# **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 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 Released to Imaging: 6/30/2021 8:07:32 AM	Exhibit C-3	

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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.
Horizontal Well First and Last Take Points	Completion Target: Bone Spring Well Orientation:north/south Completion Location expected to be:standard
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 8:07:32 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 prov	vided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Kaitlyn A. Luck
Signed Name (Attorney or Party Representative):	<u>~~~~~</u>

### 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:	Holland & Hart, LLP	
Case Title	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, Edd 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	

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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
Connership Depines 6/30/2021 (Silving 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 prov	/ided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Kaitlyn A. Luck
Signed Name (Attorney or Party Representative):	<u> VVVV FALLE</u>

### 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:	Holland & Hart, LLP	
Case Title	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 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	
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Nell #2	Saturninus Fed Com 1510 #212H well (API No. 30-015-pending) SHI: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
Nell #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
Nell #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
Nell #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
Nell #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
Nell #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
Nell #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
Nell #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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AFE Capex and Operating Costs     58,000       Production Supervision/Month 5     58,000       Variable Supervision/Superv		
AFE Capex and Operating Costs		
AFE Capex and Operating Costs     58,000       Drilling Supervision/Month 5     58,000       Production Supervision/Month 5     5800       Justification for Supervision Costs     Exhibit C       Requested Risk Charge     200%       Notice of Hearing     Exhibit A       Proposed Notice of Hearing (20 days before hearing)     Exhibit A       Proof of Mailed Notice of Hearing (10 days before hearing)     Exhibit C       Ownership Schematic of the Spacing Unit     Exhibit C.4       Land Ownership Schematic of the Spacing Unit     Exhibit C.3       Dooled Parties (including percentage above & below)     N/A       Joinder     Consership Depth Severance (including percentage above & below)       Joinder     Consership Optopal Letter       Exhibit C-5     Exhibit C-5       List of Interest Owners (ie Exhibit A of JOA)     Exhibit C-5       Cost Estimate for Production Facilities     Exhibit C-5       Cost Estimate for Production Facilities     Exhibit C-5       Cost Estimate for Production Facilities     Sec Case No. 21038       Spacing Unit Schematic     Sec Case No. 21038       Spacing Unit Schema	CERTIFICATION: I hereby certify that the information provided	in this checklist is complete and accurate.
AFE Capex and Operating Costs		
AFE Capex and Operating Costs		
AFE Capex and Operating Costs         Drilling Supervision/Month 5       58,000         Production Supervision/Month 5       58000         Justification for Supervision Costs       Exhibit C         Requested Risk Charge       200%         Notice of Hearing       Exhibit A         Proof of Mailed Notice of Hearing (20 days before hearing)       Exhibit D         Ownership Exhemination       Exhibit C-4         Tarct List (Including lease numbers and owners)       Exhibit C-4         Dooled Parties (Including wership type)       Exhibit C-4         Unlocatable Parties to be Pooled       N/A         Ownership Detains to the Joacing Unit       Exhibit C-5         Sample Copy of Proposal Letter       Exhibit C-5         Unlocatable Parties to be Pooled       N/A         Ownership Detay       Exhibit C-5         Cost Estimate to Drill and Complete       Exhibit C-5         Cost Estimate to Drill and Complete       Exhibit C-5         Cost Estimate to Fordouction Facilities       Exhibit C-5         Summary (Including special considerations)       See Case No. 21038         Spacing Unit Schematic       See Case No. 21038         Sumbare (Including special considerations)       See Case No. 21038         Spacing Unit Schematic       See Case No. 21038		
AFE Capex and Operating Costs     58,000       Drilling Supervision/Month \$     58000       Production Supervision Costs     Exhibit C       Requested Risk Charge     200%       Notice of Hearing     Exhibit C       Proposed Notice of Hearing (20 days before hearing)     Exhibit A       Proof of Mailed Notice of Hearing (10 days before hearing)     Exhibit D       Ownership Determination     Exhibit C       Iand Ownership Schematic of the Spacing Unit     Exhibit C       Tract List (including lease numbers and owners)     Exhibit C       Pooled Parties (including ownership type)     Exhibit C-4       Uniocatable Parties to be Pooled     N/A       Ownership Depth Severance (including percentage above & below)     N/A       Joinder     Exhibit C-5       Sample Copy of Proposal Letter     Exhibit C-5       List of Interest Owners (ing Exhibit A of JOA)     Exhibit C-5       Cost Estimate to Drill and Complete     Exhibit C-5       Cost Estimate to Equip Well     Exhibit C-5       Summary (including special considerations)     See Case No. 21038       Spacing Unit Schematic     See Case		See Case No. 21038
AFE Capex and Operating Costs         Drilling Supervision/Month \$         S8000         Production Supervision/Month \$         S800         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (10 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit C         Ownership Determination         Land Ownership Determination         Land Ownership Cohematic of the Spacing Unit         Tact List (including lease numbers and owners)         Exhibit C-4         Tract List (including ownership type)         Dehibit C-5         Sample Copy of Proposal Letter         List of Interest Owners (ie Exhibit A of JOA)         Exhibit C-5         Cost Estimate to Equip Well         Submarre(Including special considerations)         See Case No. 21038		
AFE Capex and Operating Costs         Drilling Supervision/Month S         SS000         Production Supervision/Month S         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit D         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit C         And Ownership Schematic of the Spacing Unit         Exhibit C-4         Tract List (Including lease numbers and owners)         Exhibit C-4         Proof of Proposal Letter         Exhibit C-5         Sample Copy of Proposal Letter         Exhibit C-5         Cost Estimate to Equip Well         Cost Estimate to Equip Well         Exhibit C-5         Cost Estimate to Equip Well         Sammary (Including special considerations)         See Case No. 21038         Spacing Unit Schematic         See Case No. 21038         Statisting to Exhibit A of JOA)         Exhibit C-5         Cost Estimate to Equip Well         Schibit C-5         Cost Estimate to Equip Well         Exhibit		
AFE Capex and Operating Costs       D         DFilling Supervision/Month \$       \$\$000         Production Supervision/Month \$       \$800         Justification for Supervision Costs       Exhibit C         Requested Risk Charge       200%         Notice of Hearing       Proposed Notice of Hearing (10 days before hearing)         Proof of Mailed Notice of Hearing (10 days before hearing)       Exhibit A         Proof of Alled Notice of Hearing (10 days before hearing)       Exhibit C-4         Ownership Determination       Exhibit C-4         Land Ownership Schematic of the Spacing Unit       Exhibit C-4         Deoled Paries (Including ownership type)       Exhibit C-4         Unlocatable Parties to be Pooled       N/A         Ownership Depth Severance (including percentage above & below)       N/A         Joinder       Exhibit C-5         Stit of Interest Downers (ie Exhibit A of JOA)       Exhibit C-5         List of Interest Downers (ie Exhibit A of JOA)       Exhibit C-5         Cost Estimate to Drill and Complete       Exhibit C-5         Cost Estimate to Drill and Complete       Exhibit C-5         Cost Estimate to Equip Weil       See Case No. 21038         Spacing Unit Schematic       See Case No. 21038         Spacing Unit Schematic       See Case No. 21038      <	·	
AFE Capex and Operating Costs		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         S8000         Production Supervision/Costs         Requested Risk Charge         200%         Notice of Hearing         Proof of Mailed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Published Notice of Hearing (10 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-4         Pooled Parties (including ownership type)         Exhibit C-4         Unlocatable Parties to be Pooled         N/A         Ownership Depth Severance (including percentage above & below)         N/A         Joinder         Sample Copy of Proposal Letter         Exhibit C-5         Cost Estimate to Drill and Complete         Exhibit C-5         Cost Estimate to Equip Well         Cast Estimate to Production Facilities         Sapacing Unit Schematic         See Case No. 21038         Spacing Unit Schematic     <		
AFE Capex and Operating Costs       S8,000         Drilling Supervision/Month \$       S8,000         Production Supervision Costs       Exhibit C         Requested Risk Charge       200%         Notice of Hearing       Exhibit A         Proposed Notice of Hearing (20 days before hearing)       Exhibit D         Proof of Mailed Notice of Hearing (10 days before hearing)       Exhibit D         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         Ownership Deth Severance (including percentage above & below)       N/A         Joinder       Sample Copy of Proposal Letter         Exhibit C-5       Exhibit C-5         List of Interest Owners (ie Exhibit A of JOA)       Exhibit C-5         Cost Estimate to Drill and Complete       Exhibit C-5         Cost Estimate to Production Facilities       Exhibit C-5         Cost Estimate to Equip Well       Exhibit C-5         Cost Estimate to Equip Well       Exhibit C-5         Cost Estimate for Production Facilities       Exhibit C-5         Geology       See Case No. 21038         Supaing Unit Schematic       Se		
AFE Capex and Operating Costs         Drilling Supervision/Month S         Production Supervision/Conth S         S8000         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Devide of Malled Notice of Hearing (20 days before hearing)         Downership Determination         Land Ownership Schematic of the Spacing Unit         Exhibit C-3         Pooled Parties (including ownership type)         Exhibit C-4         Unitocatable Parties (including ownership type)         Exhibit C-5         Sample Copy of Proposal Letter         Exhibit C-5         List of Interest Owners (in Exhibit A of JOA)         Cast Estimate to Drill and Complete         Exhibit C-5         Cost Estimate to Inflam Complete         Exhibit C-5         Cost Estimate to Equip Well         Cost Estimate for Production Facilities         Spacing Unit Schematic         See Case No. 21038         Spacing Unit Schematic         See Case No. 21038         Strimate for Production Facilities         Strimate for Production Facilities         See Case No. 21038	• •	
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Ustification for Supervision Costs         Exhibit C         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit D         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Exhibit C-3         Pooled Parties (including ownership type)         Exhibit C-4         Tract List (including ownership type)         Exhibit C-5         Convership Detyreance (including percentage above & below)         N/A         Ownership Detyreance (including percentage above & below)         N/A         Dinder         Sample Copy of Proposal Letter         Exhibit C-5         Cost Estimate to Drill and Complete         Exhibit C-5         Cost Estimate to Forluland Complete         Exhibit C-5         Cost Estimate to Production Facilities         See Case No. 21038         Spacing Unit Schematic         Spacing Unit Schematic         See Case No. 21038		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Requested Risk Charge         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit C-4         Cownership Determination         Land Ownership Schematic of the Spacing Unit         Exhibit C-3         Pooled Parties (including ownership type)         Exhibit C-4         Uniocatable Parties to be Pooled         Ownership Detty Severance (including percentage above & below)         Joinder         Sample Copy of Proposal Letter         Exhibit C-5         Cost Estimate to Prolocal Letter         Cast Estimate to Equip Well         Cast Estimate to Equip Well         Cast Estimate to Production Facilities         Sandongy (including special considerations)         See Case No. 21038         Sagaring Unit Schematic         See Case No. 21038	•	N/A
AFE Capex and Operating Costs         Drilling Supervision/Month \$         S800         Production Supervision/Month \$         S800         Justification for Supervision Costs         Requested Risk Charge         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit D         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit C         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Exhibit C-4         Tract Lit (including lease numbers and owners)         Exhibit C-4         Ownership Deth Severance (including percentage above & below)         N/A         Ownership Dopth Severance (including percentage above & below)         N/A         Ownership Opeth Severance (including percentage above & below)         N/A         Sample Copy of Proposal Letter         Exhibit C-5         Cost Estimate to Drill and Complete         Exhibit C-5         Cost Estimate for Production Facilities         Exhibit C-5         Gost Estimate for Production Facilities         See Case No. 21038		
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       Exhibit A         Proof of Published Notice of Hearing (10 days before hearing)       Exhibit D         Proof of Published Notice of Hearing (10 days before hearing)       Exhibit C         Ownership Determination       Exhibit C-4         Land Ownership Schematic of the Spacing Unit       Exhibit C-4         Tract List (including lease numbers and owners)       Exhibit C-4         Pooled Parties (including ownership type)       Exhibit C-4         Unlocatable Parties to be Pooled       N/A         Ownership Depth Severance (including percentage above & below)       N/A         Joinder       Sample Copy of Proposal Letter         Sample Copy of Proposal Letter       Exhibit C-5         Cost Estimate to Drill and Complete       Exhibit C-5         Cost Estimate to Equip Well       Exhibit C-5         Cost Estimate to Equip Well       Exhibit C-5         Cost Estimate to For Production Facilities       Exhibit C-5         Gost Estimate to For Production Facilities       Exhibit C-5         Summary		
AFE Capex and Operating Costs		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (20 days before hearing)         Exhibit B         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Tract List (including ease numbers and owners)         Pooled Parties (including ownership type)         Unlocatable Parties to be Pooled         Ownership Detyn Severance (including percentage above & below)         N/A         Ownership Copy of Proposal Letter         Exhibit C-5         List of Interest Owners (ie Exhibit A of JOA)         Exhibit C-5         Cost Estimate to Drill and Complete         Cast Estimate to Equip Well         Exhibit C-5         Cost Estimate to Froduction Facilities         See Case No. 21038         Spacing Unit Schematic		
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     Exhibit C       Proposed Notice of Hearing (20 days before hearing)     Exhibit A       Proof of Mailed Notice of Hearing (10 days before hearing)     Exhibit E       Ownership Determination     Exhibit C-4       Land Ownership Schematic of the Spacing Unit     Exhibit C-3       Pooled Parties (including ownership type)     Exhibit C-4       Unlocatable Parties to be Pooled     N/A       Ownership Deth Severance (including percentage above & below)     N/A       Joinder     Sample Copy of Proposal Letter       Sample Copy of Proposal Letter     Exhibit C-5       List of Interest Owners (ie Exhibit A of JOA)     Exhibit C-5       Cost Estimate to Drill and Complete     Exhibit C-5       Cost Estimate to Drill and Complete     Exhibit C-5       Cost Estimate to Froduction Facilities     Exhibit C-5       Cost Estimate to Production Facilities     Exhibit C-5       Cost Estimate to Production Facilities     Exhibit C-5       Cost Estimate for Production Facilities     Exhibit C-5       Summary (including special considerations)     See Case No. 21038		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Statistication for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit D         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit C-4         Tract List (including lease numbers and owners)         Pooled Parties (including ownership type)         Unlocatable Parties to be Pooled         N/A         Ownership Depth Severance (including percentage above & below)         N/A         Sample Copy of Proposal Letter         List of Interest Owners (ie Exhibit A of JOA)         Exhibit C-5         Cost Estimate to Drill and Complete         Cast Estimate to Drill and Complete         Exhibit C-5         Cost Estimate for Production Facilities		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Status         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit D         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit C-4         Tract List (including lease numbers and owners)         Pooled Parties (including ownership type)         Exhibit C-3         Pooled Parties to be Pooled         N/A         Ownership Depth Severance (including percentage above & below)         N/A         Joinder         Sample Copy of Proposal Letter         List of Interest Owners (ie Exhibit A of JOA)         Exhibit C-5         Cost Estimate to Drill and Complete         Cast Estimate to Drill and Complete         Exhibit C-5         Cost Estimate for Production Facilities		See Core No. 21022
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit B         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Exhibit C-3         Pooled Parties (including ease numbers and owners)         Exhibit C-4         Unlocatable Parties to be Pooled         N/A         Ownership Determine (including percentage above & below)         N/A         Sample Copy of Proposal Letter         Exhibit C-5         List of Interest Owners (ie Exhibit A of JOA)         Exhibit C-5         Coverhead Rates In Proposal Letter         Exhibit C-5         Coverhead Rates In Proposal Letter         Exhibit C-5         Cost Estimate to Equip Well		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit B         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Exhibit C-4         Tract List (including lease numbers and owners)         Proled Parties (including percentage above & below)         N/A         Ownership Determinet         Sample Copy of Proposal Letter         Exhibit C-5         Chronology of Contact with Non-Joined Working Interests         Chronology of Contact with Non-Joined Working Interests         Coverhead Rates In Proposal Letter         Exhibit C-5		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing         Proof of Mailed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit E         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Tract List (including lease numbers and owners)         Exhibit C-4         Unlocatable Parties to be Pooled         N/A         Ownership Depth Severance (including percentage above & below)         N/A         Sample Copy of Proposal Letter         Exhibit C-5         List of Interest Owners (ie Exhibit A of JOA)         Exhibit C-5         Chronology of Contact with Non-Joined Working Interests         Exhibit C-5		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         S800         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing         Proof of Mailed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit E         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Exhibit C-3         Pooled Parties (including ownership type)         Exhibit C-4         Unlocatable Parties to be Pooled         N/A         Ownership Depth Severance (including percentage above & below)         N/A         Sample Copy of Proposal Letter         Exhibit C-2         List of Interest Owners (ie Exhibit A of JOA)         Exhibit C-6		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Production Supervision/Month \$         S800         Justification for Supervision Costs         Requested Risk Charge         Notice of Hearing         Proposed Notice of Hearing         Proof of Mailed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit C         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Tract List (including lease numbers and owners)         Probled Parties to be Pooled         N/A         Ownership Depth Severance (including percentage above & below)         N/A         Sample Copy of Proposal Letter         Exhibit C-2		
AFE Capex and Operating Costs		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit E         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Tract List (including lease numbers and owners)         Proled Parties to be Pooled         N/A         Ownership Depth Severance (including percentage above & below)         N/A		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Statistication for Supervision Costs         Requested Risk Charge         Notice of Hearing         Proposed Notice of Hearing         Proof of Mailed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit E         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Exhibit C-3         Pooled Parties (including ownership type)         Exhibit C-4         Unlocatable Parties to be Pooled         N/A		Exhibit C-5
AFE Capex and Operating Costs         Drilling Supervision/Month \$         State         Production Supervision/Month \$         State         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit E         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Tract List (including lease numbers and owners)         Prooled Parties (including ownership type)         Exhibit C-4         Unlocatable Parties to be Pooled		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         State         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Mailed Notice of Hearing (10 days before hearing)         Exhibit E         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Exhibit C-3         Pooled Parties (including ownership type)		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit A         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit E         Ownership Determination         Land Ownership Schematic of the Spacing Unit         Tract List (including lease numbers and owners)		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed 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		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         State         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge         200%         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit D         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit E		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         Production Supervision/Month \$         Justification for Supervision Costs         Exhibit C         Requested Risk Charge         Notice of Hearing         Proposed Notice of Hearing (20 days before hearing)         Exhibit D         Proof of Published Notice of Hearing (10 days before hearing)         Exhibit E	•	Exhibit C-4
AFE Capex and Operating Costs       Drilling Supervision/Month \$       Production Supervision/Month \$       Justification for Supervision Costs       Requested Risk Charge       Notice of Hearing       Proposed Notice of Hearing       Proof of Mailed Notice of Hearing (20 days before hearing)		
AFE Capex and Operating Costs		
AFE Capex and Operating Costs		
AFE Capex and Operating Costs         Drilling Supervision/Month \$         \$8,000         Production Supervision/Month \$         Justification for Supervision Costs         Requested Risk Charge	•	
AFE Capex and Operating Costs		200%
AFE Capex and Operating Costs       Drilling Supervision/Month \$       Production Supervision/Month \$		
AFE Capex and Operating Costs Drilling Supervision/Month \$ \$8,000		
AFE Capex and Operating Costs		
Completion Target (Formation TVD and MD)	Completion Target (Formation, TVD and MD)	Exhibit C-5

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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

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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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Received by OCD: 6/29/2021 5:54:21 PM

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

CASE NO. 21038 ORDER NO. R-21209

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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:	Laguna Salado; Bone Spring Pool (96721) quarter-quarter sections Horizontal Oil Well Rules Apply

Pool Rules: <u>Horizontal Well Rules Apply</u>

#### 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:	Laguna Salado; Bone Spring Pool (96721) quarter-quarter sections

Horizontal Oil Well Rules Apply

Pool Rules:	Horizontal Well Rules Apply
Proximity Tracts:	No

Governing Well Setbacks:

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. 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

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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 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 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

17	API Number	r		<sup>2</sup> Pool Code <sup>3</sup> Pool Name						
<sup>4</sup> Property (	Code				<sup>5</sup> Property	Name			6	Well Number
			SATURNINUS FED COM 1510							131H
<sup>7</sup> OGRID	No.				<sup>8</sup> Operator	Name				<sup>9</sup> Elevation
37292	0		NOVO OIL & GAS NORTHERN DELAWARE, LLC 2						2967.8	
					» Surfac	e Location		-		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
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	×	NORTH	330	WE	ST	EDDY
<sup>11</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill	Consolidation	1 Code	2630	SOUTH	<sup>15</sup> 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	9 FT S89'58'51"E 2656.94 FT		" OPERATOR CERTIFICATION
NW CORNER SEC. 10	-330'	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	OF HOLE	LAT. = 32.3270580'N LONG. = 103.9726911'W	LAT. = 32.3270307 N 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	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		bottom hole location or has a right to drill this well at this location pursuant to
M.6	1	BOTTOM OF HOLE	55*E	a contract with an owner of such a mineral or working interest, or to a
	l I	LAT. = 32.327 076'N	15	voluntary pooling agreement or a compulsory pooling order heretofore entered
W/4 CORNER SEC. 10 * LAT. = 32.3198035'N				by the division.
LONG. = 103.9812082'W Z NMSP EAST (FT)	New	$\frac{ N  = 482913.63}{ E  = 650408.26}$	LONG. = 103.9640813'W NMSP EAST (FT)	
N = 480255.49 E = 650111.81		LAST TAKE POINT	L N = 480247.35	Signature Date
2 - 03011.81	BHL	100' FNL, 330' FWL	E = 655402.59	Signature Date
671		LAT. = 32.3268602'N LONG. = 103.9802175'W		
Z Z				Printed Name
10	2.22	SEC. 10	5,23	
SECTION CORNER	10462.	QUARTER CORNER	SECTION CORNER	E-mail Address
LAT. = 32.3124611'N 2 LONG. = 103.9811277W	N89'54'32"E	LONG. = 103.9726020W N8954'30"E	□ LAT. = 32.3124355'N LONG. = 103.9640725'W	
NNSP EAST (FT) N = 477584.48	2634,49 FT	NMSP EAST (FT) 2635.67 FT N = 477588.67	NMSP EAST (FT) ⊢ N = 477592.89	<b>SURVEYOR CERTIFICATION</b>
N = 4//584.48 E E = 650145.47		E = 652779.37	E = 655414.45	I hereby certify that the well location shown on this plat was
2657.5	HORIZ.	SEC, 15	2659.9	
56		FIRST TAKE POINT	E 3	plotted from field notes of actual surveys made by me or under
18		100 <sup>1</sup> FSL, 330' FWL	.38	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15		LAT.  = 32.298107811 Long. = 103.9801267 W	P E/4 CORNER SEC. 15	best of my belief.
W/4 CORNER SEC. 15 LAT. = 32.3051576'N 2 LONG. = 103.9811617W		SATURNINUS FBD _COM_1510_131H	E/4 CORNER SEC. 15 LAT. = 32.3051253'N LONG. = 103.9640554'W	JULY 27, 2020
NMSP EAST (FT)		$FIFV = 2967.8^{-1}$	NUCH FAST (FT)	Date of Survey
N = 474927.51 E E = 650143.69		LAT.] = 32.2985619'N (NAD83) LONG. = 103.9797682'W	E - 655429.87	Date of Burley
665.07		NM\$P EAST (FT) N = 472529.47	6 6 6	
N		E = 650582.13	2659	XXXXXXXXXXXX
SW CORNER SEC. 15	Non SURF	S/4 CORNER SEC. 15	SE CORNER SEC. 15     LAT. = 32.2978150N     LONG. = 103.9640384 W	
LONG. = 103.9811958 W		TION LONG. = 103.9726188'W	F	Signature and Seal of Writestional Anapor:
NMSP EAST (FT) 0 N = 472263.03	440'	NMSP EAST (FT) N = 472270.41	8 NWSP EAST (FT) 9 N = 472274.17	Certificate Number: AND LARAMELO. PJS 12797
E = 650141.91	589'50'26'W 2650	E = 652792.08   0.77 FT S89'55"08"W 2651.79 FT	E = 655443.28	PROFESSION NO. 7610C

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C2 Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976

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Released to Imaging: 6/30/2021 8:07:32 AM

 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

# 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

Released to Imaging: 6/30/2021 8:07:32 AM

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 A	PI Number		<sup>2</sup> Pool Code <sup>3</sup> Pool Name									
<sup>4</sup> Property (	Code				<sup>5</sup> Property	<sup>5</sup> Property Name				<sup>6</sup> Well Number		
		SATURNINUS FED COM 1510							132H			
<sup>7</sup> OGRID N	lo.				<sup>8</sup> Operator	Name				<sup>9</sup> Elevation		
37292	0		NOV	0 OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2971.4		
" 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		242	SOUTH	538	WEST		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		
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill	Consolidation	1 Code	2630	South	<sup>15</sup> 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.

