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

#### APPLICATION OF APACHE CORPORATION FOR APPROVAL OF A NON-STANDARD HORIZONTAL WELL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No. 24141

#### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

#### AVANT OPERATING, LLC'S NOTICE OF AMENDED EXHIBIT

Avant Operating, LLC ("Avant") is submitting the attached amended exhibit packet, which

includes the following amended exhibit: Exhibit A-23, which is amended to include a table of

communications with pooled parties.

Respectfully submitted,

HINKLE SHANOR LLP

<u>/s/ Dana S. Hardy</u> Dana S. Hardy Jaclyn McLean P.O. Box 2068 Santa Fe, NM 87504-2068 Phone: (505) 982-4554 Facsimile: (505) 982-8623 dhardy@hinklelawfirm.com jmclean@hinklelawfirm.com

#### **CERTIFICATE OF SERVICE**

I hereby certify that on June 3, 2024, I have caused a true and correct copy of the foregoing notice to be sent to the following counsel by electronic means:

Michael H. Feldewert Adam G. Rankin Paula M. Vance Post Office Box 2208 Santa Fe, New Mexico 87504-2208 (505) 988-4421 (505) 983-6043 Facsimile mfeldewert@hollandhart.com agrankin@hollandhart.com pmvance@hollandhart.com *Attorneys for Apache Corporation* 

Blake C. Jones 1780 Hughes Landing Blvd., Suite 750 The Woodlands, TX 77380 TEL: (281) 203-5700 FAX: (281) 203-5701 Blake.jones@steptoe-johnson.com *Attorney for Northern Oil and Gas, Inc.* 

/s/ Dana S. Hardy

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  - C-13 Avant Cutbow Well Performance
  - C-14 Two-Mile Type Curve for Second Bone Spring Wells
  - C-15 Two-Mile Type Curve for Third Bone Spring Wells

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Exhibit D	Self-Affirmed Statement of Dana S. Hardy
D-1	Notice Letters to All Interested Parties
D-2	Chart of Notice to All Interested Parties
D-3	Copies of Certified Mail Receipts and Returns
D-4	Affidavit of Publication for March 5, 2024

#### COMPULSORY POOLING APPLICATION CHECKLIST

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ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS							
Case: 24254	APPLICANT'S RESPONSE						
Date	May 29, 2024						
Applicant	Avant Operating, LLC						
Designated Operator & OGRID (affiliation if applicable)	330396						
Applicant's Counsel:	Hinkle Shanor LLP						
Case Title:	Application of Avant Operating, LLC for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Lea County, New Mexico.						
Entries of Appearance/Intervenors:	Apache Corporation; Northern Oil & Gas						
Well Family	Grayling 14 Fed Com						
Formation/Pool							
Formation Name(s) or Vertical Extent:	Bone Spring						
Primary Product (Oil or Gas):	Oil						
Pooling this vertical extent:	Bone Spring Formation						
Pool Name and Pool Code (Only if NSP is requested):	Lusk; Bone Spring, East (Code 41442)						
Well Location Setback Rules (Only if NSP is Requested):	Statewide						
Spacing Unit Type (Horizontal/Vertical)	Horizontal						
Size (Acres)	1,280 acres						
Building Blocks:	quarter-quarter						
Orientation:	South to North						
Description: TRS/County	Sections 11 and 14, Township 19 South, Range 32 East, Lea County						
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	No, Avant requests approval of a non-standard spacing unit in this application.						
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	Exhibits A-14, A-15						
Well(s)							
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed						
Well #1	Grayling 14 Fed Com #301H (API # pending) SHL: 466' FSL & 320' FWL (Unit M), Section 14, T19S-R32E BHL: 100' FNL & 330' FWL (Unit D), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 8,550' TVD)						
Well #2	Grayling 14 Fed Com #302H (API # pending) SHL: 985' FSL & 2080' FWL (Unit N), Section 14, T19S-R32E BHL: 100' FNL & 1254' FWL (Unit D), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 8,550' TVD)						
Well #3	Grayling 14 Fed Com #303H (API # pending) SHL: 985' FSL & 2100' FWL (Unit N), Section 14, T19S-R32E BHL: 100' FNL & 2178' FWL (Unit C), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 8,550' TVD)						
Well #4	Grayling 14 Fed Com #304H (API # pending) SHL: 1025' FSL & 1359' FEL (Unit O), Section 14, T19S-R32E BHL: 100' FNL & 2178' FEL (Unit B), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 8,550' TVD)						

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	Completion rarget, bone spring (Approx, 8,550 TVD)
Well #6	Grayling 14 Fed Com #306H (API # pending) SHL: 994' FSL & 1334' FEL (Unit O), Section 14, T19S-R32E BHL: 100' FNL & 330' FEL (Unit A), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 8,550' TVD)
Well #7	Grayling 14 Fed Com #501H (API # pending) SHL: 466' FSL & 340' FWL (Unit M), Section 14, T19S-R32E BHL: 100' FNL & 330' FWL (Unit D), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 9,500' TVD)
Well #8	Grayling 14 Fed Com #502H (API # pending)
	SHL: 835' FSL & 2079' FWL (Unit N), Section 14, T19S-R32E BHL: 100' FNL & 1254' FWL (Unit D), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 9,500' TVD)
Well #9	Grayling 14 Fed Com #503H (API # pending)
	SHL: 835' FSL & 2099' FWL (Unit N), Section 14, T19S-R32E BHL: 100' FNL & 2178' FWL (Unit C), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 9,500' TVD)
Well #10	Grayling 14 Fed Com #504H (API # pending)
	SHL: 929' FSL & 1476' FEL (Unit O), Section 14, T19S-R32E BHL: 100' FNL & 2178' FEL (Unit B), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 9,500' TVD)
Well #11	Grayling 14 Fed Com #505H (API # pending) SHL: 914' FSL & 1463' FEL (Unit O), Section 14, T19S-R32E
	BHL: 100' FNL & 1254' FEL (Unit A), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 9,500' TVD)
Well #12	Grayling 14 Fed Com #506H (API # pending)
	SHL: 898' FSL & 1450' FEL (Unit O), Section 14, T19S-R32E BHL: 100' FNL & 330' FEL (Unit A), Section 11, T19S-R32E
	Completion Target: Bone Spring (Approx. 9,500' TVD)
Well #13	Grayling 14 Fed Com #601H (API # pending)
	SHL: 466' FSL & 360' FWL (Unit M), Section 14, T19S-R32E
	BHL: 100' FNL & 330' FWL (Unit D), Section 11, T19S-R32E
	Completion Target: Bone Spring (Approx. 10,450' TVD)
Well #14	Grayling 14 Fed Com #602H (API # pending) SHL: 685' FSL & 2078' FWL (Unit N), Section 14, T19S-R32E
	BHL: 100' FNL & 1254' FWL (Unit D), Section 11, T19S-R32E
	Completion Target: Bone Spring (Approx. 10,450' TVD)
Well #15	Grayling 14 Fed Com #603H (API # pending)
	SHL: 685' FSL & 2098' FWL (Unit N), Section 14, T19S-R32E BHL: 100' FNL & 2178' FWL (Unit C), Section 11, T19S-R32E
	Completion Target: Bone Spring (Approx. 10,450' TVD)
Well #16	Grayling 14 Fed Com #604H (API # pending)
	SHL: 833' FSL & 1592' FEL (Unit O), Section 14, T19S-R32E
	BHL: 100' FNL & 2178' FEL (Unit B), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 10,450' TVD)
Well #17	Grayling 14 Fed Com #605H (API # pending)
	SHL: 818' FSL & 1579' FEL (Unit O), Section 14, T19S-R32E
	BHL: 100' FNL & 1254' FEL (Unit A), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 10,450' TVD)
Well #18	Grayling 14 Fed Com #606H (API # pending)
	SHL: 803' FSL & 1567' FEL (Unit O), Section 14, T19S-R32E
	BHL: 100' FNL & 330' FEL (Unit A), Section 11, T19S-R32E Completion Target: Bone Spring (Approx. 10,450' TVD)
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Drilling Supervision/Month \$	\$10,000
Production Supervision/Month \$	\$1,000
Justification for Supervision Costs	Exhibit A-24
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-2
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibits D-1, D-2, D-3
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit D-4
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibits A-17, A-18
Tract List (including lease numbers and owners)	Exhibits A-17, A-18
If approval of Non-Standard Spacing Unit is requested, Tract	
List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit A-21
Pooled Parties (including ownership type)	Exhibits A-18, A-19
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-24
List of Interest Owners (ie Exhibit A of JOA)	Exhibits A-17, A-18, A-19
Chronology of Contact with Non-Joined Working Interests	Exhibits A-23, A-25
Overhead Rates In Proposal Letter	Exhibit A-24
Cost Estimate to Drill and Complete	Exhibit A-24
Cost Estimate to Equip Well	Exhibit A-24
Cost Estimate for Production Facilities	Exhibit A-24
Geology	
Summary (including special considerations)	Exhibit C
Spacing Unit Schematic	Exhibit B-2
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-4
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibits B-6, B-10, B-14
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-10
Tracts	Exhibits A-14, A-15
Summary of Interests, Unit Recapitulation (Tracts)	Exhibits A-17, A-18
General Location Map (including basin)	Exhibit B-2
Well Bore Location Map	Exhibits B-8, B-12, B-16
Structure Contour Map - Subsea Depth	Exhibits B-8, B-12, B-16
Cross Section Location Map (including wells)	Exhibit B-4
Cross Section (including Landing Zone)	Exhibits B-6, B-10, B-14
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):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	/s/ Dana S. Hardy
Date:	5/22/2024

# EXHIBIT A and Sub-Exhibits





AVANT OPERATING, LLC - GRAYLING 14 FED COM 8

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

#### APPLICATION OF APACHE CORPORATION FOR APPROVAL OF A NON-STANDARD HORIZONTAL WELL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No. 24141

#### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

#### SELF-AFFIRMED STATEMENT OF SHELLY ALBRECHT

1. I am employed by Avant Operating, LLC ("Avant") as Vice President of Land and Business Development. I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division") and my credentials as an expert in petroleum land matters were accepted and made a matter of record. A copy of my resume is attached as **Exhibit A-1**.

2. I have been directly involved in development of the horizontal spacing unit that is the subject of Avant's application, and I am familiar with the objection filed by Apache Corporation ("Apache"). Apache has filed a competing pooling application and proposed its own development plan for the acreage included in Avant's proposed horizontal spacing unit. Copies of Avant's application and proposed notice are attached as **Exhibit A-2**.

#### A. Overview of Avant

3. Avant was founded in 2018 and has made extensive investment in its New Mexico operations. Avant has drilled over 45 horizontal wells in the New Mexico Delaware Basin since 2021 and holds over 16,000 net acres, primarily within Lea and Eddy Counties. Avant is actively operating two rigs in Lea and Eddy counties and intends to add a third rig in 2024. An executive summary of Avant's background and operation is attached as **Exhibit A-3**.

4. Avant's management team has decades of experience in the petroleum industry and includes individuals who were previously employed by Centennial, EOG Resources, Advance Energy Partners and Franklin Mountain Energy, all of which are experienced operations in New Mexico. **Exhibit A-4** identifies the team members and summarizes their credentials.

5. A summary of the team's accomplishments is attached as **Exhibit A-5.** As shown on the exhibit, the team has decades of experience and successfully developed acreage across the Permian Basin.

6. **Exhibit A-6** includes a graph that shows Avant's average spud to TVD timing in 2023-2024 and summarizes Avant's drilling program. As shown on the exhibit, Avant is a consistent, active, and capital efficient operator.

7. As shown by the graph attached as **Exhibit A-7**, Avant is a highly active operator in New Mexico and is currently running two rigs. Apache currently has no rigs running in New Mexico.

8. **Exhibit A-8** is a graph that shows horizontal drilling activity in the Permian Basin by operator since 2021. As shown on the graph, Avant has drilled 47 wells since 2021 while Apache has drilled 17. Avant has been a consistently active operator in New Mexico since 2021, while Apache has not been active since January 2023.

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#### **B.** Overview of Competing Proposals

- 9. A general location map that depicts the Grayling Unit is attached as **Exhibit A-9**.
- 10. Avant seeks an order: (1) establishing a 1,280-acre, more or less, non-standard

horizontal spacing unit comprised of Sections 11 and 14, Township 19 South, Range 32 East, Lea

County, New Mexico ("Grayling Unit"); and (2) pooling all uncommitted interests in the Bone

Spring formation underlying the Unit. The Unit will be dedicated to the following initial wells

("Grayling Wells"):

- Grayling 14 Fed Com #305H, Grayling 14 Fed Com #306H, Grayling 14 Fed Com #505H, Grayling 14 Fed Com #506H, Grayling 14 Fed Com #605H, and Grayling 14 Fed Com #606H, which will be drilled from surface hole locations in the SW/4 SE/4 (Unit O) of Section 14 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 11;
- Grayling 14 Fed Com # 304H, Grayling 14 Fed Com #504H, and Grayling 14 Fed Com #604H, which will be drilled from surface hole locations in the SW/4 SE/4 (Unit O) of Section 14 to bottom hole locations in the NW/4 NE/4 (Unit B) of Section 11;
- Grayling 14 Fed Com #301H, Grayling 14 Fed Com #501H, Grayling 14 Fed Com #601H, which will be drilled from surface hole locations in the SW/4 SW/4 (Unit M) of Section 14 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11;
- Grayling 14 Fed Com # 302H, Grayling 14 Fed Com #502H, and Grayling 14 Fed Com #602H, which will be drilled from surface hole locations in the SE/4 SW/4 (Unit N) of Section 14 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11; and
- Grayling 14 Fed Com # 303H, Grayling 14 Fed Com #503H, and Grayling 14 Fed Com #603H, which will be drilled from surface hole locations in the SE/4 SW/4 (Unit N) of Section 14 to bottom hole locations in the NE/4 NW/4 (Unit C) of Section 11.
- 11. Avant proposes to complete six wells each in the First, Second, and Third Bone

Spring intervals of the Bone Spring Formation. The proposed Wells will be completed from South

to North, and the completed intervals of the Wells will be orthodox.

12. The Wells are located in the Lusk; Bone Spring, East Pool (Code 41442). With

respect to well setback requirements, this pool is subject to the statewide horizontal well rules set

out in Rule 19.15.16.15 NMAC. Spacing in this pool is based on quarter-quarter sections.

