				150,000	,		150,
	ORING & ANALYSIS					15.000		
	OMMUNICATIONS				8,000 15,000	15,000 15,000		23, 30,
	ISHING TOOLS & SER	VICES			10,000	10,000		00,
	ISPECTIONS				10,000	7,500		17,
	/IRELINE SERVICES							
	NGINEERING & GEOL NGINEERING & GEOL				15,000			15,
	IULTISHOT & GYRO				13,000			15,
42 R	E-ENTRY SERVICES							
	AMPS & TRAILERS	1100			50,000	35,000		85,
	AFETY EQUIPMENT &	H25			10,000	7,500		17,
	ISURANCE				0	3,000		3,
	IISCELLANEOUS					15,000		15,
-	IM-OPS OTAL INTANGIBLE CO	פדפר			\$ 2,053,625	\$ 3,274,250	¢	5,327,
		TANGIBLE COSTS			DRILLING (400)	COMPLETION (600)		TAL
01 C	ASING - CONDUCTOF				\$ 20,000		\$	20,
	ASING - SURFACE	T.C.			15,631			15,
	ASING - INTERMEDIA ASING - INTERMEDIA				61,320 326,625			61, 326,
	ASING - PRODUCTION				271,872			271,
06 S	UBSURFACE EQUIPM	ENT			,			,
	RODUCTION TUBING							
	UBSURFACE PUMPIN /ELLHEAD EQUIPMEN				40,000			40,
	LOWLINES				+0,000			+v,
	URFACE PUMPING EC							
	INER HANGER & ASS	DC EQUIP				074.400		074
	ALVES & FITTINGS					271,430		271,
	RUCKING			_				
	E-ENTRY EQUIPMEN							-
	RODUCTION EQUIPM	ENT			40.000	795,485		795,
	IISCELLANEOUS ANGIBLE EQUIP-ACQ	UISITIONS			10,000			10,
	OTAL INTANGIBLE CO				\$ 745,448	\$ 1,066,914	\$	1,812,
т	OTAL ESTIMATED	WELL COST			\$ 2,799,073	\$ 4,341,164	\$	7,140,2
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EPARE	ED BY:	Alex Bourland & Paul Jobe			Senior Operations Engineers	DATE:	4/21	/2021
ERATO	OR APPROVAL:				C00	DATE:		
						3,		
ERATC	OR APPROVAL:				CEO or CFO	DATE:		
RTNEF	R COMPANY NAME:							
RTNER	R APPROVAL:					DATE:		
E:						_		
						-		

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.
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SURFA		Saturninus Fed Com 1510 215H	AFE TYPE	Development	AFE NUMBER	2015099
вотто		Section 15 & 10 of T23S R29E	FIELD	Northern Delaware	DRILLING DAYS DEPTH (TVD/TMD)	22
	CE LOCATION	Section 15 of T23S R29E Section 10 of T23S R29E	FORMATION COUNTY	Wolfcamp XY Eddy County	DEPTH (TVD/TMD) STATE	10106/ 17466' New Mexico
PROJE	CT DESCRIPTION	Drilling, completion, facilities and pip			UIAL	
ACCT.		DESCRIPTION OF EXPENDITUR	RE		COST ESTIMATE	
01	SURVEY/PERMITS/DA			DRILLING (300) \$ 25,000	COMPLETION (500)	\$ 25,00
	LOCATION & ROAD			73,125		73,12
03	RIG MOVE			30,000		30,00
	DRILLING - FOOTAGE			40,000		40,00
	DRILLING - DAYWORK			338,000		338,00
06 07	COMPLETION/WORKC				150,000	150.00
	SLICKLINE/SWABBING				100,000	100,00
	BITS			100,000	7,500	107,50
10	DIRECTIONAL SERVIC	ES		170,000		170,00
11	CASING CREW			80,000	450.000	80,00
12 13	TOOL & EQUIPMENT F	KENTAL		176,000 130,500	150,000 75,000	326,00 205,50
	DIESEL - BASE FOR M	UD		100.000	73,000	100,00
	MUD LOGGING & GEO			30,000		30,00
16	DISPOSAL, RESTORA	TION & BACKFILL		108,000		108,00
17	TRUCKING			85,000	30,000	115,00
	TESTING			00.000		00.00
	CEMENTING PERFORATING			90,000	131,250	90,00 131.25
	CASED HOLE LOGS				131,230	131,23
	DOWNHOLE TOOLS &	SERVICE		50,000	37,500	87,50
	OTHER STIMULATION					
	FORMATION STIMULA				1,800,000	1,800,00
	CONSULTING SERVIC	ES		90,000	15,000 67,500	15,00 157,50
	CONTRACT LABOR			40,000	67,500	157,50
	OTHER LABOR			10,000	60,000	60,00
29	COMPANY CONSULTIN	NG/SUPV				
	WATER			40,000	637,500	677,50
	FLUIDS & CHEMICALS			150,000		150,00
	CORING & ANALYSIS			8,000	15.000	23,00
	BOP TESTING			15,000	15,000	30,00
	FISHING TOOLS & SEF	RVICES		.,		
	INSPECTIONS			10,000	7,500	17,50
	WIRELINE SERVICES					
	ENGINEERING & GEO			15.000		15,00
	ENGINEERING & GEOI MULTISHOT & GYRO			15,000		15,00
	RE-ENTRY SERVICES					
43	CAMPS & TRAILERS			50,000	35,000	85,00
	SAFETY EQUIPMENT &	& H2S		10,000	7,500	17,50
	CONTINGENCY			0	3,000	3,00
					3,000	,
46	INSURANCE			0	15 000	15.00
46 47				0	15,000	,
46 47	INSURANCE MISCELLANEOUS	OSTS			15,000 \$ 3,274,250	
46 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400)	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL
46 47 49 01	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00
46 47 49 01 02	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE	TANGIBLE COSTS R		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63
46 47 49 01 02 03	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO	TANGIBLE COSTS R TE		\$ 2,053,625 DRILLING (400) \$ 20,000	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32
46 47 49 01 02 03 04	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA	TANGIBLE COSTS R 		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62
46 47 49 01 02 03 04 05 06	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87
46 47 49 01 02 03 04 05 06 07	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87
46 47 49 01 02 03 04 05 06 07 08	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN	TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87
46 47 49 01 02 03 04 05 06 07 08 09	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING	TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00
46 47 49 01 02 03 04 05 06 07 08 09 10 11	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES	TANGIBLE COSTS R TE TE 2 N / LINER MENT G EQUIPMENT NT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPME PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEI FLOWLINES SURFACE PUMPING E LINER HANGER & ASS	TANGIBLE COSTS R TE TE 2 N / LINER MENT G EQUIPMENT NT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	\$ 3,274,250 COMPLETION (600)	TOTAL \$ 20,000 15,63 61,320 326,620 271,877 0 0 0 0 0 0 0 0 0 0 0 0 0
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE PUMPIN PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS	TANGIBLE COSTS R TE TE 2 N / LINER MENT G EQUIPMENT NT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43
46 47 49 01 02 03 04 05 06 07 08 09 10 11 11 12 13 15	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS	TANGIBLE COSTS R TE TE 2 N / LINER MENT G EQUIPMENT NT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43
46 47 49 01 02 03 04 05 06 07 08 09 10 11 11 12 13 15 17	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE PUMPIN PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT IG EQUIPMENT VT QUIPMENT QUIPMENT OC EQUIP		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,000 15,63 61,320 326,622 271,872 (0 (0 40,000 0 (0 0 0 0 0 0 0 0 0 0 0 0 0
46 47 49 01 02 03 04 05 06 07 08 09 10 11 11 12 13 15 17 20	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEI FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING	TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT VT QUIPMENT OC EQUIP T		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,000 15,63 61,320 326,620 271,87 40,000 271,430 0 0 0 0 0 0 0 0 0 0 0 0 0
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM	TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT NT QUIPMENT OC EQUIP T IENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,000 15,63 61,320 326,620 271,872 (0 40,000 (0 271,430 (0 (0 (0 (0 (0 (0 (0 (0 (0 (
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC	TANGIBLE COSTS R ATE TE 2 N / LINER MENT G EQUIPMENT NT QUIPMENT OC EQUIP T IENT UISITIONS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000	\$ 3,274,250 COMPLETION (600) 271,430 795,485	\$ 5,327,87 TOTAL \$ 20,000 15,63 61,320 326,622 271,87 (0 0 0 0 0 0 0 0 0 0 0 0 0
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING ELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT //G EQUIPMENT NT QUIPMENT OC EQUIP T IENT OUISITIONS OSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448	\$ 3,274,250 COMPLETION (600)	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 1,812,36
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT //G EQUIPMENT NT QUIPMENT OC EQUIP T IENT OUISITIONS OSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000	\$ 3,274,250 COMPLETION (600) 271,430 795,485 \$ 1,066,914	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 \$ 1,812,36
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING ELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT //G EQUIPMENT NT QUIPMENT OC EQUIP T IENT OUISITIONS OSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448	\$ 3,274,250 COMPLETION (600) 271,430 795,485 \$ 1,066,914	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 271,43 10,00 \$ 1,812,36
46 47 49 01 02 03 04 05 06 07 08 09 10 11 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING ELINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT IG EQUIPMENT NT QUIPMENT OC EQUIP T IENT OC EQUIP WUISITIONS OSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448 \$ 2,799,073	\$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 271,43 10,00 \$ 1,812,36 \$ 7,140,237
46 47 49 01 02 03 04 05 06 07 08 09 10 11 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING ELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT //G EQUIPMENT NT QUIPMENT OC EQUIP T IENT OUISITIONS OSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448	\$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 1,812,36
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 PREPAR	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING ELINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT IG EQUIPMENT NT QUIPMENT OC EQUIP T IENT OC EQUIP WUISITIONS OSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448 \$ 2,799,073	\$ 3,274,250 COMPLETION (600) 2011 2011 2011 2011 2011 2011 2011 2	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 271,43 10,00 \$ 1,812,36 \$ 7,140,237
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 PREPAR	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C RED BY: TOR APPROVAL:	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT IG EQUIPMENT NT QUIPMENT OC EQUIP T IENT OC EQUIP WUISITIONS OSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers 	\$ 3,274,250 COMPLETION (600) 2011 2011 2011 2011 2011 2011 2011 2	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 \$ 1,812,36 \$ 7,140,237 4/21/2021
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 PREPAR	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING SUBSURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL ESTIMATED RED BY:	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT IG EQUIPMENT NT QUIPMENT OC EQUIP T IENT OC EQUIP WUISITIONS OSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers	\$ 3,274,250 COMPLETION (600) 2011 2011 2011 2011 2011 2011 2011 2	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 \$ 1,812,36 \$ 7,140,237 4/21/2021
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 PREPAR	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C RED BY: TOR APPROVAL:	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT IG EQUIPMENT NT QUIPMENT OC EQUIP T IENT OC EQUIP WUISITIONS OSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers 	\$ 3,274,250 COMPLETION (600) 2011 2011 2011 2011 2011 2011 2011 2	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 \$ 1,812,36 \$ 7,140,237 4/21/2021
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 PREPAR	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C RED BY: TOR APPROVAL:	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT IG EQUIPMENT NT QUIPMENT OC EQUIP T IENT OC EQUIP WUISITIONS OSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers 	\$ 3,274,250 COMPLETION (600) 2011 2011 2011 2011 2011 2011 2011 2	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 271,43 10,00 \$ 1,812,36 \$ 7,140,233 4/21/2021
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 PREPAF	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING ELINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C TOTAL ESTIMATED RED BY: TOR APPROVAL:	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT IG EQUIPMENT NT QUIPMENT OC EQUIP T IENT OC EQUIP WUISITIONS OSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers 	\$ 3,274,250 COMPLETION (600) 2011 2011 2011 2011 2011 2011 2011 2	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 271,43 10,00 \$ 1,812,36 \$ 7,140,23 4/21/2021
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 PREPAF	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C RED BY: TOR APPROVAL:	TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT IG EQUIPMENT NT QUIPMENT OC EQUIP T IENT OC EQUIP WUISITIONS OSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000 10,000 \$ 745,448 \$ 2,799,073 Senior Operations Engineers 	\$ 3,274,250 COMPLETION (600) 2011 2011 2011 2011 2011 2011 2011 2	\$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43 271,43 10,00 \$ 1,812,36 \$ 7,140,23 4/21/2021