			TODED ATOD CEDTIFIC ATION
	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 - LAT. = 32.3270307 N	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.9812888W	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 ,	$\frac{1}{2}$ NMSP EAST (FT) $\frac{1}{2}$ 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
M. O	BOTTOM OF HOLE	2	a contract with an owner of such a mineral or working interest, or to a
1	LONG. = 103.9752349 W	Contraction and a second s	voluntary pooling agreement or a compulsory pooling order heretofore entered
W/4 CORNER SEC. 10 .4 LAT. = 32.3198035'N	i NMSP EAST (FT) N = 482900.21	B E/4 CORNER SEC. 10 LAT. = 32.3197322'N	by the division.
LONG. = 103.9812082W	I = 651948.21	LONG. = 103.9640813'W	
NMSP EAST (FT) N = 480255.49	BHL LAST TAKE POINT 100' FNL, 1870' FWL	NMSP EAST (FT) N = 480247.35	
E = 650111.81	100' FNL, 1870' FWL ' LAT. = 32.3268092'N	E = 655402.59	Signature Date
21.8	LONG. = 103.9752322'W		
26			Printed Name
A. 6	≥ L SEC, 10	7	
43'1		-	
SECTION CORNER : LAT. = 32.3124611'N 9	N8754'32'F L UNC. = 1039726020W N8754'30'F	SECTION CORNER LAT. = 32.3124355'N	E-mail Address
LONG. = 103.9811277W		LONG. = 103.9640725'W	
NMSP EAST (FT) N = 477584.48 눈		NMSP EAST (FT) N = 477592.89	<b><sup>18</sup>SURVEYOR CERTIFICATION</b>
E = 650145.47			I hereby certify that the well location shown on this plat was
557.	Big SEC. 15	D L - 000+1+.+0 P P P P P P	
E 26		й ц	plotted from field notes of actual surveys made by me or under
18	100' FSL, 1870' FWL	ς	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 Z	SATURNINUS FED	E/4 CORNER SEC. 15 LAT. = 32.3051253'N	JULY 27, 2020
LONG. = 103.9811617W NMSP EAST (FT)		LONG. = 103.9640554'W NMSP EAST (FT)	
N = 474927.51 E E = 650143.69	LAT. + 32.2984990'N (NAD83)	= N = 474933.53	Date of Survey
E = 000143.09	LONG. = 103.9794532 W NMSP EAST (FT)	E = 655428.87	
665	N = 472506.91 E = 650679.54	D L = 033420.0/	A A A A A A A A A A A A A A A A A A A
SW CORNER SEC. 15		SE CORNER SEC. 15	
LAT. = 32.2978334'N PLONG. = 103.9811958'W	+	2 LAT. = 32.2978150'N	Signature and Beal of Protestional Annor:
NMSP EAST (FT)		2 LONG. = 103.9640384 W 2 NMSP EAST (FT)	Certificate Number: FURION S JARAMELOSPIS 12797
N = 472263.03 Z E = 650141.91	53B' FTP E = 652792.08	B NMSP EAST (FT) N = 472274.17 E = 655443.28	PROFESSURE NO. 7611C
L = 000141.91	\$89'50'26'W 2650.77 FT \$89'55'08"W 2651.79 FT	L = 000440.20	HOFESSOR NO. 7611C

District I

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

17	API Number	r		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name					
<sup>4</sup> Property O	y Code <sup>5</sup> Property Name								<sup>6</sup> Well Number		
				SAT	<b>URNINUS FI</b>	ED COM 1510			211H		
<sup>7</sup> OGRID N	No.				<sup>8</sup> Operator	Name			<sup>9</sup> Elevation		
37292	0		NOV	O OIL &	GAS NORTH	ERN DELAWAI	RE, LLC		2969.2		
					Surface	e Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West li	ne County		
Μ	15	23 S	29 E		261	SOUTH	460	WEST	EDDY		
			пB	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 li	ne County		
D	10	23 S	29 E		130	NORTH	330	WEST	EDDY		
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill	Consolidation	n Code	2,510	SOUTH	<sup>15</sup> Order No.				

_	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	<sup>18</sup> 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.	i 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 Protectional Analyor:
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	PI Number			<sup>2</sup> Pool Code <sup>3</sup> Pool Name							
<sup>4</sup> Property C	Code		<sup>5</sup> Property Name								
				SAT	URNINUS FI	ED COM 1510			212H		
<sup>7</sup> OGRID N	No.				<sup>8</sup> Operator	Name				<sup>9</sup> 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:	st line	County	
М	15	23 S	29 E		252	SOUTH	499	WES	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:	st line	County	
D	10	23 S	29 E		130	NORTH	1122	WES	ST	EDDY	
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill	Consolidation	n Code	2,510	SOUTH	<sup>15</sup> Order No.				

	S89'30'02'E 2656.49 FT S89'58'51"E 2656.94 FT	" OPERATOR CERTIFICATION
NW CORNER SEC. 10-	1122' N/4 CORNER SEC. 10 NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LAT. = 32.3271460'N LONG. = 103.9812888'W	BOTTOM LAT. = 32.3270580'N	
NMSP EAST (FT)		best of my knowledge and belief, and that this organization either owns a
N = 482926.51	ή LTP N = 482903.35 N = 482902.46	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
\$ თ	BOTTOM OF HOLE 9 LAT. = 32.32675151N	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 S F/4 CORNER SEC. 10	voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.3198035'N	LONG. = 103.9776527 W B E/4 CORNER SEC. 10 NMSP EAST (FT) LAT. = 32.3197322 N	by the division.
LONG. = $103.9812082$ W	N = 482786.74 LONG. = 103.9640813'W	
NMSP EAST (FT) N = 480255.49		
E = 650111.81	LAST TAKE POINT	Signature Date
8.17	8	
26		Printed Name
M		Printed Name
12	m SEC 70 SEC	
SECTION CORNER 5 LAT. = 32.3124611'N 9	QUARTER CORNER LAT. = 32.3124485'N // LAT. = 32.3124355'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 ৮	2634.49 FT NM\$P EAST (FT) 2635.67 FT NM\$P EAST (FT) N ∓ 477588.67 FT N = 477592.89	<sup>18</sup> SURVEYOR CERTIFICATION
K = 477304.40 E E = 650145.47	F = 652770 37	
57.5	SEC. 15	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
ш 80	ー ー ー ー ー ー FIRST TAKE POINT ー ー ー ロ 3301 FSL, 1122' FWL 第	my supervision, and that the same is true and correct to the
02'1	LAT.   = 32.2987388'N	
W/4 CORNER SEC. 15 6 LAT. = 32.3051576'N 2	LONG. = 103.9775611'W B E/4 CORNER SEC. 15 SATURNINUS FBD LAI = 32.3051253'N	best of my belief.
LONG. = 103.9811617W	COM 1510 212H LONG. = 103.9640554W	JULY 27, 2020
NMSP EAST (FT) N = 474927.51 ⊢	ELEV. = 2969.9' NMSP EAST (FT)	Date of Survey
E = 650143.69	LONG. = 103.9795792'W	
5.0	NM\$P EAST (FT)   0°. N = 472515.93 , 80	
266	N = 472515.93 E = 650640.58	ANNIN STRUXIN VI
SW CORNER SEC. 15 H	N SURFACE 15/4 CORNER SEC. 15 50 SURFACE 14L = 32,2978/957N BLAT = 32,2978/150'N	
LONG. = 103.9811958W	Ch SURFACE LAT. = 32.2978295'N 13 LAT. = 32.2978150'N N LOCATION LONG. = 103.97₽6188'W 19 LONG. = 103.9640384'W	Signature and Seal of Artifectional Superior:
NMSP EAST (FT) Q	I I FTP INVISE EAST (FT) IS NMSP EAST (FT)	Certificate Number: PUEDO E JARAMALO PUS 12797
N = 472263.03 Ž E = 650141.91	N = 472270.41 499'  E = 652792.08   E = 655443.28	PROFESSION NO. 7976A
	S89'50'26 W 2650.77 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

 811 S. First S1., 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		<sup>2</sup> Pool Code <sup>3</sup> Pool Name							
<sup>4</sup> Property (	Code		<sup>5</sup> Property Name								
				SAT	<b>URNINUS FI</b>	ED COM 1510				215H	
<sup>7</sup> OGRID N	lo.				<sup>8</sup> Operator	Name				<sup>9</sup> Elevation	
37292	0		NOV	0 OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2972.0	
			<sup>10</sup> 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	
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill <sup>14</sup>	Consolidation	n Code	2,510	South	<sup>15</sup> 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		NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LAT. = $32.3271460^{\circ}N$ LONG. = $103.9812888^{\circ}W$	BOTTOM	LAT. = 32.3270307N	best of my knowledge and belief, and that this organization either owns a
NMSP EAST (FT)	OF HOLE A NUSP EAST (FT)		.,
N = 482926.51	LTP - T = 182903.35	120  N = 482902.46	working interest or unleased mineral interest in the land including the proposed
E = 650078.15	E = <u>652733.95</u>	≈ E = 655390.29	bottom hole location or has a right to drill this well at this location pursuant to
A-6	BOTTOM OF HOLE	55"1	a contract with an owner of such a mineral or working interest, or to a
ci .	LAT. = 32.3267253'N	15'55"	voluntary pooling agreement or a compulsory pooling order heretofore entered
W/4 CORNER SEC. 10 4 LAT. = 32.3198035'N	LONG. = 103.9750889 W	8 E/4 CORNER SEC. 10	by the division.
LONG. = 103.9812082W	N = 482779.83	<sup>(7)</sup> 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	L N = 480247.35 E = 655402.59	Signature Date
83		0	Signation Date
12	EAT. = 32.326 756 N LONG. = 103.9750829 W	265507	
ă >	┝╺╸╺┧╸╬╬╸┽╺╺╺┧╸╸╸	Ξ	Printed Name
2	SEC, 10	.53	1. A second set a constraint of the A
		115	
SECTION CORNER	UARTER CORNER	SECTION CORNER	E-mail Address
LONG. = 103.9811277W	N8954'32"E LONG. = 103.9726020W N8954'30"E	LONG. = 103.9640725'W	
NMSP EAST (FT) N = 477584.48	2634.49 FT NMSP EAST (FT) 2635.67 FT	NMSP EAST (FT) - N = 477592.89	CUDVENOD CEDTIEICATION
E = 650145.47	N # 477588.67 E = 652779.37	E = 655414.45	<b>ISURVEYOR CERTIFICATION</b>
1.56	SEC. 15	2655.99	I hereby certify that the well location shown on this plat was
265	SEC. 75	265	plotted from field notes of actual surveys made by me or under
Lu L	FIRST TAKE POINT	- u	
18	330 <sup>1</sup> FSL, 1914 <sup>'</sup> FWL LAT.  = 32.2987376 <sup>'</sup> N	3.38	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15	LONG. = 103.9749984 W	B E/4 CORNER SEC. 15	best of my belief.
LAT. = 32.3051576'N Z	SATURNINUS FED	<sup>10</sup> LAT. = 32.3051253'N	JULY 27, 2020
LONG. = $103.9811617W$ NMSP EAST (FT)		LONG. = 103.9640554W	5011 21, 2020
N = 474927.51	LAT.I = 32.2984866'N (NAD83	NMSP EAST (FT) N = 474933.53	Date of Survey
E = 650143.69	LONG. = 103.9793900 W NMSP EAST (FT)	F - 655109 97	N MEXXXX
65.(	NM3P EAST (FI)	0 L = 033420.07	
26	E = 650699.07		
SW CORNER SEC. 15 LAT. = 32.2978334'N 9	N S/4 CORNER SEC. 15	₩ SE CORNER SEC. 15 ₩ LAT. = 32,2978150'N	
LAT. = 32.2978334'N LONG. = 103.9811958'W	SURFACE LOCATION LOCATION LOCATION	CALLET = 32.2978150'N LONG. = 103.9640384'W	Signature and Seal of Writestional Manyor:
NMSP EAST (FT) 👷	I NMSP EAST (FT)	R NMSP EAST (FT)	Certificate Number: ALTON LARAMACLO PUS 12797
N = 472263.03 Z E = 650141.91	$N = 472270.41^{-1}$ FTP E = 652792.08	$\tilde{O}$ N = 472274.17 E = 655443.28	PROFESSION NO. 7977A
	\$8950'26'W 2650.77 FT \$89'55'08'W 2651.79 FT		

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

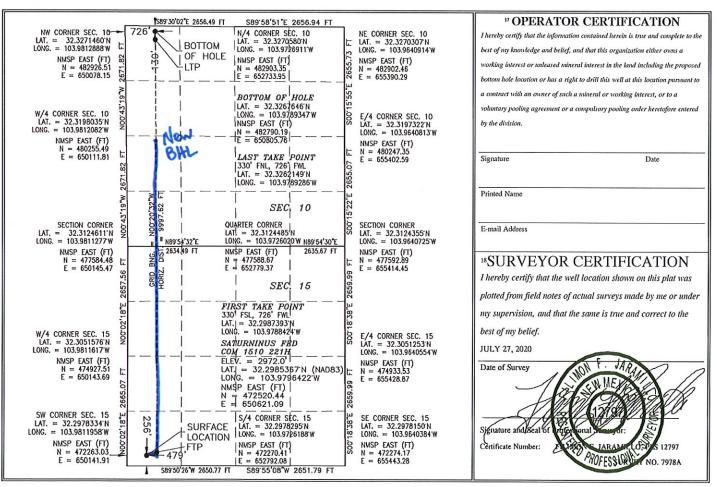
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Number	r		<sup>2</sup> Pool Code <sup>3</sup> Pool Name						
<sup>4</sup> Property (	Code		<sup>5</sup> Property Name							
				SAT	<b>TURNINUS F</b>	ED COM 1510				221H
<sup>7</sup> OGRID 1	No.				<sup>8</sup> Operator	Name				<sup>9</sup> Elevation
37292	0		NOV	0 OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2972.0
			<sup>10</sup> 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
M	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
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill	Consolidation	1 Code	2,510	SOUTH	<sup>15</sup> 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

 1625 N. French Dr., Hobbs, NM 88240

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

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 811 S. First SL, Artesia, NM 88210

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 1000 Rio Brazos Road, Aztec, NM 87410

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

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

AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Number	r		<sup>2</sup> Pool Code <sup>3</sup> Pool Name								
<sup>4</sup> Property (	Code		<sup>5</sup> Property Name <sup>6</sup> Well									
				SAT	URNINUS FI	ED COM 1510				222H		
<sup>7</sup> OGRID N	No.				<sup>8</sup> Operator	Name				<sup>9</sup> 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		
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill	Consolidation	n Code	510	SOUTH	<sup>15</sup> 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	856.49 FT S89'58'51"E 2656.94 FT		" OPERATOR CERTIFICATION
NW CORNER SEC. 10	-1518'-	N/4 CORNER SEC. 10	NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LAT. = 32.3271460'N LONG. = 103.9812888 W	BOTTOM_X	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 EASI (FI) (0	OF HOLE	NMSP EAST (FT)		
N = 482926.51 E = 650078.15		N = 482903.35 E = 652733.95	NMSP EAST (FT) N = 482902.46 E = 655390.29	working interest or unleased mineral interest in the land including the proposed
2 - 00010.15	⊢ — — —¦∔		μ	bottom hole location or has a right to drill this well at this location pursuant to
A 6		BOTTOM OF HOLE	5,55,	a contract with an owner of such a mineral or working interest, or to a
W/4 CORNER SEC. 10	l li	LAT. = 32.3267384'N LONG. = 103.9763708'W	-	voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.3198035'N 8		NMSP EAST (FT)	E/4 CORNER SEC. 10 LAT. = 32.3197322'N	by the division.
LONG. = $103.9812082$ W Z NMSP EAST (FT)		$= \frac{1}{ E } = \frac{482783.28}{651597.73}$	LONG. = 103.9640813 W	
N = 480255.49	6		NMSP EAST (FT) N = 480247.35	
E = 650111.81	0.20	AST TAKE POINT	F CEE 100 E0	Signature Date
8.1	,00N	LAT. = 32.3261887'N	VG.2040260 E = 2	
267	n	LONG. = 103.9763648W		D1+11
A.	N N N N N N N N N N N N N N N N N N N		22 °E	Printed Name
3,18		SEC 10	15'2	
SECTION CORNER	GR	QUARTER CORNER	SECTION CORNER	E-mail Address
LAT. = 32.3124611'N 2 LONG. = 103.9811277W	N89'54'32"E	LAN = 32.3124485  N LONG. = 103.9726020 W N89'54'30"E	IAT. = 32.3124355'N LONG. = 103.9640725'W	Constant (CPU) (Construction)
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	K = 477592.89 E = 655414.45	<b>ISURVEYOR CERTIFICATION</b>
7.56	1		6 L = 000414.40 6 S S S S S S S S S S S S S S S S S S S	I hereby certify that the well location shown on this plat was
265	i i	SEC. 15	265	plotted from field notes of actual surveys made by me or under
٣		FIRST TAKE POINT	ω	
2,18		330 <sup>1</sup> FSL, 1518' FWL LAT.I = 32.2987382'N	8.38	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15		LONG. = 103.9762797 W	E/4 CORNER SEC. 15	best of my belief.
LAT. = 32.3051576'N Z LONG. = 103.9811617W		SATURNINUS FED	<sup>(3)</sup> LAT. = 32.3051253'N	JULY 27, 2020
NMSP EAST (FT)		$- \underbrace{COM}_{ELEV.} \underbrace{1510}_{222H} \underbrace{222H}_{$	LONG. = $103.9640554$ W NMSP EAST (FT)	
N = 474927.51 E = 650143.69		LAT.   = 32.2985115 N (NAD83) LONG. = 103.9795162 W	t N = 474933.53	Date of Survey
6	1	NMSP EAST (FT)	E = 655428.87	
665	i i	N = 472511.42 E = 650660.05	0, L = 030428.87 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	ARAN ARAN (X
SW CORNER SEC. 15	+		-	No 12 Star Ne
IAT - 32 2078334'N 00	247	URFACE   S/4 CORNER SEC. 15	B LAT. = 32,2978150'N	Signature and seal of upper upper source or:
LONG. = 103.9811958 W W NMSP EAST (FT)		OCATION   LONG. = 103.9726188W	CONG. = 103.9640384'W	
N = 472263.03		NMSP EAST (FT) N = 472270.41	NMSP EAST (FT) N = 472274.17	Certificate Number: FIRE IARAMELOSPIS 12797
E = 650141.91	-518	FTP  E = 652792.08	E = 655443.28	PROFESSION NO. 7979A
	589 50 26	W 2650.77 FT S89'55'08"W 2651.79 FT		

District I

Released to Imaging: 6/30/2021 8:07:32 AM

 District

 1625 N. French Dr., Hobbs, NM 88240

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

 <u>District II</u>

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 <u>District IV</u>

 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		<sup>2</sup> Pool Code <sup>3</sup> Pool Name							
<sup>4</sup> Property (	Code				<sup>5</sup> Property	Name			6	Well Number	
				SAT	<b>TURNINUS FI</b>	ED COM 1510			225H		
<sup>7</sup> OGRID I	No.				<sup>8</sup> Operator	Name				<sup>9</sup> Elevation	
37292	0		NOV	O OIL &	GAS NORTH	ERN DELAWA	RE, LLC			2972.4	
			» 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		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/We	est line	County	
С	10	23 S	29 E		130	NORTH	2310	WE	ST	EDDY	
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill <sup>14</sup>	Consolidation	n Code	2,510	south	<sup>15</sup> Order No.				

	S89'30'02"E 2656.49 FT			" OPERATOR CERTIFICATION
NW CORNER SEC. 10		N/4 CORNER SEC. 10	NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LAT. = 32.3271460'N LONG. = 103.9812888'W	воттом_/	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	1		working interest or unleased nineral interest in the land including the proposed
N = 482926.51 E = 650078.15		N = 482903.35   E = 652733.95	NMSP EAST (FT) N = 482902.46 E = 655390.29	
2			ш	bottom hole location or has a right to drill this well at this location pursuant to
6		BOTTOM OF HOLE	2.22	a contract with an owner of such a mineral or working interest, or to a
W/4 CORNER SEC. 10	I	LAT. = 32.3267122'N LONG. = 103.97,38069'W	E/4 CORNER SEC. 10	voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.3198035'N S LONG. = 103.9812082'W			<sup>0</sup> LAT. = 32.3197322'N	by the division.
NMSP EAST (FT)	New	$\frac{1}{E} = \frac{1}{1} + \frac{1}{1} = \frac{1}{1} + \frac{1}{1} = \frac{1}{1} + \frac{1}$	LONG. = 103.9640813'W	
N = 480255.49		l I	NMSP EAST (FT)	
E = 650111.81	BHL			Signature Date
- 12		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	
26		10%6. = 103.3 AD0003 M	56	Printed Name
M. 6		SEC. 10	22"E	Third Name
53.			.15	
SECTION CORNER S		QUARTER CORNER   LAT! = 32.3124485'N	SECTION CORNER	E-mail Address
LONG. = 103.9811277W	N89'54'32"E	LONG. = 103.9726020W N89'54'30"E	LONG. = 103.9640725'W	
NMSP EAST (FT) N = 477584.48	2634.49 FT	NM\$P EAST (FT) 2635.67 FT N = 477588.67	NMSP EAST (FT) ⊢ N = 477592.89	OUDVEVOD CEDTIEICATION
E = 650145.47		E = 652779.37	L = 655/11/15	<b>ISURVEYOR CERTIFICATION</b>
57.5		SEC. 15	66 65 65 69 82 82	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
а 1		FIRST TAKE POINT	38 28	my supervision, and that the same is true and correct to the
1.2		$ LAT. = 32.2987370^{\circ}N$	8,36	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15		LONG. = 103.9737170'W	$\frac{1}{2}$ E/4 CORNER SEC. 15	best of my belief.
LAT. = 32.3051576'N Z LONG. = 103.9811617W		SATURNINUS FED COM 1510 225H	<sup>10</sup> LAT. = 32.3051253'N LONG. = 103.9640554'W	JULY 27, 2020
NMSP EAST (FT)		ELEV - 2072 4'		
N = 474927.51 E = 650143.69		LELV. $= 2972.4$ LAT. $= 32.2984737$ 'N (NAD83) LONG. $= 103.9793270$ 'W	L N = 474933.53	Date of Survey
.07		NMSP EAST (FT)	0 L = 000428.87 0 0 19 19	- A A A A A A
2002		N = 472497.84 E = 650718.56		A ANT AND
SW CORNER SEC. 15		IS/A CORNER SEC 15	SE CORNER SEC. 15	
LAT. = 32.2978334'N 🛱		E LAT. = 32.2978295'N	D LAT. = 32.2978150'N	Signature and Seal of Porestional Source or:
LONG. = 103.9811958 W B NMSP EAST (FT) D			© LONG. = 103.9640384'₩ S NMSP EAST (FT)	8
N = 472263.03 Z	577	- II II LEVOITI	0 N = 472274.17	Certificate Number: JARAMECOPS 12797
E = 650141.91	S89'50'26 W 2650.77	E = 652792.08 7 FT S89:55'08"W 2651.79 FT	E = 655443.28	PROFESSURIUM NO. 7980A
	A 389 30 20 H 2030.77	11 309 33 00 W 2031.79 FT		

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		<sup>2</sup> Pool Code <sup>3</sup> Pool Name								
<sup>4</sup> Property (	Code		<sup>5</sup> Property Name									
				SAT	<b>URNINUS FE</b>	ED COM 1510				231H		
<sup>7</sup> OGRID N	No.				<sup>8</sup> Operator	Name				<sup>9</sup> 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		
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill	Consolidation	1 Code	2,510	south	<sup>15</sup> Order No.					

_	\$89'30'02'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	NE CORNER SEC. 10	I hereby certify that the information contained herein is true and complete to the
LONG. = 103.9812888W	OF HOLE	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)		NMSP EAST (FT)	NMSP EAST (FT)	working interest or unleased mineral interest in the land including the proposed
N = 482926.51 E = 650078.15	T	N = 482903.35 E = 652733.95	C: NMSP EAST (FT) 9 N = 482902.46 ∞ E = 655390.29	bottom hole location or has a right to drill this well at this location pursuant to
>			ш io	a contract with an owner of such a mineral or working interest, or to a
10		BOTTOM OF HOLE	15'55	
W/4 CORNER SEC. 10		LONG. = 103.9802166 W	$\frac{1}{2}$ E/4 CORNER SEC. 10	voluntary pooling agreement or a compulsory pooling order heretofore entered
LAT. = 32.3198035'N Z		NMSP EAST (FT) N = 482793.64	<sup>(3)</sup> LAT. = 32.3197322'N LONG. = 103.9640813'W	by the division.
NMSP EAST (FT)	New	E = 650409.77	NMSP EAST (FT)	
N = 480255.49 E = 650111.81	BHL	LAST TAKE POINT	E = 480247.35 E = 655402.59	Signature Date
8		330' FNL, 330' FWL LAT. = 32.3262280'N	20 20 20 20 20 20 20 20 20 20 20 20 20 2	
671		LONG. = 103.9802106 W	265	
8			ш	Printed Name
19,	ST S	EC 10	2,52	
SECTION CORNER	202	QUARTER CORNER	SECTION CORNER	E-mail Address
LAT. = 32.3124611'N Q LONG. = 103.9811277W	N89'54'32"E	LAT! = 32.3124485'N LONG. = 103.9726020'W N89'54'30"E	IAT. = 32.3124355'N LONG. = 103.9640725'₩	E-mail Address
NMSP EAST (FT)	1 2634.49 FT	NMSP EAST (FT) 2635.67 FT	NMSP EAST (FT)	
N = 477584.48 E E = 650145.47	DIST	N = 477588.67 E = 652779.37	K = 477592.89 E = 655414.45	<b>ISURVEYOR CERTIFICATION</b>
.56		1	6	I hereby certify that the well location shown on this plat was
2657	R N N	EC. 15	2659.	plotted from field notes of actual surveys made by me or under
μ		FIRST TAKE POINT	μ	
2,18,		330 <sup>1</sup> FSL, 330' FWL <sup>1</sup> LAT.1 = 32.2987399'N	8.38	my supervision, and that the same is true and correct to the
W/4 CORNER SEC. 15 0 LAT. = 32.3051576'N Z		LONG. = 103.9801238 W	E/4 CORNER SEC. 15	best of my belief.
LAT. = 32.3051576'N Z LONG. = 103.9811617W		SATURNINUS FBD COM 1510 231H	LAT. = 32.3051253'N LONG. = 103.9640554'W	JULY 27, 2020
NMSP EAST (FT)		FIFV = 29791'		Deter Standing of the standing
N = 474927.51 E = 650143.69		LAT.I = 32.2983824'N (NAD83) LONG. = 103.9788698'W	L N = 474933.53	Date of Survey
.07		NM\$P EAST (FT)	6	
2665		N = 472465.11 E = 650859.94	6 - 000420.07	ANANI CARPANY A
SW CORNER SEC. 15		SA COPNER SEC 15	W SE CORNER SEC 15	
LAT. = 32.2978334'N PLONG. = 103.9811958'W		$E_{LAT.} = 32.2978295'N$	Control 22:2978150'N LAT. = 32:2978150'N LONG. = 103.9640384'W	Signature and Seal of protectional searcher:
NMSP EAST (FT)		INMSP EAST (FT)	S NMSP EAST (FT)	Certificate Number: FLASON & JARAMACLOSPIS 12797
	7 8	$N = 472270.41^{1}$  E = 652792.08	N = 472274.17 E = 655443.28	PROFESSURIE NO. 7312B
	\$89'50'26'W 2650.77			10/ 10000001 100. 75128

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

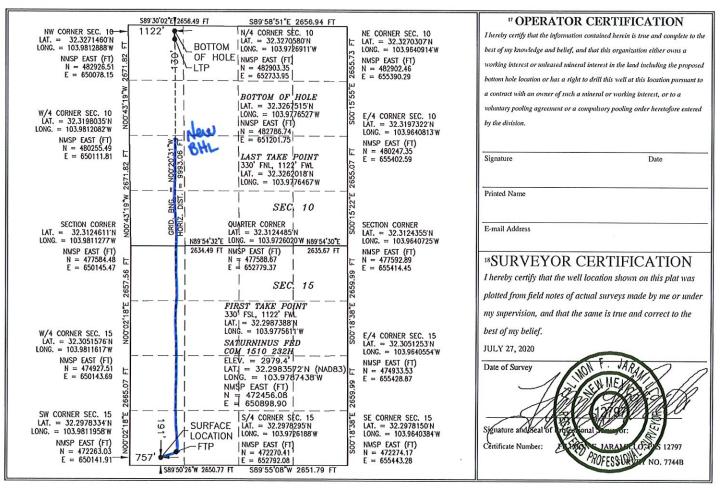
# State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number				<sup>2</sup> Pool Code		<sup>3</sup> Pool Name					
<sup>4</sup> Property Code		<sup>s</sup> Property Name								<sup>6</sup> Well Number	
			SATURNINUS FED COM 1510						232H		
<sup>7</sup> OGRID No.		<sup>8</sup> Operator Name								<sup>9</sup> Elevation	
372920		NOVO OIL & GAS NORTHERN DELAWARE, LLC								2979.4	
" Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line		County	
Μ	15	23 S	29 E		191	SOUTH	757	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	
D	10	23 S	29 E	1 1	130	NORTH	1122	WEST		EDDY	
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill <sup>14</sup>	Consolidation	1 Code	2,510	South	<sup>15</sup> Order No.				