13. The C-102s for the Grayling Wells are attached as **Exhibit A-10**.

14. Apache similarly proposes to pool the Bone Spring Formation underlying a 1,280acre, more or less, non-standard horizontal spacing unit comprised of Sections 11 and 14, Township 19 South, Range 32 East, Lea County. However, in contrast to Avant's 18 well development, Apache proposes an 8-well development project whereby the acreage would be developed with four wells per section in the First and Second Bone Spring and does not propose any wells in the Third Bone Spring.

15. **Exhibit A-11** identifies the seven factors considered by the Division in evaluating competing development proposals and summarizes the information that demonstrates the factors weigh in Avant's favor.

#### C. Avant is an active driller and operator in this area.

16. An activity map that shows Avant's existing and proposed development in the area surrounding the Unit is attached as **Exhibit A-12**. As demonstrated by the exhibit, Avant has significant acreage and operations surrounding the Unit with 86 active permits. Apache has no operations or active permits within a 10-mile radius.

17. **Exhibit A-13** depicts Avant's existing and proposed development in the immediate vicinity of the Unit and describes Avant's Grayling development schedule. Avant currently has a frac crew on-site at its producing Cutbow unit in Section 36. As shown on the exhibit, Avant proposes to drill and complete 18 wells within the Unit from three well pads. Avant estimates that it will receive approved APDs from the Bureau of Land Management ("BLM") by December of 2024 and plans to commence drilling in the Unit in February 2025 or sooner, pending permit and pooling order approvals.

#### **D.** Lease Tract Maps and Interests

18. A lease tract ownership map that shows Avant's significant working interest control in the Grayling Unit is attached as **Exhibit A-14**. As shown on the exhibit, 49.78% of the working interests are committed to the unit.

19. A lease tract map that shows Avant's interest across the entire Unit is attached asExhibit A-15. Avant holds an interest in 6 of the 7 tracts.

20. A lease tract-well locator map is attached as **Exhibit A-16.** As shown on the exhibit, Avant proposes to fully develop all tracts and prospective zones within the Unit. Specifically, Avant proposes in this application to drill and complete six wells each in the First, Second, and Third Bone Spring intervals. The map also shows the BLM-approved locations of Avant's well pads and tank batteries.

21. A map and chart that identify the working interests and tracts committed to the Unit is attached as **Exhibit A-17**. As the exhibit demonstrates, approximately 49.78% of the working interests – or 637.1766 acres – are committed to the Unit.

22. **Exhibit A-18** includes a map and chart that identify the uncommitted working interests that Avant seeks to pool. These uncommitted working interests comprise approximately 50.22% of the Unit, of which 48.84% is held by Apache and ZPZ Delaware I LLC, an Apache entity.

23. **Exhibit A-19** includes a map and chart that identify the overriding royalty interests ("ORRIs") to be pooled.

#### E. Request for Approval of Non-Standard Spacing Unit

24. A map that compares surface facilities for Avant's proposed non-standard spacing unit with the surface facilities that would be required for standard spacing units is attached as

**Exhibit A-20**. Avant's proposal to utilize a non-standard spacing unit reduces surface facilities and impacts because it only requires two central tank batteries, while developing the acreage with standard spacing units would require four central tank batteries. As a result, Avant's request for approval of a non-standard spacing unit is necessary to prevent surface, environmental, and economic waste.

25. **Exhibit A-21** identifies the interest owners in the tracts surrounding Avant's proposed non-standard spacing unit, who were provided notice of Avant's application.

### F. Avant has diligently pursued its development plan and engaged in good faith negotiations.

26. A timeline that demonstrates Avant's diligence in developing the Unit is attached as **Exhibit A-22**. Since Avant acquired its interest in the Unit in May 2023, it has consistently pursued its development plans. In contrast, Apache allowed its original drilling permits to expire in 2021 and did not re-propose wells until September 2023 after it received Avant's proposals.

27. A summary of Avant's contacts with the interest owners in the Unit is attached as **Exhibit A-23**. Avant conducted extensive research and performed a diligent search of public records, including phone directories, LexisNexis, and other internet sources, to locate the interest owners. Avant began sending well proposals in June of 2023 and has had multiple communications with the interest owners since that time.

28. **Exhibit A-24** is a sample well proposal letter and AFEs sent to working interest owners in the Wells. The estimated cost of the Wells is fair and reasonable and is comparable to the cost of other wells of similar depth and length drilled in Lea County.

29. A summary of Avant's communications with Apache is attached as **Exhibit A-25**. As shown by the exhibit, Avant has engaged in extensive negotiations with Apache since June 1, 2023, but the negotiations have been unsuccessful.

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30. Avant made multiple attempts to engage in trade discussions with Apache, but Apache would not consider any of Avant's proposals and countered with inequitable trades. Additionally, Avant proposed splitting the Unit into two [standard] 640-acre units, with Apache operating one and Avant operating the other. This proposal to split the Unit was quickly rejected by Apache. It is my opinion that Apache's failure to meaningfully engage with Avant demonstrates a lack of good faith negotiation.

31. Avant has an established relationship with all grazing rights owners and has a surface use agreement in place. **Exhibit A-26** is a map that depicts the grazing allotment in the area.

32. Avant requests overhead and administrative rates of \$10,000 per month while the Wells are being drilled and \$1,000 per month while the Wells are producing. These rates are fair and are comparable to the rates charged by Avant and by other operators in the vicinity. They are also the rates set forth in the Joint Operating Agreement for the Unit. Avant further requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.

33. Avant requests that a 200% risk charge be assessed against the uncommitted interests if they are non-consenting working interest owners.

#### G. Conclusion

34. For the reasons set out above, it is my opinion that granting Avant's application would best prevent waste, protect correlative rights, and allow for prudent and timely development of wells in the Unit. Avant should be permitted to proceed with its development plan, and Apache's application should be denied.

35. The attached exhibits attached were either prepared by me or under my supervision or were compiled from company business records.

36. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date next to my signature below.

Quar Shelly Albrecht

<u>S/21/2024</u>

### Shelly S. Albrecht, CPL

#### Mobile: 720.630.0544 • Email: Shelly@avantnr.com

#### EXECUTIVE SUMMARY

Trusted and seasoned leader with 19 years of diverse Land and Business Development experience derived from multiple basins, markets and regulatory environments. Proven performer with a laser focus on exceeding company goals and objectives in a highly ethical manner. Excellent negotiator and communicator with a strong track record of building rapport in and outside organizations.

#### QUALIFICATION HIGHLIGHTS

- Successfully closed hundreds of deals
- Decisive, persuasive leader with strong track record
- Strategic thinker able to address short-term goals while building solid, adaptive strategies for long-term company growth
- Creative problem solver and energetic team-builder
- Worked with leading companies in the Oil & Gas industry
- Readily inspire the confidence and trust of others
- Proven ability to increase productivity of staff through leadership and coaching

#### LAND NEGOTIATIONS • LEADERSHIP • STRATEGY • MANAGEMENT • EXECUTION EXCELLENCE

<u>Vice President of Land & Business Development</u> (November 2021 - Present) • Avant Natural Resources and Avant Royalties, Denver, Colorado • New Mexico and Texas, Delaware and Midland Basins

- Spearhead operation optimization across all Land, Land Administration and Business Development functions for four current Avant entities.
- Key contributor in building a ~17k net acre Delaware Basin position, strategically positioning the company with a robust inventory of 400+ horizontal well locations.
- Direct comprehensive deal flow processes, including due diligence efforts and regulatory compliance, ensuring seamless transactions, and mitigating potential risks.
- Expertly negotiate and review a diverse array of contracts including Purchase and Sale Agreements, trade agreements, Operating Agreements to foster beneficial partnerships and safeguard the company's interests.
- Cultivate and maintain robust relationships with industry peers, government agencies and stakeholders, facilitating collaborative communication and enhancing the company's reputation.
- Nurture positive rapport with investors, delivering regular progress updates and ensuring transparency, resulting in sustained investor confidence and support.
- Provide mentorship and guidance to a dedicated team of Land and Land Administration professionals, fostering a culture of excellence and professional development within the organization.
- Completed ~4k NRA asset aggregation and successful divesture in the Midland Basin totaling \$132.5MM for Avant Royalties.

### Director of Land (February 2019 – October 2021) • Franklin Mountain Energy, LLC, Denver, Colorado • New Mexico, Delaware Basin

- Responsible for all land and land administration functions for five Franklin Mountain entities since inception.
- Completed ~125 leasehold, mineral and ORRI acquisitions totaling \$73MM, lowering acreage cost basis by 20 percent.
- Optimized company's operated footprint and enhanced overall net revenue interest through multiple trades with major Delaware Basin operators.
- Prepared ~70 operated drill-ready locations across core horizons with an additional ~120 locations awaiting approval.
- Efficiently manage our due diligence efforts, spacing/pooling, title work, curative efforts, lease obligations, record maintenance, BLM and state processes and owner relations ahead of drill schedules.
- Negotiated a wide range of contracts such as PSAs, trade agreements, Operating Agreements, etc.
- Collaborate with the team to manage cash flow expectations by understanding company non-op activity and continual communication with Franklin Mountain's senior leadership team.
- Maintain relationships with competitors, offset operators, government agencies and owners to foster smooth communication and a favorable company reputation.
   Avant Operating, LLC

Case No. 24254 Exhibit A-1

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Land Manager (April 2014 – February 2019) • Liberty Resources II, LLC, Denver, Colorado • North Dakota, Williston Basin and Wyoming, Powder River Basin

- Led a fleet of in-house and field Landmen along with a land administration team to prepare over 400 drill-ready locations in the Williston and Powder River Basins.
- Instrumental in tripling Liberty's Williston position to >100k net acres through hundreds of deals; building inventory of >75 drilled & completed wells with ~10MBOE/D.
- Key contributor in acquiring a ~15k net acre Powder River Basin leasehold position, grew position by over 25% via acquisitions and successfully formed a 19.4k-acre federal unit.
- Part of the core team to market and sell Liberty's Powder River Basin assets for a 1.6x multiple.
- Provided quarterly and periodic land position updates to Liberty's equity providers and other stakeholders.
- Co-created appraisal and development programs with multi-disciplinary teams in both ND and WY, advancing lateral length extents in operated areas.

#### DRILL SITE PREPARATION • RELATIONSHIPS • REGULATORY COMPLIANCE

#### Sr. Landman (July 2012 - March 2014) • Newfield Exploration Company, Denver, Colorado • North Dakota, Williston Basin

- Responsible for full scope land work in Sheridan and Richland Counties in MT and Divide, Williams and McKenzie Counties, ND supporting a 3-rig development program across >80k net acres.
- Negotiated Oil and Gas Leases, Trades, Wellbore deals, Surface/Road Access Agreements and Data trades.
- Testified before the NDIC on routine and non-routine matters.

### District Landman (February 2008 - July 2012) • Samson Resources Company, Denver, Colorado • North Dakota, Williston Basin and Wyoming, Green River and Powder River Basins

- Responsible for all aspects of land in Williams, Mountrail, Burke and Divide Counties, ND and Sweetwater, Carbon and Converse Counties, WY relative to appraisal and development drilling programs.
- Key contributor in building and marketing our >400k net acre Williston Basin position for a highly profitable exit.
- Negotiated Oil and Gas Leases, JOA's, Land Service Agreements, Confidentiality Agreements, Farmouts, Acreage Trade Agreements, Land Service Agreements and Seismic Permits.
- Managed title attorneys, teams of field landmen and internal budget considerations to ensure the company was flush with compliant drilling locations.
- Successfully formed a federal exploratory unit in Sweetwater County, Wyoming comprised of ~25k acres.

#### PROFESSIONAL ADDENDUM

- <u>Land Negotiator</u> (January 2007 February 2008) **BP America Production Company**, Houston, Texas *Oklahoma, Anadarko Basin and Texas, Gulf Coast Basin*
- <u>Land Negotiator Intern</u> (May 2006 August 2006) **BP America Production Company**, Houston, Texas *Wyoming, Green River Basin and Oklahoma, Arkoma Basin*
- <u>Land Intern</u> (May 2005 August 2005) Chesapeake Energy Corporation, Oklahoma City, Oklahoma Oklahoma, Ardmore/Marietta Basins
- <u>Brokerage Land Assistant</u> (May 2004 April 2005 & December 2005 March 2006) Hal Smith & Associates, Inc., Norman, Oklahoma

#### CERTIFICATIONS, RECOGNITIONS, & AFFILIATIONS

Certified Professional Landman (CPL), March 2012 - Present Nominee for the Denver Business Journal's Top Women in Energy (2016) DAPL Board of Directors- Vice President 2019-2020, Director 2021-2022 AAPL Board of Directors- Director for DAPL 2018-2019 DAPL- Bash Committee 2014-2017 Hart Energy 40 Under 40 Honoree 2023 AAPL Committees 2023-2024

#### EDUCATION

University of Oklahoma, Norman, Oklahoma Bachelor of Business Administration, Energy Management, 2006, Magna Cum Laude

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

#### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

#### **APPLICATION**

Pursuant to NMSA § 70-2-17 and 19.15.16.15(B)(5) NMAC, Avant Operating, LLC ("Applicant" or "Avant") applies for an order: (1) establishing a 1,280-acre, more or less, nonstandard horizontal spacing unit comprised of Sections 11 and 14, Township 19 South, Range 32 East, Lea County, New Mexico ("Unit"); and (2) pooling all uncommitted interests in the Bone Spring formation underlying the Unit. In support of its application, Applicant states:

- 1. Applicant (OGRID No. 330396) is a working interest owner in the Unit and has the right to drill wells thereon.
  - 2. The Unit will be dedicated to the following wells ("Wells"):
    - a. Grayling 14 Fed Com #305H, Grayling 14 Fed Com #306H, Grayling 14 Fed Com #505H, Grayling 14 Fed Com #506H, Grayling 14 Fed Com #605H, and Grayling 14 Fed Com #606H, which will be drilled from surface hole locations in the SW/4 SE/4 (Unit O) of Section 14 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 11;
    - b. Grayling 14 Fed Com # 304H, Grayling 14 Fed Com #504H, and
       Grayling 14 Fed Com #604H, which will be drilled from surface hole
       locations in the SW/4 SE/4 (Unit O) of Section 14 to bottom hole locations
       in the NW/4 NE/4 (Unit B) of Section 11;
    - c. Grayling 14 Fed Com #301H, Grayling 14 Fed Com #501H, Grayling Avant Operating 1

14 Fed Com #601H, which will be drilled from surface hole locations in the SW/4 SW/4 (Unit M) of Section 14 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11;

d. Grayling 14 Fed Com # 302H, Grayling 14 Fed Com #502H, and
 Grayling 14 Fed Com #602H, which will be drilled from surface hole
 locations in the SE/4 SW/4 (Unit N) of Section 14 to bottom hole locations
 in the NW/4 NW/4 (Unit D) of Section 11; and

- e. Grayling 14 Fed Com # 303H, Grayling 14 Fed Com #503H, and Grayling 14 Fed Com #603H, which will be drilled from surface hole locations in the SE/4 SW/4 (Unit N) of Section 14 to bottom hole locations in the NE/4 NW/4 (Unit C) of Section 11.
- 3. The completed intervals of the Wells will be orthodox.