TITLE:

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		Saturninus Fed Com 1510 221H		Development		2015100
	L LOCATION	Section 15 & 10 of T23S R29E Section 15 of T23S R29E	FIELD FORMATION	Northern Delaware Wolfcamp A	DRILLING DAYS DEPTH (TVD/TMD)	22 10236'/ 17596'
	M-HOLE LOCATION	Section 10 of T23S R29E	COUNTY	Eddy County	STATE	New Mexico
OJEC	CT DESCRIPTION	Drilling, completion, facilities and pipeli	ne costs for 7,500' horizontal	well		
CCT.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
DDE		INTANGIBLE COSTS		DRILLING (300)	COMPLETION (500)	
	SURVEY/PERMITS/DAM	AGES/LEGAL		\$ 25,000		\$ 25,
	LOCATION & ROAD RIG MOVE			73,125		73,
	DRILLING - FOOTAGE			30,000 40,000		30,
	DRILLING - DAYWORK			338,000		338,
	COMPLETION/WORKO					
	COIL TUBING/SNUBBIN	G UNIT			150,000	150,
	SLICKLINE/SWABBING BITS			100,000	7,500	107,
	DIRECTIONAL SERVICE	S.		170,000	.,	170,
	CASING CREW			80,000		80,
	TOOL & EQUIPMENT RI	INTAL		176,000	150,000	326,
	DIESEL - BASE FOR MU	 ID		130,500 100,000	75,000	205, 100,
	MUD LOGGING & GEOL			30,000		30,
6	DISPOSAL, RESTORAT	ON & BACKFILL		108,000		108,
	TRUCKING			85,000	30,000	115,
	TESTING CEMENTING			90,000		90,
	PERFORATING			30,000	131,250	131,
	CASED HOLE LOGS				,	,
	DOWNHOLE TOOLS & S	SERVICE		50,000	37,500	87,
	OTHER STIMULATION FORMATION STIMULAT	1011			1,800,000	1,800,
	CONSULTING SERVICE				1,800,000	1,800,
26	SUPERVISION			90,000	67,500	157,
	CONTRACT LABOR			40,000	15,000	55,
	OTHER LABOR COMPANY CONSULTIN	C/SLID)/			60,000	60,
	WATER	3/30PV		40,000	637,500	677,
	FLUIDS & CHEMICALS			150,000		150,
	CORING & ANALYSIS					
	COMMUNICATIONS			8,000	15,000	23,
	BOP TESTING FISHING TOOLS & SER	VICES		15,000	15,000	30,
	INSPECTIONS			10,000	7,500	17,
	WIRELINE SERVICES					
	ENGINEERING & GEOL			45.000		
	ENGINEERING & GEOL MULTISHOT & GYRO	JGY - OFFICE		15,000		15,
	RE-ENTRY SERVICES					
	CAMPS & TRAILERS			50,000	35,000	85,
	SAFETY EQUIPMENT &	H2S		10,000	7,500	17,
	CONTINGENCY INSURANCE			0	3,000	3,
	MISCELLANEOUS			0	15,000	3,
19	SIM-OPS				10,000	,
	TOTAL INTANGIBLE CO			\$ 2,053,625		
1	CASING - CONDUCTOR	TANGIBLE COSTS		DRILLING (400) \$ 20,000	COMPLETION (600)	TOTAL \$ 20.
	CASING - CONDUCTOR			\$ 20,000 15,631		5 20, 15,
	CASING - INTERMEDIA	Ē		61,320		61,
	CASING - INTERMEDIA			326,625		326,
	CASING - PRODUCTION			271,872		271,
	SUBSURFACE EQUIPM PRODUCTION TUBING					
	SUBSURFACE PUMPIN	3 EQUIPMENT				
	WELLHEAD EQUIPMEN	т		40,000		40,
	FLOWLINES					
	SURFACE PUMPING EC					
	VALVES & FITTINGS				271,430	271,
5	RODS					
	RE-ENTRY EQUIPMENT PRODUCTION EQUIPM				795,485	795,
	MISCELLANEOUS			10,000	1 30,400	10
.9	TANGIBLE EQUIP-ACQ			,		
	TOTAL INTANGIBLE CO	ISTS		\$ 745,448	\$ 1,066,914	\$ 1,812,
	TOTAL ESTIMATED	WELL COST	<u></u> _	\$ 2,799,073	\$ 4,341,164	\$ 7,140,2
	RED BY:	Alex Bourland & Paul Jobe		Senior Operations Engineers	DATE	4/21/2021
	FOR APPROVAL:			COO	DATE:	
ERAT				CEO or CFO	DΔTE·	
					DATE.	
	FOR APPROVAL:					
	FOR APPROVAL:					
ERAT						
	R COMPANY NAME:					
ERAT					DATE:	