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Page 66 of 103

District I

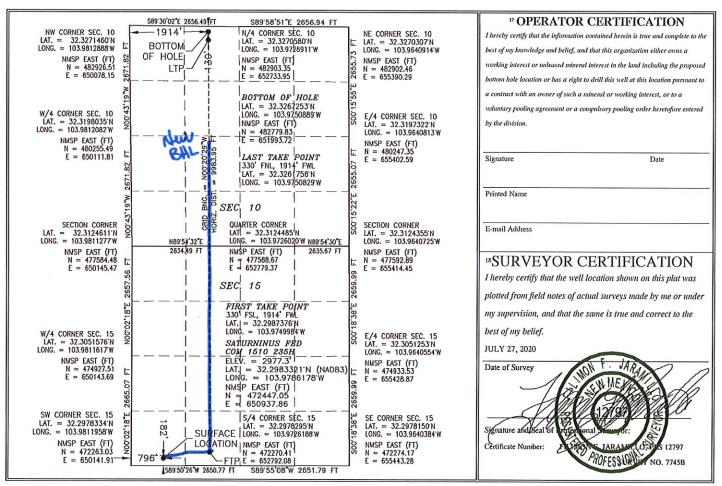
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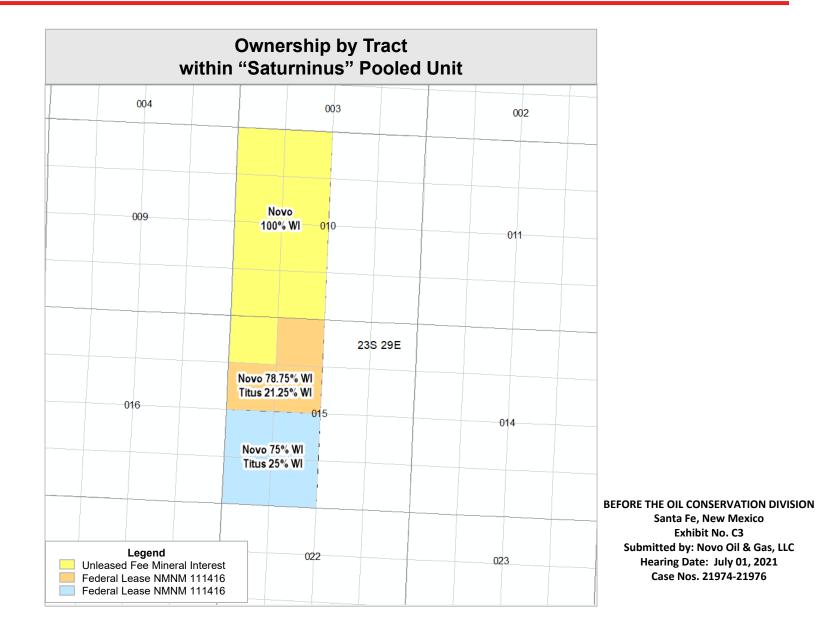
#### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number				<sup>2</sup> Pool Code		<sup>3</sup> Pool Name					
<sup>4</sup> Property Code		<sup>5</sup> Property Name								<sup>6</sup> Well Number	
SATURNINUS FED COM 1510							235H				
<sup>7</sup> OGRID No.		<sup>8</sup> Operator Name								<sup>9</sup> 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/West line		County	
М	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	
<sup>12</sup> Dedicated Acres <sup>13</sup> Joint or In		or Infill <sup>14</sup>	<sup>14</sup> Consolidation Code		2,510	SOUTH	<sup>15</sup> Order No.				





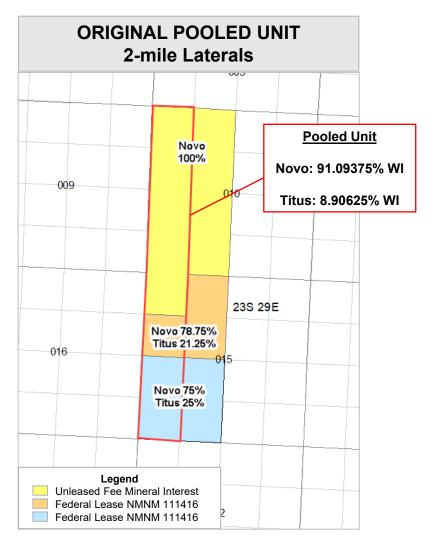
# **Ownership Overview**

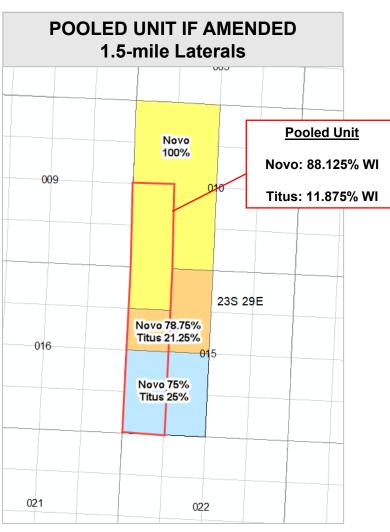




# **Ownership – Case 21038**

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



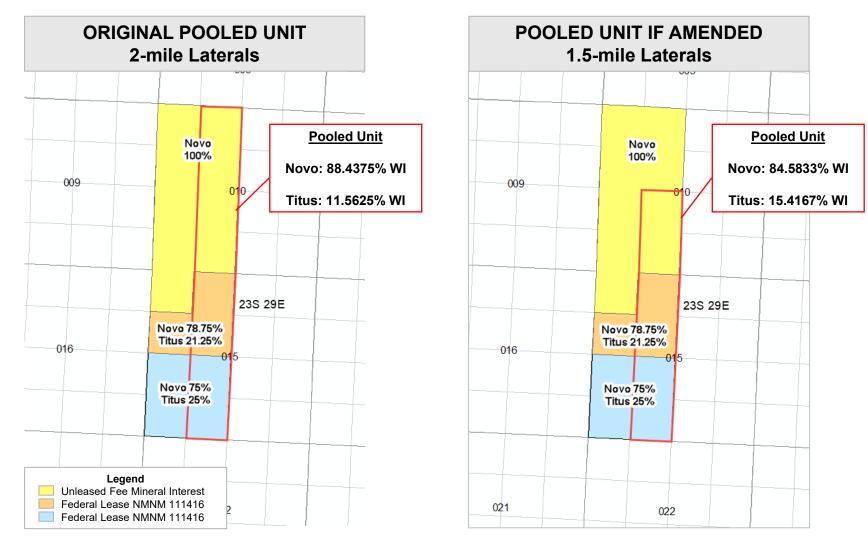


BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. C4 Submitted by: Novo Oil & Gas, LLC Hearing Date: July 01, 2021 Case Nos. 21974-21976



# **Ownership – Case 21039**

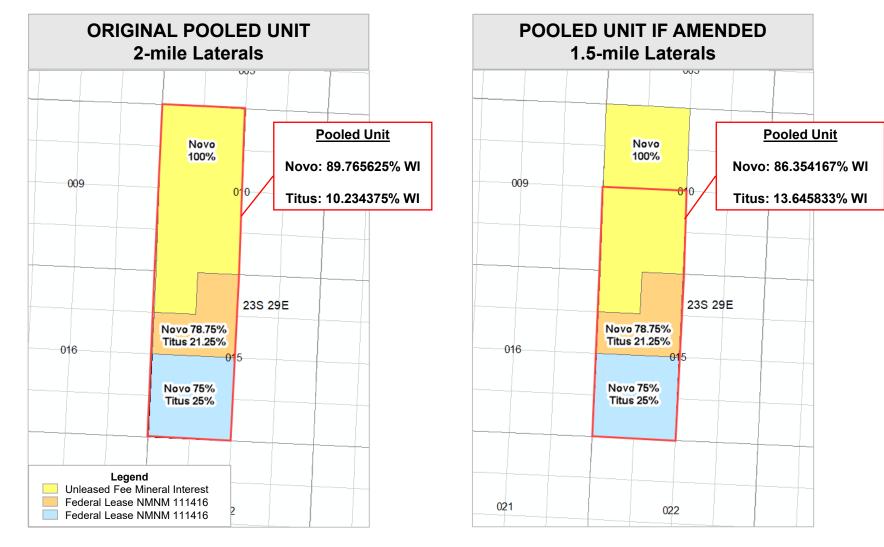
Depths Covered: 7,839' to base of Bone Spring formation





# **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 2<sup>nd</sup> Bone Spring, 3<sup>rd</sup> 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 2<sup>nd</sup> 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-

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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 2<sup>nd</sup> 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 3<sup>rd</sup> 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

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(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



	NAME	Saturninus Fed Com 1510 121H	AFE TYPE	Development	AFE NUMBER	2015121
JRFA	AL LOCATION	Section 15 & 10 of T23S R29E	FIELD	Northern Delaware	DRILLING DAYS	20
TTO		Section 15 of T23S R29E Section 10 of T23S R29E	FORMATION	1 0	DEPTH (TVD/TMD)	8696'/ 16056'
	OM-HOLE LOCATION	Drilling, completion, facilities and pipe	COUNTY line costs for 7,500' horizonta	Eddy County	STATE	New Mexico
CT.		DESCRIPTION OF EXPENDITURE INTANGIBLE COSTS		DRILLING (300)	COST ESTIMATE COMPLETION (500)	
)1	SURVEY/PERMITS/DAM			\$ 25,000	COMPLETION (500)	\$ 25,0
02	LOCATION & ROAD			73,125		73,1
)3	RIG MOVE			30,000		30,0
)4	DRILLING - FOOTAGE			40,000		40,0
)5	DRILLING - DAYWORK			312,000		312,0
)6 )7	COMPLETION/WORKO				150,000	150,0
)8	SLICKLINE/SWABBING	GONI			150,000	150,0
)9	BITS			100,000	7,500	107,5
0	DIRECTIONAL SERVICE	S		150,000		150,
1	CASING CREW			80,000		80,0
2	TOOL & EQUIPMENT RI	ENTAL		160,000	150,000	310,0
3 4	FUEL & POWER DIESEL - BASE FOR MU	P		121,500 100,000	75,000	196, 100,
4 5	MUD LOGGING & GEOL			26,000		26,0
6	DISPOSAL, RESTORAT			108.000		108,0
7	TRUCKING			85,000	30,000	115,0
8	TESTING					
9	CEMENTING			90,000		90,
20	PERFORATING				131,250	131,5
1 2	CASED HOLE LOGS DOWNHOLE TOOLS & S			50,000	37,500	87,5
23	OTHER STIMULATION	BERVICE		50,000	37,500	07,
24	FORMATION STIMULAT	ION			1,800,000	1,800,
25	CONSULTING SERVICE				15,000	15,0
26	SUPERVISION			90,000	67,500	157,
27	CONTRACT LABOR			40,000	15,000	55,
28 29	OTHER LABOR COMPANY CONSULTIN				60,000	60,0
30 30	WATER	3/30FV		40,000	637,500	677,5
81	FLUIDS & CHEMICALS			150,000	007,000	150,0
32	CORING & ANALYSIS			,		,
3	COMMUNICATIONS			8,000	15,000	23,
34	BOP TESTING			15,000	15,000	30,0
36	FISHING TOOLS & SER	VICES		40.000	7.500	47
37 38	INSPECTIONS WIRELINE SERVICES			10,000	7,500	17,5
39 39	ENGINEERING & GEOL	OGY - FIFI D				
10	ENGINEERING & GEOL			15,000		15,0
1	MULTISHOT & GYRO			,		
2	RE-ENTRY SERVICES					
3	CAMPS & TRAILERS			50,000	35,000	85,
4	SAFETY EQUIPMENT &	H2S		10,000	7,500	17,
	CONTINGENCY					21
15 16				0	3 000	
6	INSURANCE MISCELLANEOUS			0	3,000	,
	INSURANCE MISCELLANEOUS SIM-OPS			0	3,000 15,000	,
6 7	MISCELLANEOUS	DSTS		0 \$ 1,978,625	15,000	15,
.6 .7 .9	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CC	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400)	15,000	15, \$ 5,252, TOTAL
6 7 9	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000	15,000 \$ 3,274,250	15, <b>\$ 5,252,</b> <b>TOTAL</b> <b>\$</b> 20,
6 7 9 01 02	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631	15,000 \$ 3,274,250	15,1 <b>\$ 5,252,1</b> <b>TOTAL</b> <b>\$</b> 20,1 15,1
6 7 9 01 02 03	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000	15,000 \$ 3,274,250	15,1 <b>\$ 5,252,1</b> <b>TOTAL</b> <b>\$</b> 20,1 15,1
.6 .7 .9 .1 .2 .3 .4	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631	15,000 \$ 3,274,250	15,1           \$         5,252,           TOTAL         \$         20,1           \$         20,1         15,1           61,         61,1         61,1
l6 l7	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320	15,000 \$ 3,274,250	15,1           \$         5,252,1           TOTAL         \$         20,1           \$         20,1         15,1           61,1         61,1         61,1
6 7 9 01 02 03 04 05 06	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320	15,000 \$ 3,274,250	15,1           \$         5,252,1           TOTAL         \$         20,1           \$         20,1         15,1           61,1         61,1         61,1
6 7 9 11 12 13 14 15 16 77 18	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872	15,000 \$ 3,274,250	15,1 <b>\$ 5,252,1</b> <b>TOTAL</b> <b>\$</b> 20,1 15,1 61,- 271,1
6 7 9 9 01 02 03 04 05 06 07 08 09	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320	15,000 \$ 3,274,250	15, <b>\$ 5,252,</b> <b>TOTAL</b> <b>\$</b> 20, 15, 61, 271,
6 7 9 11 12 13 14 15 16 17 18 19 0	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA <sup>T</sup> CASING - INTERMEDIA <sup>T</sup> CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872	15,000 \$ 3,274,250	15, <b>\$ 5,252,</b> <b>TOTAL</b> <b>\$</b> 20, 15, 61, 271,
6 7 9 11 12 13 14 15 16 17 18 19 0 1	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872	15,000 \$ 3,274,250	15,1 <b>\$ 5,252,1</b> <b>TOTAL</b> <b>\$</b> 20,1 15,1 61,- 271,1
16 17 19 01 02 03 04 05	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872	15,000 \$ 3,274,250	15,1 \$ 5,252, TOTAL \$ 20,1 15,1 61,2 271,4 40,1
6 7 9 9 01 02 03 04 05 06 07 08 09 0 1 2 3 3 5	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSO VALVES & FITTINGS RODS	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15,1 \$ 5,252, TOTAL \$ 20,1 15,1 61,2 271,4 40,1
6 7 9 9 10 2 03 02 03 04 05 06 07 08 09 0 0 1 2 2 3 5 7	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN FLOWLINES SURFACE PUMPING EO LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15,1 \$ 5,252, TOTAL \$ 20,1 15,1 61,2 271,4 40,1
6 7 99 01 02 03 04 05 06 07 08 09 0 1 2 2 3 3 5 7 20	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EO LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15,1 \$ 5,252, TOTAL \$ 20,1 15,1 61,2 271,3 40,1 271,3 271,4 271,5 271,5 27
6 7 9 9 0 1 0 2 0 3 0 4 0 5 0 0 0 1 2 3 3 5 7 7 20 3 4	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000	15,000 \$ 3,274,250 COMPLETION (600)	15,1 \$ 5,252, TOTAL \$ 20,1 15,1 61,2 271,3 40,1 271,3 795,7
6 7 9 9 0 1 0 2 0 3 0 4 9 9 0 0 1 2 3 5 7 7 20 9 4 4 7	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMIN MISCELLANEOUS	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15,1 \$ 5,252, TOTAL \$ 20,1 15,1 61,2 271,3 40,1 271,3 795,7
6 7 9 1 2 3 4 5 6 6 7 8 9 0 1 2 3 5 7 0 4 7	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 10,000	15,000  \$ 3,274,250 COMPLETION (600)  271,430  795,485	15,1 \$ 5,252, TOTAL \$ 20,1 15,1 61,- 271,- 40,1 271,- 271,- 795,- 10,1
6 7 9 11 22 33 44 55 66 7 7 88 9 9 0 1 2 3 5 5 7 7 0 0 44 7 7	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EO LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT ANGIBLE EQUIP-ACQU	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 10,000 \$ 418,823	15,000 \$ 3,274,250 COMPLETION (600) 2000 200	TOTAL           \$ 20,1           15,1           61,1           271,1           40,1           271,1           795,1           10,1           \$ 1,485,1
6 7 9 1 2 3 4 5 6 7 8 9 0 1 2 3 5 7 0 4 7 7	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SUBFACE PUMPING EC LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMIN MISCELLANEOUS	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 10,000	15,000  \$ 3,274,250 COMPLETION (600)  271,430  795,485	\$ 5,252, TOTAL \$ 20, 15, 61, 271, 40, 271, 795, 10, \$ 1,485,
6 7 9 9 0 1 0 2 0 3 0 4 9 9 0 0 1 2 3 5 7 7 20 9 4 4 7	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EO LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT ANGIBLE EQUIP-ACQU	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 10,000 \$ 418,823	15,000 \$ 3,274,250 COMPLETION (600) 2000 200	\$ 5,252, TOTAL \$ 20,1 15,1 61,1 271,1 40,1 271,2 795,1 10,1 \$ 1,485,1
$ \begin{array}{c} 6 \\ 7 \\ 9 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 0 \\ 1 \\ 2 \\ 3 \\ 5 \\ 7 \\ 0 \\ 4 \\ 7 \\ 9 \\ \end{array} $	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EO LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT ANGIBLE EQUIP-ACQU	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 10,000 \$ 418,823	15,000 \$ 3,274,250 COMPLETION (600) 2010 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164	\$ 5,252, TOTAL \$ 20,1 15,1 61,1 271,1 40,1 271,2 795,1 10,1 \$ 1,485,1
6 7 9 19 10 10 10 10 10 10 10 10 10 10 10 10 10	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 40,000 10,000 \$ 418,823 \$ 2,397,448 Senior Operations Engineers	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	\$ 5,252, TOTAL \$ 20,1 15,1 61,- 271,1 40,1 271,1 271,1 795,- 10,1 \$ 1,485,7 \$ 6,738,6 4/21/2021
6 7 9 19 10 10 10 10 10 10 10 10 10 10 10 10 10	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT DRODUCTION EQUIPMENT PRODUCTION EQUIPMENT TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 10,000 \$ 418,823 \$ 2,397,448	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	15,1         \$ 5,252,1         TOTAL         \$ 20,1         15,1         61,1         271,1         40,1         271,1         795,1         10,1         \$ 1,485,1         \$ 6,738,6
16 47 49 11 12 13 14 15 16 17 18 19 10 12 10 12 10 12 12 13 15 15 17 10 12 12 13 14 15 15 16 17 19 10 10 10 10 10 10 10 10 10 10	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 40,000 10,000 \$ 418,823 \$ 2,397,448 Senior Operations Engineers	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	\$ 5,252, TOTAL \$ 20, 15, 61, 271, 40, 271, 795, 10, \$ 1,485, \$ 6,738,6 4/21/2021
6 7 9 1 2 3 4 5 5 7 7 0 4 7 9 0 1 2 3 3 5 7 7 0 4 7 9 9 0 1 2 3 5 5 7 7 0 4 7 7 9 9	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SUBSURFACE PUMPING EC LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMIN MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 40,000 10,000 \$ 418,823 \$ 2,397,448 Senior Operations Engineers _ COO	15,000 \$ 3,274,250 COMPLETION (600) 2000 200	\$ 5,252, TOTAL \$ 20, 15, 61, 271, 40, 271, 795, 10, \$ 1,485, \$ 6,738,6 4/21/2021
6 7 9 1 2 3 4 5 5 6 7 8 9 0 1 2 3 5 7 0 4 7 9 9 0 4 7 9 9 5 7 0 4 7 9 9 8 9 0 1 2 2 3 5 7 7 8 9 9 0 8 9 9 7 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 8 9 9 9 8 9	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL ESTIMATED RED BY: NTOR APPROVAL:	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 40,000 10,000 \$ 418,823 \$ 2,397,448 Senior Operations Engineers _ COO	15,000 \$ 3,274,250 COMPLETION (600) 2000 200	15, <b>\$</b> 5,252, <b>TOTAL</b> <b>\$</b> 20, 15, 61, 271, 40, 271, 795, 10, <b>\$</b> 1,485, <b>\$</b> 6,738,6 4/21/2021
6 7 9 1 2 3 3 4 5 5 7 0 1 2 3 5 7 0 1 2 3 5 7 0 4 7 9 0 1 2 2 3 5 7 7 0 4 7 7 9 0 1 2 2 5 7 7 8 9 0 0 1 2 7 7 8 9 0 7 7 8 9 0 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 - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPMENT PRODUCTION EQUIPACOU TOTAL INTANGIBLE CO TOTAL ESTIMATED RED BY: NTOR APPROVAL:	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 40,000 10,000 \$ 418,823 \$ 2,397,448 Senior Operations Engineers _ COO	15,000 \$ 3,274,250 COMPLETION (600) 2000 271,430 271,430 271,430 3 795,485 \$ 1,066,914 \$ 4,341,164 DATE: DATE: DATE:	\$ 5,252, TOTAL \$ 20, 15, 61, 271, 40, 271, 795, 10, \$ 1,485, \$ 6,738,€ 4/21/2021
6 7 9 11 12 13 14 15 16 17 18 19 0 1 2 3 5 7 20 1 1 2 3 5 7 20 4 4 7 9 0 1 2 2 3 5 7 2 0 4 4 5 5 7 7 9 0 1 1 2 2 3 3 5 7 7 9 0 1 1 2 2 3 3 5 7 7 9 0 1 1 2 2 3 3 5 7 7 9 0 1 1 2 2 7 7 9 0 1 1 2 2 7 7 9 0 1 1 2 2 7 7 1 9 0 1 1 2 2 7 7 1 1 1 2 2 7 7 1 1 1 2 2 7 7 1 1 1 2 2 7 7 1 1 1 2 2 7 7 1 1 2 7 7 1 1 2 2 7 7 1 2 7 7 1 2 7 7 7 1 2 7 7 7 7 7 7 7 7 7 7 7 7 7	MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOR CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSC VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL ESTIMATED RED BY: NTOR APPROVAL:	TANGIBLE COSTS		\$ 1,978,625 DRILLING (400) \$ 20,000 15,631 61,320 271,872 40,000 40,000 10,000 \$ 418,823 \$ 2,397,448 Senior Operations Engineers _ COO	15,000 \$ 3,274,250 COMPLETION (600) 2000 200	\$ 5,252, TOTAL \$ 20, 15, 61, 271, 40, 271, 795, 10, \$ 1,485, \$ 6,738,6 4/21/2021