5. Applicant has undertaken diligent, good-faith efforts to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the Wells but has been unable to obtain voluntary agreements from all of the mineral interest owners.

6. The pooling of uncommitted mineral interests will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

7. Approval of a non-standard horizontal spacing unit is necessary to prevent waste and protect correlative rights.

8. In order to allow Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted mineral interests in the Unit should be pooled and Applicant should be designated the operator of the Wells and Unit.

WHEREFORE, Applicant requests this application be set for hearing on March 7, 2024 and that, after notice and hearing, the Division enter an order:

- A. Pooling all uncommitted interests in the Unit;
- B. Approving a non-standard horizontal spacing unit pursuant to 19.15.16.15(B)(5)
   NMAC;
- C. Approving the Wells in the Unit;
- D. Designating Applicant as operator of the Unit and the Wells to be drilled thereon;
- E. Authorizing Applicant to recover its costs of drilling, equipping and completing the Wells;
- F. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- G. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the Wells against any working interest owner who does not voluntarily participate in the drilling of the Wells.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy Dana S. Hardy Jaclyn M. McLean P.O. Box 2068 Santa Fe, NM 87504-2068 Phone: (505) 982-4554 Facsimile: (505) 982-8623 dhardy@hinklelawfirm.com jmclean@hinklelawfirm.com *Counsel for Avant Operating, LLC* 

Application of Avant Operating, LLC for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Lea County, New Mexico. Avant Operating, LLC ("Applicant") applies for an order: (1) establishing a 1,280-acre, more or less, non-standard horizontal spacing unit comprised of Sections 11 and 14, Township 19 South, Range 32 East, Lea County, New Mexico ("Unit"); and (2) pooling all uncommitted interests in the Bone Spring formation underlying the Unit. The Unit will be dedicated to the following wells ("Wells"): Grayling 14 Fed Com #305H, Grayling 14 Fed Com #306H, Grayling 14 Fed Com #505H, Grayling 14 Fed Com #506H, Grayling 14 Fed Com #605H, and Grayling 14 Fed Com #606H, which will be drilled from surface hole locations in the SW/4 SE/4 (Unit O) of Section 14 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 11; Grayling 14 Fed Com # 304H, Grayling 14 Fed Com #504H, and Grayling 14 Fed Com #604H, which will be drilled from surface hole locations in the SW/4 SE/4 (Unit O) of Section 14 to bottom hole locations in the NW/4 NE/4 (Unit B) of Section 11; Grayling 14 Fed Com #301H, Grayling 14 Fed Com #501H, Grayling 14 Fed Com #601H, which will be drilled from surface hole locations in the SW/4 SW/4 (Unit M) of Section 14 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11; Grayling 14 Fed Com # 302H, Grayling 14 Fed Com #502H, and Grayling 14 Fed Com #602H, which will be drilled from surface hole locations in the SE/4 SW/4 (Unit N) of Section 14 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11; and Grayling 14 Fed Com # 303H, Grayling 14 Fed Com #503H, and Grayling 14 Fed Com #603H, which will be drilled from surface hole locations in the SE/4 SW/4 (Unit N) of Section 14 to bottom hole locations in the NE/4 NW/4 (Unit C) of Section 11. The completed intervals of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the cost, the designation of Applicant as the operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 33 miles west of Hobbs, New Mexico.

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### **EXECUTIVE SUMMARY**

- Avant Natural Resources was founded in late 2018 and has since deployed over several hundred million dollars of equity capital in the Permian Basin
  - Built and exited prolific Midland Basin royalty position between 2019 2022
  - Investor base comprised of sophisticated family offices and institutions with a strong knowledge of oil and gas
  - Established initial operated position in New Mexico in late 2020
  - Assembled top-tier team with >100 years of industry experience across 650+ horizontal wells in the Permian
  - 100+ successfully executed acquisitions since inception, ranging from ~\$50,000 to nearly \$200 million
  - 45+ horizontal wells drilled by Avant since late 2021, all located in the New Mexico Delaware Basin
- Today, Avant holds >16,000 net acres, largely concentrated within core fairways of Lea and Eddy Counties, New Mexico
  - Actively operating two rigs across Lea and Eddy Counties, with plans to add a third rig in 4Q24
  - Avant has developed or is actively developing wells across >6 zones across the Avalon, Bone Spring and Wolfcamp
  - Superior operational execution, with record drilling and completion timing has driven responsible development of our assets
  - Top-tier well results across multiple zones further validates Avant's development approach and asset quality
  - Midstream infrastructure in place for oil, gas and water to support optimal development of the Grayling unit
  - Avant has been among the most active operators in the area proximal to its Grayling unit in the last 2+ years
- Based on its extensive operating experience to-date, in-depth knowledge of the area and secured midstream takeaway, Avant is the ideal operator for its Grayling unit



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### HIGH QUALITY MANAGEMENT TEAM

	Jacob Nagy	Co-CEO	16 years experience	<ul> <li>Co-founder of Avant Operating and Avant Royalties</li> <li>Previously Partner and Managing Director at Petrie Partners, an energy investment bank</li> </ul>	B.A. Rice University
	Skyler Gary	Co-CEO	13 years experience	<ul> <li>Co-founder of Avant Operating and Avant Royalties</li> <li>Previously Director of Land and BD for Hat Creek Energy with multiple assets across several states</li> </ul>	B.A. University of San Diego
	Pete Williams	CFO	12 years experience	<ul> <li>Previously investment banker with Petrie Partners</li> <li>Over \$25 billion of completed asset transactions, company mergers and capital raises</li> </ul>	B.A. University of Colorado
	Braden Harris	SVP Operations	21 years experience	<ul> <li>Previously Vice President of Drilling and Completions at Advance Energy Partners</li> <li>Previously worked at Centennial and EOG</li> </ul>	B.S. Montana State University
A COL	John Harper	SVP Assets and Exploration	10 years experience	<ul> <li>Previously worked at Centennial and EOG</li> <li>350+ wells drilled across multiple geologic targets in the Permian, set multiple records</li> </ul>	B.S. University of Georgia M.S. Colorado School of Mines
	Shelly Albrecht	VP Land & Business Development	18 years experience	<ul> <li>Previously the Director of Land and Business Development at Franklin Mountain</li> <li>Assembled &gt;400,000 acres across multiple states</li> </ul>	B.A. University of Oklahoma
	Shane Kelly	VP Engineering	11 years experience	<ul> <li>Previously worked at Centennial and EOG</li> <li>Managed an annual budget of &gt;\$1 billion with responsibility over rigs, production and capital</li> </ul>	B.S. and B.A. Texas Tech University
	Sam Arneson	VP of Midstream and Marketing	19 years experience	<ul> <li>Multiple prior roles with Permian midstream companies</li> <li>Developed &gt;1 MMBbl / 7 Bcf of gathering infrastructure</li> </ul>	B.S. St. Cloud State University

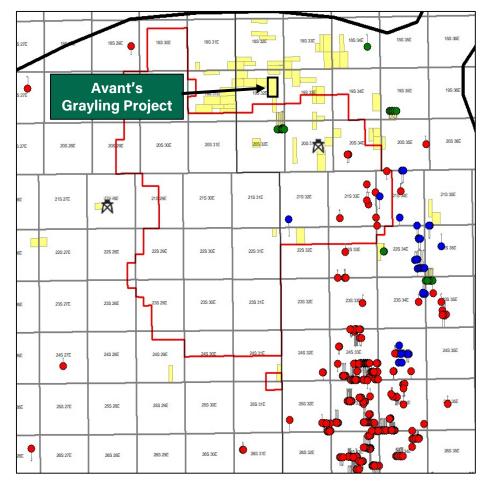


### **AVANT TEAM BY THE NUMBERS**

#### **Team Highlights\***

- >100 years of combined industry experience
- Drilled 650+ horizontal wells in the Permian
- Perforated 3+ million lateral feet
- Produced over 85+ million barrels of oil
- Over \$4 billion of capex deployed
- Successfully closed \$50+ billion of transactions
- 250+ acquisitions, divestitures and trades
- 600,000+ acres assembled in multiple states
- \$200+ million of managed principal investments

### **New Mexico Experience Map**



**Avant New Mexico Permian Position Overview** >16,000 net acres 2 active rigs >15,000 Boepd operated production 47 wells drilled since 2021

Operating highlights based on Avant and prior employers' activities.

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Avant Operating, LLC Case No. 24254 Exhibit A-5

- EOG Horizontal Well Experience (317)
- CDEV Horizontal Well Experience (37)
- Avant Operating Horizontal Well Experience (47)
- Avant Operated Rig (2)

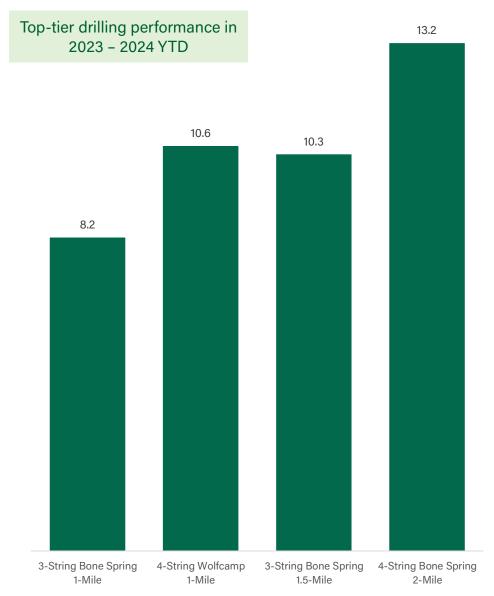
Avant Operating

## **OPERATIONAL EXCELLENCE TO-DATE**

#### Overview

- Avant began to assemble its operating team in late 2019
- Majority of team came from EOG and/or Centennial, Advance Energy Partners
- Drilled/completed/operated 400+ horizontal wells in the Delaware Basin prior to Avant
- Avant team successfully managed a continuous drilling program over 2023 and into 2024
- Drilled >45 Avant-operated horizontal wells to-date
- Records include 1mi lateral (3-string) in 7 days and 2mi lateral (4-string) in 11 days
- Average pump time for completions is 20+ hours
- Consistently delivered well costs 5-10% under budget in 2023

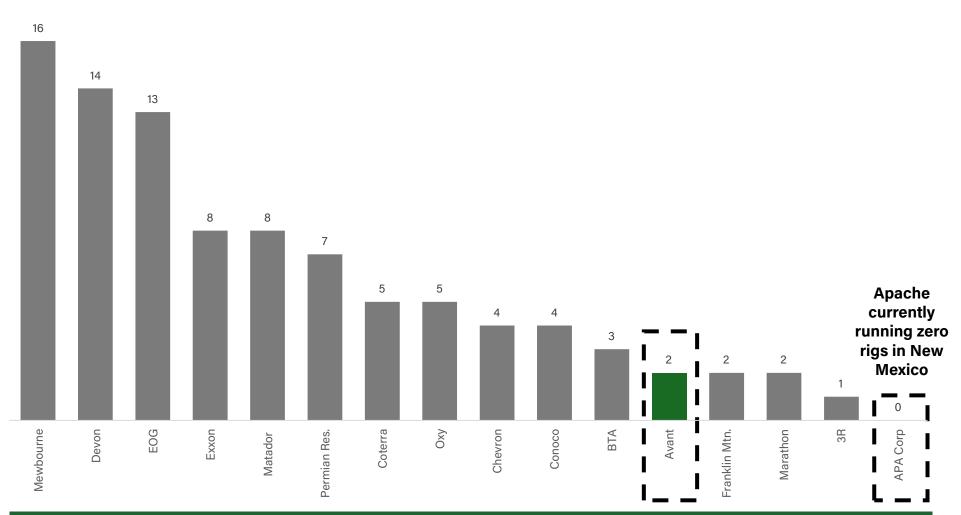
#### Average Spud to TD for 2023 / 2024 Wells (Days)





### **AVANT - HIGHLY ACTIVE NEW MEXICO OPERATOR**

**Current Active New Mexico Horizontal Rig Count by Operator** 

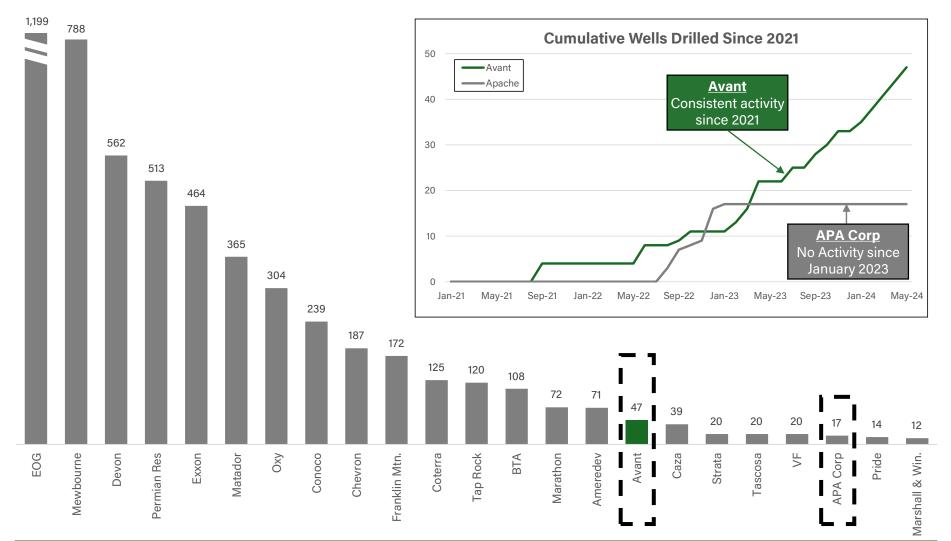


#### Avant is currently executing a 2-rig development program in New Mexico, and has had at least one rig operating constantly since January 2023

Source: Enverus.