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



VELL NAME	E	Saturninus Fed Com 1510 222H	AFE TYPE	Development	AFE NUMBER	2015101
ATERAL LO		Section 15 & 10 of T23S R29E	FIELD	Northern Delaware	DRILLING DAYS	2015101
	OCATION	Section 15 of T23S R29E	FORMATION		DEPTH (TVD/TMD)	10261'/ 17621'
	OLE LOCATION DESCRIPTION	Section 10 of T23S R29E Drilling, completion, facilities and pipel	COUNTY	Eddy County	STATE	New Mexico
СТ.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
DDE 01 SUR	RVEY/PERMITS/DAM			DRILLING (300) \$ 25,000	COMPLETION (500)	\$ 25,
	CATION & ROAD			73,125		73,
	MOVE			30,000		30,
	LLING - FOOTAGE			40,000		40,
	LLING - DAYWORK	/FR RIG		338,000		338,
	IL TUBING/SNUBBIN				150,000	150,
	CKLINE/SWABBING					
09 BITS				100,000	7,500	107,
	ECTIONAL SERVICE	.5		170,000 80,000		170, 80,
-	OL & EQUIPMENT R	ENTAL		176,000		326,
13 FUE	EL & POWER			130,500		205,
	SEL - BASE FOR MU			100,000		100,
	D LOGGING & GEOL POSAL, RESTORAT			30,000		30,
	JCKING	ON & BACKFILL		108,000 85,000	30,000	108, 115,
	STING			03,000	30,000	113,
	MENTING			90,000		90,
	RFORATING				131,250	131,
	SED HOLE LOGS			== ===	07.55	
	WNHOLE TOOLS & S HER STIMULATION	DERVICE		50,000	37,500	87,
	RMATION STIMULATION	ION			1,800,000	1,800
	NSULTING SERVICE				15,000	15,
	PERVISION			90,000	67,500	157,
	NTRACT LABOR			40,000	15,000	55,
	HER LABOR MPANY CONSULTIN				60,000	60,
30 WA		G/SUF V		40,000	637,500	677,
	JIDS & CHEMICALS			150,000		150,
2 COF	RING & ANALYSIS					
	MMUNICATIONS			8,000	,	23,
	P TESTING HING TOOLS & SER'	1050		15,000	15,000	30,
	PECTIONS	VICES		10,000	7,500	17,
	RELINE SERVICES			10,000	1,000	
9 ENG	GINEERING & GEOL	OGY - FIELD				
	GINEERING & GEOL	OGY - OFFICE		15,000		15,
	LTISHOT & GYRO ENTRY SERVICES					
	MPS & TRAILERS			50,000	35,000	85
	ETY EQUIPMENT &	H2S		10,000	,	17
45 CON	NTINGENCY					
	URANCE			0	.,	3,
	CELLANEOUS				15,000	15,
-	FAL INTANGIBLE CO	OSTS		\$ 2,053,625	\$ 3,274,250	\$ 5,327,
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
	SING - CONDUCTOR			\$ 20,000		\$ 20,
	SING - SURFACE SING - INTERMEDIA ⁻	E		15,631 61,320		15
	SING - INTERMEDIA			326,625		326
	SING - PRODUCTION			271,872		271
6 SUB	BSURFACE EQUIPM	ENT				
	ODUCTION TUBING					
	BSURFACE PUMPIN			10.000		10
	LLHEAD EQUIPMEN	1		40,000		40,
	RFACE PUMPING EQ	UIPMENT				
	ER HANGER & ASSO					
	VES & FITTINGS				271,430	271
5 ROE						
-	JCKING ENTRY EQUIPMENT					
					795,485	795,
	CELLANEOUS			10,000		10,
	NGIBLE EQUIP-ACQU					
тот	TAL INTANGIBLE CO	0515		\$ 745,448	\$ 1,066,914	\$ 1,812,
TO	TAL ESTIMATED	WELL COST		\$ 2,799,073	\$ 4,341,164	\$ 7,140,2
EPARED	BY:	Alex Bourland & Paul Jobe		Senior Operations Engineers	DATE:	4/21/2021
ERATOR	R APPROVAL:			COO	DATE:	
FRATOP	RAPPROVAL:			CEO or CFO	DATE:	
	COVAL.				DATE:	
RTNER C	COMPANY NAME:					
TNER A	APPROVAL:				DATE:	
LE:						

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Released to Imaging: 6/30/2021 8:09:03 AM



NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1001 West Wilshire, Suite 206

DCATION DCATION DCATION DELCATION ESCRIPTION ESCRIPTION ESCRIPTION VEY/PERMITS/DAM/ ATION & ROAD MOVE LING - FOOTAGE LING - FOOTAGE COTONAL SERVICES EN A COMPACT COSAL, RESTORATION CKING FORATING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION TRACT LABOR	ER RIG B UNIT S NTAL D DGIST DN & BACKFILL	FIELD FORMATION COUNTY le costs for 7,500' horizontal	Northern Delaware Wolfcamp A Eddy County well DRILLING (300) \$ 25,000 73,125 30,000 40,000 338,000 100,000 170,000 100,000 100,000 30,000 100,000 108,000 85,000	DRILLING DAYS DEPTH (TVD/TMD) STATE COST ESTIMATE COMPLETION (500) 150,000 7,500 150,000 75,000	22 10281// 17641' New Mexico \$ 2 77 33 44 333 155 10 10 177 8 8 32 20 20 10
VEY/PERMITS/DAM/ ATION & ROAD MOVE LING - FOOTAGE LING - FOOTAGE LING - DAYWORK IPLETION/WORKOV TUBING/SNUBBING CTIONAL SERVICE ING CREW L & EQUIPMENT RE L & POWER EL - BASE FOR MUI L OGGING & GEOLO COSAL, RESTORATIO CKING TING ENTING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	Section 10 of T23S R29E Drilling, completion, facilities and pipelir DESCRIPTION OF EXPENDITURE INTANGIBLE COSTS AGES/LEGAL ER RIG B UNIT S NTAL DOGIST DN & BACKFILL	COUNTY	Eddy County well DRILLING (300) \$ 25,000 73,125 30,000 40,000 338,000 100,000 170,000 176,000 130,500 100,000 330,000	STATE COST ESTIMATE COMPLETION (500) 150,000 7,500 150,000	New Mexico
ESCRIPTION VEY/PERMITS/DAM/ ATION & ROAD MOVE LING - FOOTAGE LING - FOOTAGE LING - FOOTAGE LING - FOOTAGE LING - FOOTAGE CING - FOOTAGE IPLETION/WORKOV TUBING/SNUBBING CTIONAL SERVICES ING CREW L & EQUIPMENT RE L & POWER EL - BASE FOR MUI DOGGING & GEOLO COSAL, RESTORATIO CKING TING ED HOLE ASS FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	Drilling, completion, facilities and pipelir DESCRIPTION OF EXPENDITURE INTANGIBLE COSTS AGES/LEGAL ER RIG B UNIT S NTAL D DGIST DN & BACKFILL		well DRILLING (300) \$ 25,000 73,125 30,000 40,000 338,000 100,000 170,000 176,000 176,000 130,500 100,000 30,000 108,000	COST ESTIMATE COMPLETION (500) 150,000 7,500 150,000	\$ 2 7 3 4 4 3 3 3 1 5 1 0 10 17 8 8 32 20 10
ATION & ROAD MOVE LING - FOOTAGE LING - DAYWORK IPLETION/WORKOV . TUBING/SNUBBING KLINE/SWABBING CTIONAL SERVICE ING CREW L & EQUIPMENT RE & A POWER EL - BASE FOR MUI D LOGGING & GEOLO COSAL, RESTORATIO CKING TING ENTING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	INTANGIBLE COSTS AGES/LEGAL ER RIG B UNIT S NTAL D DGIST DN & BACKFILL		\$ 25,000 73,125 30,000 40,000 338,000 100,000 170,000 80,000 176,000 130,500 100,000 30,000 108,000	COMPLETION (500)	77 33 44 333 15 10 10 17 8 8 32 20 20 10
ATION & ROAD MOVE LING - FOOTAGE LING - DAYWORK IPLETION/WORKOV . TUBING/SNUBBING KLINE/SWABBING CTIONAL SERVICE ING CREW L & EQUIPMENT RE & A POWER EL - BASE FOR MUI D LOGGING & GEOLO COSAL, RESTORATIO CKING TING ENTING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	INTANGIBLE COSTS AGES/LEGAL ER RIG B UNIT S NTAL D DGIST DN & BACKFILL		\$ 25,000 73,125 30,000 40,000 338,000 100,000 170,000 80,000 176,000 130,500 100,000 30,000 108,000	COMPLETION (500)	77 33 44 333 15 10 10 17 8 8 32 20 20 10
ATION & ROAD MOVE LING - FOOTAGE LING - DAYWORK IPLETION/WORKOV . TUBING/SNUBBING KLINE/SWABBING CTIONAL SERVICE ING CREW L & EQUIPMENT RE & A POWER EL - BASE FOR MUI D LOGGING & GEOLO COSAL, RESTORATIO CKING TING ENTING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	AGES/LEGAL ER RIG & UNIT S NTAL DOGIST DN & BACKFILL		\$ 25,000 73,125 30,000 40,000 338,000 100,000 170,000 80,000 176,000 130,500 100,000 30,000 108,000	150,000 7,500 150,000	77 33 44 333 15 10 10 17 8 8 32 20 20 10
MOVE LING - FOOTAGE LING - DAYWORK IPLETION/WORKOV .TUBING/SNUBBING KLINE/SWABBING CTIONAL SERVICE ING CREW L & EQUIPMENT RE & POWER SEL - BASE FOR MUI DOGGING & GEOLO COSAL, RESTORATIO COSAL, RESTORATIO CKING FORATING FORATING FORATING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	S UNIT S NTAL D DGIST DN & BACKFILL		30,000 40,000 338,000 100,000 170,000 80,000 176,000 130,500 100,000 30,000	7,500	33 44 333 15 10 10 17 8 8 32 20 20 10
LING - FOOTAGE LING - DAYWORK IPLETION/WORKOV TUBING/SNUBBING KLINE/SWABBING CTIONAL SERVICE ING CREW L & EQUIPMENT RE L & EQUIPMENT RE CKING CKING TING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	S UNIT S NTAL D DGIST DN & BACKFILL		40,000 338,000 100,000 170,000 80,000 176,000 130,500 100,000 30,000	7,500	44 333 15 10 10 17 8 8 32 20 10
LING - DAYWORK IPLETION/WORKOV TUBING/SNUBBING KLINE/SWABBING CTIONAL SERVICE ING CREW L & EQUIPMENT RE L & POWER EL - BASE FOR MUI LOGGING & GEOLO COSAL, RESTORATIO CKING TING ENTING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	S UNIT S NTAL D DGIST DN & BACKFILL		338,000 100,000 170,000 80,000 176,000 130,500 100,000 30,000 108,000	7,500	33 15 10 10 17 8 32 20 20 10
IPLETION/WORKOV . TUBING/SNUBBING KLINE/SWABBING CTIONAL SERVICE ING CREW L & EQUIPMENT RE L & POWER EL - BASE FOR MUI LOGGING & GEOLO COSAL, RESTORATIO CKING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	S UNIT S NTAL D DGIST DN & BACKFILL		100,000 170,000 80,000 176,000 130,500 100,000 30,000 108,000	7,500	15 10 10 17 8 32 20 20 10
KLINE/SWABBING CTIONAL SERVICE ING CREW L & EQUIPMENT RE L & POWER SEL - BASE FOR MUI DOGGING & GEOLO DOSAL, RESTORATIO CKING ENTING ENTING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	S NTAL D DGIST DN & BACKFILL		170,000 80,000 176,000 130,500 100,000 30,000 108,000	7,500	10 17 8 32 20 10
ECTIONAL SERVICES ING CREW L & EQUIPMENT RE L & POWER EL - BASE FOR MUI DOGGING & GEOLO OSAL, RESTORATIO CKING ENTING FORATING ED HOLE LOGS INHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	NTAL D DGIST DN & BACKFILL		170,000 80,000 176,000 130,500 100,000 30,000 108,000	150,000	17 8 32 20 10
CTIONAL SERVICE ING CREW L & EQUIPMENT RE L & POWER EL - BASE FOR MUI DOGGING & GEOLO OSAL, RESTORATIO CKING TING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	NTAL D DGIST DN & BACKFILL		170,000 80,000 176,000 130,500 100,000 30,000 108,000	150,000	17 8 32 20 10
ING CREW L & EQUIPMENT RE L & POWER SEL - BASE FOR MUI LOGGING & GEOLO OSAL, RESTORATIO CKING ENTING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	NTAL D DGIST DN & BACKFILL		80,000 176,000 130,500 100,000 30,000 108,000	,	8 32 20 10
L & EQUIPMENT RE L & POWER SEL - BASE FOR MUI LOGGING & GEOLO OSAL, RESTORATIO CKING ENTING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	D DGIST DN & BACKFILL		176,000 130,500 100,000 30,000 108,000	,	32 20 10
EL - BASE FOR MUI DOGGING & GEOLO COSAL, RESTORATIO CKING ENTING FORATING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	DGIST DN & BACKFILL		100,000 30,000 108,000	75,000	10
LOGGING & GEOLO POSAL, RESTORATIO CKING ENTING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	DGIST DN & BACKFILL		30,000 108,000		
POSAL, RESTORATIO CKING ENTING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	DN & BACKFILL		108,000		-
CKING TING ENTING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION					3
TING ENTING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	ERVICE			30,000	10
ENTING FORATING ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	ERVICE		05,000	50,000	113
ED HOLE LOGS /NHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	ERVICE		90,000		9
INHOLE TOOLS & S ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	ERVICE			131,250	13
ER STIMULATION MATION STIMULATI SULTING SERVICES ERVISION	EKVICE			·	
MATION STIMULATI SULTING SERVICES ERVISION			50,000	37,500	8
SULTING SERVICES	ON			1,800,000	1,80
ERVISION				1,800,000	1,00
TRACT LABOR			90,000	67,500	15
			40,000	15,000	5
ER LABOR				60,000	6
IPANY CONSULTING	S/SUPV		40.000	007 500	
ER DS & CHEMICALS			40,000 150,000	637,500	67 15
ING & ANALYSIS			130,000		10
IMUNICATIONS			8,000	15,000	2
TESTING			15,000	15,000	3
ING TOOLS & SERV	ICES				
PECTIONS			10,000	7,500	1
ELINE SERVICES INEERING & GEOLO					
INEERING & GEOLO			15,000		1
TISHOT & GYRO			10,000		
ENTRY SERVICES					
PS & TRAILERS			50,000	35,000	8
ETY EQUIPMENT & I	125		10,000	7,500	1
TINGENCY JRANCE			0	3,000	
CELLANEOUS				15,000	1
OPS				,	
AL INTANGIBLE CO			\$ 2,053,625		
	TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
					\$ 2
	E				6
					32
ING - PRODUCTION	/ LINER		271,872		27
	NT				
DUCTION TUBING					+
			40.000		4
LHEAD EQUIPMENT			40,000		4
	UIPMENT				1
R HANGER & ASSO					
/ES & FITTINGS				271,430	27
S					<u> </u>
			+		+
	NT			795,485	79
CELLANEOUS			10,000		1
					<u> </u>
AL IN TANGIBLE CO	515		\$ 745,448	\$ 1,066,914	\$ 1,81
AL ESTIMATED V	VELL COST		\$ 2,799,073	\$ 4,341,164	\$ 7,140
BY:	Alex Bourland & Paul Johe		Senior Operations Engineers	DATE	4/21/2021
= • •			_ shiel operations Engineers		
			_coo	DATE:	
APPROVAL:			CEO or CEO	ΝΔΤΕ·	
				DATE.	
APPROVAL: APPROVAL:					
	VG - INTERMEDIAT VG - INTERMEDIAT VG - PRODUCTION URFACE EQUIPME UCTION TUBING URFACE PUMPING HEAD EQUIPMENT (LINES ACE PUMPING EQU RHANGER & ASSO ES & FITTINGS S KING VTRY EQUIPMENT DUCTION EQUIPME LLANEOUS IBLE EQUIP-ACQU L INTANGIBLE COS AL ESTIMATED V Y: PPROVAL:	NG - SURFACE NG - INTERMEDIATE NG - INTERMEDIATE 2 NG - PRODUCTION / LINER URFACE EQUIPMENT DUCTION TUBING URFACE PUMPING EQUIPMENT HEAD EQUIPMENT //LINES ACE PUMPING EQUIPMENT R HANGER & ASSOC EQUIP ES & FITTINGS KING VTRY EQUIPMENT DUCTION EQUIPMENT ELLANEOUS IBLE EQUIP-ACQUISITIONS L INTANGIBLE COSTS Y: Alex Bourland & Paul Jobe PPROVAL:	NG - SURFACE NG - INTERMEDIATE NG - INTERMEDIATE 2 NG - PRODUCTION / LINER URFACE EQUIPMENT DUCTION TUBING URFACE PUMPING EQUIPMENT HEAD EQUIPMENT /LINES ACE PUMPING EQUIPMENT RANGER & ASSOC EQUIP ES & FITTINGS NTRY EQUIPMENT DUCTION EQUIPMENT ELLANEOUS IBLE EQUIP-ACQUISITIONS L INTANGIBLE COSTS AL ESTIMATED WELL COST Y: Alex Bourland & Paul Jobe PPROVAL:	NG - SURFACE 15,631 NG - INTERMEDIATE 61,320 NG - INTERMEDIATE 2 326,625 NG - PRODUCTION / LINER 271,872 URFACE EQUIPMENT 200 UUCTION TUBING 2019 UURFACE PUMPING EQUIPMENT 40,000 //LINES 10,000 //LINE 10,000 //LINE 10,000 //LINE \$ 745,448	ING - SURFACE 15,631 INTERMEDIATE 61,320 INTERMEDIATE 2 326,625 ING - INTERMEDIATE 2 326,625 ING - PRODUCTION / LINER 271,872 UURFACE EQUIPMENT 40,000 IURFACE PUMPING EQUIPMENT 40,000 ILINES 2 ACE PUMPING EQUIPMENT 2 ILINES 2 ACE PUMPING EQUIPMENT 2 ILINES 2 IS & FITTINGS 2 IS & FITTINGS 2 IS & FITTINGS 2 INTRY EQUIPMENT 10,000 IBLE EQUIP-ACQUISITIONS 10,000 ILINTANGIBLE COSTS \$ IL INTANGIBLE COSTS \$ IL INTANGIBLE COSTS \$ IL INTANGIBLE COSTS \$ IL RESTIMATED WELL COST \$ Y: Alex Bourland & Paul Jobe </td