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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.
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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.
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ATERA	IAME	Saturninus Fed Com 1510 131H	AFE TYPE	Development	AFE NUMBER	2015091
	AL LOCATION	Section 15 & 10 of T23S R29E	FIELD	Northern Delaware	DRILLING DAYS	22
	CE LOCATION M-HOLE LOCATION	Section 15 of T23S R29E Section 10 of T23S R29E	FORMATION	3rd Bone Spring	DEPTH (TVD/TMD)	9916'/ 17276'
	CT DESCRIPTION	Drilling, completion, facilities and pipe	COUNTY eline costs for 7,500' horizontal	Eddy County well	STATE	New Mexico
CCT. ODE		DESCRIPTION OF EXPENDITUR	E	DRILLING (300)	COST ESTIMATE COMPLETION (500)	1
	SURVEY/PERMITS/DAM			\$ 25,000	COMPLETION (500)	\$ 25,0
02	LOCATION & ROAD			73,125		73,1
	RIG MOVE			30,000		30,0
	DRILLING - FOOTAGE DRILLING - DAYWORK			40,000 338,000		40,0
	COMPLETION/WORKO	VER RIG		338,000		550,0
	COIL TUBING/SNUBBIN	G UNIT			150,000	150,0
	SLICKLINE/SWABBING			100.000	7.500	107.5
	BITS DIRECTIONAL SERVICI			100,000 170,000	7,500	107,5
	CASING CREW			80,000		80,0
12	TOOL & EQUIPMENT R	ENTAL		176,000	150,000	326,0
	FUEL & POWER			130,500	75,000	205,5
	DIESEL - BASE FOR MU MUD LOGGING & GEOL			100,000 30,000		100,0
-	DISPOSAL, RESTORAT			108,000		108,0
	TRUCKING			85,000	30,000	115,0
18	TESTING			,	,	
	CEMENTING			90,000		90,0
	PERFORATING CASED HOLE LOGS				131,250	131,2
	DOWNHOLE TOOLS &	SERVICE		50,000	37,500	87,5
	OTHER STIMULATION			50,000	51,000	07,0
24	FORMATION STIMULAT				1,800,000	1,800,0
	CONSULTING SERVICE				15,000	15,0
	SUPERVISION			90,000 40.000	67,500	157,5
	CONTRACT LABOR OTHER LABOR			40,000	15,000 60,000	55,0 60,0
	COMPANY CONSULTIN	G/SUPV			00,000	
30	WATER			40,000	637,500	677,5
	FLUIDS & CHEMICALS			150,000		150,0
	CORING & ANALYSIS COMMUNICATIONS			8 000	15,000	22.0
	BOP TESTING			8,000 15.000	15,000	23,0
-	FISHING TOOLS & SER	VICES		10,000	10,000	00,0
37	INSPECTIONS			10,000	7,500	17,5
	WIRELINE SERVICES					
	ENGINEERING & GEOL			15.000		15.0
	ENGINEERING & GEOL MULTISHOT & GYRO	OGY - OFFICE		15,000		15,0
	RE-ENTRY SERVICES					
43	CAMPS & TRAILERS			50,000	35,000	85,0
	SAFETY EQUIPMENT &	H2S		10,000	7,500	17,5
				0	3 000	30
46	INSURANCE			0	3,000	3,0
46 47				0	3,000 15,000	3,0 15,0
46 47 49	INSURANCE MISCELLANEOUS			\$ 2,053,625	15,000 \$ 3,274,250	15,0 \$ 5,327,8
46 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400)	15,000	15,0 \$ 5,327,8 TOTAL
46 47 49 01	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000	15,000 \$ 3,274,250	15,0 \$ 5,327,8 TOTAL \$ 20,0
46 47 49 01 02	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400)	15,000 \$ 3,274,250	15,0 \$ 5,327,8 TOTAL
46 47 49 01 02 03	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631	15,000 \$ 3,274,250	15,0 <b>\$ 5,327,8</b> <b>TOTAL</b> <b>\$</b> 20,0 15,6
46 47 49 01 02 03 04 05	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION	TANGIBLE COSTS R TE TE 2 N / LINER		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320	15,000 \$ 3,274,250	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3
46 47 49 01 02 03 04 05 06	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM	TANGIBLE COSTS R TE TE 2 N / LINER		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	15,0           \$         5,327,8           TOTAL         \$         20,0           \$         20,0         15,6           61,3         326,6         326,6
46 47 49 01 02 03 04 05 06 07	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING	TANGIBLE COSTS TE TE 2 V / LINER ENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	15,0           \$         5,327,8           TOTAL         \$         20,0           \$         20,0         15,6           61,3         326,6         326,6
46 47 49 01 02 03 04 05 06 07 08	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM	TANGIBLE COSTS TE TE 2 V / LINER ENT G EQUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	15,0           \$         5,327,8           TOTAL         \$         20,0           \$         20,0         15,6           61,3         326,6         326,6
46 47 49 01 02 03 03 04 05 06 07 08 09 10	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES	TANGIBLE COSTS R TE TE 2 N / LINER IENT G EQUIPMENT IT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15,0 <b>\$ 5,327,8</b> <b>TOTAL</b> <b>\$</b> 20,0 15,6 61,3 326,6 271,8
46 47 49 01 02 03 04 05 06 07 08 09 10 11	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC	TANGIBLE COSTS TE TE 2 V / LINER IENT G EQUIPMENT IT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15,0 <b>\$ 5,327,8</b> <b>TOTAL</b> <b>\$</b> 20,0 15,6 61,3 326,6 271,8
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSO	TANGIBLE COSTS TE TE 2 V / LINER IENT G EQUIPMENT IT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC	TANGIBLE COSTS TE TE 2 V / LINER IENT G EQUIPMENT IT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15,0 <b>\$ 5,327,8</b> <b>TOTAL</b> <b>\$</b> 20,0 15,6 61,3 326,6 271,8
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EO LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 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 CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600) 271,430	15,0 \$ 5,327,8 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 08 09 10 11 12 13 15 17 20 34	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000	15,000 \$ 3,274,250 COMPLETION (600)	15,0 <b>\$ 5,327,8</b> <b>TOTAL</b> <b>\$</b> 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 20 34 47	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600) 271,430	15,0 \$ 5,327,8 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 08 09 10 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM	TANGIBLE COSTS R TE TE 2 N / LINER ENT G EQUIPMENT IT QUIPMENT DC EQUIP F ENT UISITIONS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000	15,000 \$ 3,274,250 COMPLETION (600) 271,430 795,485	15,0 <b>\$</b> 5,327,8 <b>TOTAL</b> <b>\$</b> 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0
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 CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING SUBSURFACE PUMPING EO LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO	TANGIBLE COSTS R TE TE 2 V / LINER ENT G EQUIPMENT IT QUIPMENT DC EQUIP		\$ 2,053,625 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) 2000 271,430 271,430 795,485 1,066,914	\$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3
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 CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ	TANGIBLE COSTS R TE TE 2 V / LINER ENT G EQUIPMENT IT QUIPMENT DC EQUIP		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 10,000	15,000 \$ 3,274,250 COMPLETION (600) 271,430 795,485	\$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3
46 47 49 01 02 03 00 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL ESTIMATED	TANGIBLE COSTS R TE TE 2 V/LINER ENT G EQUIPMENT T QUIPMENT DC EQUIP		\$ 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	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,140,2
46 47 49 01 02 03 00 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING SUBSURFACE PUMPING EO LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO	TANGIBLE COSTS R TE TE 2 V / LINER ENT G EQUIPMENT IT QUIPMENT DC EQUIP		\$ 2,053,625 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 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164	\$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3
46 47 49 01 02 03 00 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 8 EPAF	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL ESTIMATED	TANGIBLE COSTS R TE TE 2 V/LINER ENT G EQUIPMENT T QUIPMENT DC EQUIP		\$ 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	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,140,2
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 ERA	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL ESTIMATED RED BY: TOR APPROVAL:	TANGIBLE COSTS R TE TE 2 V/LINER ENT G EQUIPMENT T QUIPMENT DC EQUIP		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 5 745,448 \$ 2,799,073 Senior Operations Engineers COO	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,140,2
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 20 34 47 49	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSO VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO TOTAL ESTIMATED	TANGIBLE COSTS R TE TE 2 V/LINER ENT G EQUIPMENT T QUIPMENT DC EQUIP		\$ 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	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	\$ 5,327,4 <b>TOTAL</b> \$ 20,0 15,0 61,3 326,0 271,4 40,0 271,4 795,4 10,0 \$ 1,812,5 <b>\$ 7,140,2</b>
46 47 49 01 02 03 03 05 06 07 08 09 10 11 12 13 13 15 17 20 34 47 49 EPAF ERA	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL ESTIMATED RED BY: TOR APPROVAL:	TANGIBLE COSTS R TE TE 2 V/LINER ENT G EQUIPMENT T QUIPMENT DC EQUIP		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 5 745,448 \$ 2,799,073 Senior Operations Engineers COO	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	\$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 795, 10, \$ 1,812, \$ 7,140,2
46 47 49 01 02 03 03 04 05 06 07 08 09 00 11 12 13 15 17 20 34 47 49 5 5 7 7 8 8 99 10 11 12 13 15 17 20 34 4 7 7 8 9 9 9 10 11 12 13 14 9 9 9 9 10 10 2 02 03 03 03 04 05 10 10 10 2 02 03 03 04 05 10 10 10 10 10 10 10 10 10 10 10 10 10	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL ESTIMATED RED BY: TOR APPROVAL:	TANGIBLE COSTS R TE TE 2 V/LINER ENT G EQUIPMENT T QUIPMENT DC EQUIP		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 5 745,448 \$ 2,799,073 Senior Operations Engineers COO	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	15, <b>\$ 5,327,</b> <b>TOTAL</b> <b>\$</b> 20, 15, 61, 326, 271, 40, 271, 40, <b>\$</b> 1,812, <b>\$ 1,812,</b> <b>\$ 7,140,2</b>
46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 EPAF ERA <sup>T</sup> ERA <sup>T</sup>	INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC UNER HANGER & ASSE VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL ESTIMATED RED BY: TOR APPROVAL: TOR APPROVAL:	TANGIBLE COSTS R TE TE 2 V/LINER ENT G EQUIPMENT T QUIPMENT DC EQUIP		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 5 745,448 \$ 2,799,073 Senior Operations Engineers COO	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	15, <b>\$ 5,327,</b> <b>TOTAL</b> <b>\$</b> 20, 15, 61, 326, 271, 40, 271, 40, <b>\$</b> 1,812, <b>\$ 1,812,</b> <b>\$ 7,140,2</b>

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 8:07:32 AM



ATER	IAME	Saturninus Fed Com 1510 132H	AFE TYPE	Development	AFE NUMBER	2015092
	AL LOCATION	Section 15 & 10 of T23S R29E	FIELD	Northern Delaware	DRILLING DAYS	22
	CE LOCATION M-HOLE LOCATION	Section 15 of T23S R29E Section 10 of T23S R29E	FORMATION	3rd Bone Spring	DEPTH (TVD/TMD)	9936'/ 17296'
	CT DESCRIPTION	Drilling, completion, facilities and pipel	COUNTY ine costs for 7,500' horizontal	Eddy County well	STATE	New Mexico
CCT. ODE		DESCRIPTION OF EXPENDITURE INTANGIBLE COSTS		DRILLING (300)	COST ESTIMATE COMPLETION (500)	
	SURVEY/PERMITS/DAM			\$ 25,000	COMPLETION (500)	\$ 25,0
02	LOCATION & ROAD			73,125		73,1
	RIG MOVE			30,000		30,0
	DRILLING - FOOTAGE DRILLING - DAYWORK			40,000 338,000		40,0 338,0
	COMPLETION/WORKO	VER RIG		000,000		000,0
	COIL TUBING/SNUBBIN	IG UNIT			150,000	150,0
	SLICKLINE/SWABBING BITS			100,000	7,500	107,5
	DIRECTIONAL SERVICI	ES		170,000	7,500	170,0
	CASING CREW			80,000		80,0
	TOOL & EQUIPMENT R	ENTAL		176,000	150,000	326,0
	FUEL & POWER DIESEL - BASE FOR MI	ID		130,500 100,000	75,000	205,5
	MUD LOGGING & GEOL			30,000		30,0
-	DISPOSAL, RESTORAT			108,000		108,0
	TRUCKING			85,000	30,000	115,0
	TESTING CEMENTING			90,000		90,0
	PERFORATING			90,000	131.250	131,2
21	CASED HOLE LOGS					
	DOWNHOLE TOOLS &	SERVICE		50,000	37,500	87,5
	OTHER STIMULATION FORMATION STIMULAT				1,800,000	1,800,0
	CONSULTING SERVICE				1,800,000	1,800,0
	SUPERVISION			90,000	67,500	157,5
	CONTRACT LABOR			40,000	15,000	55,0
	OTHER LABOR COMPANY CONSULTIN				60,000	60,0
	WATER			40,000	637,500	677,5
	FLUIDS & CHEMICALS			150,000	,	150,0
	CORING & ANALYSIS					
	COMMUNICATIONS BOP TESTING			8,000 15.000	15,000 15,000	23,0
-	FISHING TOOLS & SER	VICES		13,000	15,000	50,0
	INSPECTIONS			10,000	7,500	17,5
	WIRELINE SERVICES					
	ENGINEERING & GEOL ENGINEERING & GEOL			15,000		15.0
	MULTISHOT & GYRO	OGT - OFFICE		15,000		15,0
	RE-ENTRY SERVICES					
	CAMPS & TRAILERS			50,000	35,000	85,0
44	SAFETY EQUIPMENT 8	H2S		10,000	7,500	17,5
45	CONTINGENCY			0	3,000	3,0
45 46	CONTINGENCY			0	3,000 15,000	3,0 15,0
45 46 47 49	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS	2070			15,000	15,0
45 46 47 49	CONTINGENCY INSURANCE MISCELLANEOUS			\$ 2,053,625	15,000 \$ 3,274,250	15,0 \$ 5,327,8
45 46 47 49	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS	TANGIBLE COSTS			15,000	15,0 \$ 5,327,8 TOTAL
45 46 47 49 01	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400)	15,000 \$ 3,274,250	15,0 \$ 5,327,8 TOTAL
45 46 47 49 01 02 03	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320	15,000 \$ 3,274,250	15,0 <b>\$ 5,327,8</b> <b>TOTAL</b> <b>\$</b> 20,0 15,6 61,3
45 46 47 49 01 02 03 04	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA	TANGIBLE COSTS R TE TE 2		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	15,0           \$ 5,327,8           TOTAL           \$ 20,0           15,6           01,3           326,6
45 46 47 49 01 02 03 04 05	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO	TANGIBLE COSTS R TE TE 2 N / LINER		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320	15,000 \$ 3,274,250	15,0           \$         5,327,8           TOTAL         \$         20,0           \$         20,0         15,6           61,3         326,6         326,6
45 46 47 49 01 02 03 02 03 04 05 06	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA	TANGIBLE COSTS R TE TE 2 N / LINER		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	15,0 <b>\$ 5,327,8</b> <b>TOTAL</b> <b>\$</b> 20,0 15,6 61,3 326,6
45 46 47 49 01 02 03 04 05 06 07 08	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8
45 46 47 49 01 02 03 04 05 06 07 08 09	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	15,000 \$ 3,274,250	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8
45 47 49 01 02 03 04 05 06 07 08 09 10	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES	TANGIBLE COSTS R TE TE 2 N / LINER IENT G EQUIPMENT IT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8
45 46 47 49 01 02 03 04 05 06 07 08 09 10 11	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN	TANGIBLE COSTS R TE TE 2 N / LINER IENT G EQUIPMENT IT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8
45 46 47 49 01 02 03 00 05 06 07 08 09 10 11 12 13	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOP CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS	TANGIBLE COSTS R TE TE 2 N / LINER IENT G EQUIPMENT IT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0
45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASS VALVES & FITTINGS RODS	TANGIBLE COSTS R TE TE 2 N / LINER IENT G EQUIPMENT IT QUIPMENT		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0
45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOP CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0
45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN SUBSURFACE PUMPING EO LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600)	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4
45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS	TANGIBLE COSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	15,000 \$ 3,274,250 COMPLETION (600) 271,430	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4
45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING ECULHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ	TANGIBLE COSTS R TE TE 2 N / LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000	15,000 \$ 3,274,250 COMPLETION (600) 271,430 795,485	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0
45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO	TANGIBLE COSTS R TE TE 2 V / LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS		\$ 2,053,625 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) 2000 271,430 271,430 795,485 1,066,914	\$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3
45 46 47 49 01 002 003 004 005 004 005 006 007 008 009 10 11 12 13 15 117 20 34 47	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING ECULHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ	TANGIBLE COSTS R TE TE 2 V / LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000	15,000 \$ 3,274,250 COMPLETION (600) 271,430 795,485	\$ 5,327,4 <b>TOTAL</b> \$ 20,0 15,0 61,3 326,0 271,8 40,0 271,4 795,4 1,812,3 1,812,3
45 46 47 49 01 02 03 00 00 00 00 00 00 00 00 00 00 00 00	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO	TANGIBLE COSTS R TE TE 2 V / LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS		\$ 2,053,625 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) 2000 271,430 271,430 795,485 1,066,914	\$ 5,327,8 TOTAL \$ 20,0 15,0 61,3 326,0 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3
45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO	TANGIBLE COSTS R TE TE 2 V / LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS		\$ 2,053,625 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 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164	\$ 5,327,8 TOTAL \$ 20,0 15,6 61,2 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3
45 46 47 49 01 02 03 00 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 8 EPAF	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO	TANGIBLE COSTS R TE TE TE 2 V/LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS 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	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,140,2
45 46 47 49 01 02 03 00 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 8 EPAF	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO	TANGIBLE COSTS R TE TE TE 2 V/LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS 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	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164	15,0 \$ 5,327,8 TOTAL \$ 20,0 15,6 61,3 326,6 271,8 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,140,2
45 46 47 49 01 02 03 00 03 00 00 00 00 00 00 00 00 00 00	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO	TANGIBLE COSTS R TE TE TE 2 V/LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS 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	15,000 \$ 3,274,250 COMPLETION (600) 2011 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	\$ 5,327,1 <b>TOTAL</b> \$ 20,0 15,0 61,3 326,0 271,3 40,0 271,4 795,4 10,0 \$ 1,812,3 \$ 7,140,2
45 46 47 49 01 02 03 03 03 03 03 03 04 05 06 07 08 09 10 11 12 13 13 15 17 20 34 47 49 EPAF	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SUBFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN' PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO TOTAL ESTIMATED	TANGIBLE COSTS R TE TE TE 2 V/LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 5 745,448 \$ 2,799,073 Senior Operations Engineers 	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	15, <b>\$ 5,327,</b> <b>TOTAL</b> <b>\$</b> 20, 15, 61, 326, 271, 40, 271, 40, <b>\$</b> 1,812, <b>\$ 1,812,</b> <b>\$ 7,140,2</b>
45 46 47 49 01 02 02 03 04 05 06 07 08 09 00 11 12 13 15 17 20 34 47 49 5 49 5 5 7 7 8 8 99 10 11 12 13 15 17 20 34 4 5 5 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIOI SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SUBFACE PUMPING EC LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN' PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO TOTAL ESTIMATED	TANGIBLE COSTS R TE TE TE 2 V/LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 5 745,448 \$ 2,799,073 Senior Operations Engineers 	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	\$ 5,327, TOTAL \$ 20, 15, 61, 326, 271, 40, 271, 795, 10, \$ 1,812, \$ 7,140,2
45 46 47 49 01 02 03 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 EPAH ERA	CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE CO CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTION SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING SUBSURFACE PUMPING EO LINER HANGER & ASSI VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMENT PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE CO TOTAL ESTIMATED RED BY: TOR APPROVAL:	TANGIBLE COSTS R TE TE TE 2 V/LINER IENT G EQUIPMENT IT QUIPMENT OC EQUIP T ENT UISITIONS DSTS WELL COST		\$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 5 745,448 \$ 2,799,073 Senior Operations Engineers 	15,000 \$ 3,274,250 COMPLETION (600) 2011 20	15, <b>\$ 5,327,</b> <b>TOTAL</b> <b>\$</b> 20, 15, 61, 326, 271, 40, 271, 40, <b>\$</b> 1,812, <b>\$ 1,812,</b> <b>\$ 7,140,2</b>

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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JRFA	IAME AL LOCATION CE LOCATION M-HOLE LOCATION	Saturninus Fed Com 1510 211H Section 15 & 10 of T23S R29E Section 15 of T23S R29E Section 10 of T23S R29E	AFE TYPE FIELD FORMATION COUNTY	Development Northern Delaware Wolfcamp XY Eddy County	AFE NUMBER DRILLING DAYS DEPTH (TVD/TMD) STATE	2015097 22 10066'/ 17426' New Mexico
	CT DESCRIPTION	Drilling, completion, facilities and pip			-	
CCT.		DESCRIPTION OF EXPENDITUR	۲. E		COST ESTIMATE	
ODE		INTANGIBLE COSTS		DRILLING (300)	COMPLETION (500)	
	SURVEY/PERMITS/DAM	AGES/LEGAL		\$ 25,000		\$ 25,
02	LOCATION & ROAD			73,125		73,
	RIG MOVE DRILLING - FOOTAGE			30,000 40,000		30, 40,
	DRILLING - DAYWORK			338.000		40,
	COMPLETION/WORKO			330,000		550,
00	COIL TUBING/SNUBBIN				150,000	150,
-	SLICKLINE/SWABBING				,	,
	BITS			100,000	7,500	107,
10	DIRECTIONAL SERVICE	S		170,000		170,
11	CASING CREW			80,000		80,
12	TOOL & EQUIPMENT RE	INTAL		176,000	150,000	326,
13	FUEL & POWER			130,500	75,000	205,
	DIESEL - BASE FOR MU			100,000		100,
	MUD LOGGING & GEOL			30,000		30,
	DISPOSAL, RESTORAT	ON & BACKFILL		108,000		108,
	TRUCKING			85,000	30,000	115,
	TESTING					
	CEMENTING			90,000		90,
	PERFORATING				131,250	131,
	CASED HOLE LOGS			E0.000	07 500	87,
	DOWNHOLE TOOLS & S OTHER STIMULATION			50,000	37,500	87,
	FORMATION STIMULATION	ION			1,800,000	1,800,
	CONSULTING SERVICE				1,800,000	1,800,
	SUPERVISION	~		90,000	67,500	15,
27	CONTRACT LABOR		<u> </u>	40,000	15,000	55,
28	OTHER LABOR			+0,000	60,000	60,
29	COMPANY CONSULTIN	G/SUPV			50,000	
	WATER			40,000	637,500	677,
31	FLUIDS & CHEMICALS			150,000	,	150,
32	CORING & ANALYSIS			, í		,
33	COMMUNICATIONS			8,000	15,000	23,
34	BOP TESTING			15,000	15,000	30,
36	FISHING TOOLS & SERV	/ICES				
37	INSPECTIONS			10,000	7,500	17,
38	WIRELINE SERVICES					
	ENGINEERING & GEOL					
	ENGINEERING & GEOL	DGY - OFFICE		15,000		15,
	MULTISHOT & GYRO					
	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,
	SIM-OPS				15,000	15,
+9		STS		\$ 2,053,625	\$ 3,274,250	\$ 5,327,
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR			\$ 20,000		\$ 20,
	CASING - SURFACE			15,631		15,
03	CASING - INTERMEDIAT	E		61,320		61,
)4	CASING - INTERMEDIAT	E 2		326,625		326,
)5	CASING - PRODUCTION			271,872		271,
06	SUBSURFACE EQUIPM			<u></u>		<u> </u>
	PRODUCTION TUBING					
08	SUBSURFACE PUMPIN	GEQUIPMENT				
	WELLHEAD EQUIPMEN	г		40,000		40,
-	FLOWLINES					
	SURFACE PUMPING EC					
12	LINER HANGER & ASSO	DC EQUIP				
	VALVES & FITTINGS				271,430	271,
	RODS					
-	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME				705 405	705
	MISCELLANEOUS	-111		10,000	795,485	795, 10,
	TANGIBLE EQUIP-ACQU	IISITIONS		10,000		10,
	TOTAL INTANGIBLE CO			\$ 745,448	\$ 1,066,914	\$ 1,812,
						. , ,
	TOTAL ESTIMATED	WELL COST		\$ 2,799,073	\$ 4,341,164	\$ 7,140,2
				<b></b>	B · 75	410.410.001
EPAF	RED BY:	Alex Bourland & Paul Jobe		Senior Operations Engineers	DATE:	4/21/2021
	TOR APPROVAL:			coo		
∟кА	I ON AFFRUVAL			_COO	DATE:	
ERA	TOR APPROVAL:			CEO or CFO	ΠΔΤΕ·	
					Ditte.	
	ER COMPANY NAME:					
	ER 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.
Released to Imaging: 6/30/2021 8:07:32 AM

TITLE:



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VELL N	NAME AL LOCATION	Saturninus Fed Com 1510 212H Section 15 & 10 of T23S R29E	AFE TYPE FIELD	Development Northern Delaware	AFE NUMBER DRILLING DAYS	2015098 22
URFA	CE LOCATION	Section 15 of T23S R29E	FORMATION	Wolfcamp XY	DEPTH (TVD/TMD)	10091/ 17451'
	M-HOLE LOCATION CT DESCRIPTION	Section 10 of T23S R29E Drilling, completion, facilities and pipeline	COUNTY costs for 7,500' horizontal	Eddy County	STATE	New Mexico
			· · · · ·			
CCT.		DESCRIPTION OF EXPENDITURE INTANGIBLE COSTS		DRILLING (300)	COST ESTIMATE COMPLETION (500)	
01	SURVEY/PERMITS/DAM			\$ 25,000	COMPLETION (500)	\$ 2
02	LOCATION & ROAD			73,125		7
03	RIG MOVE			30,000		3
04 05	DRILLING - FOOTAGE DRILLING - DAYWORK			40,000 338,000		4
05	COMPLETION/WORKO	/ER RIG		530,000		
07	COIL TUBING/SNUBBIN	G UNIT			150,000	15
08	SLICKLINE/SWABBING			100.000		
09 10	BITS DIRECTIONAL SERVICE	S		100,000	7,500	10
10	CASING CREW			80,000		8
12	TOOL & EQUIPMENT RE	ENTAL		176,000	150,000	32
13	FUEL & POWER	_		130,500	75,000	20
14 15	DIESEL - BASE FOR MU MUD LOGGING & GEOL			100,000 30,000		10
16	DISPOSAL, RESTORAT			108,000		10
17	TRUCKING			85,000	30,000	11
18	TESTING					
19	CEMENTING			90,000	404.050	9
20 21	PERFORATING CASED HOLE LOGS				131,250	13
22	DOWNHOLE TOOLS & S	SERVICE		50,000	37,500	8
23	OTHER STIMULATION					
24	FORMATION STIMULAT				1,800,000	1,80
25 26	CONSULTING SERVICE SUPERVISION	5		90,000	15,000 67,500	15
27	CONTRACT LABOR			40,000	15,000	5
28	OTHER LABOR			,	60,000	6
29	COMPANY CONSULTIN	G/SUPV				
30 31	WATER FLUIDS & CHEMICALS			40,000	637,500	67
32	CORING & ANALYSIS			130,000		15
33	COMMUNICATIONS			8,000	15,000	2
34	BOP TESTING			15,000	15,000	3
36	FISHING TOOLS & SER	/ICES		10.000	7.500	1
37 38	INSPECTIONS WIRELINE SERVICES			10,000	7,500	1
39	ENGINEERING & GEOL	DGY - FIELD				
40	ENGINEERING & GEOL			15,000		1
	MULTISHOT & GYRO					
42 43	RE-ENTRY SERVICES CAMPS & TRAILERS			50,000	35,000	8
43	SAFETY EQUIPMENT &	H2S		10,000	,	1
45	CONTINGENCY			.,	,	
46	INSURANCE			0	3,000	
47 49	MISCELLANEOUS SIM-OPS				15,000	1
49	TOTAL INTANGIBLE CO	OSTS		\$ 2,053,625	\$ 3,274,250	\$ 5,32
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	
01	CASING - CONDUCTOR			\$ 20,000		\$ 2
02	CASING - SURFACE	- <b>F</b>		15,631		1
03 04	CASING - INTERMEDIAT			61,320 326,625		6
04	CASING - PRODUCTION			271,872		27
06	SUBSURFACE EQUIPM	ENT				
07	PRODUCTION TUBING					
08 09	SUBSURFACE PUMPIN			40,000		4
	FLOWLINES	•		40,000		4
11	SURFACE PUMPING EC	UIPMENT				
12	LINER HANGER & ASSO					
13 15	VALVES & FITTINGS RODS				271,430	27
17	TRUCKING	·	<u></u> .			
	TRUCKING RE-ENTRY EQUIPMENT				795,485	79
17		ENT		10,000		1
17 20 34 47	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS			10,000		
17 20 34	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU	JISITIONS		,	\$ 1 066 914	\$ 1.81
17 20 34 47	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CC	JISITIONS ISTS		\$ 745,448		
17 20 34 47	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU	JISITIONS ISTS		,		
17 20 34 47 49	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CC	JISITIONS ISTS		\$ 745,448	\$ 4,341,164	
17 20 34 47 49 REPA	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED RED BY:	JISITIONS ISTS WELL COST		\$     745,448       \$     2,799,073       Senior Operations Engineers	\$ 4,341,164 DATE:	\$ 7,140 4/21/2021
17 20 34 47 49 REPA	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED	JISITIONS ISTS WELL COST		\$ 745,448 \$ 2,799,073	\$ 4,341,164 DATE:	\$ 7,140
17 20 34 47 49 REPA PERA	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED RED BY:	JISITIONS ISTS WELL COST		\$     745,448       \$     2,799,073       Senior Operations Engineers	<b>\$ 4,341,164</b> DATE: DATE:	\$ 7,140 4/21/2021
17 20 34 47 49 REPA	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED RED BY: TOR APPROVAL:	JISITIONS ISTS WELL COST		\$     745,448       \$     2,799,073       Senior Operations Engineers	<b>\$ 4,341,164</b> DATE: DATE:	\$ 7,140 4/21/2021
17 20 34 47 49 2EPA 2ERA	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED RED BY: TOR APPROVAL:	JISITIONS ISTS WELL COST		\$     745,448       \$     2,799,073       Senior Operations Engineers	<b>\$ 4,341,164</b> DATE: DATE:	\$ 7,140 4/21/2021
17 20 34 47 49 28 28 28 28 28 28 28 28 28 28 28 28 28	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED RED BY: TOR APPROVAL: TOR APPROVAL: ER COMPANY NAME:	JISITIONS ISTS WELL COST		\$     745,448       \$     2,799,073       Senior Operations Engineers	\$ 4,341,164 DATE: DATE: DATE:	\$ 7,140 4/21/2021
17 20 34 47 49 PERA PERA	RE-ENTRY EQUIPMENT PRODUCTION EQUIPME MISCELLANEOUS TANGIBLE EQUIP-ACQU TOTAL INTANGIBLE CO TOTAL ESTIMATED RED BY: TOR APPROVAL: TOR APPROVAL:	JISITIONS ISTS WELL COST		\$     745,448       \$     2,799,073       Senior Operations Engineers	<b>\$ 4,341,164</b> DATE: DATE:	\$ 7,140 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.
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TITLE:



VELL N	IAME	Saturninus Fed Com 1510 215H		AFE TYPE	Development	AFE NUMBER	2015099
		Section 15 & 10 of T23S R29E		FIELD	Northern Delaware	DRILLING DAYS	22
		Section 15 of T23S R29E		FORMATION	Wolfcamp XY	DEPTH (TVD/TMD)	10106/ 17466'
-	M-HOLE LOCATION CT DESCRIPTION	Section 10 of T23S R29E Drilling, completion, facilities and p	ipeline costs for	7,500' horizonta	Eddy County	STATE	New Mexico
CCT. ODE		DESCRIPTION OF EXPENDITU INTANGIBLE COSTS	JRE		DRILLING (300)	COST ESTIMATE COMPLETION (500)	
	SURVEY/PERMITS/DAM				\$ 25,000		\$ 25
	LOCATION & ROAD				73,125		73
	RIG MOVE				30,000		30
	DRILLING - FOOTAGE DRILLING - DAYWORK				40,000 338,000		40
	COMPLETION/WORKO	/ER RIG			530,000		530
	COIL TUBING/SNUBBIN					150,000	150
	SLICKLINE/SWABBING						
	BITS				100,000	7,500	107
	DIRECTIONAL SERVICE CASING CREW	.5			170,000 80,000		170 80
	TOOL & EQUIPMENT R	ENTAL			176,000	150,000	326
	FUEL & POWER				130,500	75,000	205
	DIESEL - BASE FOR MU				100,000		100
	MUD LOGGING & GEOL				30,000		30
	DISPOSAL, RESTORAT TRUCKING	ON & BACKFILL			108,000 85,000	30,000	108 115
	TESTING				03,000	30,000	113
	CEMENTING				90,000		90
	PERFORATING					131,250	131
	CASED HOLE LOGS				50.000	07.500	
	DOWNHOLE TOOLS & S OTHER STIMULATION	DERVICE			50,000	37,500	87
	FORMATION STIMULATION	ION				1,800,000	1,800
	CONSULTING SERVICE					15,000	15
26	SUPERVISION				90,000	67,500	157
	CONTRACT LABOR				40,000	15,000	55
	OTHER LABOR COMPANY CONSULTIN					60,000	60
	WATER	3/SUPV			40,000	637,500	677
	FLUIDS & CHEMICALS				150,000	001,000	150
32	CORING & ANALYSIS						
	COMMUNICATIONS				8,000	,	23
	BOP TESTING	//050			15,000	15,000	30
	FISHING TOOLS & SER	AIGES			10,000	7,500	17
	WIRELINE SERVICES				10,000	7,000	
39	ENGINEERING & GEOL	DGY - FIELD					
	ENGINEERING & GEOL	DGY - OFFICE			15,000		15
	MULTISHOT & GYRO						
	RE-ENTRY SERVICES CAMPS & TRAILERS				50,000	35,000	85
	SAFETY EQUIPMENT &	H2S			10,000	,	17
	CONTINGENCY					,	
	INSURANCE				0	.,	3
	MISCELLANEOUS					15,000	15
	SIM-OPS TOTAL INTANGIBLE CO	ISTS			\$ 2,053,625	\$ 3,274,250	\$ 5,327
		TANGIBLE COSTS			DRILLING (400)	COMPLETION (600)	TOTAL
	CASING - CONDUCTOR				\$ 20,000		\$ 20
	CASING - SURFACE				15,631		15
-	CASING - INTERMEDIA CASING - INTERMEDIA				61,320 326,625		61 326
	CASING - PRODUCTION				271,872		271
	SUBSURFACE EQUIPM				2.1,0.2		
)7	PRODUCTION TUBING						
	SUBSURFACE PUMPIN						
	WELLHEAD EQUIPMEN FLOWLINES	I			40,000		40
-	SURFACE PUMPING EC	UIPMENT					
	LINER HANGER & ASSO						
3	VALVES & FITTINGS					271,430	271
	RODS						
	TRUCKING RE-ENTRY EQUIPMENT						
-	PRODUCTION EQUIPMENT					795,485	795
-	MISCELLANEOUS				10,000	,	10
	TANGIBLE EQUIP-ACQ						
	TOTAL INTANGIBLE CO	STS			\$ 745,448	\$ 1,066,914	\$ 1,812
	TOTAL ESTIMATED	WELL COST			\$ 2,799,073	\$ 4,341,164	\$ 7,140,2
EPAF	RED BY:	Alex Bourland & Paul Jobe			Senior Operations Engineers	DATE:	4/21/2021
ERA	TOR APPROVAL:				COO	DATE:	
					-		
∟rA	TOR APPROVAL:				CEO or CFO	DATE:	
	ER COMPANY NAME:						
	ER 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.
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#### NOVO OIL & GAS NORTHERN DELAWARE, LLC AUTHORIZATION FOR EXPENDITURE

SURFA BOTTO	NAME AL LOCATION CE LOCATION M-HOLE LOCATION CT DESCRIPTION	Saturninus Fed Com 1510 221H Section 15 & 10 of T23S R29E Section 15 of T23S R29E Section 10 of T23S R29E Drilling, completion, facilities and pipelin	AFE TYPE FIELD FORMATION COUNTY ne costs for 7,500' horizontal	Development Northern Delaware Wolfcamp A Eddy County well	AFE NUMBER DRILLING DAYS DEPTH (TVD/TMD) STATE	2015100 22 10236 <sup>7/</sup> 17596' New Mexico
ACCT.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
01	SURVEY/PERMITS/DA	INTANGIBLE COSTS MAGES/LEGAL		DRILLING (300) \$ 25,000	COMPLETION (500)	\$ 25,00
	LOCATION & ROAD			73,125		73,12
03	RIG MOVE			30,000		30,00
04 05	DRILLING - FOOTAGE DRILLING - DAYWORK			40,000 338,000		40,00 338,00
06	COMPLETION/WORKO			000,000		000,00
07	COIL TUBING/SNUBBIN				150,000	150,00
08 09	SLICKLINE/SWABBING BITS	i		100,000	7,500	107,50
10	DIRECTIONAL SERVIC	ES		170,000	1,000	170,00
11	CASING CREW			80,000		80,00
12 13	TOOL & EQUIPMENT R	RENTAL		176,000 130,500	150,000 75,000	326,00 205,50
14	DIESEL - BASE FOR MI	UD		100,000	70,000	100,00
-	MUD LOGGING & GEO			30,000		30,00
16	DISPOSAL, RESTORAT	FION & BACKFILL		108,000	30.000	108,00
17 18	TESTING			85,000	30,000	115,00
19	CEMENTING			90,000		90,00
	PERFORATING				131,250	131,25
21 22	CASED HOLE LOGS DOWNHOLE TOOLS &	SERVICE		50,000	37,500	87,50
22	OTHER STIMULATION	SERVICE		30,000	57,500	87,50
24	FORMATION STIMULA				1,800,000	1,800,00
25	CONSULTING SERVICE	ES		00.000	15,000	15,00
26 27	SUPERVISION CONTRACT LABOR			90,000 40,000	67,500 15,000	157,50 55,00
28	OTHER LABOR			,	60,000	60,00
29	COMPANY CONSULTIN	NG/SUPV				
30 31	WATER FLUIDS & CHEMICALS			40,000	637,500	677,50 150,00
32	CORING & ANALYSIS			130,000		150,00
33	COMMUNICATIONS			8,000	15,000	23,00
34 36	BOP TESTING			15,000	15,000	30,00
30	FISHING TOOLS & SER	(VICES		10,000	7,500	17,50
38	WIRELINE SERVICES				.,	,
	ENGINEERING & GEOL					
40 41	ENGINEERING & GEOL MULTISHOT & GYRO	LOGY - OFFICE		15,000		15,00
42	RE-ENTRY SERVICES					
43	CAMPS & TRAILERS			50,000	35,000	85,00
43 44	SAFETY EQUIPMENT &	& H2S		50,000 10,000	35,000 7,500	17,50
43 44 45	SAFETY EQUIPMENT & CONTINGENCY	& H2S			7,500	17,50
43 44	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS	& H2S		10,000		17,50
43 44 45 46	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS			0	7,500 3,000 15,000	17,50 3,00 15,00
43 44 45 46 47	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS	OSTS		10,000 0 \$ 2,053,625	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 \$ 5,327,87
43 44 45 46 47 49	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOR	OSTS TANGIBLE COSTS		0	7,500 3,000 15,000	17,50 3,00 15,00
43 44 45 46 47 49 01 02	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOR CASING - SURFACE	OSTS TANGIBLE COSTS R		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 \$ 5,327,87 TOTAL \$ 20,00 15,63
43 44 45 46 47 49 01 02 03	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA	OSTS TANGIBLE COSTS R TE		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32
43 44 45 46 47 49 01 02	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOR CASING - SURFACE	OSTS TANGIBLE COSTS R .TE .TE 2		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 \$ 5,327,87 TOTAL \$ 20,00 15,63
43 44 45 46 47 49 01 02 03 04 05 06	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER IENT		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 \$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87
43 44 45 46 47 49 01 02 03 04 05 06 07	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING	OSTS TANGIBLE COSTS R TE TE 2 N / LINER /ENT		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 \$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87
43 44 45 46 47 49 01 02 03 04 05 06	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM	OSTS TANGIBLE COSTS R TE TE 2 N / LINER /ENT i IG EQUIPMENT		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32 326,62 271,87
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 10	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER //ENT G EQUIPMENT NT		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00
43         44         45         46         47         49         01         02         03         04         05         06         07         08         09         10         11	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER MENT G EQUIPMENT NT QUIPMENT		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00
43         44         45         46         47         49         01         02         03         04         05         06         07         08         09         10         11	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER MENT G EQUIPMENT NT QUIPMENT		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	7,500 3,000 15,000 \$ 3,274,250	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING E LINER HANGER & ASS	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER MENT G EQUIPMENT NT QUIPMENT		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600)	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 09 10 11 11 12 13 15 17	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN FLOWLINES SURFACE PUMPING EF LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT NT QUIPMENT OC EQUIP		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600)	17,50 3,00 15,00 \$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 11 12 13 15 17 20	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING EF LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT NT QUIPMENT OC EQUIP		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600)	17,50 3,00 15,00 \$ 5,327,87 TOTAL \$ 20,00 15,63 61,32 326,62 271,87 40,00 271,43
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 09 09 10 11 11 12 13 15 17	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT NT QUIPMENT OC EQUIP		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600)	17,50 3,00 15,00 <b>\$ 5,327,87</b> <b>TOTAL</b> <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48
43         44         45         46         47         49         01         02         03         04         05         06         07         08         09         10         11         12         13         15         17         20         34	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ	OSTS TANGIBLE COSTS R TE TE 2 N / LINER MENT IG EQUIPMENT NT QUIPMENT OC EQUIP T HENT MUISITIONS		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 271,430 795,485	17,50 3,00 15,00 <b>\$ 5,327,87</b> <b>TOTAL</b> <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00
43         44         45         46         47         49         01         02         03         04         05         06         07         08         09         10         11         12         13         15         17         20         34         47	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING EI LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS	OSTS TANGIBLE COSTS R TE TE 2 N / LINER MENT IG EQUIPMENT NT QUIPMENT OC EQUIP T HENT MUISITIONS		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 271,430 795,485	17,50 3,00 15,00 <b>\$ 5,327,87</b> <b>TOTAL</b> <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00
43           44           45           46           47           49           01           02           03           04           05           06           07           08           09           10           11           12           13           15           17           20           34	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT NT QUIPMENT OC EQUIP		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 40,000	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 2010 271,430 271,430 795,485 \$ 1,066,914	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 <b>\$ 1,812,36</b>
43           44           45           46           47           49           01           02           03           04           05           06           07           08           09           10           11           12           13           15           17           20           34	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EF LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE C	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT NT QUIPMENT OC EQUIP		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 10,000 \$ 745,448	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 2010 271,430 271,430 795,485 \$ 1,066,914	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 <b>\$ 1,812,36</b>
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 09 09 10 11 11 12 13 15 17 20 34 47 49	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EF LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE C	OSTS TANGIBLE COSTS R ITE ITE 2 N / LINER MENT IG EQUIPMENT NT QUIPMENT OC EQUIP		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 10,000 \$ 745,448	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 <b>\$ 1,812,36</b>
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE C	OSTS TANGIBLE COSTS R TE TE TE TE N TE MENT G EQUIPMENT OC EQUIP T T MENT OC EQUIP T MENT OC EQUIP T MENT		10,000 0 <b>\$ 2,053,625 DRILLING (400) \$</b> 20,000 15,631 61,320 326,625 271,872 40,000 40,000 <b>\$ 745,448 \$ 2,799,073</b> Senior Operations Engineers	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	17,50 3,00 15,00 \$ 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 \$ 7,140,23 4/21/2021
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EF LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE C	OSTS TANGIBLE COSTS R TE TE TE TE N TE MENT G EQUIPMENT OC EQUIP T T MENT OC EQUIP T MENT OC EQUIP T MENT		10,000 0 \$ 2,053,625 DRILLING (400) \$ 20,000 15,631 61,320 326,625 271,872 40,000 10,000 \$ 745,448 \$ 2,799,073	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	17,50 3,00 15,00 <b>\$ 5,327,87</b> TOTAL <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 <b>\$ 1,812,36</b> <b>\$ 7,140,23</b>
43 44 45 46 47 49 01 02 03 04 05 06 07 07 08 09 09 10 11 12 13 15 17 77 20 34 47 49 REPA	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE C	OSTS TANGIBLE COSTS R TE TE TE TE N TE MENT G EQUIPMENT OC EQUIP T T MENT OC EQUIP T MENT OC EQUIP T MENT		10,000 0 <b>\$ 2,053,625 DRILLING (400) \$</b> 20,000 15,631 61,320 326,625 271,872 40,000 40,000 <b>\$ 745,448 \$ 2,799,073</b> Senior Operations Engineers	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 271,430 271,430 795,485 \$ 1,066,914 \$ 4,341,164 DATE:	17,50 3,00 15,00 <b>\$ 5,327,87</b> <b>TOTAL</b> <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 <b>\$ 1,812,36</b> <b>\$ 7,140,23</b> 4/21/2021
43 44 45 46 47 49 01 02 03 04 05 06 07 07 08 09 09 10 11 12 13 15 17 77 20 34 47 49 REPA	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE PUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE C TOTAL ESTIMATED	OSTS TANGIBLE COSTS R TE TE TE TE N TE MENT G EQUIPMENT OC EQUIP T T MENT OC EQUIP T MENT OC EQUIP T MENT		10,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164 DATE: DATE:	17,50 3,00 15,00 <b>\$ 5,327,87</b> <b>TOTAL</b> <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 <b>\$ 1,812,36</b> <b>\$ 7,140,23</b> 4/21/2021
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 11 12 13 15 17 20 34 47 49 REPA PERA	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE PUIPMEN PRODUCTION TUBING SUBSURFACE PUMPING FLOWLINES SURFACE PUMPING E LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE C TOTAL ESTIMATED	OSTS TANGIBLE COSTS R TE TE TE TE N TE MENT G EQUIPMENT OC EQUIP T T MENT OC EQUIP T MENT OC EQUIP T MENT		10,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164 DATE: DATE:	17,50 3,00 15,00 <b>\$ 5,327,87</b> <b>TOTAL</b> <b>\$</b> 20,00 15,63 61,32 326,62 271,87 40,00 271,43 795,48 10,00 <b>\$ 1,812,36</b> <b>\$ 7,140,23</b> 4/21/2021
43 44 45 46 47 49 01 02 03 04 05 06 07 08 09 10 11 12 13 15 17 20 34 47 49 8 REPA PERA PERA	SAFETY EQUIPMENT & CONTINGENCY INSURANCE MISCELLANEOUS SIM-OPS TOTAL INTANGIBLE C CASING - CONDUCTOF CASING - SURFACE CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - INTERMEDIA CASING - PRODUCTIO SUBSURFACE EQUIPM PRODUCTION TUBING SUBSURFACE PUMPIN WELLHEAD EQUIPMEN FLOWLINES SURFACE PUMPING EF LINER HANGER & ASS VALVES & FITTINGS RODS TRUCKING RE-ENTRY EQUIPMEN PRODUCTION EQUIPM MISCELLANEOUS TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE C TOTAL ESTIMATED RED BY: TOR APPROVAL:	OSTS TANGIBLE COSTS R TE TE TE TE N TE MENT G EQUIPMENT OC EQUIP T T MENT OC EQUIP T MENT OC EQUIP T MENT		10,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7,500 3,000 15,000 \$ 3,274,250 COMPLETION (600) 271,430 271,430 271,430 5 1,066,914 \$ 4,341,164 DATE: DATE:	17,50 3,00 15,00 <b>\$ 5,327,87</b> <b>TOTAL</b> <b>\$</b> 20,00 15,66 61,32 326,62 271,87 40,00 271,42 795,44 10,00 <b>\$ 1,812,30</b> <b>\$ 7,140,23</b> 4/21/2021

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	AL LOCATION	Saturninus Fed Com 1510 222H Section 15 & 10 of T23S R29E		AFE TYPE FIELD	Development Northern Delaware	AFE NUMBER DRILLING DAYS	2015101 22
	CE LOCATION M-HOLE LOCATION	Section 15 of T23S R29E Section 10 of T23S R29E		FORMATION COUNTY	Wolfcamp A Eddy County	DEPTH (TVD/TMD) STATE	10261'/ 17621' New Mexico
	CT DESCRIPTION	Drilling, completion, facilities and pip				STATE	New Mexico
00T	1						
ACCT.		DESCRIPTION OF EXPENDITUE INTANGIBLE COSTS	KE		DRILLING (300)	COST ESTIMATE COMPLETION (500)	
01	SURVEY/PERMITS/DAI	MAGES/LEGAL			\$ 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/WORKO						
07	COIL TUBING/SNUBBIN					150,000	150,
08 09	SLICKLINE/SWABBING BITS				100,000	7,500	107,
10	DIRECTIONAL SERVIC	ES			170,000	1,000	170,
11	CASING CREW				80,000		80,
12	TOOL & EQUIPMENT R	ENTAL			176,000	150,000	326,
13 14	FUEL & POWER DIESEL - BASE FOR M	D			130,500 100,000	75,000	205, 100,
15	MUD LOGGING & GEO				30,000		30,
16	DISPOSAL, RESTORAT	TION & BACKFILL			108,000		108,
17	TRUCKING				85,000	30,000	115,
18 19	TESTING CEMENTING				90,000		90,
20	PERFORATING				90,000	131,250	131,
21	CASED HOLE LOGS					101,200	
22	DOWNHOLE TOOLS &	SERVICE			50,000	37,500	87,
23	OTHER STIMULATION	510N				1 000 000	4 000
24 25	FORMATION STIMULA CONSULTING SERVICE					1,800,000 15,000	1,800, 15,
26	SUPERVISION	_5			90,000	67,500	15,
27	CONTRACT LABOR				40,000	15,000	55,
28	OTHER LABOR					60,000	60,
29	COMPANY CONSULTIN	IG/SUPV			40.000	007 500	077
30 31	WATER FLUIDS & CHEMICALS				40,000	637,500	677, 150,
32	CORING & ANALYSIS				100,000		100,
33	COMMUNICATIONS				8,000	15,000	23,
34	BOP TESTING				15,000	15,000	30,
36	FISHING TOOLS & SEF	VICES			40.000	7 500	47
37 38	WIRELINE SERVICES				10,000	7,500	17,
39	ENGINEERING & GEOL	.OGY - FIELD					
40	ENGINEERING & GEOL	.OGY - OFFICE			15,000		15,
41	MULTISHOT & GYRO						
42	RE-ENTRY SERVICES				50.000	25.000	05
43 44	CAMPS & TRAILERS SAFETY EQUIPMENT &	H2S			50,000		85,
45	CONTINGENCY				10,000	1,000	,
46	INSURANCE				0	3,000	3,
47	MISCELLANEOUS					15,000	15,
49	SIM-OPS	OSTS			\$ 2,053,625	\$ 3,274,250	\$ 5,327,
		TANGIBLE COSTS			DRILLING (400)	COMPLETION (600)	TOTAL
01	CASING - CONDUCTOR	२			\$ 20,000		\$ 20,
02	CASING - SURFACE				15,631		15,
03 04	CASING - INTERMEDIA CASING - INTERMEDIA				61,320 326,625		61, 326,
04	CASING - INTERMEDIA				271,872		271,
06	SUBSURFACE EQUIPM				2.1,0.2		,
07	PRODUCTION TUBING						
08	SUBSURFACE PUMPIN				10.000		10
09 10	WELLHEAD EQUIPMEN	NI			40,000		40,
11	SURFACE PUMPING E	QUIPMENT					
12	LINER HANGER & ASS						
13	VALVES & FITTINGS					271,430	271,
15 17	RODS TRUCKING						
20	RE-ENTRY EQUIPMEN	Т					
34	PRODUCTION EQUIPM					795,485	795,
47	MISCELLANEOUS				10,000		10,
49	TANGIBLE EQUIP-ACQ TOTAL INTANGIBLE C				\$ 745,448	\$ 1,066,914	\$ 1,812,
1	TOTAL ESTIMATED	WELL COST			\$ 2,799,073	\$ 4,341,164	\$ 7,140,2
REPA	RED BY:	Alex Bourland & Paul Jobe			Senior Operations Engineers	DATE:	4/21/2021
~ERA	TOR APPROVAL:					DATE:	
PERA	TOR APPROVAL:				CEO or CFO	DATE:	
RTN	ER COMPANY NAME:						
RTN	ER APPROVAL:					DATE:	
ΓLE:						-	