### **AVANT RELATIVE ACTIVITY SINCE 2021**

#### Horizontal Wells Drilled in the New Mexico Permian Basin by Operator Since 2021



#### Avant has been a consistently active operator in New Mexico dating back to 2021, drilling nearly 3x as many wells as APA Corp during that timeframe

Source: Enverus.

#### Page 31 of 347

### **GENERAL LOCATION MAP**

#### General Location Map: ALL of Sections 11 & 14, Township 19 South, Range 32 East, N.M.P.M, Lea County, New Mexico

7	8	9	10	11	12	7	8	9	10	11	12	7	8	9	10	11	12
18	17	16	15	14	13	18	17	16	15	14	13	18	17	16	15	14	13
19	20	2 <mark>185</mark>	31 <u>5</u> 2	23	24	19	20	21 <b>85</b>	32E22	23	24	19	20	2 <mark>185</mark>	<b>33е</b> 22	23	24
30	29	28	27	26	25	30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36
6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10	11	12	7	8	9	10	11	12	7		Pro	opos	ed	
18	17	16	15	14	13	18	17	16	15	14	13	18	L.,.	Spac			
		195	31E	-				195	32E					195	33E	LEA	
19	20	21	22	23	24	19	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36	31	32 1	guna Ionto	34	35	36
6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10	11	12	7	8	9	Plata 10	11	12	7	8	9	10	11	12
18	17	16 <b>205</b>	15 <b>31</b> E	14	13	18	17	16 <b>205</b>	15 <b>32E</b>	14	13	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	na 17	16 205	15 <b>33E</b>	14	13
19	20	21	22	23	24	19	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	3.6	- 21	32	22	34	35	36	- 31	3.2	22	34	35	36



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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

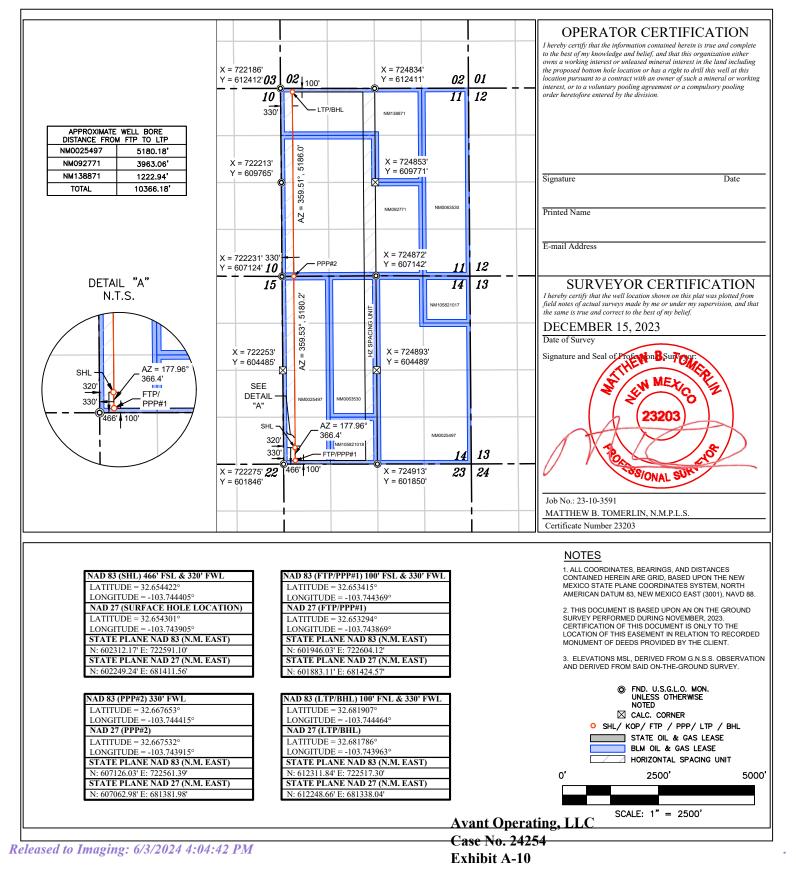
#### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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AMENDED REPORT

API Number			F	Pool Code		Pool Name				
			4	1442	LUSK;BONE SPRING, EAST					
Property Code				Property Name	Well Number					
				GRA	#301H					
OGRID No.				Elevation						
330396			AVAN	NT OPERATING	, LLC	3620'				
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	14	19 S	32 E		466	SOUTH	320	WEST	LEA	
	Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Township Range		Feet from the	North/South line	Feet from the	East/West line	County	
D	11	19 S	32 E		100	NORTH	330	WEST	LEA	
Dedicated Acres	Joint or	Infill	Consolidation Cod	le Ord	ler No.		,			
1280.00										

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 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazzos 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

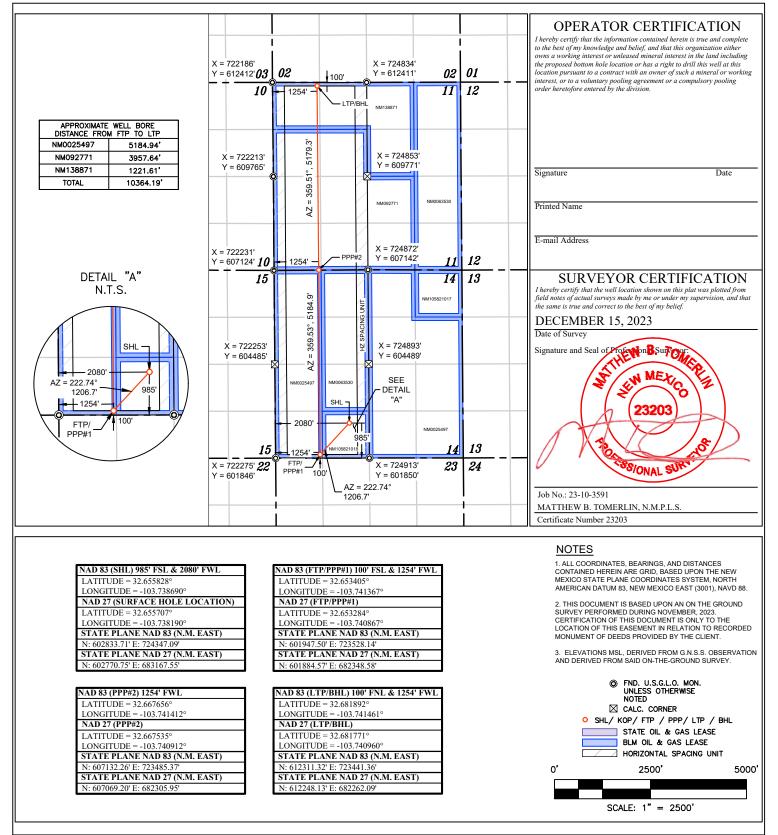
Page 33 of 347 Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number				Pool Code		Pool Name				
			4	1442		LUSK;BONE SPRING, EAST				
Property Code		Property Name GRAYLING 14 FED COM						Well Number		
				GR/	#302H					
OGRID No.				Elevation						
330396				AVA	NT OPERATING	i, LLC	3623'			
Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
N	14	19 S	32 E		985	SOUTH	2080	WEST	LEA	
	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	11	19 S	32 E		100	NORTH	1254	WEST	LEA	
Dedicated Acres	Joint or	Infill	Consolidation Cod	le Oi	rder No.		•	•		
1280.00										

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 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazzos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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

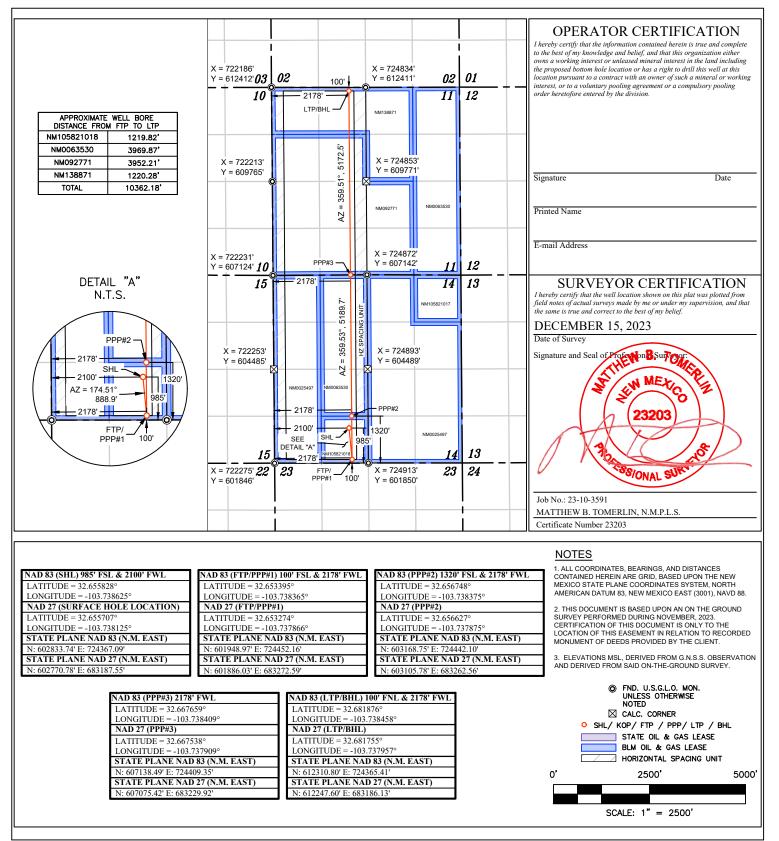
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AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number			-	Pool Code		Pool Name					
			4	1442		LUSK;BONE SPRING, EAST					
Property Code		Property Name					Well Number				
				GR/	AYLING 14 FED (	#303H					
OGRID No.					Elevation						
330396				AVA	NT OPERATING	, LLC	3625'				
Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
N	14	19 S	32 E		985	SOUTH	2100	WEST	LEA		
	Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Township Range I		Feet from the	North/South line	Feet from the	East/West line	County		
С	11	19 S	32 E		100	NORTH	2178	WEST	LEA		
Dedicated Acres	Joint or	Infill	Consolidation Cod	le Oi	rder No.		•				
1280.00											

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.



#### Page 34 of 347

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

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

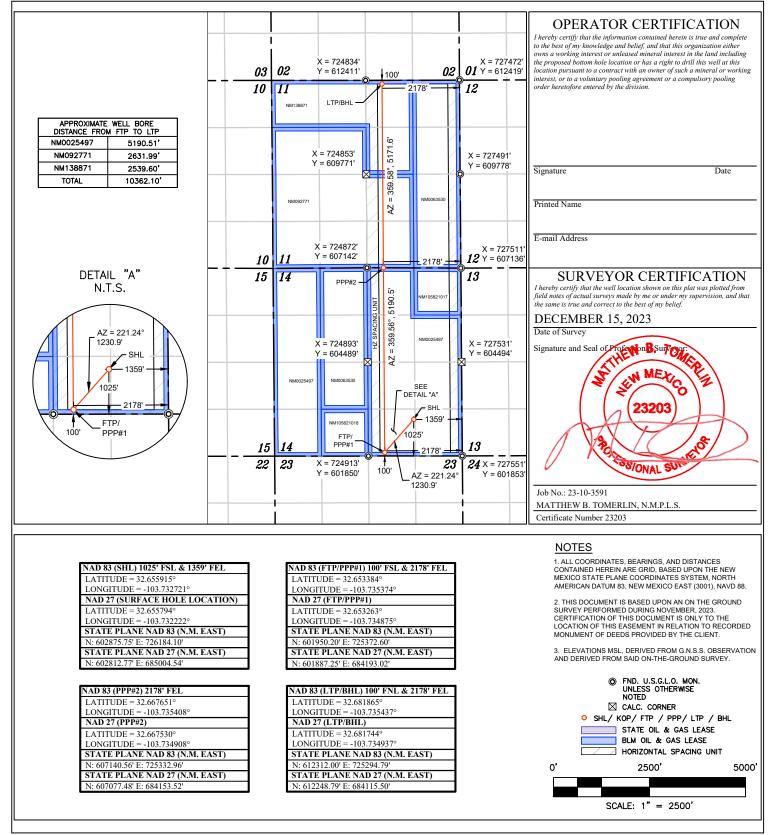
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AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number				Pool Code		Pool Name				
			4	41442 LUSK;BONE SPRING, EAST						
Property Code		Property Name						Well Number		
				GRA	YLING 14 FED	#304H				
OGRID No.				Eleva	Elevation					
330396				AVAI	NT OPERATING	G, LLC	3624'			
Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
0	14	19 S	32 E		1025	SOUTH	1359	EAST	LEA	
	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	
В	11	19 S	32 E		100	NORTH	2178	EAST	LEA	
Dedicated Acres	Joint or	Infill	Consolidation Cod	de Or	der No.		•			
1280.00										

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.