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TITLE:



NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE 1001 West Wilshire, Suite 206

VELL NAME		Saturninus Fed Com 1510 231H	AFE TYPE	Development	AFE NUMBER	2015103
TERAL LOCA	-	Section 15 & 10 of T23S R29E	FIELD	Northern Delaware	DRILLING DAYS	24
IRFACE LOCA		Section 15 of T23S R29E Section 10 of T23S R29E	FORMATION	Wolfcamp B Eddy County	DEPTH (TVD/TMD) STATE	10946'/ 18306' New Mexico
OJECT DESC		Drilling, completion, facilities and pip			STATE	New Mexico
CT.		DESCRIPTION OF EXPENDITU	DE		COST ESTIMATE	
DE		INTANGIBLE COSTS	KE	DRILLING (300)	COMPLETION (500)	
	//PERMITS/DAM	MAGES/LEGAL		\$ 25,000		\$ 25,
	DN & ROAD			73,125		73,
03 RIG MOV 04 DRILLING	/E G - FOOTAGE			30,000 40,000		30, 40,
	G - DAYWORK			364,000		364,
	TION/WORKO			,		
	BING/SNUBBIN				150,000	150,
	NE/SWABBING			400.000	7 500	407
9 BITS 0 DIRECTI	ONAL SERVIC	ES		100,000	7,500	107, 190,
11 CASING		20		80,000		80,
	EQUIPMENT R	ENTAL		192,000	150,000	342,
3 FUEL & F				139,500	75,000	214,
	BASE FOR M			100,000		100,
	GGING & GEO	TION & BACKFILL		34,000 108,000		34, 108,
7 TRUCKI	,			85,000	30.000	100,
8 TESTING	-					
9 CEMENT	-			90,000		90,
20 PERFOR					131,250	131,
	HOLE LOGS OLE TOOLS &	SERVICE		50,000	37,500	87,
	STIMULATION	GENVIOL		50,000	37,500	67,
	TION STIMULA	ΓΙΟΝ			1,800,000	1,800,
25 CONSUL	TING SERVICI				15,000	15,
26 SUPERV				90,000	67,500	157,
				40,000	15,000	55,
28 OTHER L 29 COMPAN		IG/SUPV			60,000	60,
30 WATER				40,000	637,500	677,
31 FLUIDS 8	& CHEMICALS			150,000	,	150,
	& ANALYSIS					
	NICATIONS			8,000	15,000	23,
BOP TES 6 FISHING	TOOLS & SEF	N/ICES		15,000	15,000	30,
B7 INSPECT				10,000	7,500	17,
	E SERVICES			,	.,	,
39 ENGINE	ERING & GEOL	.OGY - FIELD				
		.OGY - OFFICE		15,000		15,
	HOT & GYRO					
	& TRAILERS			50,000	35,000	85,
	EQUIPMENT 8	a H2S		10,000	7,500	17,
45 CONTIN						
16 INSURAL				0	3,000	3,
17 MISCELL 19 SIM-OPS				10,000	15,000	25,
	, NTANGIBLE C	OSTS		\$ 2,138,625	\$ 3,274,250	\$ 5,412,
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	
	- CONDUCTOR	२		\$ 20,000		\$ 20,
	- SURFACE			15,631		15,
	- INTERMEDIA - INTERMEDIA			61,320 326,625		61, 326,
	- INTERMEDIA			271,872		271,
	RFACE EQUIPM			211,012		,
7 PRODUC	CTION TUBING					
09 WELLHE	EAD EQUIPMEN	NI		40,000		40,
	NES E PUMPING E	QUIPMENT				
	ANGER & ASS					
3 VALVES	& FITTINGS				271,430	271,
5 RODS						
17 TRUCKIN 20 RE-ENTR	NG RY EQUIPMEN	Т				
					795,485	795,
	ANEOUS	-		10,000	, 50,-50	10,
	E EQUIP-ACQ					
TOTAL II	NTANGIBLE C	OSTS		\$ 745,448	\$ 1,066,914	\$ 1,812,
TOTAL	ESTIMATED	WELL COST		\$ 2,884,073	\$ 4,341,164	\$ 7,225,2
EPARED BY:		Alex Bourland & Paul Jobe		Senior Operations Engineers	DATE:	4/21/2021
ERATOR APP	ROVAL:			соо	DATE:	
ERATOR APP				CEO or CFO		
					DATE.	
RTNER COMF	PANY NAME:					
	OVAL:				DATE	
PARTNER APPR	OVAL:				_ DATE:	