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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VELL NAM	ME	Saturninus Fed Com 1510 225H	AFE TYPE	Development	AFE NUMBER	2015102
		Section 15 & 10 of T23S R29E	FIELD	Northern Delaware	DRILLING DAYS	2015102
	LOCATION	Section 15 of T23S R29E	FORMATION	Wolfcamp A	DEPTH (TVD/TMD)	10281'/ 17641'
-	HOLE LOCATION	Section 10 of T23S R29E Drilling, completion, facilities and pipe	COUNTY	Eddy County	STATE	New Mexico
СТ.		DESCRIPTION OF EXPENDITURE			COST ESTIMATE	
0DE 01 SL	URVEY/PERMITS/DAM			DRILLING (300) \$ 25,000	COMPLETION (500)	\$ 25,
	OCATION & ROAD			73,125		φ <u>2</u> 3, 73,
	IG MOVE			30,000		30,
	RILLING - FOOTAGE			40,000		40,
	RILLING - DAYWORK OMPLETION/WORKO	/ER RIG		338,000		338,
	OIL TUBING/SNUBBIN				150,000	150,
	LICKLINE/SWABBING					
	ITS			100,000	7,500	107,
	IRECTIONAL SERVICE ASING CREW	:5		170,000 80,000		170, 80,
	OOL & EQUIPMENT R	ENTAL		176,000	150,000	326,
13 FL	UEL & POWER			130,500	75,000	205,
	IESEL - BASE FOR MU			100,000		100,
	IUD LOGGING & GEOL ISPOSAL, RESTORAT			30,000		30,
	RUCKING	ION & BACKFILL		108,000 85,000	30,000	108, 115,
	ESTING			03,000	30,000	113,
	EMENTING			90,000		90,
	ERFORATING				131,250	131,
	ASED HOLE LOGS			50.000	07.500	07
	OWNHOLE TOOLS & : THER STIMULATION	SERVICE		50,000	37,500	87,
	ORMATION STIMULAT	ION			1,800,000	1,800,
	ONSULTING SERVICE				15,000	15,
	UPERVISION			90,000	67,500	157,
	ONTRACT LABOR			40,000	15,000	55,
	THER LABOR OMPANY CONSULTIN				60,000	60,
	ATER	G/SUFV		40,000	637,500	677,
	LUIDS & CHEMICALS			150,000	001,000	150,
32 CC	ORING & ANALYSIS					
	OMMUNICATIONS			8,000	15,000	23,
	OP TESTING			15,000	15,000	30,
	ISHING TOOLS & SER	VICES		10,000	7,500	17,
	/IRELINE SERVICES			10,000	1,000	
39 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	7,500	17,
	ONTINGENCY				,	,
	ISURANCE			0		3,
					15,000	15,
-	IM-OPS OTAL INTANGIBLE CO	OSTS		\$ 2,053,625	\$ 3,274,250	\$ 5,327,
		TANGIBLE COSTS		DRILLING (400)	COMPLETION (600)	
	ASING - CONDUCTOF			\$ 20,000		\$ 20,
	ASING - SURFACE	r=		15,631		15,
	ASING - INTERMEDIA ASING - INTERMEDIA			61,320 326,625		61, 326,
	ASING - PRODUCTION			271,872		271,
	UBSURFACE EQUIPM					
	RODUCTION TUBING					
	UBSURFACE PUMPIN			10.011		
	/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		\$ 2,799,073	\$ 4,341,164	\$ 7,140,2
EPARE	ED BY:	Alex Bourland & Paul Jobe		Senior Operations Engineers	DATE:	4/21/2021
ERATO	OR APPROVAL:			_coo	DATE:	
FRATO	OR APPROVAL:			CEO or CFO	DATE:	
	CITAL INCOME.				DATE:	
RTNER	R COMPANY NAME:					
RTNER	R APPROVAL:				DATE:	
LE:						