Page 35 of 347

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

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

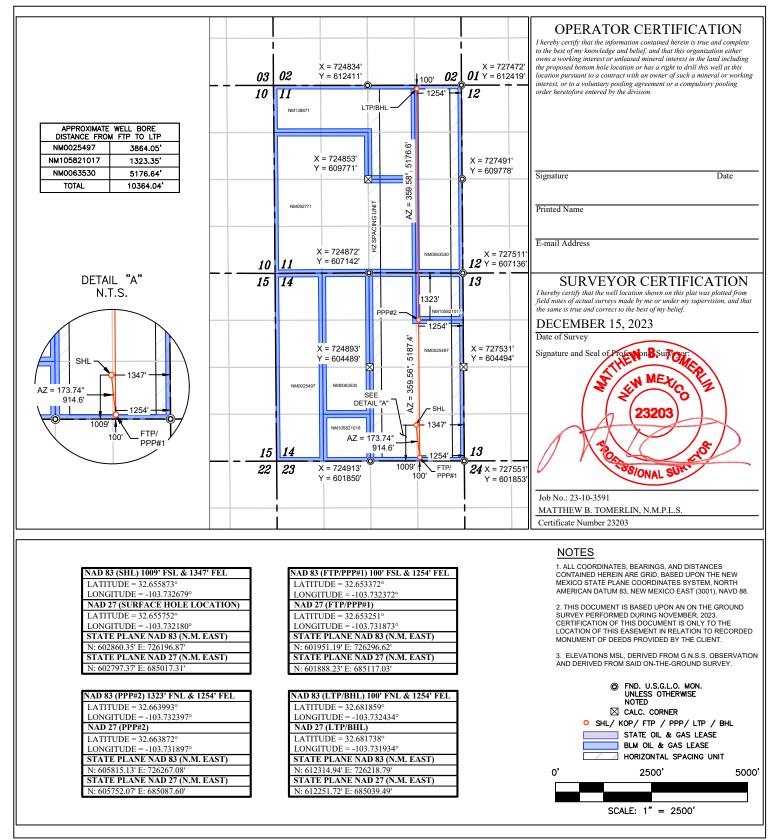
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AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number				Pool Code		Pool Name			
			4	41442 LUSK;BONE SPRING, EAST					
Property Code				Well Number					
				GRA	#305	#305H			
OGRID No.					Elevation				
33039	330396			AVA	NT OPERATING	i, LLC	3623'		
Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	14	19 S	32 E		1009	SOUTH	1347	EAST	LEA
			Bot	tom Hole	Location If Dif	ferent From Surfa	ice		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	11	19 S	32 E		100	NORTH	1254	EAST	LEA
Dedicated Acres	Joint or	Infill	Consolidation Co	de O	rder No.		•	•	
1280.00									

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 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazzos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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

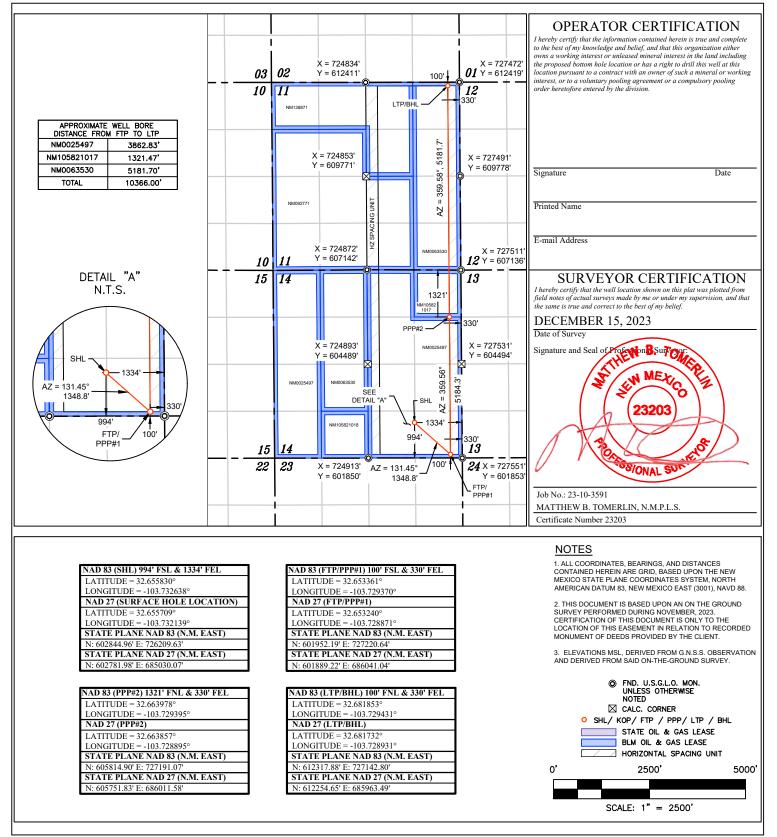
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AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number			Pool Code							
			4	41442			LU	SK;BONE SPR	ING, EAST		
Property Co	ode				Property				Well Nu		
				GF	Rayling 1	4 FED (	COM		#306	бH	
OGRID No	).				Operato				Elevat	tion	
33039	6		AVANT OPERATING, LLC 3623								
					Surface l	Locatio	n				
UL or lot no.	Section	Township	Range	Range Lot Idn		n the	North/South line	Feet from the	East/West line	County	
0	14	19 S	32 E		994		SOUTH	1334	EAST	LEA	
			Bot	tom Hol	e Location	If Diff	Ferent From Surfa	ice			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	n the	North/South line	Feet from the	East/West line	County	
A	11	19 S	32 E		100	)	NORTH	330	EAST	LEA	
Dedicated Acres	Joint or	Infill	Consolidation Co	de	Order No.			•			
1280.00											

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.



### Page 37 of 347

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesin, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazzos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

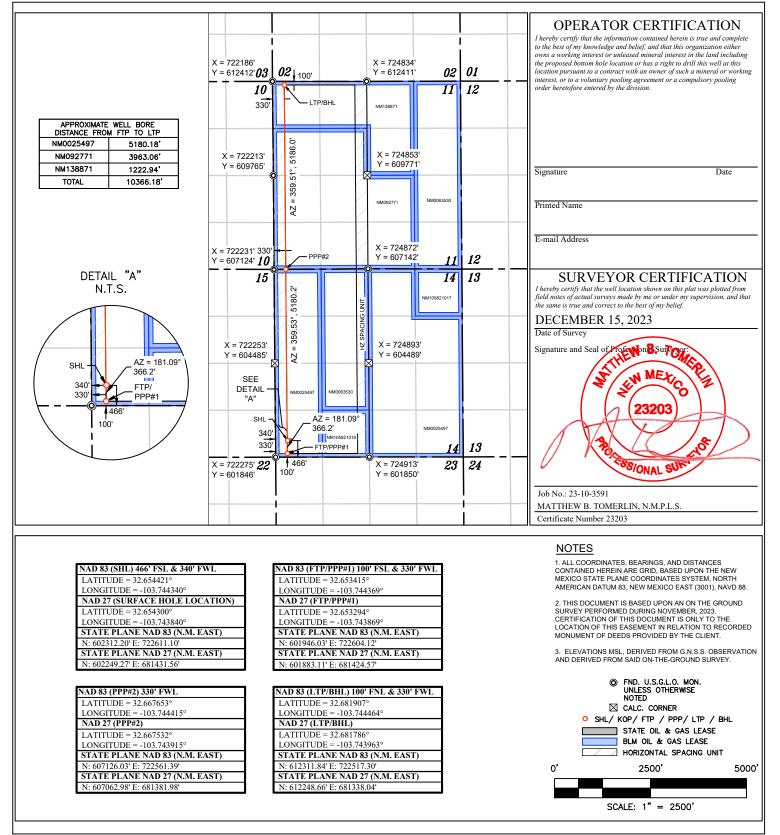
### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number		Pool Code			Pool Name					
			4	1442		LUSK	;BONE SPRIN	G, EAST	, EAST		
Property Co	ode		•		Property Name	Well Nu	mber				
				GRA	AYLING 14 FE	D COM		#501	1H		
OGRID No	).				Operator Name		Elevat	tion			
330390	5		AVANT OPERATING, LLC 3621'								
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	14	19 S	32 E		466	SOUTH	340	WEST	LEA		
L I			Bot	tom Hole	Location If D	Different From Surfa	ice	4			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
D	11	19 S	32 E		100	NORTH	330	WEST	LEA		
Dedicated Acres	Joint or	Infill	Consolidation Co	-1							
1280.00											



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

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

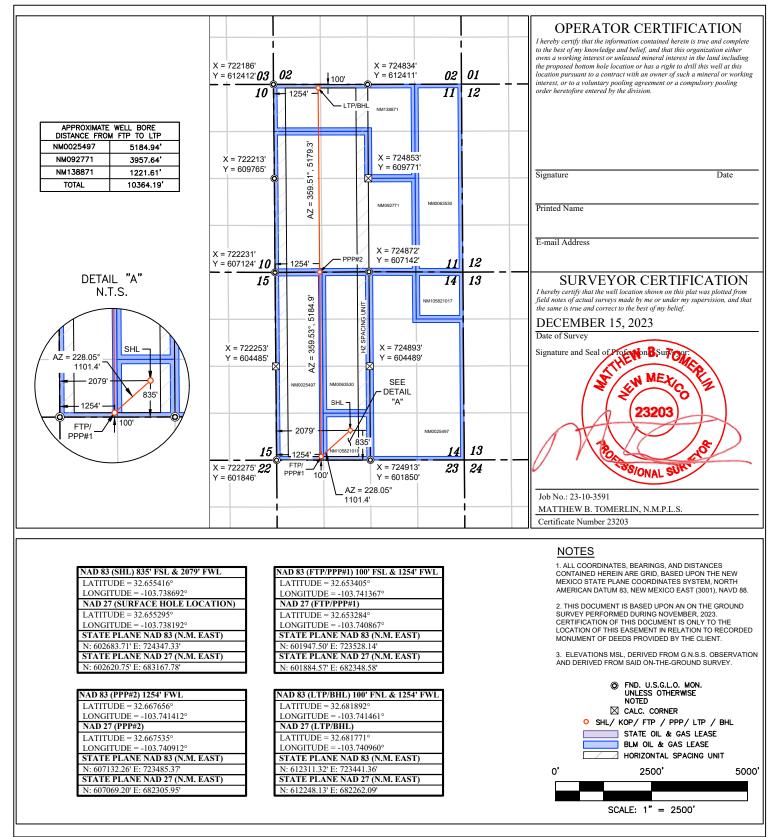
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AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number		-	Pool Code			Pool Name			
			41	442			LUSK;BONE S	PRING, EAST		
Property Co	ode				Property Name	Well Number				
				GRA	AYLING 14 FED (	COM		#502	2H	
OGRID No	).				Operator Name			Elevat	ion	
330396	5		AVANT OPERATING, LLC 3624							
					Surface Locatio	n				
UL or lot no.	Section	Township	Range	Range Lot Idn Feet from the North/South line Feet from the					County	
N	14	19 S	32 E		835	SOUTH	2079	WEST	LEA	
			Bott	om Hole	Location If Diff	ferent From Surfa	ice	•		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
D	11	19 S	32 E		100	NORTH	1254	WEST	LEA	
Dedicated Acres	Joint or	Infill	Consolidation Cod	le Oi	rder No.			1		
1280.00										

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.



### Page 39 of 347

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

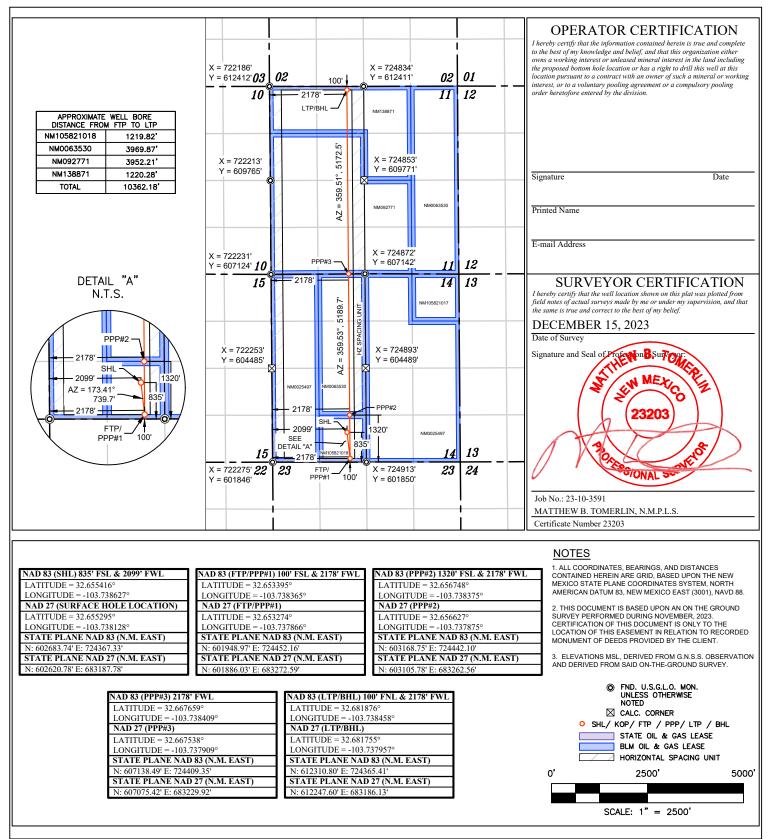
### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

AP	I Number			Pool Code		Pool Name					
			4	1442		L	USK;BONE SP	RING, EAST			
Property C	ode		•	0.04	Property Nam			Well Nu			
				GR/	AYLING 14 FE			#50	3H		
OGRID N	0.				Operator Nam		Eleva	tion			
330396	5		AVANT OPERATING, LLC 3623								
Surface Location											
UL or lot no.	Section	Township	Range	Range Lot Idn Feet from the North/South line Feet from the					County		
N	14	19 S	32 E		835	SOUTH	2099	WEST	LEA		
		1	Bot	tom Hole	Location If I	Different From Surf	ace	•			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
С	11	19 S	32 E		100	NORTH	2178	WEST	LEA		
Dedicated Acres	Joint or	Infill	Consolidation Co	de Oi	rder No.		•	•			
1280.00											



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: (605) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3460