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The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.
Released to Imaging: 6/30/2021 8:09:03 AM

TITLE:



		Saturninus Fed Com 1510 232H		Development		2015104
URFA	AL LOCATION CE LOCATION	Section 15 & 10 of T23S R29E Section 15 of T23S R29E	FIELD FORMATION	Northern Delaware Wolfcamp B	DRILLING DAYS DEPTH (TVD/TMD)	24 10961'/ 18321'
	M-HOLE LOCATION	Section 10 of T23S R29E	COUNTY	Eddy County	STATE	New Mexico
OJE	CT DESCRIPTION	Drilling, completion, facilities and pip	peline costs for 7,500' horizonta	l well		
сст.		DESCRIPTION OF EXPENDITUR	RE		COST ESTIMATE	
ODE		INTANGIBLE COSTS		DRILLING (300)	COMPLETION (500)	
-	SURVEY/PERMITS/DA	MAGES/LEGAL		\$ 25,000		\$ 25,0
	LOCATION & ROAD RIG MOVE			73,125 30,000		73,1
	DRILLING - FOOTAGE			40,000		40,0
05	DRILLING - DAYWORK			364,000		364,0
	COMPLETION/WORK				450.000	450.0
	COIL TUBING/SNUBBI				150,000	150,0
	BITS	,		100,000	7,500	107,5
	DIRECTIONAL SERVIC	ES		190,000		190,0
	CASING CREW			80,000	450.000	80,0
12 13	TOOL & EQUIPMENT F	KENTAL		192,000 139,500	150,000 75,000	342,0 214,5
	DIESEL - BASE FOR M	IUD		100,000	10,000	100,0
	MUD LOGGING & GEC			34,000		34,0
-	DISPOSAL, RESTORA	TION & BACKFILL		108,000		108,0
	TRUCKING TESTING			85,000	30,000	115,0
	CEMENTING			90,000		90,0
-	PERFORATING				131,250	131,2
	CASED HOLE LOGS			50.000	07.500	
	DOWNHOLE TOOLS & OTHER STIMULATION			50,000	37,500	87,5
	FORMATION STIMULA				1,800,000	1,800,0
25	CONSULTING SERVIC				15,000	15,0
	SUPERVISION			90,000	67,500	157,5
	CONTRACT LABOR OTHER LABOR			40,000	15,000 60,000	55,0 60,0
	COMPANY CONSULTI	NG/SUPV			00,000	00,0
30	WATER			40,000	637,500	677,5
	FLUIDS & CHEMICALS	i		150,000		150,0
-	CORING & ANALYSIS COMMUNICATIONS			8,000	15,000	23,0
	BOP TESTING			15,000	15,000	30,0
	FISHING TOOLS & SEI	RVICES				
	INSPECTIONS			10,000	7,500	17,5
	WIRELINE SERVICES ENGINEERING & GEO					
	ENGINEERING & GEO			15,000		15,0
	MULTISHOT & GYRO					
	RE-ENTRY SERVICES			50.000	05.000	0.5.0
	CAMPS & TRAILERS SAFETY EQUIPMENT	8 H2S		50,000	35,000 7,500	85,0
				10,000	1,000	,
45	CONTINGENCY					
46	INSURANCE			0	3,000	3,0
46 47	INSURANCE MISCELLANEOUS			0 10,000	3,000 15,000	3,0
46 47	INSURANCE	OSTS			15,000	25,0
46 47	INSURANCE MISCELLANEOUS SIM-OPS	COSTS TANGIBLE COSTS		10,000	15,000	25,0
46 47 49 01	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO	TANGIBLE COSTS		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000	15,000 \$ 3,274,250	25,0 \$ 5,412,8 TOTAL \$ 20,0
46 47 49 01 02	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE	TANGIBLE COSTS R		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631	15,000 \$ 3,274,250	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6
46 47 49 01 02 03	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO	TANGIBLE COSTS R ATE		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000	15,000 \$ 3,274,250	25,0 \$ 5,412,0 TOTAL \$ 20,0 15,6 61,3
46 47 49 01 02 03 04	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/	TANGIBLE COSTS R ATE ATE 2		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320	15,000 \$ 3,274,250	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6
46 47 49 01 02 03 04 05 06	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIC SUBSURFACE EQUIPI	TANGIBLE COSTS R ATE ATE 2 DN / LINER MENT		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	25,0 \$ 5,412,6 TOTAL \$ 20,0 15,6 61,3 326,6
46 47 49 01 02 03 04 05 06 07	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO	TANGIBLE COSTS R ATE ATE 2 DN / LINER MENT S		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	25,0 \$ 5,412,6 TOTAL \$ 20,0 15,6 61,3 326,6
46 47 49 01 02 03 04 05 06 07 08	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIC SUBSURFACE EQUIPI	TANGIBLE COSTS R ATE ATE 2 DN / LINER MENT G NG EQUIPMENT		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	25,0 \$ 5,412,6 TOTAL \$ 20,0 15,6 61,3 326,6
46 47 49 01 02 03 04 05 06 07 08 09 10	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPII WELLHEAD EQUIPME FLOWLINES	TANGIBLE COSTS R ATE ATE 2 DN / LINER MENT G NG EQUIPMENT NT		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8
446 447 449 001 002 003 004 005 006 007 008 009 009 100 111	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPII WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E	TANGIBLE COSTS R ATE ATE 2 DN / LINER MENT G EQUIPMENT NT EQUIPMENT		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8
46 47 49 01 02 03 04 05 06 07 08 09 09 11 11 12	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBINO SUBSURFACE PUMPII WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS	TANGIBLE COSTS R ATE ATE 2 DN / LINER MENT G EQUIPMENT NT EQUIPMENT		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	25,0 \$ 5,412,6 TOTAL \$ 20,0 15,6 61,3 326,6 271,6 40,0
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPII WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E	TANGIBLE COSTS R ATE ATE 2 DN / LINER MENT G EQUIPMENT NT EQUIPMENT		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8
46 47 49 01 02 03 04 05 06 06 09 10 11 12 13 15 17	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING	TANGIBLE COSTS R ATE ATE 2 DN / LINER MENT G NG EQUIPMENT NT EQUIPMENT SOC EQUIP		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	25,0 \$ 5,412,6 TOTAL \$ 20,0 15,6 61,3 326,6 271,6 40,0
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN	TANGIBLE COSTS R ATE ATE ATE DN / LINER MENT G UIPMENT NT EQUIPMENT SOC EQUIP		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600) 271,430	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4
46 47 49 01 02 03 04 05 06 07 006 007 008 009 10 11 12 13 15 17 20 33	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPMEN	TANGIBLE COSTS R ATE ATE ATE DN / LINER MENT G UIPMENT NT EQUIPMENT SOC EQUIP		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000	15,000 \$ 3,274,250 COMPLETION (600)	25,0 \$ 5,412,1 TOTAL \$ 20,0 15,6 15,6 271,8 271,8 40,0 271,4 795,4
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 17 20 34 47	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN	TANGIBLE COSTS R ATE ATE ATE 2 DN / LINER MENT 3 NG EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600) 271,430	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 17 20 34 47	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM	TANGIBLE COSTS R ATE ATE 2 DN / LINER MENT GEQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS		10,000 \$ 2,138,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000	15,000 \$ 3,274,250 COMPLETION (600) 271,430 795,485	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0
46 47 49 01 02 03 00 00 00 00 00 00 00 00 00 00 00 00	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPII WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPI MISCELLANEOUS TANGIBLE EQUIP-ACC	TANGIBLE COSTS R ATE ATE ATE ATE S ATE GUIPMENT S GUIPMENT S GUIPMENT S GUIPMENT S GUISITIONS COSTS		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2000 271,430 271,430 795,485 1,066,914	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,0 61,3 326,0 271,8 40,0 271,4 795,4 1,812,3 1,812,3
46 47 49 01 02 03 00 00 00 00 00 00 00 00 00 00 00 00	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN FLUELHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPI MISCELLANEOUS TANGIBLE EQUIP-ACC	TANGIBLE COSTS R ATE ATE ATE ATE 2 DN / LINER MENT G G EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS COSTS		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2000 271,430 271,430 795,485 1,066,914	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,0 61,3 326,0 271,8 40,0 271,4 795,4 1,812,3 1,812,3
46 47 49 01 02 02 03 04 05 06 07 08 09 09 10 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPI MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C	TANGIBLE COSTS R ATE ATE ATE ATE 2 DN / LINER MENT G G EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS COSTS D WELL COST		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,225,2
46 47 49 01 02 03 03 04 05 06 07 08 09 09 10 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN FLUELHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPI MISCELLANEOUS TANGIBLE EQUIP-ACC	TANGIBLE COSTS R ATE ATE ATE ATE 2 DN / LINER MENT G G EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS COSTS		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,0 61,3 326,0 271,8 40,0 271,4 795,4 1,812,3 1,812,3
46 47 49 01 02 03 03 03 04 05 06 07 08 09 10 11 12 13 13 13 13 13 14 7 49 EPAI	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPI MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C	TANGIBLE COSTS R ATE ATE ATE ATE 2 DN / LINER MENT G G EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS COSTS D WELL COST		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164	25,0 \$ 5,412,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,225,2
46 47 49 01 02 03 03 03 04 05 06 07 08 09 10 11 12 13 13 13 13 13 14 7 49 EPAI	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACO TOTAL INTANGIBLE C	TANGIBLE COSTS R ATE ATE ATE ATE 2 DN / LINER MENT G G EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS COSTS D WELL COST		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	25,0 \$ 5,412,1 TOTAL \$ 20,0 15,0 61,3 326,0 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,225,2
46 47 49 11 12 13 14 15 17 20 13 15 17 20 14 17 20 14 15 17 20 14 15 17 20 14 15 17 20 15 15 17 20 15 15 15 17 20 15 15 15 15 15 15 15 15 15 15	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACO TOTAL INTANGIBLE C	TANGIBLE COSTS R ATE ATE ATE ATE 2 DN / LINER MENT G G EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS COSTS D WELL COST		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	\$ 5,412,1 \$ 20,0 \$ 20,0 15,0 61,3 326,0 271,4 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,225,2
46 47 49 10 10 10 10 10 10 10 10 10 10	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBING SUBSURFACE PUMPII WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPI MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C RED BY: TOR APPROVAL:	TANGIBLE COSTS R ATE ATE ATE ATE 2 DN / LINER MENT G G EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS COSTS D WELL COST		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 3 1,066,914 \$ 1,066,914 \$ 4,341,164 DATE: DATE:	\$ 5,412, \$ 5,412, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 795, 10, \$ 1,812, \$ 7,225,2
46 47 49 11 12 10 12 13 15 17 20 11 12 13 15 17 20 14 15 17 20 14 15 17 20 14 15 17 20 14 15 15 16 17 17 20 16 17 17 18 19 10 10 10 10 10 10 10 10 10 10	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBINO SUBSURFACE PUMPIN WELLHEAD EQUIPME FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL INTANGIBLE C TOTAL ESTIMATED RED BY: TOR APPROVAL: TOR APPROVAL:	TANGIBLE COSTS R ATE ATE ATE ATE 2 DN / LINER MENT G G EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS COSTS D WELL COST		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE: DATE: DATE:	\$ 5,412,1 \$ 5,412,1 TOTAL \$ 20,1 15,1 61,326,1 271,1 40,1 271,1 795,1 10,1 \$ 1,812,1 \$ 7,225,2
46 47 49 11 12 10 12 13 15 17 20 11 12 13 15 17 20 14 15 17 20 14 15 17 20 14 15 17 20 14 15 15 16 17 17 20 16 17 17 18 19 10 10 10 10 10 10 10 10 10 10	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTO CASING - SURFACE CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - INTERMEDI/ CASING - PRODUCTIO SUBSURFACE EQUIPI PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPI MISCELLANEOUS TANGIBLE EQUIP-ACC TOTAL ESTIMATEE RED BY: TOR APPROVAL:	TANGIBLE COSTS R ATE ATE ATE ATE 2 DN / LINER MENT G G EQUIPMENT NT EQUIPMENT SOC EQUIP IT MENT QUISITIONS COSTS D WELL COST		10,000	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 3 1,066,914 \$ 1,066,914 \$ 4,341,164 DATE: DATE:	\$ 5,412,1 \$ 5,412,1 TOTAL \$ 20,1 15,1 61,326,1 271,1 40,1 271,1 795,1 10,1 \$ 1,812,1 \$ 7,225,2