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VELL NAME         Saturninus Fed Con 15/0 23/14         AFE TYPE           ATERAL LOCATION         Section 15 6 X 10 47 238 R29E         FIELD           SOTTOM-IOL ELOCATION         Section 10 of 7238 R29E         COUNTY           SOTTOM-IOL ELOCATION         Decin 10 of 7238 R29E         COUNTY           SOTTOM-IOL ELOCATION         Decin 10 of 7238 R29E         COUNTY           SOTTOM-IOL ELOCATION         Decin 10 of 7238 R29E         COUNTY           CODE         INTANGIBLE COSTS         INTANGIBLE COSTS           01         SURVEYPERINTSIONAAGESILEGAL         INTANGIBLE COSTS           02         LOCATION ROAD         INTANGIBLE COSTS           03         RIK MOVE         INTANGIBLE COSTS           04         DIRLING - FOOTAGE         INTANGIBLE COSTS           05         COUNTERSWABBING UNIT         INTANGIBLE COSTS           06         COMPLETIONAVORKOVER RIG         INTANGIBLE COSTS           17         TOOL & GOLONGET RENTAL         INTERNAL           18         INPLA RESTORATION & BACKFILL         INTEND           19         DESCRITING         INTEND           10         DIFECTIONAL SERVICES         INTEND           11         DOLGGING & GEOLOGIST         INTEND           11         CORMATING<	Development Northern Delaware Wolfcamp B Eddy County well DRILLING (300) \$ 25,000 73,125 30,000 40,000 364,000 190,000 192,000 139,500 100,000 34,000 192,000 108,000 34,000 34,000 0 34,000 108,000 34,000 108,000 34,000 108,000 34,000 108,000 34,000 108,000 100,000 34,000 100,	AFE NUMBER DRILLING DAYS DEPTH (TVD/TMD) STATE COST ESTIMATE COMPLETION (500) COMPLETION (5	2015103 24 10946'/ 18306' New Mexico \$ 25 73 300 400 364 150 107 107 190 800 342 214 100 344 108 342 214 100 344 108 342 214 100 345 115 157 55 60	
URFACE LOCATION Section 15 of T238 R29E COUNTY ROJECT DESCRIPTION Section 15 of T238 R29E COUNTY ROJECT DESCRIPTION Diffing. completion, facilities and pipeline costs for 7,500 <sup>+</sup> horizonta Diffing. completion, facilities and pipeline costs for 7,500 <sup>+</sup> horizonta Diffing. completion, facilities and pipeline costs for 7,500 <sup>+</sup> horizonta DI SURVEY/PERMITS/DAMAGES/LEGAL DI SURVEY/PERMITS/DAMAGES/LEGAL DI DIRVEY/PERMITS/DAMAGES/LEGAL DI DIRVEY/PERMITS/DAMAGES/LEGAL DI DIRVEY/PERMITS/DAMAGES/LEGAL DI DIRVEY/PERMITS/DAMAGES/LEGAL DI DIRVEY/PERMITS/DAMAGES/LEGAL DI DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/PERMITS/DAMAGES/LEGAL DIRVEY/DAMAGES/LEGAL DIRVEY/DAMAGES/LEGAL DIRVEY/DAMAGES/LEGAL DIRVEY/DAMAGES/LEGAL DIRVEY/DAMAGES/LEGAL DIRVEY/DAMAGES/LEGAL DIRVEY/DAMAGES/LEGAL DOWNHOLE TOOLS & SERVICE DOWNHOLE TOOLS & SERVICE DOWNHOLE TOOLS & SERVICE DOWNHOLE TOOLS & SERVICES DIRVEY/DAMAGES/LEGAL DIRVEY/DAMAGES/LE	Wolfcamp B Eddy County well DRILLING (300) \$ 25,000 73,125 30,000 40,000 364,000 100,000 192,000 192,000 192,000 100,000 34,000 108,000 90,000 90,000 40,000 40,000 150,000 8,000	DEPTH (TVD/TMD) STATE COST ESTIMATE COMPLETION (500) (COMPLETION (	10946'/ 18306' New Mexico \$ 25 73 30 40 40 364 150 107 190 80 342 214 100 342 214 100 342 214 100 342 214 100 342 214 100 342 115 55 55	
DTTOM-HOLE LOCATION         Section 10 of 723S R29E         COUNTY           Dilling.completion, facilities and pipeline costs for 7,500 horizonta         Dilling.completion, facilities and pipeline costs for 7,500 horizonta           ODE         INTANGIBLE COSTS         INTANGIBLE COSTS           01         SURVEY UPERMITS/DAMAGES/LEGAL         UCATION & ROAD           02         LOCATION & ROAD         INTANGIBLE COSTS           03         RIG MOVE         INTANGIBLE COSTS           04         DRILLING - FOOTAGE         INTANGIBLE COSTS           05         DIRLING - FOOTAGE         INTANGIBLE COSTS           05         INTELING - FOOTAGE         INTANGIBLE COSTS           05         INTELING - FOOTAGE         INTELING           06         BITS         INTELING - CONTRESTOR           07         COLI TUBING/SNUBBING UNIT         INTELING - CONTRESTOR           08         BITS         INTERNICES           10         DIRECTIONAL SERVICES         INTELING - CONTRESTOR           11         TOUL & EASE FOR MUD         INTENDITION           12         CASED HOLE LOGS         INTENDITION           14         DIRECTONAL SERVICES         INTENDITION           15         UPERVISION         INTENDITION           16 <t< th=""><th>Eddy County well</th><th>STATE COST ESTIMATE COMPLETION (500) 150,000 7,500 150,000 75,000 150,000 150,000 150,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000</th><th>New Mexico  \$ 25 73 30 40 40 364 150 107 107 190 80 342 214 100 344 108 115 900 131 87 1,800 157 55</th></t<>	Eddy County well	STATE COST ESTIMATE COMPLETION (500) 150,000 7,500 150,000 75,000 150,000 150,000 150,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	New Mexico  \$ 25 73 30 40 40 364 150 107 107 190 80 342 214 100 344 108 115 900 131 87 1,800 157 55	
Description of Expenditure           ODE         INTANGIBLE COSTS           1         SURVEY/PERMITS/DAMAGES/LEGAL           21         LICCATION & ROAD           23         IRIG MOVE           24         LICCATION & ROAD           25         DRILLING - FOOTAGE           26         DORILLING - DATWORK           27         COLI TUBING/SNUBBING UNIT           28         SLICCLINE/SWABBING           29         SILCCLINE/SWABBING           20         SLICCLINE/SWABBING UNIT           21         TOOL & EQUIPMENT RENTAL           21         TOOL & EASE FOR MUD           21         TOOL & EASE FOR MUD           21         TOOL & SAGE OLOGIST           20         DESCL. BASE FOR MUD           21         TOOL & SAGE OLOGIST           21         OCAL & BASE FOR MUD           21         THU ASTON           22         DOWNHOLE TOOLS & SERVICE           23         OTHER STIMULATION           24         FORMATION STIMULATION           25         CONNUC TOOLS & SERVICES           26         COMPANY CONSULTING/SUPV           30         COMMUNICATIONS           31         FLUIDS & CHEMICALS <tr< td=""><td>DRILLING (300) \$ 25,000 73,125 30,000 40,000 364,000 100,000 190,000 192,000 192,000 192,000 133,500 100,000 34,000 108,000 90,000 50,000 90,000 90,000 40,000 40,000 150,000</td><td>COMPLETION (500) COMPLETION (500) 150,000 7,500 150,000 75,000 150,000 131,250 37,500 1,800,000 1,800,000 67,500 15,000 60,000 15,000 60,000 15,000 1,800,000 15,000 15,000 15,000 1,800,000 15,0</td><td>73 30 40 364 150 107 190 80 342 214 100 34 214 100 34 214 100 34 214 100 34 214 100 34 215 157 55</td></tr<>	DRILLING (300) \$ 25,000 73,125 30,000 40,000 364,000 100,000 190,000 192,000 192,000 192,000 133,500 100,000 34,000 108,000 90,000 50,000 90,000 90,000 40,000 40,000 150,000	COMPLETION (500) COMPLETION (500) 150,000 7,500 150,000 75,000 150,000 131,250 37,500 1,800,000 1,800,000 67,500 15,000 60,000 15,000 60,000 15,000 1,800,000 15,000 15,000 15,000 1,800,000 15,0	73 30 40 364 150 107 190 80 342 214 100 34 214 100 34 214 100 34 214 100 34 214 100 34 215 157 55	
DDE         INTANGIBLE COSTS           1         SURVEYPERMITS/DAMAGES/LEGAL           12         LOCATION & ROAD           13         RIG MOVE           14         DRILLING - FOOTAGE           15         DRILLING - DATWORK           16         COMPLETION/USR NOVER RIG           17         COL TUBING/SNUBBING UNIT           18         SUCKURS/SWABBING           19         DIRECTIONAL SERVICES           11         CASING CREW           12         TOOL & EQUIPMENT RENTAL           10         DIRECTIONAL SERVICES           11         CASING CREW           12         TOOL & EQUIPMENT RENTAL           14         DISES           15         MUD LOGGING & GEOLOGIST           16         DISPOSAL, RESTORATION & BACKFILL           17         TRUCKING           18         TEESTING           19         CEMENTING           20         PERPORATING           21         CASE DOLE LOGS           22         DOWNHOLE TOOLS & SERVICE           23         OTHER STMULATION           24         FORMATION STIMULATION           25         CONNATY CONSULTING/SUPV           20	\$ 25,000 73,125 30,000 40,000 364,000 190,000 190,000 192,000 139,500 100,000 34,000 108,000 90,000 90,000 90,000 40,000 40,000 150,000 8,000	COMPLETION (500) COMPLETION (500) 150,000 7,500 150,000 75,000 150,000 131,250 37,500 1,800,000 1,800,000 67,500 15,000 60,000 15,000 60,000 15,000 1,800,000 15,000 15,000 15,000 1,800,000 15,0	73 30 40 364 150 107 190 80 342 214 100 34 214 100 34 214 100 34 214 100 34 214 100 34 215 157 55	
DDE         INTANGIBLE COSTS           1         SURVEYPERMITS/DAMAGES/LEGAL           21         LICATION & ROAD           23         RIG MOVE           24         DORLLING - FOOTAGE           25         DRILING - DATWORK           26         COMPLETIONANDERKOVER RIG           27         COL TUBING/SNUBBING UNIT           28         SLICKLINES/SWABBING           29         BITS           30         BITS           31         FUEL & POWER           40         DISES           31         FUEL & POWER           40         DISES           31         FUEL & POWER           41         DISES           31         FUEL & POWER           41         DISES           32         TOUR & ROAD           33         FUEL & POWER           41         DISES           43         TESTING           44         DORSONAL RESTORATION & BACKFILL           71         TRUCKING           45         CORMATION STIMULATION           45         CONTANY CONSULTING/SUPV           46         COMPANY CONSULTING/SUPV           47         CONTANY CONSULTING/SUP	\$ 25,000 73,125 30,000 40,000 364,000 190,000 190,000 192,000 139,500 100,000 34,000 108,000 90,000 90,000 90,000 40,000 40,000 150,000 8,000	COMPLETION (500) COMPLETION (500) 150,000 7,500 150,000 75,000 150,000 131,250 37,500 1,800,000 1,800,000 67,500 15,000 60,000 15,000 60,000 15,000 1,800,000 15,000 15,000 15,000 1,800,000 15,0	73 30 40 364 150 107 190 80 342 214 100 34 214 100 34 214 100 34 214 100 34 214 100 34 215 157 55	
22       LOCATION & ROAD         23       RIG MOVE         24       DRILLING - FOOTAGE         25       DRILLING - DATWORK         26       COMPLETIONAL SERVICES         27       COLI TUBING/SNUBBING UNIT         28       SUCKLINES/SWABBING         29       BITS         30       DIRECTIONAL SERVICES         11       CASING CREW         21       TOOL & ECUIPMENT RENTAL         31       FUEL & POWER         41       DIESEL - BASE FOR MUD         15       MUD LOGGING & GEOLOGIST         16       IDEPOSAL, RESTORATION & BACKFILL         17       TRUCKING         20       CASE DOLE LOGS         21       OLS & SERVICE         22       DOWNHOL E TOOLS & SERVICE         23       OTHER STIMULATION         24       FORMATION STIMULATION         25       SUPERVISION         27       CONTRACT LABOR         28       CORING & ANALYSIS         39       CURING SCHEMICALS         31       FLUIDS & CHEMICALS         32       CORING & ANALYSIS         33       COMIRG & ANALYSIS         34       BOP TESTING	73,125           30,000           40,000           364,000           100,000           190,000           80,000           192,000           139,500           100,000           34,000           139,500           100,000           34,000           108,000           90,000           90,000           40,000           40,000           8,000	7,500 150,000 75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	73 30 40 364 150 107 190 80 342 214 100 34 214 100 34 214 100 34 214 100 34 214 100 34 215 157 55	
03         RIG MOVE           04         DRILLING - FOOTAGE           05         DRILLING - FOOTAGE           06         COUNPLETION/WORKOVERIG           07         COIL TUBING/SNUBBING UNIT           08         LICKLINE/SWABBING           09         BITS           10         DIRECTIONAL SERVICES           11         CASING GREW           12         TOOL & EQUIPMENT RENTAL           13         FUEL & POWER           14         DESEL - BASE FOR MUD           15         MUD LOGGING & GEOLOGIST           16         DISPOSAL, RESTORATION & BACKFILL           17         TRUCKING           18         TESTING           21         CASED HOLE LOGS           22         DOWNHOLE TOOLS & SERVICE           23         OTHER STIMULATION           24         FORMATION STMULATION           25         CONSULTING SERVICES           28         OTHER LABOR           20         COMPANY CONSULTING/SUPV           30         WATER           31         FLUDS & CHEMICALS           32         CORMANY CONSULTING/SUPV           33         COMMUNICATIONS           34         BOP TEST	30,000 40,000 364,000 190,000 80,000 192,000 139,500 100,000 34,000 108,000 90,000 90,000 90,000 40,000 40,000 150,000 8,000	7,500 150,000 75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	300 40 364 150 107 190 80 342 214 100 342 214 100 342 214 100 34 108 115 90 131 157 55	
94       DRILING - FOOTAGE         95       DRILLING - DAYWORK         96       COMPLETION/WORKOVER RIG         97       COL TUBING/SNUBBING UNIT         98       SLICKLINESWABBING         99       BITS         90       BITS         91       DIRECTIONAL SERVICES         11       CASING CREW         12       TOOL & EOUIPMENT RENTAL         14       DIESEL-BASE FOR MUD         15       MUD LOGGING & GEOLOGIST         16       DISPOSAL, RESTORATION & BACKFILL         17       TRUCKING         18       TESTING         20       CASED HOLE LOGS         21       OTHER STMULATION         22       DOWNHOLE TOOLS & SERVICE         23       OTHER STMULATION         24       FORMATION STMULATION         25       CONSULTING SERVICES         26       SUPERVISION         27       CONTRACT LABOR         28       OTHER LABOR         29       COMPANY CONSULTING/SUPV         30       WATER         31       FLUIDS & CHEMICALS         20       CORING & ANALYSIS         32       CORING & ANALYSIS         33	40,000 364,000 100,000 190,000 80,000 192,000 139,500 100,000 34,000 108,000 90,000 90,000 40,000 40,000 150,000 8,000	7,500 150,000 75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	40 364 150 107 190 80 342 214 100 34 108 115 90 131 	
55         DRILING - DAYWORK           56         COMPLETIONWORKOVER RIG           57         COIL TUBING/SNUBBING UNIT           58         LICKLINE/SWABBING           59         BITS           50         DIRECTIONAL SERVICES           11         CASING GREW           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         CONNATION STMULATION           21         CONNATION STMULATION           22         DOWNHOLE TOOLS & SERVICE           20         CONNATON STMULATION           24         FORMATION STMULATION           25         CONDET COLS & SERVICES           26         COMPANY CONSULTIN/SUPV           20         COMPANY CONSULTIN/SUPV           20         COMPANY CONSULTIN/SUPV           20         COMPANY CONSULTIN/SUPV           30         COMMUNCATIONS           31         FLUIDS & CHEMICALS	364,000 100,000 190,000 80,000 139,500 100,000 34,000 90,000 90,000 90,000 40,000 40,000 150,000 8,000	7,500 150,000 75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	364 150 107 190 80 342 214 100 344 108 115 157 1,800 157 55	
7         COLL TUBING/SNUBBING UNIT           8         SLUCKLINE/SWABBING           9         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           10         DEREFORATING           10         DEREFORATING           10         DEVENTORATING           11         CASED HOLE LOGS           12         DOWNHOLE TOOLS & SERVICES           13         OTHER STIMULATION           14         FORMATION STIMULATION           15         CONPARY CONSULTIN/SUPV           16         MUTENT CONSTRUCES           16         COMPARY CONSULTIN/SUPV           17         FUIDS & CHEMICALS           18         COPTESTING           19         COMPARY CONSULTIN/SUPV           10         WEEL           10         MUTENT & SERVICES	190,000 80,000 192,000 139,500 100,000 34,000 108,000 90,000 90,000 90,000 40,000 40,000 150,000 8,000	7,500 150,000 75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	107 190 80 342 214 100 34 108 115 90 131 87 90 131 157 55	
8         SUCKLINE/SWABBING           9         BITS           90         BITS           91         COL& SCUIPMENT RENTAL           12         TOOL & EQUIPMENT RENTAL           13         FUEL & POWER           14         DESEL & ASE FOR NUD           15         MUD LOGGING & GEOLOGIST           16         DISPOSAL, RESTORATION & BACKFILL           17         TRUCKING           18         TESTING           19         CEMENTING           10         PERFORATING           11         CASED HOLE LOGS           20         DOWNHOLE TOOLS & SERVICE           21         OTHER STMULATION           22         DOWNHOLE TOOLS & SERVICE           23         OTHER STMULATION           24         FORMATION STIMULATION           25         SUPERVISION           27         CONTRACT LABOR           28         OTHER LABOR           29         COMPANY CONSULTING/SUPV           30         WATER           31         FLUIDS & CHEMICALS           32         CONNUCATIONS           34         BOT TESTING           35         COMENALICATIONS           34<	190,000 80,000 192,000 139,500 100,000 34,000 108,000 90,000 90,000 90,000 40,000 40,000 150,000 8,000	7,500 150,000 75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	107 190 80 342 214 100 34 108 115 90 131 87 90 131 157 55	
98         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           19         CERENTING           19         CERENTING           10         DEPERFORATING           10         DEPERFORATING           10         DEPERFORATING           10         DEPERFORATING           10         DEPERFORATING           11         CONTACTON STMULATION           12         CONNINC TIONS SERVICES           13         ODTHER STIMULATION           14         FOURD SCHESS           15         CONTACT LABOR           16         COMPANY CONSULTING/SUPV           17         CONTACT LABOR           18         ODTHER SCHEMCALS           17         CONTACT LABOR           17         INSPECTIONS           18         WIRELINE SERVICES           19         ENGINEERING & GEOLOGY - OFFICE	190,000 80,000 192,000 139,500 100,000 34,000 108,000 90,000 90,000 90,000 40,000 40,000 150,000 8,000	150,000 75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	190 80 342 214 100 34 108 115 90 131 131 87 1,800 155 55	
0       DIRECTIONAL SERVICES         1       CASING CREW         2       TOOL & EQUIPMENT RENTAL         3       FUEL & POWER         4       DIESEL - BASE FOR MUD         5       MUD LOGGING & GEOLOGIST         6       DISPOSAL, RESTORATION & BACKFILL         7       TRUCKING         8       TESTING         9       CERENTING         9       CERENTING         10       PERFORATING         11       CASED HOLE LOGS         2       DOWNHOLE TOOLS & SERVICE         3       OTHER STIMULATION         4       FORMATION STIMULATION         55       SUPERVISION         77       CONTRACT LABOR         80       OTHER LABOR         80       COMPANY CONSULTING/SUPV         90       WATER         91       FULIDS & CHEMICALS         92       CORING & ANALYSIS         93       COMMUNICATIONS         94       BOP TESTING         95       ENGINEERING & GEOLOGY - FIELD         96       ENGINEERING & GEOLOGY - FIELD         91       ENGINEERING & GEOLOGY - FIELD         92       ENGINEERING & GEOLOGY - FIELD	190,000 80,000 192,000 139,500 100,000 34,000 108,000 90,000 90,000 90,000 40,000 40,000 150,000 8,000	150,000 75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	190 80 342 214 100 34 108 115 90 131 131 87 1,800 155 55	
11       CASING CREW         22       TOOL & EQUIPMENT RENTAL.         24       TOOL & EQUIPMENT RENTAL.         25       TOOL & EQUIPMENT RENTAL.         26       IDESEL - BASE FOR MUD         26       MUD LOGGING & GEOLOGIST         26       DISPOSAL, RESTORATION & BACKFILL         27       TRUCKING         28       TESTING         29       CEMENTING         20       DOWNHOLE TOOLS & SERVICE         20       DOWNHOLE TOOLS & SERVICE         20       DOWNHOLE TOOLS & SERVICES         20       CONDATO STIMULATION         24       FORMATION STIMULATION         25       CONDATO LADOR         20       CONTARY CONSULTING/SUPV         20       WATER         21       FLUIDS & CHEMICALS         22       CORING & ANALYSIS         23       CORING & CHEMICALS         21       CORING & ANALYSIS         23       CORING & GEOLOGY - FIELD         20       ENVERSING & GEOLOGY - FIELD         21       ENVERSING & GEOLOGY - FIELD         22       CASING - CONDUCTOR         24       SAFETY EQUIPMENT & H2S         35       CONIPAS & TRAILERS <tr< td=""><td>80,000 192,000 139,500 100,000 34,000 108,000 85,000 90,000 90,000 90,000 40,000 150,000 8,000</td><td>75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000</td><td>80 342 214 100 34 108 115 90 131 131 87 1,800 155 55</td></tr<>	80,000 192,000 139,500 100,000 34,000 108,000 85,000 90,000 90,000 90,000 40,000 150,000 8,000	75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	80 342 214 100 34 108 115 90 131 131 87 1,800 155 55	
13         FUEL & POWER           44         DIESEL - BASE FOR MUD           5         MUD LOGGING & GEOLOGIST           6         DISPOSAL, RESTORATION & BACKFILL           7         TRUCKING           8         TESTING           9         CEMENTING           9         CEMENTING           9         CEMENTING           9         CECMENTING           9         CORTONE TOOLS & SERVICE           2         DOWNHOLE TOOLS & SERVICE           2         DOWNHOLE TOOLS & SERVICES           2         DOWNHOLT TON SE & SERVICES           6         CONDUTING SERVICES           7         CONTRACT LABOR           8         OTHER LABOR           9         COMPANY CONSULTING/SUPV           9         COMPANY CONSULTING/SUPV           9         COMING ATUROSENVICES           10         WATER           11         FLUIDS & CHEMICALS           2         CORING & SERVICES           13         COMMUNICATIONS           2         CORING & GEOLOGY - FIELD           0         ENGINEERING & GEOLOGY - OFFICE           11 <multishce services<="" td="">           12         CAMPAS &amp; TRAILERS     <!--</td--><td>139,500 100,000 34,000 85,000 90,000 50,000 90,000 40,000 40,000 150,000 8,000</td><td>75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000</td><td>214 100 34 108 115 90 131 87 1,800 15 157</td></multishce>	139,500 100,000 34,000 85,000 90,000 50,000 90,000 40,000 40,000 150,000 8,000	75,000 30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	214 100 34 108 115 90 131 87 1,800 15 157	
44       DESEL - BASE FOR MUD         55       MUD LOGGING & GEOLOGIST         66       DISPOSAL, RESTORATION & BACKFILL         77       TRUCKING         81       TESTING         92       CEMENTING         93       CEMENTING         94       CASED HOLE LOGS         95       OTHER STMULATION         94       FORMATION STMULATION         95       CONSULTING SERVICES         96       SUPERVISION         97       CONTRACT LABOR         98       OTHER LABOR         99       COMPANY CONSULTING/SUPV         90       WATER         91       FLUDS & CHEMICALS         92       CONNUNCATIONS         93       COMUNICATIONS         94       BOP TESTING         95       ENGINEERING & GEOLOGY - OFFICE         96       ENGINEERING & GEOLOGY - OFFICE         91       MUITENT & GEOLOGY - OFFICE         91       MUITENT & GEOLOGY - OFFICE         91       MULTENT & GEOLOGY - OFFICE         91       MULTENT & GEOLOGY - OFFICE         91       MULTENT & GEOLOGY - OFFICE         92       REINTRY SERVICES         93       GACHOPS & T	100,000 34,000 108,000 85,000 90,000 50,000 90,000 40,000 150,000 8,000	30,000 131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	100 34 108 115 90 131 87 1,800 15 157 55	
5         MUD LOGGING & GEOLOGIST           6         DISPOSAL, RESTORATION & BACKFILL           7         TRUCKING           8         TESTING           9         CEMENTING           10         PERFORATING           11         CASED HOLE LOGS           20         DOWNHOLE TOOLS & SERVICE           30         OTHER STIMULATION           41         FORMATION STIMULATION           45         FORMATION STIMULATION           45         CONSULTING SERVICES           6         SUPERVISION           71         CONTRACT LABOR           80         OTHER LABOR           90         COMPANY CONSULTING/SUPV           00         WATER           11         FLUIDS & CHEMICALS           20         CORING & ANALYSIS           31         COMMUNCATIONS           4         BOP TESTING           6         FIRHING TOOLS & SERVICES           9         ENGINEERING & GEOLOGY - OFFICE           11         MULTISHOT & GYRO           21         RE-ENTRY SERVICES           9         ENGINEERING & GEOLOGY - OFFICE           10         MULTISHOT & GYRO           21         RE-ENTRY SE	34,000 108,000 85,000 90,000 50,000 90,000 40,000 40,000 150,000 8,000	131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	34 108 115 90 131 87 1,800 15 157 55	
7       TRUCKING         8       TESTING         9       CEMENTING         10       PERFORATING         11       CASED HOLE LOGS         2       DOWNHOLE TOOLS & SERVICE         3       OTHER STIMULATION         14       FORMATION STIMULATION         15       CONSULTING SERVICES         16       SUPERVISION         17       CONTRACT LABOR         18       OTHER LABOR         19       COMPANY CONSULTING/SUPV         10       WATER         11       FLUIDS & CHEMICALS         12       CORING & ANALYSIS         13       COMMUNICATIONS         14       BOP TESTING         15       EOGIMEERING & GEOLOGY - FIELD         16       FISHING SECUCES         17       INSPECTIONS         18       WIRELINE SERVICES         19       ENGINEERING & GEOLOGY - FIELD         10       ENGINEERING & GEOLOGY - OFFICE         11       MULTISHOT & GYRO         14       SAFETY EQUIPMENT & H2S         15       CONTINGENCY         16       INSURANCE         17       MISCELANEOUS         19       SIM-OPS </td <td>85,000 90,000 50,000 90,000 40,000 40,000 150,000 8,000</td> <td>131,250 37,500 1,800,000 15,000 67,500 15,000 60,000</td> <td>115 90 131 87 1,800 15 157 55</td>	85,000 90,000 50,000 90,000 40,000 40,000 150,000 8,000	131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	115 90 131 87 1,800 15 157 55	
8 TESTING 9 CEMENTING 9 COMENTING SERVICE 10 CONSULTING SERVICE 13 OTHER STIMULATION 14 FORMATION STIMULATION 15 CONSULTING SERVICES 15 CONSULTING SERVICES 16 SUPERVISION 17 CONTRACT LABOR 18 OTHER LABOR 19 COMPANY CONSULTING/SUPV 10 WATER 11 FLUIDS & CHEMICALS 12 CORING & ANALYSIS 13 COMMUNICATIONS 14 BOP TESTING 16 FISHING TOOLS & SERVICES 17 INSPECTIONS 18 WIRELINE SERVICES 13 CAMPS & SERVICES 13 CAMPS & GEOLOGY - FIELD 10 ENGINEERING & GEOLOGY - FIELD 10 ENGINEERING & GEOLOGY - FIELD 10 ENGINEERING & GEOLOGY - OFFICE 11 MULTISHOT & GYRO 12 RE-ENTRY SERVICES 13 CAMPS & TRAILERS 14 SAFETY EQUIPMENT & H2S 15 CONTINGENCY 16 INSURANCE 17 MISCELLANEOUS 19 SIM-OPS 17 OTAL INTANGIBLE COSTS 17 CASING - INTERMEDIATE 2 17 CASING - INTERMEDIATE 2 15 CASING - PRODUCTOR 16 SUBSURFACE EQUIPMENT 17 PRODUCTION TUBING 18 SUBSURFACE EQUIPMENT 19 WELLHEAD EQUIPMENT 19 WELLHEAD EQUIPMENT 19 WELLHEAD EQUIPMENT 10 FLOWING EQUIPMENT 11 FLOWING EQUIPMENT 12 LINER ASSOC EQUIP 13 VALVES A FITTINGS 14 RADISE A TRAILERS 15 CASING - INTERMEDIATE 2 15 CASING - SUBFACE EQUIPMENT 15 PRODUCTION TUBING 15 CASING - SUBFACE EQUIPMENT 15 PRODUCTION FUBING 15 CASING - SUBFACE EQUIPMENT 15 PRODUCTION FUBING 15 RODS 15 ROD	90,000 50,000 90,000 40,000 40,000 150,000 8,000	131,250 37,500 1,800,000 15,000 67,500 15,000 60,000	90 131 87 1,800 15 157 55	
9         CEMENTING           0         PERFORATING           1         CASED FOLE LOGS           2         DOWNHOLE TOOLS & SERVICE           3         OTHER STIMULATION           4         FORMATION STIMULATION           5         CONSULTING SERVICES           6         SUPERVISION           7         CONTRACT LABOR           8         OTHER LABOR           9         COMPANY CONSULTING/SUPV           00         WATER           11         FLUIDS & CHEMICALS           2         CORING & ANALYSIS           3         COMMUNICATIONS           4         BOP TESTING           6         FISHING TOOLS & SERVICES           18         WIRELINE SERVICES           19         ENGINEERING & GEOLOGY - FIELD           0         ENGINEERING & GEOLOGY - OFFICE           11         MULTISHOT & GYRO           22         RE-ENTRY SERVICES           33         COMINGENCY           0         ENGINEERING & GEOLOGY - OFFICE           11         MULTISHOT & GYRO           22         RE-ENTRY SERVICES           3         CAMPS & TRAILERS           4         SAFET YEQUIPMENT & H2	50,000 90,000 40,000 40,000 150,000 8,000	37,500 1,800,000 15,000 67,500 15,000 60,000	131 87 1,800 15 157 55	
0         PERFORATING           10         CASED HOLE LOGS           2         DOWNHOLE TOOLS & SERVICE           30         OTHER STIMULATION           44         FORMATION STIMULATION           55         CONSULTING SERVICES           68         SUPERVISION           77         CONTRACT LABOR           68         OTHER LABOR           70         WATER           71         FULDS & CHEMICALS           72         CONING & ANALYSIS           73         COMMUNICATIONS           74         BOP TESTING           76         FISHING TOOLS & SERVICES           77         INSPECTIONS           78         WIRELINE SERVICES           70         INSPECTIONS           70         EGOLOGY - FIELD           70         ENGINEERING & GEOLOGY - FIELD           70         ENGINEERING & GEOLOGY - FIELD           70         ENGINEERING & GEOLOGY - FIELD           71         INSPECTIONS           72         CANTRA & TRAILERS           73         CAMPS & TRAILERS           74         SAFETY EQUIPMENT & H2S           75         CONTINGERCY           70         INTERMEDIATE	50,000 90,000 40,000 40,000 150,000 8,000	37,500 1,800,000 15,000 67,500 15,000 60,000	131 87 1,800 15 157 55	
11         CASED HOLE LOGS           21         DOWNHOLE TOOLS & SERVICE           23         OTHER STIMULATION           25         CONSULTING SERVICES           26         SUPERVISION           27         CONTRACT LABOR           28         OTHER LABOR           29         COMPANY CONSULTING/SUPV           00         WATER           11         FLUDS & CHEMICALS           22         CORING & ANALYSIS           33         COMMUNICATIONS           44         BOP TESTING           36         BUFERTING & GEOLOGY - FIELD           36         BINSPECTIONS           37         INSPECTIONS           38         WIRELINE SERVICES           39         ENGINEERING & GEOLOGY - FIELD           30         ENGINEERING & GEOLOGY - OFFICE           31         MULTSHOT & GYRO           21         RE-ENTRY SERVICES           31         CAMPS & TRAILERS           42         SAFETY EQUIPMENT & H2S           55         CONTINGENCY           30         SIM-OPS           31         CASING - INTERMEDIATE           32         CASING - SURFACE           33         CASING - INTERM	90,000 40,000 40,000 150,000 8,000	37,500 1,800,000 15,000 67,500 15,000 60,000	87 1,800 15 157 55	
33       OTHER STIMULATION         24       FORMATION 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         32       COMMUNICATIONS         34       BOP TESTING         36       FISHING TOOLS & SERVICES         37       INSPECTIONS         38       WIRELINE SERVICES         39       ENGINEERING & GEOLOGY - FIELD         40       ENGINEERING & GEOLOGY - OFFICE         41       MULTISOT & GYRO         42       RE-ENTRY SERVICES         33       CONTINGENCY         44       SAFETY EQUIPMENT & H2S         45       CONTINGENCY         46       INSURANCE         47       MISCELANEOUS         38       SIM-OPS         40       CASING - CONDUCTOR         42       CASING - SURFACE         44       CASING - INTERMEDIATE         45 <td>90,000 40,000 40,000 150,000 8,000</td> <td>1,800,000 15,000 67,500 15,000 60,000</td> <td>1,800 15 157 55</td>	90,000 40,000 40,000 150,000 8,000	1,800,000 15,000 67,500 15,000 60,000	1,800 15 157 55	
24         FORMATION STIMULATION           25         CONSULTING SERVICES           26         SUPERVISION           27         CONTRACT LABOR           28         OTHER LABOR           29         COMPANY CONSULTING/SUPV           30         WATER           31         FLUIDS & CHEMICALS           22         CORINO & ANALYSIS           32         CORINO & ANALYSIS           33         CORINO & SERVICES           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           313         CAMPS & TRAILERS           32         CAMPS & TRAILERS           33         CONDUCTOR           33         CONDUCTOR           34         SAFETY EQUIPMENT           35         CASING - INTERMEDIATE 2           35         CASING - INTERMEDIATE 2           36 <td< td=""><td>40,000 40,000 150,000 8,000</td><td>15,000 67,500 15,000 60,000</td><td>15 157 55</td></td<>	40,000 40,000 150,000 8,000	15,000 67,500 15,000 60,000	15 157 55	
55       CONSULTING SERVICES         68       SUPERVISION         72       CONTRACT LABOR         88       OTHER LABOR         90       COMPANY CONSULTING/SUPV         91       COMPANY CONSULTING/SUPV         92       COMPANY CONSULTING/SUPV         94       ONTHER LABOR         95       COMMUNCATIONS         96       FISHING TOOLS & SERVICES         97       INSPECTIONS         98       BOP TESTING         99       ENGINEERING & GEOLOGY - FIELD         90       ENGINEERING & GEOLOGY - OFFICE         11       MULTISHOT & GYRO         21       RE-ENTRY SERVICES         31       CAMPS & TRAILERS         41       SAFETY EQUIPMENT & H2S         52       CONTINGENCY         64       INSURANCE         70       MISCELLANEOUS         91       SIM-OPS         70       TOTAL INTANGIBLE COSTS         70       TOTAL INTANGIBLE COSTS         71       CASING - INTERMEDIATE 2         72       CASING - INTERMEDIATE 2         73       CASING - INTERMEDIATE 2         74       CASING - INTERMEDIATE 2         75       CASING - INT	40,000 40,000 150,000 8,000	15,000 67,500 15,000 60,000	15 157 55	
66       SUPERVISION         77       CONTRACT LABOR         80       OTHER LABOR         90       COMPANY CONSULTING/SUPV         90       WATER         11       FLUIDS & CHEMICALS         22       CORING & ANALYSIS         31       COMMUNICATIONS         41       BOP TESTING         61       FISHING TOOLS & SERVICES         71       INSPECTIONS         80       WIRELINE SERVICES         91       ENGINEERING & GEOLOGY - FIELD         92       ENGINEERING & GEOLOGY - OFFICE         11       MULTISHOT & GYRO         92       RE-ENTRY SERVICES         13       CAMPS & TRAILERS         14       SAFETY FQUIPMENT & H2S         15       CONTINGENCY         16       INSURANCE         17       MISCELLANEOUS         19       SIM-OPS         11       CASING - CONDUCTOR         12       CASING - SURFACE         13       CASING - INTERMEDIATE 2         14       CASING - INTERMEDIATE 2         15       CASING - PODOUCTION / LINER         16       SUBSURFACE PUMPING EQUIPMENT         17       PRODUCTION TUBING	40,000 40,000 150,000 8,000	67,500 15,000 60,000	157 55	
7       CONTRACT LABOR         8       OTHER LABOR         9       COMPANY CONSULTING/SUPV         0       WATER         11       FLUIDS & CHEMICALS         2       CORING & ANALYSIS         3       COMMUNICATIONS         4       BOP TESTING         6       FISHING TOOLS & SERVICES         71       INSPECTIONS         8       WIRELINE SERVICES         9       ENGINEERING & GEOLOGY - OFFICE         11       MULTISHOT & GYRO         2       RE-ENTRY SERVICES         3       CAMPS & TRALERS         4       SAFETY EQUIPMENT & H2S         5       CONTINGENCY         10       INSURANCE         17       MISCELLANEOUS         18       SIM-OPS         11       CASING - CONDUCTOR         2       CASING - SURFACE         30       CASING - INTERMEDIATE 2         41       CASING - INTERMEDIATE 2         42       CASING - SURFACE         31       CASING - INTERMEDIATE 2         43       CASING - INTERMEDIATE 2         44       CASING - INTERMEDIATE 2         45       CASING - INTERMEDIATE 2	40,000 40,000 150,000 8,000	15,000 60,000	55	
9 COMPANY CONSULTING/SUPV 0 WATER 1 FLUIDS & CHEMICALS 2 CORING & ANALYSIS 3 COMMUNICATIONS 4 BOP TESTING 6 FISHING TOOLS & SERVICES 7 INSPECTIONS 8 WIRELINE SERVICES 9 ENGINEERING & GEOLOGY - FIELD 0 ENGINEERING & GEOLOGY - OFFICE 1 MULTISHOT & GYRO 2 RE-ENTRY SERVICES 3 CAMPS & TRAILERS 4 SAFETY EQUIPMENT & H2S 5 CONTINGENCY 6 INSURANCE 7 MISCELLANEOUS 9 SIM-OPS 1 CASING - CONDUCTOR 2 CASING - SURFACE 1 CASING - INTERMEDIATE 4 CASING - INTERMEDIATE 4 CASING - INTERMEDIATE 5 CONDUCTION / LINER 6 SUBSURFACE EQUIPMENT 7 PRODUCTION TUBING 8 SUBSURFACE PUMPING EQUIPMENT 9 WELLHEAD EQUIPMENT 9 WELLHEAD EQUIPMENT 9 WELLHEAD EQUIPMENT 9 WELLHEAD EQUIPMENT 9 KINGEN 1 CASING ARDING 8 SUBSURFACE PUMPING EQUIPMENT 9 WELLHEAD EQUIPMENT 9 KINGEN 9 SUBSURFACE PUMPING EQUIPMENT 9 KINGEN 9 TRUCKING 1 SURFACE PUMPING EQUIPMENT 9 TRUCKING 1 SURFACE PUMPING EQUIPMENT 9 TRUCKING 1 SURFACE PUMPING EQUIPMENT 9 TRUCKING 1 RUCKING 1 RUCKING 1 RUCKING 1 RECELLANEOUS 9 TANGIBLE COSTS 1 TRUCKING 1 RUCKING 1 RODUCTION TUBING 1 RODUCTION EQUIPMENT 1 CASING EQUIPMENT 1 CASING EQUIPMENT 2 LINER HANGER & ASSOC EQUIP 3 VALVES & FITTINGS 5 RODS 7 TRUCKING 9 TANGIBLE EQUIP.ACQUISITIONS 1 TOTAL INTANGIBLE COSTS 1 CASING EQUIPMENT 4 PRODUCTION EQUIPMENT 4 PRODUCTION EQUIPMENT 4 PRODUCTION EQUIPMENT 5 TOTAL INTANGIBLE COSTS 1 CASING EQUIPMENT 4 PRODUCTION EQUIPMENT 4 PRODUCTION EQUIPMENT 5 TOTAL INTANGIBLE COSTS 1 CASING EQUIPMENT 4 PRODUCTION EQUIPMENT 5 CASING EQ	150,000 8,000	,	60	
0       WATER         11       FLUIDS & CHEMICALS         2       CORING & ANALYSIS         33       COMMUNICATIONS         44       BOP TESTING         66       FISHING TOOLS & SERVICES         71       INSPECTIONS         88       WIRELINE SERVICES         99       ENGINEERING & GEOLOGY - FIELD         00       ENGINEERING & GEOLOGY - OFFICE         11       MULTISHOT & GYRO         22       RE-ENTRY SERVICES         31       CAMPS & TRAILERS         42       SAFETY EQUIPMENT & H2S         45       CONTINGENCY         46       INSURANCE         47       MISCELLANEOUS         48       SAFETY EQUIPMENT & H2S         45       CONTINGENCY         46       INSURANCE         47       MISCELLANEOUS         48       SIM-OPS         TOTAL INTANGIBLE COSTS       TOTAL INTANGIBLE COSTS         40       CASING - CONDUCTOR         42       CASING - SURFACE         43       CASING - INTERMEDIATE 2         44       CASING - NTOMENTENDIATE 2         45       CASING - NTOMENTENT         46       SUBSURFACE EQUIPMENT	150,000 8,000	637,500		
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         40       CASING - CONDUCTOR         41       CASING - CONDUCTOR         42       CASING - INTERMEDIATE         44       CASING - INTERMEDIATE 2         45       CASING - PRODUCTION / LINER         46       SUBSURFACE PUMPING EQUIPMENT         47       PRODUCTION TUBING         48       SUBSURFACE PUMPING EQUIPMENT         44       CASING - INTERMEDIATE         44       CASING - PRODUCTION / LINER         <	150,000 8,000	637,500	677	
22       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         22       RE-ENTRY SERVICES         33       CAMPS & TRAILERS         44       SAFETY EQUIPMENT & H2S         45       CONTINGENCY         46       INSURANCE         47       MISCELLANEOUS         48       SIM-OPS         49       SIM-OPS         40       TANGIBLE COSTS         41       CASING - CONDUCTOR         42       CASING - SURFACE         43       CASING - INTERMEDIATE 2         44       CASING - PRODUCTION / LINER         45       CASING - PRODUCTION / LINER         46       SUBSURFACE EQUIPMENT         47       PRODUCTION TUBING         48       SUBSURFACE PUMPING EQUIPMENT         49       WELLHEAD EQUIPMENT         40       FLODE QUIPMENT	8,000		677 150	
44       BOP TESTING         64       FISHING TOOLS & SERVICES         7       INSPECTIONS         8       WIRELINE SERVICES         9       ENGINEERING & GEOLOGY - FIELD         0       ENGINEERING & GEOLOGY - OFFICE         1       MULTISHOT & GYRO         2       RE-ENTRY SERVICES         3       CAMPS & TRAILERS         4       SAFETY EQUIPMENT & H2S         5       CONTINGENCY         6       INSURANCE         7       MISCELLANEOUS         9       SIM-OPS         TOTAL INTANGIBLE COSTS         1       CASING - CONDUCTOR         2       CASING - SURFACE         3       CASING - SURFACE         3       CASING - INTERMEDIATE 2         4       CASING - INTERMEDIATE 2         5       CASING - PRODUCTION / LINER         6       SUBSURFACE EQUIPMENT         7       PRODUCTION TUBING         8       SUBSURFACE PUMPING EQUIPMENT         9       WELLHEAD EQUIPMENT         9       WELHHEAD EQUIPMENT         1       SURFACE PUMPING EQUIPMENT         1       SURFACE PUMPING EQUIPMENT         1       SURFACE PUMPING EQUIPMENT <td>,</td> <td></td> <td>100</td>	,		100	
66       FISHING TOOLS & SERVICES         77       INSPECTIONS         88       WIRELINE SERVICES         99       ENGINEERING & GEOLOGY - OFFICE         11       MULTISHOT & GYRO         22       RE-ENTRY SERVICES         31       CAMPS & TRAILERS         42       SAFETY EQUIPMENT & H2S         55       CONTINGENCY         66       INSURANCE         77       MISCELLANEOUS         99       SIM-OPS         7       TOTAL INTANGIBLE COSTS         7       TOTAL INTANGIBLE COSTS         7       CASING - CONDUCTOR         2       CASING - SURFACE         31       CASING - INTERMEDIATE         42       CASING - INTERMEDIATE         43       CASING - PODUCTION / LINER         44       CASING - INTERMEDIATE 2         45       CASING - PODUCTION / LINER         46       SUBSURFACE PUMPING EQUIPMENT         47       PRODUCTION TUBING         48       SUBSURFACE PUMPING EQUIPMENT         49       WELLHEAD EQUIPMENT         41       SUBSURFACE PUMPING EQUIPMENT         42       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS      <	15 000	15,000	23	
77       INSPECTIONS         88       WIRELINE SERVICES         99       ENGINEERING & GEOLOGY - FIELD         00       ENGINEERING & GEOLOGY - OFFICE         11       MULTISHOT & GYRO         22       RE-ENTRY SERVICES         31       CAMPS & TRAILERS         42       SAFETY EQUIPMENT & H2S         52       CONTINGENCY         56       INSURANCE         7       MISCELLANEOUS         59       SIM-OPS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TOTAL INTANGIBLE COSTS         CONDUCTION / LINER         GASING - INTERMEDIATE 2         CASING - PODUCTION / LINER         SUBSURFACE PUMPING EQUIPMENT <td>13,000</td> <td>15,000</td> <td>30</td>	13,000	15,000	30	
88       WIRELINE SERVICES         99       ENGINEERING & GEOLOGY - FIELD         10       EINGINEERING & GEOLOGY - OFFICE         11       MULTISHOT & GYRO         21       RE-ENTRY SERVICES         13       CAMPS & TRAILERS         14       SAFETY EQUIPMENT & H2S         15       CONTINGENCY         16       INSURANCE         17       MISCELLANEOUS         18       SIM-OPS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TANGIBLE COSTS         TOTAL INTERMEDIATE         CASING - CONDUCTOR         CASING - INTERMEDIATE 2         CASING - INTERMEDIATE 2         CASING - INTERMEDIATE 2         CASING - INTERMEDIATE 2         CASING - PRODUCTION / LINER         05       SUBSURFACE EQUIPMENT         07       PRODUCTION TUBING         08       SUBSURFACE PUMPING EQUIPMENT         09       WELLHEAD EQUIPMENT         10       FLOWLINES         11       SURFACE PUMPING EQUIPMENT         12       LINER HANGER & ASSOC EQUIP         13       VALVES & FITTINGS         <	10,000	7,500	17	
00       ENGINEERING & GEOLOGY - OFFICE         11       MULTISHOT & GYRO         12       RE-ENTRY SERVICES         13       CAMPS & TRAILERS         14       SAFETY EQUIPMENT & H2S         15       CONTINGENCY         16       INSURANCE         17       MISCELLANEOUS         19       SIM-OPS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         CASING - SURFACE         CONDUCTOR         CASING - SURFACE         CONDUCTOR         CASING - INTERMEDIATE         CASING - PRODUCTION / LINER         SUBSURFACE EQUIPMENT         PRODUCTION TUBING         SUBSURFACE PUMPING EQUIPMENT         SUPACE <td>10,000</td> <td>1,000</td> <td></td>	10,000	1,000		
11       MULTISHOT & GYRO         12       RE-ENTRY SERVICES         13       CAMPS & TRAILERS         14       SAFETY EQUIPMENT & H2S         15       CONTINGENCY         16       INSURANCE         17       MISCELLANEOUS         19       SIM-OPS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         CASING - SURFACE         SIM-OPS         CASING - INTERMEDIATE         CASING - INTERMEDIATE         CASING - PRODUCTION / LINER         SUBSURFACE PUMPING EQUIPMENT         SUBSURFACE PUMPING EQUIPMENT         SUBSURF				
12       RE-ENTRY SERVICES         13       CAMPS & TRAILERS         14       SAFETY EQUIPMENT & H2S         15       CONTINGENCY         16       INSURANCE         17       MISCELLANEOUS         19       SIM-OPS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TOTAL INTANGIBLE COSTS         CASING - CONDUCTOR         12       CASING - SURFACE         13       CASING - INTERMEDIATE         14       CASING - INTERMEDIATE 2         15       CASING - INTERMEDIATE 2         16       SUBSURFACE EQUIPMENT         17       PRODUCTION / LINER         16       SUBSURFACE EQUIPMENT         17       PRODUCTION TUBING         18       SUBSURFACE PUMPING EQUIPMENT         19       WELLHEAD EQUIPMENT         10       FLOWLINES         11       SURFACE PUMPING EQUIPMENT         12       LINER HANGER & ASSOC EQUIP         13       VALVES & FITTINGS         15       RODS         17       TRUCKING         10       RE-ENTRY EQUIPMENT         13       VALVES & FITTINGS         14<	15,000		15	
3       CAMPS & TRAILERS         14       SAFETY EQUIPMENT & H2S         15       CONTINGENCY         16       INSURANCE         17       MISCELLANEOUS         19       SIM-OPS         TOTAL INTANGIBLE COSTS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TANGIBLE COSTS         CASING - CONDUCTOR         12       CASING - INTERMEDIATE         13       CASING - INTERMEDIATE 2         14       CASING - INTERMEDIATE 2         15       CASING - PRODUCTION / LINER         16       SUBSURFACE EQUIPMENT         17       PRODUCTION TUBING         18       SUBSURFACE PUMPING EQUIPMENT         19       WELLHEAD EQUIPMENT         10       FLOWLINES         11       SURFACE PUMPING EQUIPMENT         12       LINER HANGER & ASSOC EQUIP         13       VALVES & FITTINGS         15       RODS         17       TRUCKING         18       VALVES & FITTINGS         19       RE-ENTRY EQUIPMENT         14       PRODUCTION EQUIPMENT         15       RODS         17 <t< td=""><td></td><td></td><td></td></t<>				
14       SAFETY EQUIPMENT & H2S         15       CONTINGENCY         16       INSURANCE         17       MISCELLANEOUS         19       SIM-OPS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TANGIBLE COSTS         TANGIBLE COSTS         TANGIBLE COSTS         CASING - CONDUCTOR         CASING - SURFACE         CASING - INTERMEDIATE         CASING - INTERMEDIATE 2         CASING - PRODUCTION / LINER         ASUBSURFACE EQUIPMENT 2         CASING - PRODUCTION / LINER         ASUBSURFACE PUMPING EQUIPMENT         MELLHEAD EQUIPMENT         PRODUCTION TUBING         SUBSURFACE PUMPING EQUIPMENT         MELLHEAD EQUIPMENT         VALVES & FITTINGS         SODS         TRUCKING         TOUCTION EQUIPMENT         MISCELLANEOUS         TRUCKING         TANGIBLE EQUIP.ACQUISITIONS         TOTAL INTANGIBLE COSTS	50,000	35,000	85	
6       INSURANCE         7       MISCELLANEOUS         9       SIM-OPS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TOTAL INTANGIBLE COSTS         CASING - CONDUCTOR         2         CASING - INTERMEDIATE         CASING - PRODUCTION / LINER         SUBSURFACE EQUIPMENT         SUBSURFACE PUMPING EQUIPMENT         SURFACE PUMPING EQUIPMENT         SURFACE PUMPING EQUIPMENT         SUBSURFACE PUMPING EQUIPMENT         SUALVES & FITTINGS <td colsp<="" td=""><td>10,000</td><td>7,500</td><td>17</td></td>	<td>10,000</td> <td>7,500</td> <td>17</td>	10,000	7,500	17
7       MISCELLANEOUS         9       SIM-OPS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TANGIBLE COSTS         CASING - CONDUCTOR         12       CASING - SURFACE         13       CASING - SURFACE         14       CASING - INTERMEDIATE         14       CASING - INTERMEDIATE 2         15       CASING - PRODUCTION / LINER         16       SUBSURFACE EQUIPMENT         17       PRODUCTION TUBING         18       SUBSURFACE PUMPING EQUIPMENT         19       WELLHEAD EQUIPMENT         10       FLOWLINES         11       SURFACE PUMPING EQUIPMENT         2       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         10       RE-ENTRY EQUIPMENT         14       PRODUCTION EQUIPMENT         15       RODS         16       RE-ENTRY EQUIPMENT         17       MISCELLANEOUS         19       TANGIBLE EQUIP-ACQUISITIONS         16       TOTAL INTANGIBLE COSTS				
III       SIM-OPS         TOTAL INTANGIBLE COSTS         TANGIBLE COSTS         TANGIBLE COSTS         TANGIBLE COSTS         CASING - CONDUCTOR         CASING - SURFACE         CASING - SURFACE         CASING - INTERMEDIATE         CASING - INTERMEDIATE 2         CASING - PRODUCTION / LINER         SUBSURFACE EQUIPMENT 6         CASING - PRODUCTION / LINER         SUBSURFACE EQUIPMENT         OBSURFACE PUMPING EQUIPMENT         MELLHEAD EQUIPMENT         MELLHEAD EQUIPMENT         MELLINER HANGER & ASSOC EQUIP         VALVES & FITTINGS         SODS         TAUCKING         RE-ENTRY EQUIPMENT         MISCELLANEOUS         TANGIBLE EQUIP.ACQUISITIONS         TOTAL INTANGIBLE COSTS	0 10,000	3,000 15,000	3	
TANGIBLE COSTS         01       CASING - CONDUCTOR         02       CASING - SURFACE         03       CASING - INTERMEDIATE         04       CASING - INTERMEDIATE 2         05       CASING - PRODUCTION / LINER         06       SUBSURFACE EQUIPMENT         07       PRODUCTION TUBING         08       SUBSURFACE PUMPING EQUIPMENT         09       WELLHEAD EQUIPMENT         10       FLOWLINES         11       SURFACE PUMPING EQUIPMENT         12       LINER HANGER & ASSOC EQUIP         13       VALVES & FITTINGS         15       RODS         17       TRUCKING         18       PRODUCTION EQUIPMENT         19       VALVES & FITTINGS         15       RODS         17       TRUCKING         18       PRODUCTION EQUIPMENT         19       TANGIBLE EQUIP.ACQUISITIONS         17       TOTAL INTANGIBLE COSTS	10,000	10,000	20	
1       CASING - CONDUCTOR         12       CASING - SURFACE         13       CASING - INTERMEDIATE         14       CASING - INTERMEDIATE 2         15       CASING - PRODUCTION / LINER         16       SUBSURFACE EQUIPMENT         17       PRODUCTION TUBING         18       SUBSURFACE PUMPING EQUIPMENT         19       WELLHEAD EQUIPMENT         19       WELLHEAD EQUIPMENT         10       FLOWLINES         11       SURFACE PUMPING EQUIPMENT         12       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         10       RE-ENTRY EQUIPMENT         14       PRODUCTION EQUIPMENT         154       PRODUCTION EQUIPMENT         164       PRODUCTION EQUIPMENT         17       MISCELLANEOUS         19       TANGIBLE EQUIP-ACQUISITIONS         10       TOTAL INTANGIBLE COSTS	\$ 2,138,625		. ,	
2       CASING - SURFACE         3       CASING - INTERMEDIATE         44       CASING - INTERMEDIATE 2         55       CASING - PRODUCTION / LINER         66       SUBSURFACE EQUIPMENT         77       PRODUCTION TUBING         88       SUBSURFACE PUMPING EQUIPMENT         99       WELLHEAD EQUIPMENT         90       WELLHEAD EQUIPMENT         91       WELLHEAD EQUIPMENT         92       LINER HANGER & ASSOC EQUIP         1       SURFACE PUMPING EQUIPMENT         2       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         10       RE-ENTRY EQUIPMENT         4       PRODUCTION EQUIPMENT         7       MISCELLANEOUS         19       TANGIBLE EQUIP-ACQUISITIONS         7       TOTAL INTANGIBLE COSTS	DRILLING (400) \$ 20,000	COMPLETION (600)	<b>TOTAL</b> \$ 20	
44       CASING - INTERMEDIATE 2         155       CASING - PRODUCTION / LINER         166       SUBSURFACE EQUIPMENT         177       PRODUCTION TUBING         188       SUBSURFACE PUMPING EQUIPMENT         199       WELLHEAD EQUIPMENT         199       WELLHEAD EQUIPMENT         10       FLOWLINES         11       SURFACE PUMPING EQUIPMENT         2       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         109       RE-ENTRY EQUIPMENT         14       PRODUCTION EQUIPMENT         15       RODS         16       RE-ENTRY EQUIPMENT         17       MISCELLANEOUS         19       TANGIBLE EQUIP-ACQUISITIONS         10       TOTAL INTANGIBLE COSTS	<u>φ</u> 20,000 15,631		15	
5       CASING - PRODUCTION / LINER         6       SUBSURFACE EQUIPMENT         7       PRODUCTION TUBING         8       SUBSURFACE PUMPING EQUIPMENT         9       WELLHEAD EQUIPMENT         0       FLOWLINES         1       SURFACE PUMPING EQUIPMENT         2       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         0       RE-ENTRY EQUIPMENT         4       PRODUCTION EQUIPMENT         7       MISCELLANEOUS         9       TANGIBLE EQUIP-ACQUISITIONS         7       TOTAL INTANGIBLE COSTS	61,320		61	
6       SUBSURFACE EQUIPMENT         7       PRODUCTION TUBING         8       SUBSURFACE PUMPING EQUIPMENT         9       WELLHEAD EQUIPMENT         0       FLOWLINES         1       SURFACE PUMPING EQUIPMENT         2       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         0       RE-ENTRY EQUIPMENT         4       PRODUCTION EQUIPMENT         7       MISCELLANEOUS         9       TANGIBLE EQUIP-ACQUISITIONS         TOTAL INTANGIBLE COSTS	326,625		326	
7       PRODUCTION TUBING         8       SUBSURFACE PUMPING EQUIPMENT         9       WELLHEAD EQUIPMENT         0       FLOWLINES         1       SURFACE PUMPING EQUIPMENT         2       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         0       RE-ENTRY EQUIPMENT         4       PRODUCTION EQUIPMENT         7       MISCELLANEOUS         9       TANGIBLE EQUIP-ACQUISITIONS         TOTAL INTANGIBLE COSTS	271,872		271	
8       SUBSURFACE PUMPING EQUIPMENT         9       WELLHEAD EQUIPMENT         0       FLOWLINES         1       SURFACE PUMPING EQUIPMENT         2       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         80       RE-ENTRY EQUIPMENT         94       PRODUCTION EQUIPMENT         95       TANGIBLE EQUIP-ACQUISITIONS         7       TOTAL INTANGIBLE COSTS				
0 FLOWLINES 1 SURFACE PUMPING EQUIPMENT 2 LINER HANGER & ASSOC EQUIP 3 VALVES & FITTINGS 5 RODS 7 TRUCKING 10 RE-ENTRY EQUIPMENT 14 PRODUCTION EQUIPMENT 14 PRODUCTION EQUIPMENT 15 MISCELLANEOUS 19 TANGIBLE EQUIP-ACQUISITIONS 10 TOTAL INTANGIBLE COSTS				
1       SURFACE PUMPING EQUIPMENT         2       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         10       RE-ENTRY EQUIPMENT         14       PRODUCTION EQUIPMENT         17       MISCELLANEOUS         19       TANGIBLE EQUIP-ACQUISITIONS         TOTAL INTANGIBLE COSTS	40,000		40	
2       LINER HANGER & ASSOC EQUIP         3       VALVES & FITTINGS         5       RODS         7       TRUCKING         0       RE-ENTRY EQUIPMENT         4       PRODUCTION EQUIPMENT         7       MISCELLANEOUS         9       TANGIBLE EQUIP-ACQUISITIONS         TOTAL INTANGIBLE COSTS				
3       VALVES & FITTINGS         5       RODS         7       TRUCKING         0       RE-ENTRY EQUIPMENT         4       PRODUCTION EQUIPMENT         7       MISCELLANEOUS         9       TANGIBLE EQUIP-ACQUISITIONS         TOTAL INTANGIBLE COSTS				
15     RODS       17     TRUCKING       10     RE-ENTRY EQUIPMENT       14     PRODUCTION EQUIPMENT       17     MISCELLANEOUS       19     TANGIBLE EQUIP-ACQUISITIONS       TOTAL INTANGIBLE COSTS		271,430	271	
20       RE-ENTRY EQUIPMENT         34       PRODUCTION EQUIPMENT         37       MISCELLANEOUS         39       TANGIBLE EQUIP-ACQUISITIONS         TOTAL INTANGIBLE COSTS				
94     PRODUCTION EQUIPMENT       97     MISCELLANEOUS       98     TANGIBLE EQUIP-ACQUISITIONS       199     TOTAL INTANGIBLE COSTS				
17       MISCELLANEOUS         19       TANGIBLE EQUIP-ACQUISITIONS         TOTAL INTANGIBLE COSTS		795,485	795	
49 TANGIBLE EQUIP-ACQUISITIONS TOTAL INTANGIBLE COSTS	10,000	700,400	10	
TOTAL ESTIMATED WELL COST	\$ 745,448	\$ 1,066,914	\$ 1,812	
	\$ 2,884,073	\$ 4,341,164	\$ 7,225,	
EPARED BY: Alex Bourland & Paul Jobe	Senior Operations Engineers	DATE:	4/21/2021	
	-			
ERATOR APPROVAL:		DATE:		
ERATOR APPROVAL:	000	DATE:		
	COO CEO or CFO			
RTNER COMPANY NAME:				
.E:		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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WELL N		Saturninus Fed Com 1510 232H		AFE TYPE	Development	AFE NUMBER	2015104
	AL LOCATION CE LOCATION	Section 15 & 10 of T23S R29E Section 15 of T23S R29E		FIELD FORMATION	Northern Delaware		24 10961'/ 18321'
	M-HOLE LOCATION	Section 15 of T23S R29E Section 10 of T23S R29E		COUNTY	Wolfcamp B Eddy County	DEPTH (TVD/TMD) STATE	New Mexico
ROJE	CT DESCRIPTION	Drilling, completion, facilities and pip	peline costs for 7	,500' horizonta			1
CCT.		DESCRIPTION OF EXPENDITU	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		73,1
	DRILLING - FOOTAGE				40,000		40,0
-	DRILLING - DAYWORK				364,000		364,0
06	COMPLETION/WORK						
07	COIL TUBING/SNUBBI					150,000	150,0
	SLICKLINE/SWABBING	5			100,000	7,500	107,5
	DIRECTIONAL SERVIC	CES			190,000	7,500	190,0
11	CASING CREW				80,000		80,0
	TOOL & EQUIPMENT	RENTAL			192,000	150,000	342,0
	FUEL & POWER				139,500	75,000	214,5
	DIESEL - BASE FOR M MUD LOGGING & GEO				100,000 34,000		100,0 34,0
	DISPOSAL, RESTORA				108,000		108,0
	TRUCKING				85,000	30,000	115,0
18	TESTING						
	CEMENTING				90,000		90,0
	PERFORATING CASED HOLE LOGS					131,250	131,2
	DOWNHOLE TOOLS 8	SERVICE			50,000	37,500	87,5
	OTHER STIMULATION				00,000	57,000	01,0
24	FORMATION STIMULA	TION				1,800,000	1,800,0
	CONSULTING SERVIC	ES				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 CONSULT	NG/SUPV				00,000	00,0
	WATER				40,000	637,500	677,5
	FLUIDS & CHEMICALS	3			150,000		150,0
	CORING & ANALYSIS					45.000	
	COMMUNICATIONS BOP TESTING				8,000 15,000	15,000 15,000	23,0 30,0
	FISHING TOOLS & SE	RVICES			15,000	15,000	30,0
	INSPECTIONS				10,000	7,500	17,5
38	WIRELINE SERVICES						
	ENGINEERING & GEC						
	ENGINEERING & GEC	LOGY - OFFICE			15,000		15,0
	MULTISHOT & GYRO RE-ENTRY SERVICES						
	CAMPS & TRAILERS				50,000	35,000	85,0
44	SAFETY EQUIPMENT	& H2S			10,000	7,500	17,5
	CONTINGENCY						
					0	.,	3,0
	MISCELLANEOUS SIM-OPS				10,000	15,000	25,0
40	TOTAL INTANGIBLE	COSTS			\$ 2,138,625	\$ 3,274,250	\$ 5,412,8
		TANGIBLE COSTS			DRILLING (400)	COMPLETION (600)	TOTAL
-	CASING - CONDUCTO	R			\$ 20,000		\$ 20,0
	CASING - SURFACE				15,631		15,6
	CASING - INTERMEDI. CASING - INTERMEDI.				61,320 326,625		61,3 326,6
	CASING - PRODUCTIO				271,872		271,8
	SUBSURFACE EQUIP						,-
	PRODUCTION TUBING						
	SUBSURFACE PUMPI						
	WELLHEAD EQUIPME FLOWLINES	NI			40,000		40,0
	SURFACE PUMPING E	EQUIPMENT					
	LINER HANGER & AS						
	VALVES & FITTINGS					271,430	271,4
	RODS						
	TRUCKING RE-ENTRY EQUIPMEN	ЛТ					
	PRODUCTION EQUIPMEN					795,485	795,4
	MISCELLANEOUS	·			10,000	,	10,0
49	TANGIBLE EQUIP-ACC	QUISITIONS					
	TOTAL INTANGIBLE O	COSTS			\$ 745,448	\$ 1,066,914	\$ 1,812,3
	TOTAL ESTIMATED	OWELL COST			\$ 2,884,073	\$ 4,341,164	\$ 7,225,23
REPAI	RED BY:	Alex Bourland & Paul Jobe			Senior Operations Engineers	DATE:	4/21/2021
·							
PERA	TOR APPROVAL:					DATE:	
PERA	TOR APPROVAL:				CEO or CFO	DATE:	
	ER COMPANY NAME:						
RTN	ER APPROVAL:					DATE:	
TLE:						_	