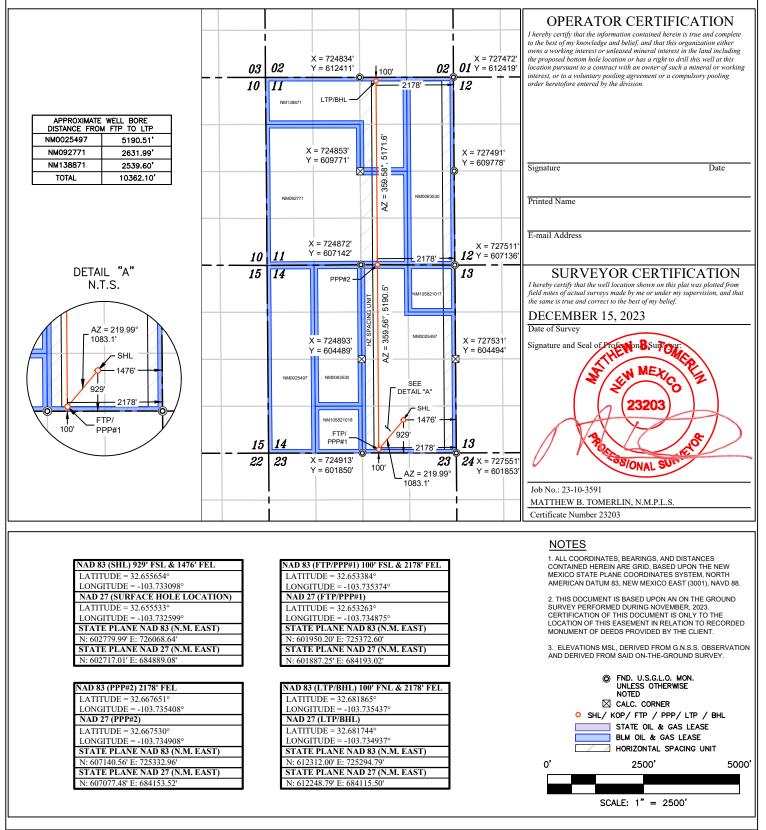
### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number			Pool Code		Pool Name					
			4	1442		LUSK;BONE SPRING, EAST					
Property Co	ode				Property N				Well Number		
				GRA	AYLING 14	FED C	OM		#504	4H	
OGRID No	).				Operator 1				Eleva	Elevation	
330396	5		AVANT OPERATING, LLC 3624'								
Surface Location											
UL or lot no.	Section	Township	Range	Feet from t	he	North/South line	Feet from the	East/West line	County		
0	14	19 S	32 E		929		SOUTH	1476	EAST	LEA	
		I	Bot	tom Hole	Location 1	If Diff	erent From Surfa	ice			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from t	he	North/South line	Feet from the	East/West line	County	
В	11	19 S	32 E		100		NORTH	2178	EAST	LEA	
Dedicated Acres	Joint or	Infill	I Consolidation Code Order No.								
1280.00											



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: (605) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3460

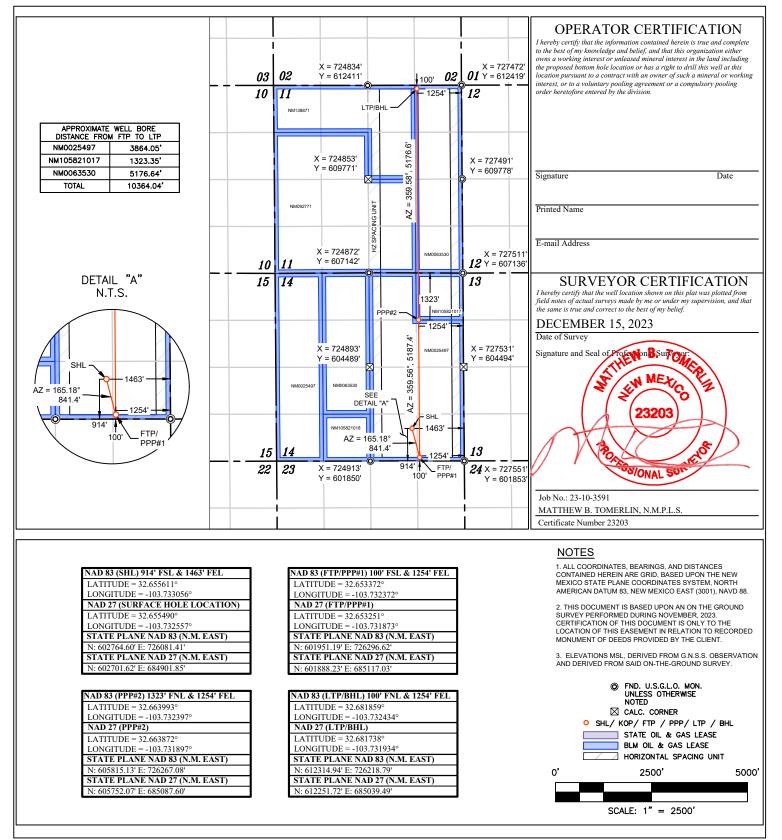
### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

AP	Number		Pool Code			Pool Name					
			4	1442		LUS	SK;BONE SPRI	NG, EAST			
Property C	ode		•	0.5.4	Property Name			Well Nu			
				GRA	YLING 14 FE	D COM		#505	БН		
OGRID N	э.				Operator Name		Elevation				
330396	5		AVANT OPERATING, LLC 3624								
Surface Location											
UL or lot no.	Section	Township	ip Range Lot Idn		Feet from the	North/South line	Feet from the	East/West line	County		
0	14	19 S	32 E		914	SOUTH	1463	EAST	LEA		
			Bot	tom Hole	Location If D	Different From Surfa	ice				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
A	11	19 S	32 E		100	NORTH	1254	EAST	LEA		
Dedicated Acres 1280.00	Joint or	Infill	Consolidation Co	de Or	der No.						



 Bistrict 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, Aztee, NM 87410

 Phone: (505) 334-6178 Fax: (505) 334-6170

 District IV

 1202 S. St. Francis Dr., Santa Fe, NM 87505

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

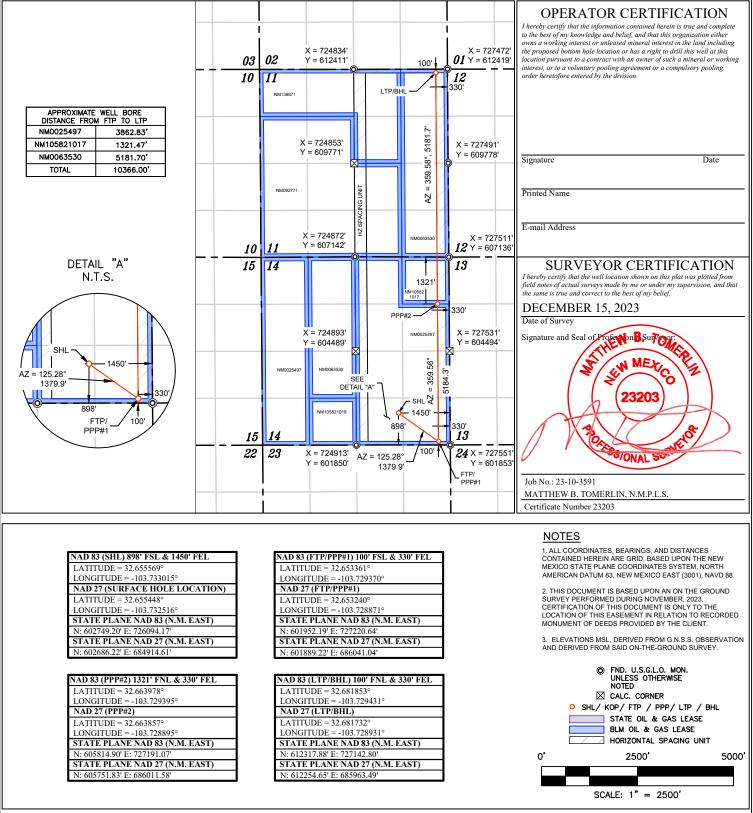
### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number		Pool Code			Pool Name					
			4	1442				LUSK;BONE S	NE SPRING, EAST		
Property Co	ode				Propert				Well Nu	mber	
				G	RAYLING 1	4 FED (	COM		#506	ЗH	
OGRID No	).				Operate	or Name			Elevation		
330396	5		AVANT OPERATING, LLC 3624							4'	
Surface Location									•		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	m the	North/South line	Feet from the	East/West line	County	
0	14	19 S	32 E		898	3	SOUTH	1450	EAST	LEA	
L1			Bot	tom Ho	le Location	n If Diff	erent From Surfa	ice	1		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	m the	North/South line	Feet from the	East/West line	County	
A	11	19 S	32 E		100	)	NORTH	330	EAST	LEA	
Dedicated Acres	Joint or	Infill	Consolidation Co	de	Order No.				1	1	
1280.00											



Received by OCD: 6/3/2024 3:53:53 PM 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. Faneis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

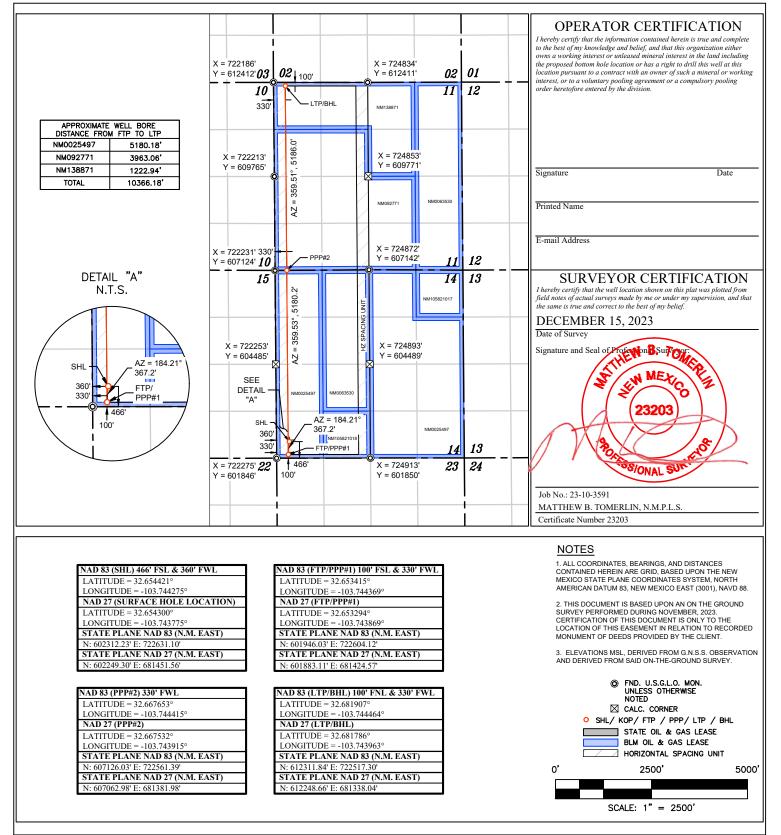
### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number		1	Pool Code		Pool Name					
			4	41442		LUSK;BONE SPRING, EAST					
Property Co	ode			0.0.4	Property Name				Well Number		
				GRA	YLING 14 FED	COM		#601	IH		
OGRID No	).				Operator Name			Elevation			
330396			AVANT OPERATING, LLC 3622'								
					Surface Location	on					
UL or lot no.	Section	Township	Range	Range         Lot Idn         Feet from the         North/South line         Feet from the					County		
М	14	19 S	32 E		466	SOUTH	360	WEST	LEA		
			Bott	om Hole	Location If Dif	ferent From Surfa	ice	<u> </u>			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
D	11	19 S	32 E		100	NORTH	330	WEST	LEA		
Dedicated Acres	Joint or	Infill	ill Consolidation Code Order No.								
1280.00											



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 District I

 1625 N. French Dr., Hobbs, NM 88240

 Phone: (375) 393-6161 Fax: (375) 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, Aztee, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

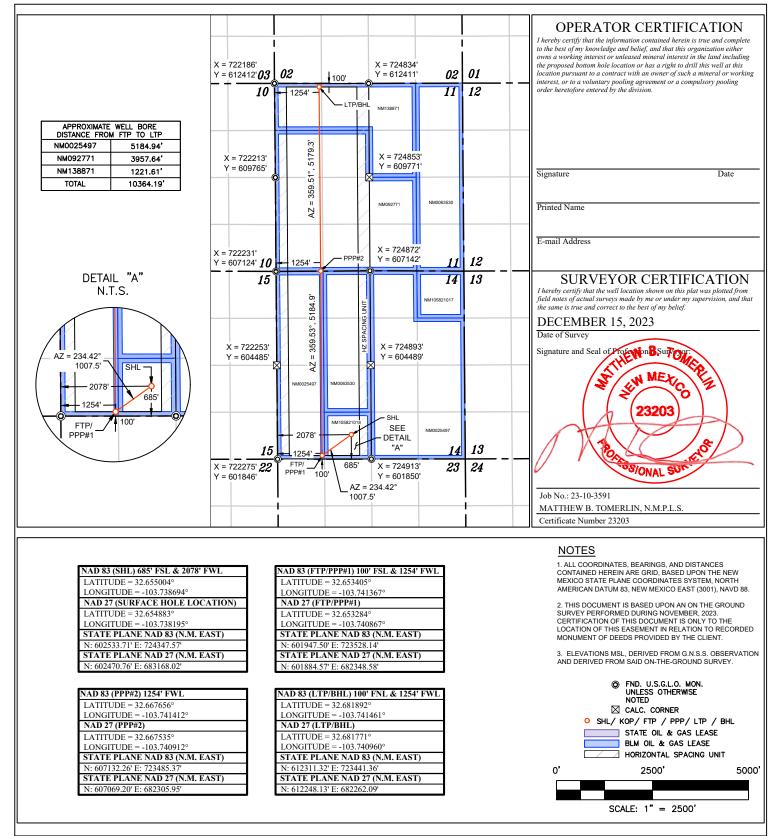
### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number			Pool Code		Pool Name					
			4	1442		LU	USK;BONE SPI	RING, EAST			
Property Co	ode				Property Name	2014		Well Nu			
				GR/	AYLING 14 FED			#602	2H		
OGRID No	).				Operator Name			Elevat	Elevation		
330396	5		AVANT OPERATING, LLC 3623								
Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
N	14	19 S	32 E		685	SOUTH	2078	WEST	LEA		
LL			Bot	tom Hole	Location If Dif	ferent From Surfa	ice				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
D	11	19 S	32 E		100	NORTH	1254	WEST	LEA		
Dedicated Acres	Joint or	Infill	Consolidation Co	de O	rder No.		•	•			
1280.00											



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: (605) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3460