The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.
Released to Imaging: 6/30/2021 8:09:03 AM



VELL NA	ME	Saturninus Fed Com 1510 235H	AFE TYPE	Development	AFE NUMBER	2015105
		Section 15 & 10 of T23S R29E	FIELD	Northern Delaware	DRILLING DAYS	2013103
	LOCATION	Section 15 of T23S R29E	FORMATIO		DEPTH (TVD/TMD)	10976'/ 18336'
-	HOLE LOCATION	Section 10 of T23S R29E Drilling, completion, facilities and pipe	COUNTY eline costs for 7 500' horizon	Eddy County	STATE	New Mexico
		Enning, completion, lacing of pipe				
		DESCRIPTION OF EXPENDITUR	E		COST ESTIMATE	
0DE 01 SL	URVEY/PERMITS/DAM			DRILLING (300) \$ 25,000	COMPLETION (500)	\$ 25,
	OCATION & ROAD			73,125		73,
	IG MOVE			30,000		30,
	RILLING - FOOTAGE			40,000		40,
	RILLING - DAYWORK OMPLETION/WORKO	/FR RIG		364,000		364,
	OIL TUBING/SNUBBIN				150,000	150,
	LICKLINE/SWABBING					
	ITS			100,000	,	107,
	IRECTIONAL SERVICE ASING CREW	:5		190,000		190, 80,
	OOL & EQUIPMENT R	ENTAL		192,000		342,
13 FL	UEL & POWER			139,500		214,
	IESEL - BASE FOR MU			100,000		100,
	IUD LOGGING & GEOL ISPOSAL, RESTORAT			34,000		34,
	RUCKING	ION & BACKFILL		108,000		108, 115,
	ESTING			03,000	30,000	113,
	EMENTING			90,000	1	90,
	ERFORATING				131,250	131,
	ASED HOLE LOGS			50.000		
	OWNHOLE TOOLS & : THER STIMULATION	DERVICE		50,000	37,500	87,
	ORMATION STIMULATION	ION			1,800,000	1,800,
	ONSULTING SERVICE				15,000	15,
	UPERVISION			90,000	67,500	157,
	ONTRACT LABOR			40,000		55,
	THER LABOR OMPANY CONSULTIN				60,000	60,
	ATER	G/30FV		40,000	637,500	677,
	LUIDS & CHEMICALS			150,000	,	150,
32 CO	ORING & ANALYSIS					
	OMMUNICATIONS			8,000	,	23,
	OP TESTING			15,000	15,000	30,
	ISHING TOOLS & SER	VICES		10,000	7,500	17,
	/IRELINE SERVICES			10,000	1,000	,
89 EN	NGINEERING & GEOL	OGY - FIELD				
	NGINEERING & GEOL	OGY - OFFICE		15,000)	15,
	ULTISHOT & GYRO E-ENTRY SERVICES					
	AMPS & TRAILERS			50,000	35,000	85,
	AFETY EQUIPMENT &	H2S		10,000	,	17,
45 CC	ONTINGENCY					
	ISURANCE			0	.,	3,
	IISCELLANEOUS			10,000	15,000	25,
-	OTAL INTANGIBLE CO	OSTS		\$ 2,138,625	\$ 3,274,250	\$ 5,412,
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
	ASING - CONDUCTOR			\$ 20,000		\$ 20,
	ASING - SURFACE ASING - INTERMEDIA	E		15,631		15,
	ASING - INTERMEDIA			326,625		326,
	ASING - PRODUCTION			271,872		271,
6 SL	UBSURFACE EQUIPM	ENT				
	RODUCTION TUBING					
	UBSURFACE PUMPIN			10.000		10
	/ELLHEAD EQUIPMEN LOWLINES	1		40,000		40,
-		QUIPMENT				
	INER HANGER & ASSO					
	ALVES & FITTINGS				271,430	271,
	ODS					
	RUCKING E-ENTRY EQUIPMEN	-				
	RODUCTION EQUIPM				795,485	795,
	ISCELLANEOUS			10,000		10,
	ANGIBLE EQUIP-ACQ					
тс	OTAL INTANGIBLE CO	0515		\$ 745,448	\$ 1,066,914	\$ 1,812,
Т	OTAL ESTIMATED	WELL COST		\$ 2,884,073	\$ 4,341,164	\$ 7,225,2
EPARE	ED BY:	Alex Bourland & Paul Jobe		Senior Operations Engineers	DATE:	4/21/2021
					5,E.	
ERATO	OR APPROVAL:			COO	DATE:	
LRAIU	OR APPROVAL:			CEO or CFO	DATE:	
RTNER	R COMPANY NAME:					
TNER	R APPROVAL:				DATE:	
LE:						

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The costs of this AFE are estimates only. Participants in this project agree to pay their proportionate share of the actual costs. Please make a note that some expenditures such as tubing, artificial lift or surface equipment may occur up to one year after the project has been initiated.
Released to Imaging: 6/30/2021 8:09:03 AM