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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		Saturninus Fed Com 1510 235H		Development		2015105
	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 10976'/ 18336'
отто	M-HOLE LOCATION	Section 10 of T23S R29E Drilling, completion, facilities and pipeline cc	COUNTY	Eddy County	STATE	New Mexico
OJE	CT DESCRIPTION	Drining, completion, facilities and pipeline co	Sts 101 7,500 110112011a	weii		
CCT. ODE		DESCRIPTION OF EXPENDITURE INTANGIBLE COSTS			COST ESTIMATE COMPLETION (500)	
-	SURVEY/PERMITS/DAM			DRILLING (300) \$ 25,000	COMPLETION (500)	\$ 25,0
02	LOCATION & ROAD			73,125		73,1
	RIG MOVE			30,000		30,0
-	DRILLING - FOOTAGE DRILLING - DAYWORK			40,000 364,000		40,0 364,0
	COMPLETION/WORKO	VER RIG		304,000		504,0
	COIL TUBING/SNUBBIN	G UNIT			150,000	150,0
	SLICKLINE/SWABBING			400.000	7 500	407.5
	BITS DIRECTIONAL SERVICE	-8		100,000	7,500	107,5 190,0
	CASING CREW			80,000		80,0
	TOOL & EQUIPMENT R	ENTAL		192,000	150,000	342,0
	FUEL & POWER DIESEL - BASE FOR MU			139,500 100,000	75,000	214,5 100,0
	MUD LOGGING & GEOL			34,000		34,0
	DISPOSAL, RESTORAT			108,000		108,0
	TRUCKING			85,000	30,000	115,0
	TESTING CEMENTING			90,000		90.0
	PERFORATING			90,000	131,250	131,2
	CASED HOLE LOGS				,	,=
	DOWNHOLE TOOLS & S	SERVICE		50,000	37,500	87,5
	OTHER STIMULATION FORMATION STIMULAT				1,800,000	1,800,0
	CONSULTING SERVICE				1,800,000	1,800,0
	SUPERVISION			90,000	67,500	157,5
	CONTRACT LABOR			40,000	15,000	55,0
	OTHER LABOR COMPANY CONSULTIN				60,000	60,0
	WATER			40,000	637,500	677,5
	FLUIDS & CHEMICALS			150,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	150,0
	CORING & ANALYSIS					
	COMMUNICATIONS BOP TESTING			8,000 15,000	15,000 15,000	23,0
	FISHING TOOLS & SER	VICES		13,000	13,000	50,0
	INSPECTIONS			10,000	7,500	17,5
	WIRELINE SERVICES					
	ENGINEERING & GEOL			15.000		15.0
	ENGINEERING & GEOL MULTISHOT & GYRO	OGT - OFFICE		15,000		15,0
	RE-ENTRY SERVICES					
	CAMPS & TRAILERS			50,000	35,000	85,0
	SAFETY EQUIPMENT & CONTINGENCY	H2S		10,000	7,500	17,5
-	INSURANCE			0	3,000	3,0
	MISCELLANEOUS			10,000	15,000	25,0
	SIM-OPS	2070		¢ 0.400.005	* 0.074.050	¢ 5.440.0
	TOTAL INTANGIBLE CO	TANGIBLE COSTS		\$ 2,138,625 DRILLING (400)	\$ 3,274,250 COMPLETION (600)	\$ 5,412,8 TOTAL
01	CASING - CONDUCTOR			\$ 20,000		\$ 20,0
02	CASING - SURFACE			15,631		15,6
	CASING - INTERMEDIA			61,320		61,3
	CASING - INTERMEDIA CASING - PRODUCTION			326,625 271,872		326,6
	SUBSURFACE EQUIPM			271,072		271,0
	PRODUCTION TUBING					
	SUBSURFACE PUMPIN					
	WELLHEAD EQUIPMEN FLOWLINES	11		40,000		40,0
	SURFACE PUMPING EC	QUIPMENT				
	LINER HANGER & ASSO				<u> </u>	
	VALVES & FITTINGS				271,430	271,4
	RODS					
	TRUCKING RE-ENTRY EQUIPMENT	Г				
	PRODUCTION EQUIPM				795,485	795,4
	MISCELLANEOUS			10,000		10,0
	TANGIBLE EQUIP-ACQI			\$ 745,448	\$ 1,066,914	\$ 1,812,3
					φ 1,000,914	φ 1,012,3
	TOTAL ESTIMATED	WELL COST		\$ 2,884,073	\$ 4,341,164	\$ 7,225,2
EPAF	RED BY:	Alex Bourland & Paul Jobe		Senior Operations Engineers	DATE:	4/21/2021
PERA	TOR APPROVAL:			соо	DATE:	
PERA	TOR APPROVAL:			CEO or CFO	DATE:	
RTNE	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.
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# 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.

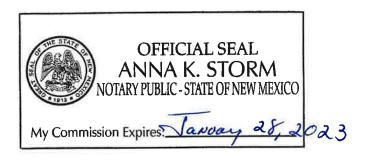
Luck.

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 Received by OCD: 6/29/2021 5:54:21 PM

4 Notary Public

My Commission Expires:

-Tanoory 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.

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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 Washington, D.C. Idaho New Mexico Wyoming

Released to Imaging: 6/30/2021 8:07:32 AM



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.

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

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,

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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 am
9414811898765802384796	The Benefit Of Lenox Minerals LLC	100 Throckmorton St Ste 1630	Fort Worth	ΤХ	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	ΤХ	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	ΤХ	76102-2846	on June 15, 2021 in FORT WORTH, TX 76102.

Received by OCD: 6/29/2021 5:54:21 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	ТΧ	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 area is located 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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https://nmemnrd.webex.com/nmemnrd/onstage/g.php?MTID =e27ab61b7f5ad68b04d4652ecf5502112 Event number: 187 606 9449 Event password: cMbpmxsh633

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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. 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