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

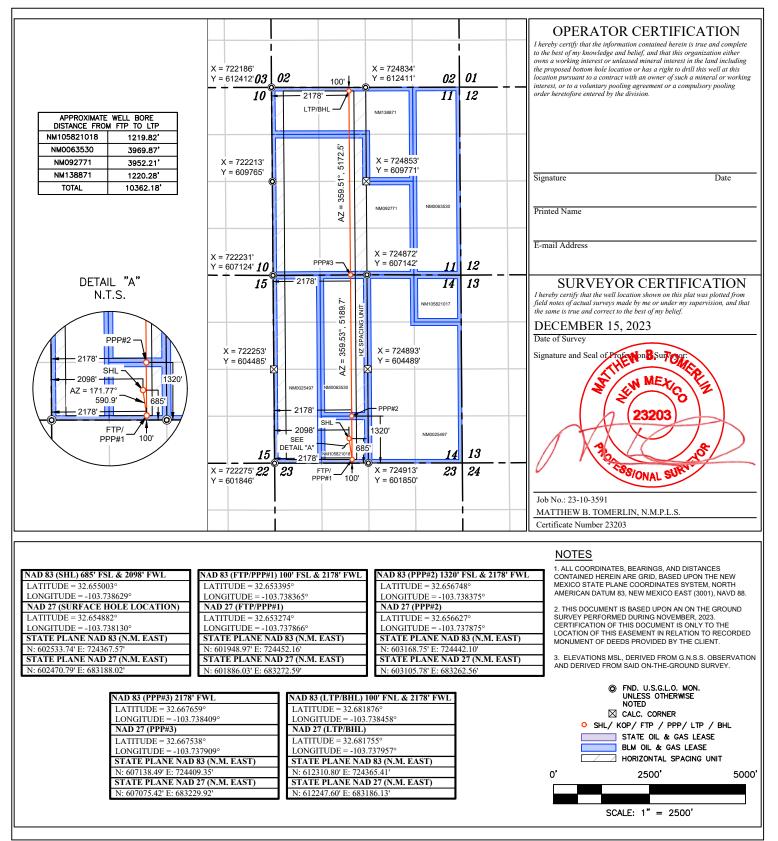
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AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

AP	I Number			Pool Code		Pool Name					
			4	1442		LU	JSK;BONE SPR	ING, EAST			
Property C	ode				Property Nam	Well Nu					
				GRA	YLING 14 FE	ED COM		#60	3H		
OGRID N	0.				Operator Nam	ne		Eleva	tion		
33039	6		AVANT OPERATING, LLC 3623'								
Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
N	14	19 S	32 E		685	SOUTH	2098	WEST	LEA		
			Bot	tom Hole	Location If ]	Different From Sur	face		1		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
С	11	19 S	32 E		100	NORTH	2178	WEST	LEA		
Dedicated Acres	Joint or	Infill	Consolidation Co	de Oi	rder No.		•	•	1		
1280.00											

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.



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 Bistrict I

 1625 N. French Dr., Hobbs, NM 88240

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

 District II

 811 S. First St., Artesia, NM 88210

 Phome: (57) 784-1283 Fax: (575) 748-9720

 District III

 1000 Rio Brazos Road, Aztee, NM 87410

 Phome: (575) 784-1283 Fax: (505) 334-6170

 District IV

 1220 S. K. Francis Dr., Santa Fe, NM 87505

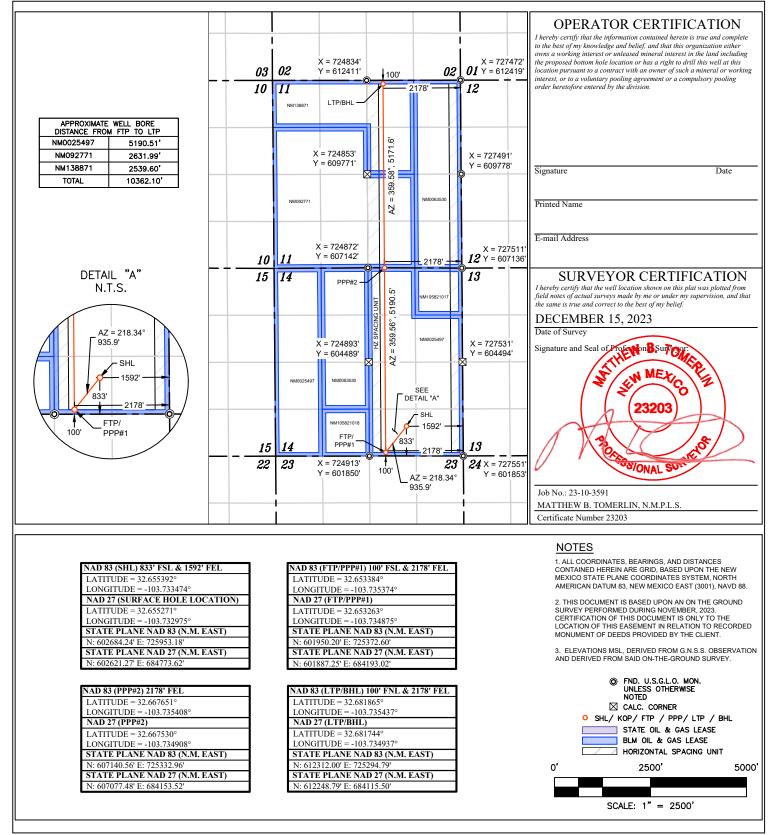
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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AMENDED REPORT

API	Number		Pool Code			Pool Name					
			4	1442			L	USK;BONE SF	RING, EAST		
Property Co	de					y Name			Well Nu	mber	
				GR	AYLING 1	4 FED (	COM		#604	1H	
OGRID No					Operate	or Name			Elevat	Elevation	
330396			AVANT OPERATING, LLC 3628							:8'	
					Surface	Locatio	n				
UL or lot no.	Section	Township	Range	Range Lot Idn		m the	North/South line	Feet from the	East/West line	County	
0	14	19 S	32 E		833	3	SOUTH	1592	EAST	LEA	
1			Bot	tom Hole	e Location	n If Diff	erent From Surfa	ice	1		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	m the	North/South line	Feet from the	East/West line	County	
В	11	19 S	32 E		100	C	NORTH	2178	EAST	LEA	
Dedicated Acres	Joint or	Infill	Consolidation Code Order No.								
1280.00											



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: (605) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3460

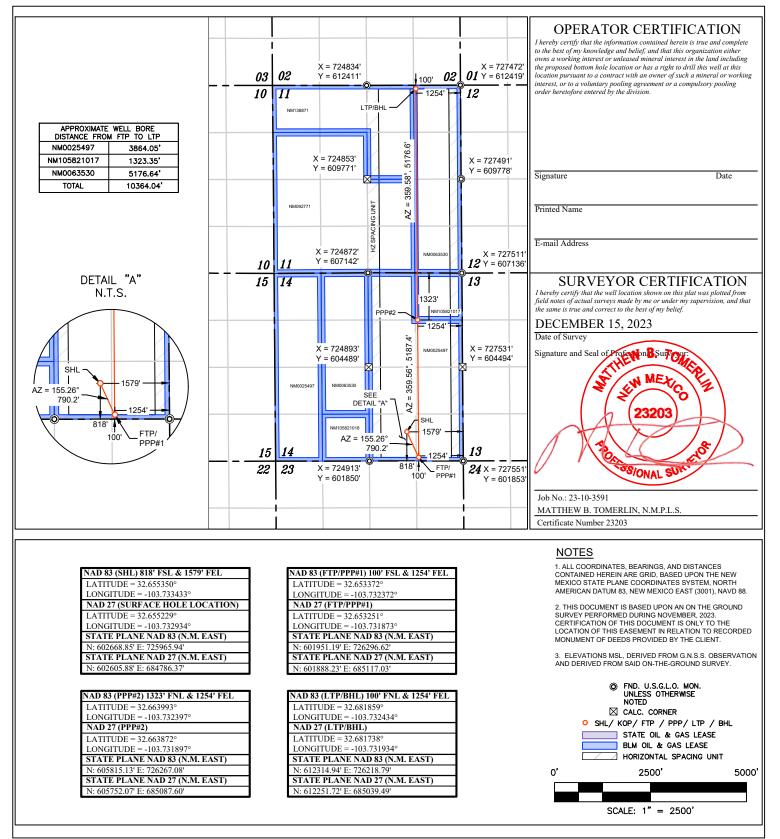
### State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Page 48 of 347 Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number				Pool Code			Pool Name			
41442						LUSK;BONE SPRING, EAST				
Property C	ode				Property Name	erty Name			Well Number	
				GRA	AYLING 14 FED	COM		#605H		
OGRID N	э.				Operator Name			Elevat	Elevation	
330390	5			AVA	NT OPERATING	i, LLC		362	6'	
	Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
0	14	19 S	32 E		818	SOUTH	1579	EAST	LEA	
			Bott	tom Hole	Location If Dif	ferent From Surfa	ice		1	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
A	11	19 S	32 E	32 E 100 NORTH 1254 EAST				EAST	LEA	
Dedicated Acres	Joint or	Infill	Consolidation Co	de Oi	rder No.					
1280.00										



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 Brazzos 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

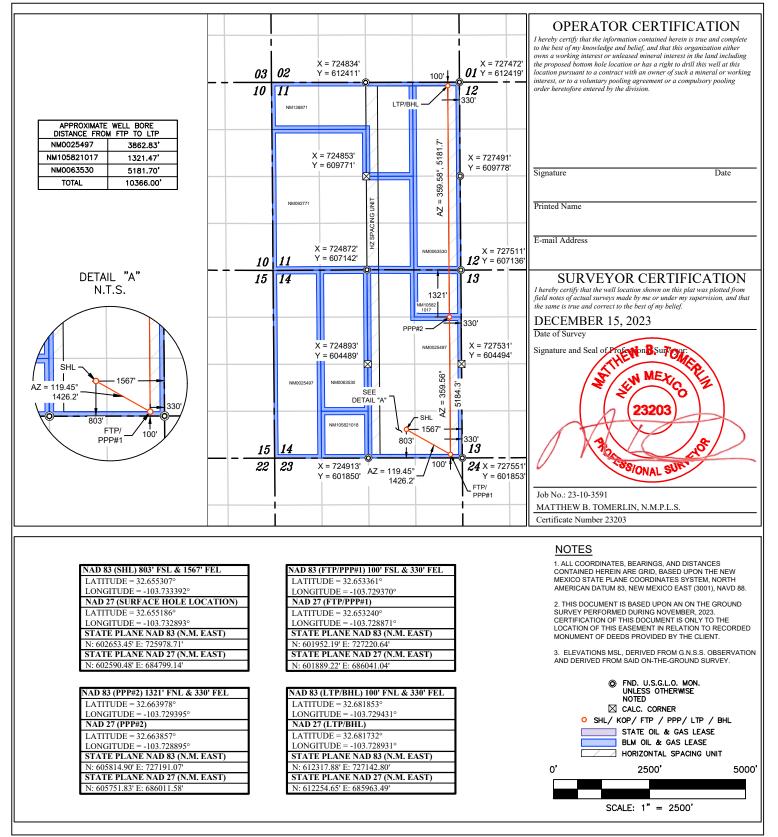
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number Pool Co								Pool Name			
	41442 LUSK;BONE SPRING, EAST										
Property Co	ode				Property Nar					Well Number	
				GR	AYLING 14 F	-ED C	ОМ		#606	6H	
OGRID No	).				Operator Na				Eleva	tion	
33039	6			AVA	ANT OPERAT	TING,	LLC		362	27'	
			Surface Location								
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	e	North/South line	Feet from the	East/West line	County	
0	14	19 S	32 E	32 E 803			SOUTH	1567	EAST	LEA	
<u> </u>	Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	•	North/South line	Feet from the	East/West line	County	
A	11	19 S	32 E         100         NORTH         330         EAST         LEA				LEA				
Dedicated Acres	Joint or	Infill	Consolidation Co	de C	Order No.				1		
1280.00											

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.



### Page 49 of 347

# THE DIVISION'S FACTORS WEIGH IN AVANT'S FAVOR

Factor	Avant	APA Corp	Comment
Geologic Evidence	$\checkmark$	×	<ul> <li>Third Bone Spring: proven productive formation (Avant's Cutbow unit due south) that APA is excluding</li> <li>4 wells per section development leaves economic reserves behind</li> </ul>
Risk	$\checkmark$	×	<ul> <li>APA hasn't drilled a well within a 10-mile radius of Grayling Unit</li> <li>Avant has recently developed the First, Second and Third Bone Spring 2 miles to the south at Avant's Cutbow Unit</li> </ul>
Negotiations	$\checkmark$	×	<ul> <li>Avant made multiple attempts to engage in trade discussions with APA</li> <li>APA never truly engaged – would counter Avant's proposals with inequitable trades</li> <li>Avant proposed splitting the unit with APA, which APA immediately rejected</li> </ul>
Prudent Operator and Prevent Waste	$\checkmark$	×	<ul> <li>Avant has successful First and Third Bone Spring wells as 6 wells/sec spacing located 2mi south; APA only planning 4 wells/sec (0 wells in the Third Bone Spring)</li> <li>Avant's plan captures 126% more reserves than APA</li> </ul>
Cost Estimates	$\checkmark$	×	<ul> <li>Avant has a dedicated two rig program in the area, creating capital efficiencies and reducing costs, as well as a nearby water recycling facility for frac</li> <li>Avant has infrastructure for gas, oil and water takeaway, reducing operational costs</li> </ul>
Ownership Interest	$\checkmark$	×	<ul> <li>50% of the working interest in the unit owned by Avant or committed to Avant</li> <li>APA owns 49% of the working interest in the unit</li> </ul>
Surface Factor	$\checkmark$	×	<ul> <li>Avant has significant development activity within a 5-mile radius of Grayling Unit</li> <li>Avant has existing gas, oil and water takeaway reducing costs and demonstrating development readiness, including water recycling facilities for frac</li> </ul>
			Dperating, LLC AVANT OPERATING, LLC – GRAYLING 14 FED COM 9 0. 24254

Exhibit A-11

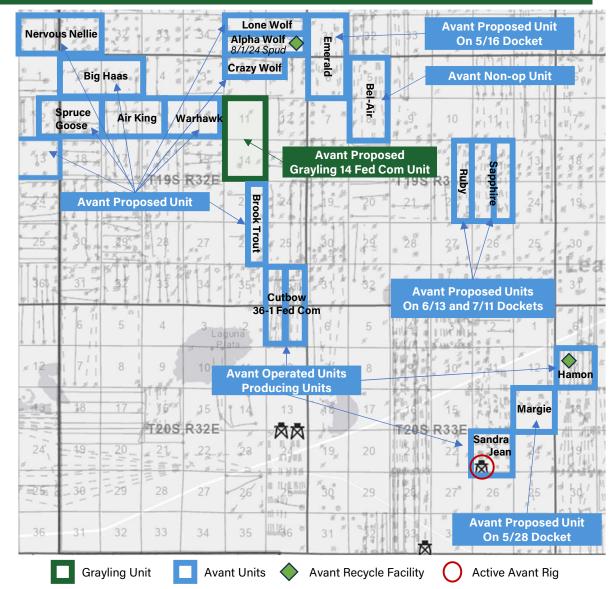
### Page 51 of 347

# AVANT IS VERY ACTIVE IN THIS AREA

## Avant has significant acreage and operations surrounding its proposed Grayling Unit

- Avant is extremely active in the 10-mile radius of the proposed Grayling unit
  - Avant has turned 40 wells to production between February 2022 and April 2024
  - Avant has 4 wells actively being completed as of May 19
- APA's last well drilled and completed was in January 2023
- Avant has been able to obtain 86 permits in this area. <u>APA Corp has no active permits in this 10</u> <u>mile radius</u>

Activity within a 10mi Radius of Grayling					
	Active	Active			
	Permits	Rigs			
Permian Resources	91	2			
Avant	86	1			
Matador	34	1			
Mewbourne	34				
Coterra	7				
Devon	4				
Exxon	4				
Marathon	2				
V-F PETROLEUM INC.	1				
APA Corp					



Source: Enverus.