Summary of Communication w/ Titus



- April 27, 2021: Novo sent proposal letter and updated AFEs for "Saturninus" wells. In the letter, Novo explained that Novo was proposing to remove the NW/4 of Section 10 from the "Saturninus" pooled units, making the wells 1.5-mile laterals
- April 28, 2021: Titus received the above proposal letter and AFEs
- May 20, 2021: Brandon Patrick sent email to Walt Jones. In the email, Brandon explained that Novo was proposing to remove the NW/4 of Sec. 10 from the "Saturninus" units. He also asked if Titus would be willing to execute a JOA.
- June 8, 2021: Walt Jones sent email to Brandon Patrick. In the email, Walt asked Brandon if he had any comments to the JOA terms that Walt requested on February 4, 2020.
- June 9, 2021: Brandon Patrick sent email to Walt Jones. In that email, Brandon attached a prior email dated February 10, 2020 from Brandon to Walt that stated Novo cannot accept Titus's request to contractually limit Novo's development to no more than 9 wells in "Saturninus"

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C6 Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976

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

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21209 & R-21209-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21974 (formerly Cases 21038, 21741)

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21210 & 21210-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21975 (formerly Cases 21039, 21742)

APPLICATION OF NOVO OIL & GAS NORTHERN DELAWARE, LLC TO AMEND ORDER NOS. R-21211 & R-21211-A, EDDY COUNTY, NEW MEXICO.

CASE NO. 21976 (formerly Cases 21040, 21743)

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 28th day of June, 2021 by Kaitlyn A.

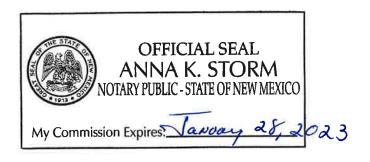
Luck.

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. D Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976

4 Notary Public

My Commission Expires:

-Tancory 28, 2023





June 11, 2021

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL POOLED PARTIES

Re: Application of Novo Oil & Gas Northern Delaware, LLC to Amend Order Nos. R-21209 & R-21209-A, Eddy County, New Mexico. Saturninus Fed Com 1510 #121H and #131H 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.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on July 1, 2021 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: http://www.emnrd.state.nm.us/OCD/announcements.html.

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 challenging the matter at a later date. Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Prehearing Statement four business days in advance of a scheduled hearing. This statement must be filed online or in person at the Division's Santa Fe office 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 Brandon Patrick, at (405) 286-4197 or bpatrick@novoog.com.

Sincerely,

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

T 505.988.4421 F 505.983.6043 110 North Guadalupe, Suite 1, Santa Fe, NM 87501-1849 Mail to: P.O. Box 2208, Santa Fe, NM 87504-2208 www.hollandhart.com

Alaska Montana Utah Colorado Nevada Washington, D.C. Idaho New Mexico Wyoming



June 11, 2021

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL POOLED PARTIES

Re: Application of Novo Oil & Gas Northern Delaware, LLC to Amend Order Nos. R-21210 & 21210-A, Eddy County, New Mexico. Saturninus Fed Com 1510 #122H and #132H 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.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on July 1, 2021 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: http://www.emnrd.state.nm.us/OCD/announcements.html.

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If you have any questions about this matter, please contact Brandon Patrick, at (405) 286-4197 or bpatrick@novoog.com.

Sincerely,

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

T 505.988.4421 F 505.983.6043 110 North Guadalupe, Suite 1, Santa Fe, NM 87501-1849 Mail to: P.O. Box 2208, Santa Fe, NM 87504-2208 www.hollandhart.com

Alaska Montana Utah Colorado Nevada Wash Idaho New Mexico Wyon

Utah Washington, D.C. Wyoming



June 11, 2021

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL POOLED PARTIES

Re: Application of Novo Oil & Gas Northern Delaware, LLC to Amend Order Nos. R-21211 & R-21211-A, Eddy County, New Mexico. <u>Saturninus Fed Com 1510 #211, #212, #215H, #221H, #222H, #225H, #231H,</u> <u>#232H, #235H wells</u>

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.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on July 1, 2021 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: http://www.emnrd.state.nm.us/OCD/announcements.html.

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 challenging the matter at a later date. Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Prehearing Statement four business days in advance of a scheduled hearing. This statement must be filed online or in person at the Division's Santa Fe office 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.

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Sincerely,

millo gilleres

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

T 505.988.4421 F 505.983.6043 110 North Guadalupe, Suite 1, Santa Fe, NM 87501-1849 Mail to: P.O. Box 2208, Santa Fe, NM 87504-2208 www.hollandhart.com

Alaska	Montana	Utah
Colorado	Nevada	Washington, D.C.
Idaho	New Mexico	Wyoming



June 11, 2021

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: VERTICAL OFFSETS

Re: Applications of Novo Oil & Gas Northern Delaware, LLC to Amend Order Nos. R-21209, R-21209-A, R-21210, R-21210-A, R-21211, and R-21211-A, Eddy County, New Mexico. <u>Saturninus Fed Com 15 #121H, #122H, #131H, #132H, #211H, #212H, #221H,</u> <u>#222H, #225H, #231H, #232H, #235H wells</u>

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. Your interest is not being pooled by this application. You are receiving this notice because you own an interest in the Bone Spring formation that is not being included in the horizontal spacing unit.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on July 1, 2021 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: http://www.emnrd.state.nm.us/OCD/announcements.html.

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 challenging the matter at a later date. Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Prehearing Statement four business days in advance of a scheduled hearing. This statement must be filed online or in person at the Division's Santa Fe office 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 Brandon Patrick, at (405) 286-4197 or <u>bpatrick@novoog.com</u>.

T 505.988.4421 F 505.983.6043 110 North Guadalupe, Suite 1, Santa Fe, NM 87501-1849 Mail to: P.O. Box 2208, Santa Fe, NM 87504-2208 www.hollandhart.com

Alaska	Montana	Utah
Colorado	Nevada	Washington, D.C.
Idaho	New Mexico	Wyoming

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Sincerely,

Just of Fillers

Michael H. Feldewert

ATTORNEY FOR NOVO OIL & GAS NORTHERN DELAWARE, LLC

16870573_v1

Novo - Saturninus Case Nos. 21974-21976

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TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
						Your item was delivered to an individual at the address at 12:28
9414811898765802384734	Quientesa Royalty, LP	508 W Wall St Ste 1220	Midland	ΤХ	79701-5086	pm on June 15, 2021 in MIDLAND, TX 79701.
						Your item was delivered to an individual at the address at 12:28
9414811898765802384789	Rubicon Oil & Gas LLC	508 W Wall St Ste 1220	Midland	ΤХ	79701-5086	pm on June 15, 2021 in MIDLAND, TX 79701.
	Michael D. Hayes & Kathryn A. Hayes, Co-Trustees Of					Your item was delivered to an individual at the address at 2:20 pm
9414811898765802384741	The Hayes Revocable Trust	3608 Meadowridge Ln	Midland	ΤХ	79707-4543	on June 15, 2021 in MIDLAND, TX 79707.
	Lenox Mineral Title Holdings Inc solely in its Capacity					
	As The Nominee Holder Of Legal Title As Agent For					Your item was delivered to an individual at the address at 11:59 an
9414811898765802384796	The Benefit Of Lenox Minerals LLC	100 Throckmorton St Ste 1630	Fort Worth	ТΧ	76102-2846	on June 15, 2021 in FORT WORTH, TX 76102.
	Lenox Mineral Title Holdings Inc solely in its Capacity					
	As The Nominee Holder Of Legal Title As Agent For					Your package will arrive later than expected, but is still on its way.
9414811898765802384703	The Benefit Of Lenox Minerals LLC	1701 Post Oak Blvd No 171	Houston	ТΧ	77056	It is currently in transit to the next facility.
						Your item was delivered to an individual at the address at 10:35 an
9414811898765802384727	Novo Minerals, LP	1001 W Wilshire Blvd Ste 206	Oklahoma City	ОК	73116-7058	on June 18, 2021 in OKLAHOMA CITY, OK 73116.
	Titus Oil & Gas Corporation, nominee holder of legal					
	Title as agent for the Benefit of Titus Oil & Gas					Your item was delivered to an individual at the address at 11:59 an
9414811898765802384765	Production, LLC	100 Throckmorton St Ste 1630	Fort Worth	тх	76102-2846	on June 15, 2021 in FORT WORTH, TX 76102.

Received by OCD: 6/29/2021 5:57:40 PM

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Novo - Saturninus - Postal Delivery Report Case Nos. 21974-21976 - Vertical offset

TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
						Your item was delivered at 8:33 am on June
9414811898765802384963	COG Operating, LLC	600 W Illinois Ave One Concho Center	Midland	ΤХ	79701-4882	16, 2021 in MIDLAND, TX 79701.
						Your item was delivered at 1:53 pm on June
9414811898765802384956	Wade Petroleum Corporation	9 Broken Arrow Pl	Sandia Park	NM	87047-8548	21, 2021 in SANDIA PARK, NM 87047.
						Your item was picked up at the post office at
						1:06 pm on June 15, 2021 in SEALY, TX
9414811898765802384918	McCully-Chapman, Inc.	PO Box 1389	Sealy	ΤХ	77474-1389	77474.

Carlsbad Current Argus.

Affidavit of Publication Ad # 0004781080 This is not an invoice

HOLLAND AND 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:

06/16/2021

Legal Clerk

Subscribed and sworn before me this June 16, 2021:

State of WI, County of Brown NOTARY PUBLIC

My commission expires

KATHLEEN ALLEN Notary Public State of Wisconsin

Ad # 0004781080 PO #: Nova Saturninus 121H 13th # of Affidavits1

This is not an invoice

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. E Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976

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

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following case. During the COVID-19 Public Health Emergency, state buildings are closed to the public and Division hearings will be conducted remotely. The public hearing for the following case will be electronic and conducted remotely. The hearing will be conducted on Thursday, July 1, 2021, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted below. The docket may be viewed at http://ww w.emnrd.state.nm.us/OCD/hearings.html or obtained from Marlene Salvidrez, at Marlene.Salvidrez@state.nm.us. Documents filed in the case may be viewed at http://ocdimage.e mnrd.state.nm.us/imaging/CaseFileCriteria.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxiliary aid or service to attend or participate in a hearing, contact Marlene Salvidrez at Marlene.Salvidrez@state.nm.us , or the New Mexico Relay Network at 1-800-659-1779, no later than June 21, 2021.

Persons may view and participate in the hearings through the following link:

https://nmemnrd.webex.com/nmemnrd/onstage/g.php?MTID =e27ab61b7f5ad68b04d4652ecf5502112 Event number: 187 606 9449 Event password: cMbpmxsh633

Join by video: 1876069449@nmemnrd.webex.com Numeric Password: 359882 You can also dial 173.243.2.68 and enter your meeting number

Join by audio: 1-844-992-4726 United States Toll Free Access code: 187 606 9449

> 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: Titus Oil & Gas Corporation, nominee holder of legal Title as agent for the Benefit of Titus Oil & Gas Production, LLC; McCully-Chapman, Inc.; Wade Petroleum Corporation; COG Operating, LLC; Novo Minerals, LP; Lenox Mineral Title Holdings, Inc., solely in its capacity as the nominee holder of legal title as agent for the benefit of Lenox Minerals, LLC; Michael D. Hayes & Kathryn A. Hayes, Co-trustees of the Hayes Revocable Trust; Rubicon Oil & Gas LLC; and Quientesa Royalty, LP.

Case No. 21974: Application of Novo Oil & Gas Northern Delaware, LLC to Amend Order Nos. R-21209 & R-21209-A, Eddy County, New Mexico. Applicant in the above-styled cause seeks to amend Order Nos. R-21209 and R-21209-A ("Orders") to approve a standard 240-acre, more or less, horizontal spacing unit comprised of the W/2 SW/4 of Section 10, and the W/2 W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, and pooling all interests under the terms of the Orders. Order No. R-21209 pooled the uncommitted interests in the Bone Spring formation (Laguna Salado; Bone Spring (96721)) from a depth of 7,839 to the base of the formation, and dedicated the Unit to the proposed initial wells, both of which will be horizontally drilled from a common surface location in the SW/4 SW/4 (Unit M) of Section 15 to bottom hole locations in the NW/4 SW/4 (Unit L) of Section 10: (1) the Saturninus Fed Com 1510 #121H well, and (2) the Saturninus Fed Com 1510 #131H well. Said approximately 8 miles east of Loving, New Mexico.

#4781080, Current Argus, June 16, 2021

Carlsbad Current Argus.

Affidavit of Publication Ad # 0004781115 This is not an invoice

HOLLAND AND 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:

06/16/2021

linda Legal Clerk

Subscribed and sworn before me this June 16, 2021

State of WI, County of Brown NOTARY PUBLIC

My commission expires

KATHLEEN ALLEN Notary Public State of Wisconsin

Ad # 0004781115 PO #: Novo Saturniunus 122H 132H # of Affidavits1

This is not an invoice



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

The State of New Mexico, Energy Minerals and Natural Re-sources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hear-ings before a hearing examiner on the following case. Dur-ing the COVID-19 Public Health Emergency, state buildings are closed to the public and Division hearings will be con-ducted remotely. The public hearing for the following case will be electronic and conducted remotely. The hearing will be conducted on Thursday, July 1, 2021, beginning at 8:15 a.m. To participate in the electronic hearing, see the instruc-tions posted below. The docket may be viewed at http://ww w.emnrd.state.nm.us/OCD/hearings.html or obtained from Marlene Salvidrez, at Marlene.Salvidrez@state.nm.us. Docuw.emnrd.state.nm.us//JCLD/hearings.ntml or obtained from Marlene Salvidrez, at Marlene.Salvidrez@state.nm.us. Docu-ments filed in the case may be viewed at http://occlimage.e mnrd.state.nm.us/imaging/CaseFileCriteria.aspx. If you are an individual with a disability who needs a reader, amplifi-er, qualified sign language interpreter, or other form of auxiliary aid or service to attend or participate in a hearing, contact Marlene Salvidrez at Marlene.Salvidrez@state.nm.us or the New Maviron Pelav Network at 1.900_650_1729_pro , or the New Mexico Relay Network at 1-800-659-1779, no later than June 21, 2021.

Persons may view and participate in the hearings through the following link:

https://nmemnrd.webex.com/nmemnrd/onstage/g.php?MTID =e27ab61b7f5ad68b04d4652ecf5502112 Event number: 187 606 9449 Event password: cMbpmxsh633

Join by video: 1876069449@nmemnrd.webex.com Numeric Password: 359882 You can also dial 173.243.2.68 and enter your meeting num-

Join by audio: 1-844-992-4726 United States Toll Free Access code: 187 606 9449

> 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 par-ties, including: Titus Oil & Gas Corporation, nominee holder of legal Title as agent for the Benefit of Titus Oil & Gas Pro-duction, LLC; McCully-Chapman, Inc.; Wade Petroleum Cor-poration; COG Operating, LLC; Novo Minerals, LP; Lenox Mineral Title Holdings, Inc., solely in its capacity as the nominee holder of legal title as agent for the benefit of Lenox Minerals, LLC; Michael D. Hayes & Kathryn A. Hayes, Co-trustees of the Hayes Revocable Trust; Rubicon Oil & Gas ILC: and Quientesa Royalty, LP. LLC; and Quientesa Royalty, LP.

Case No. 21975: Application of Novo Oil & Gas Northern Delaware, LLC to Amend Order Nos. R-21210 & 21210-A, Ed-dy County, New Mexico. Applicant in the above-styled cause seeks to amend Order Nos. R-21210 and R-21210-A ("Orders") to approve a standard 240-acre, more or less, horizontal spacing unit comprised of the E/2 SW/4 of Section 10, and the E/2 W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, and pool-ing all interests under the terms of the Orders. Order No. R-21210 pooled the uncommitted interests in the Bone Spring formation (Laguna Salado: Bone Spring (96721)) from a 21210 pooled the uncommitted interests in the Bone Spring formation (Laguna Salado; Bone Spring (96721)) from a depth of 7,839 to the base of the formation, and dedicated the Unit to the proposed initial wells, both of which will be horizontally drilled from a common surface location in the SW/4 SW/4 (Unit M) of Section 15 to bottom hole locations in the NE/4 SW/4 (Unit K) of Section 10: (1) the Saturninus Fed Com 1510 #122H well, and (2) the Saturninus Fed Com 1510 #132H well. Said area is located approximately 8 miles east of Loving New Mexico east of Loving, New Mexico.

#4781115, Current Argus, June 16, 2021

Carlsbad Current Argus.

Affidavit of Publication Ad # 0004781129 This is not an invoice

HOLLAND AND 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:

06/16/2021

linda Legal Clerk

Subscribed and sworn before me this June 16, 2021:

State of WI, County of Brown NOTARY PUBLIC

My commission expires

KATHLEEN ALLEN Notary Public State of Wisconsin

Ad # 0004781129 PO #: Novo Saturninus 211H-235H # of Affidavits1

This is not an invoice

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

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Join by video: 1876069449@nmemnrd.webex.com Numeric Password: 359882 You can also dial 173.243.2.68 and enter your meeting number

Join by audio: 1-844-992-4726 United States Toll Free Access code: 187 606 9449

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Case No. 21976: Application of Novo Oil & Gas Northern Delaware, LLC to Amend Order Nos. R-21211 & 21211-A, Eddy County, New Mexico. Applicant in the above-styled cause seeks to amend Order Nos. R-21211 and 21211-A to approve a standard 480-acre, more or less, horizontal spacing unit comprised of the W/2 SW/4 of Section 10, and the W/2 W/2 of Section 15, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico, and pooling all interests under the terms of the Orders. Order No. R-21211 pooled the uncommitted interests in the in the Wolfcamp formation (Purple Sage-Wolfcamp Gas Pool), and dedicated the Unit to the following proposed initial wells:

tion (Purple Sage-Wolfcamp Gas Pool), and dedicated the Unit to the following proposed initial wells: • The Saturninus Fed Com 1510 #211H Well, the Saturninus Fed Com 1510 #212H Well, the Saturninus Fed Com 1510 #221H Well, the Saturninus Fed Com 1510 #231H Well, and the Saturninus Fed Com 1510 #232H Well, each of which will be horizontally drilled from a common surface location in the SW/4 SW/4 (Unit M) of Section 15 to bottom hole locations in the NW/4 SW/4 (Unit L) of Section 10. • The Saturninus Fed Com 1510 #215H Well the Saturni-

hole locations in the NW/4 SW/4 (Unit U) of Section 10.
 The Saturninus Fed Com 1510 #215H Well, the Saturninus Fed Com 1510 #222H Well, the Saturninus Fed Com 1510 #225H Well, and the Saturninus Fed Com 1510 #235H Well, each of which will be horizontally drilled from a surface location in the SW/4 SW/4 (Unit M) of Section 15 to a bottom hole location in the NE/4 SW/4 (Unit K) of Section 10.

Said area is located approximately 8 miles east of Loving, New Mexico

#4781129, Current Argus, June 16, 2021