Avant Operating, LLC Case No. 24254 Exhibit A-12

# **DEVELOPMENT SCHEDULE AND PERMITTING STATUS**

## Near-term permit approval and development timing with Avant Development Plan

Avant Proposed	razy Wolf	alle all	Pad	Well Name	Permit Submitted	Permit Approved	Spud Date
Unit		1 6 I	1	Grayling 14 Fed Com #301H	Mar-24	Estimated 12/1/24	Jul-25
		1 07	2	Grayling 14 Fed Com #302H	Apr-24	Estimated 12/1/24	Jul-25
Warhawk	1 1.90	B - *	2	Grayling 14 Fed Com #303H	Apr-24	Estimated 12/1/24	Jul-25
warnawk	1 1 40 1	o /	3	Grayling 14 Fed Com #304H	Feb-24	Estimated 12/1/24	Jul-25
11 . 2 . 2		11 1 11	3	Grayling 14 Fed Com #305H	Feb-24	Estimated 12/1/24	Jul-25
1 361 1 1	4 # 13	1 18	3	Grayling 14 Fed Com #306H	Feb-24	Estimated 12/1/24	Jul-25
TINC TOTE	+ ¥	ASK N N	1	Grayling 14 Fed Com #501H	Mar-24	Estimated 12/1/24	May-25
	1501	1	2	Grayling 14 Fed Com #502H	Apr-24	Estimated 12/1/24	May-25
Avant Proposed Grayling 14 Fed Com Unit	<b>₽</b> 224	19s	2	Grayling 14 Fed Com #503H	Apr-24	Estimated 12/1/24	May-25
121 d 9 1 d	Brook	化基式片	3	Grayling 14 Fed Com #504H	Feb-24	Estimated 12/1/24	May-25
28 27 3	Trout 25	50	3	Grayling 14 Fed Com #505H	Feb-24	Estimated 12/1/24	May-25
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3	Grayling 14 Fed Com #506H	Feb-24	Estimated 12/1/24	May-25
MATER AND	1921 101 101	A H B H	1	Grayling 14 Fed Com #601H	Mar-24	Estimated 12/1/24	Feb-25
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cutbow	# 31. *	2	Grayling 14 Fed Com #602H	Apr-24	Estimated 12/1/24	Feb-25
Avant Operated Units Avant Producing Units	36-1 Fed Co	0 8 8	2	Grayling 14 Fed Com #603H	Apr-24	Estimated 12/1/24	Feb-25
Frac Crew Running Now		1 4 4	3	Grayling 14 Fed Com #604H	Feb-24	Estimated 12/1/24	Feb-25
I 4 3 Laguna	2 . 11 11	161	3	Grayling 14 Fed Com #605H	Feb-24	Estimated 12/1/24	Feb-25
Plata		4 11	3	Grayling 14 Fed Com #606H	Feb-24	Estimated 12/1/24	Feb-25

Target spud date of 1Q25, or earlier depending on receipt of pooling order

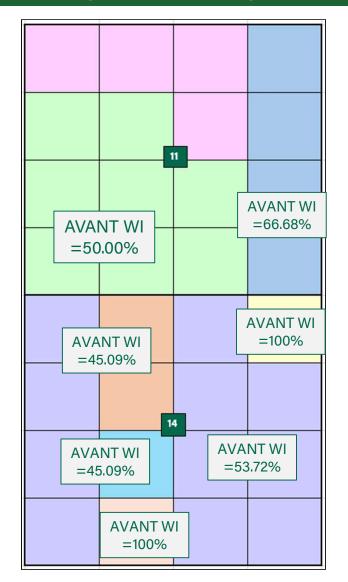
- Avant is currently running 2 rigs in NM (picking up a 3<sup>rd</sup> in September 2024) and plans for full development to be completed very shortly after Compulsory Pooling signature date, estimated to be 1/1/2025. If the pooling order is received sooner, Avant will accelerate development into 4Q24
- Grayling APD's are on "High Priority List" as communicated with the BLM NRA Agent on a weekly basis by Avant's Director of Regulatory



Avant Operating, LLC Case No. 24254 Exhibit A-13

## LEASE TRACT OWNERSHIP MAP

### Avant has significant working interests committed to the Grayling Unit



соммітт	ED WORKING INTER	EST CONTRO	L ACRES
	Lease No	Acres	wı
Tract 1	NMNM 092771	160.00	50.00%
Tract 2	NMNM 138871	0.00	0.00%
Tract 3	NMNM 105821017	40.00	100.00%
Tract 4	NMNM 105821018	40.00	100.00%
Tract 5	NMNM 063530	106.68	66.68%
Tract 6	NMNM 063530	36.07	45.09%
Tract 7	NMNM 063530	18.04	45.09%
Tract 8	NMNM 025497	236.39	53.72%
TOTAL:		637.18	49.78%

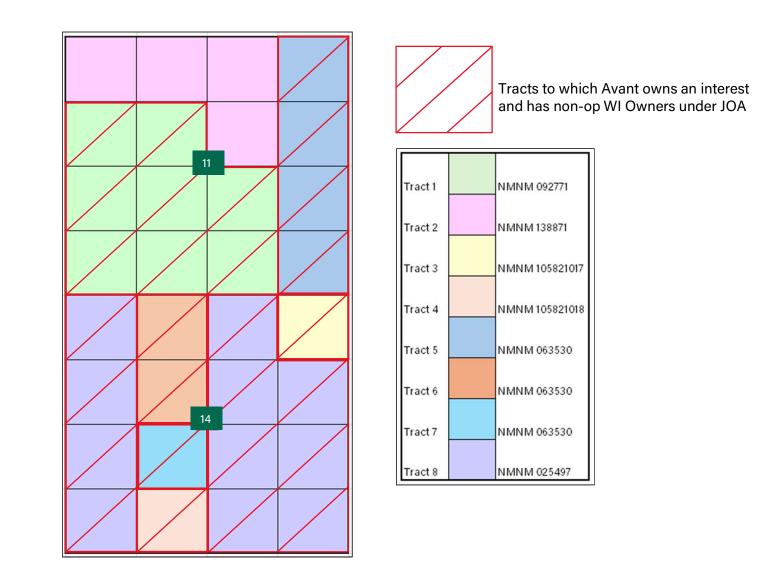


Avant Operating, LLC Case No. 24254 Exhibit A-14

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## LEASE TRACT MAP

### Avant owns an interest across the entire proposed Grayling Unit





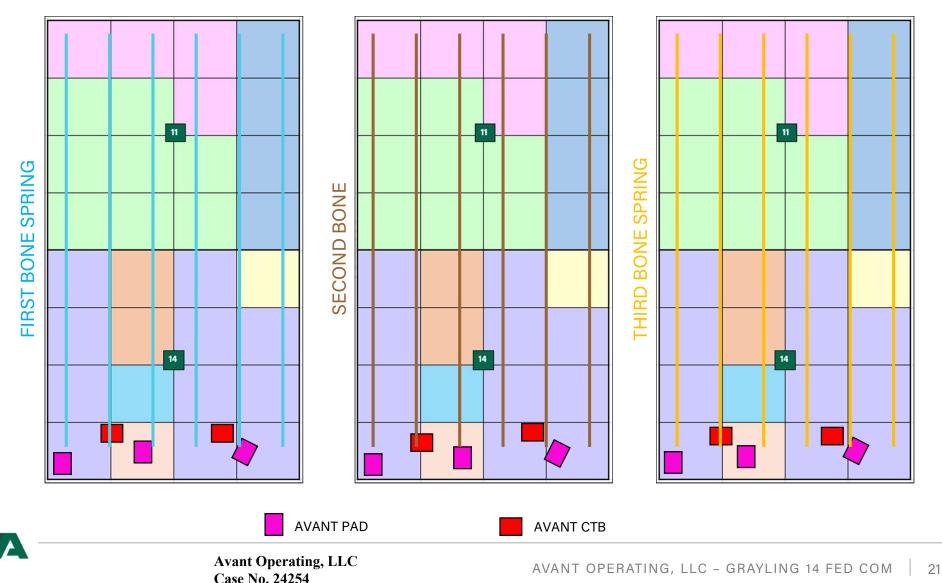
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Avant Operating, LLC Case No. 24254 Exhibit A-15

# LEASE TRACT WELL PLACEMENT MAP BY BENCH

Avant to fully develop all tracts and prospective zones

### **Tract Map with Approximate Well Locations**



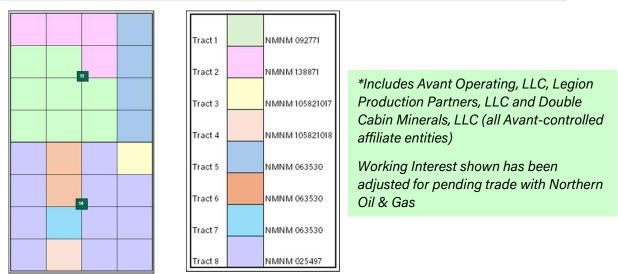
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ALL of Sections 11 & 14, Township 19 South, Range 32 East, N.M.P.M., Lea County, New Mexico

### **Summary of Committed Working Interest Owners:**

WIOWNER	Net Acres	Working Interest	Tract Number
Avant Operating, LLC, et al *	494.3689	38.6225%	1, 3, 4, 5, 6, 7, 8
Southwest Royalties, Inc.	2.6640	0.2081%	5
Wadi Petroleum, Inc.	18.2866	1.4286%	5
Red Bird Ventures, Inc.	17.5695	1.3726%	5
Ellipsis Oil and Gas Inc.	2.4984	0.1952%	6, 7, 8
Compass Oil & Gas, LP	18.0000	1.4063%	6, 7
Osprey Oil & Gas	2.1737	0.1698%	6, 7, 8
CXA Oil & Gas Holdings, LP	81.6156	6.3762%	8
TOTAL:	637.1766	49.7794%	





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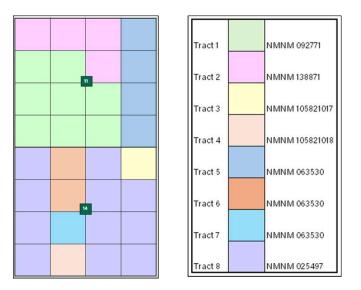
## **LEASE TRACT OWNERSHIP – UNCOMMITTED OWNERS**

ALL of Sections 11 & 14, Township 19 South, Range 32 East, N.M.P.M., Lea County, New Mexico

### Summary of Uncommitted Working Interest Owners to be Pooled:

#### **UNCOMMITTED INTEREST**

WI OWNER	Net Acres	Working Interest	Tract Number
Apache Corporation	465.1035	36.3362%	2, 5, 6, 7, 8
ZPZ Delaware I, LLC	160.0000	12.5000%	1
Minoco 1980 III Oil and Gas Program	13.3200	1.0406%	5
Roy Edward Guinnup	4.4000	0.3438%	8
TOTAL:	642.8234	50.2206%	



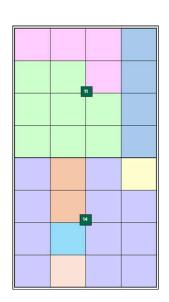


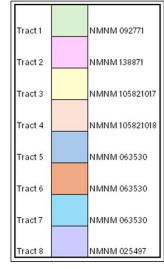
Avant Operating, LLC Case No. 24254 Released to Imaging: 6/3/2024 4:04:42 PMExhibit A-18

# SUMMARY OF ORRI OWNERS TO BE POOLED

ORRI Owner	Tract No.
Ray and Karen Westall	1
Apache Corporation	5, 6, 7, 8
Avant Natural Resources, LLC	5
Beverly Jean Renfro Barr, Trustee of Family Trust uwo Richard K. Barr	5, 6, 7, 8
BR2 Holdings, LLC	5, 6, 7, 8
Canyon Capital Holdings, LLC	8
Cayuga Royalties, LLC	5, 6, 7, 8
Cibolo Oil & Gs, LLC	5
Cibolo Royalties I, LLC	5
Colgate Energy Management, LLC	5, 6, 7, 8
Colgate Opportunistic Investments I, LLC	5, 6, 7, 8
Compass Oil & Gas, LP	6, 7, 8
G.P.C. Oil & Gas Corporation	6, 7, 8
Gary W. Sweaney	5, 6, 7
Geronimo Holding Corporation	5, 6, 7, 8
Guard Income Fund, LP	5
James G. Smith and Alyssa C. Smith, as Co-Trustees of the Smith Family Irrevocable Trust U/A/D 2/20/2018	5, 6, 7, 8
Jamie E. Jennings and George J. Lee, Trustees of the	3, 0, 1, 0
Jennings-Lee Trust, dated 9/18/2017	8
Jetstream Royalty Partners, LP	8
Kay Sweaney Sorvillo	5, 6, 7
Legion Production Partners, LLC	6

ORRI Owner	Tract No.
LNV Corporation	8
LOSB, Inc.	5, 6, 7
Marathon Oil Permian, LLC	6, 7
Marke Exploration, Inc.	8
McCombs Energy, Ltd.	5, 6, 7, 8
Monticello Minerals, LLC	5, 6, 7, 8
Nadel & Gussman Permian, LLC	8
Osprey Oil & Gas	6, 7, 8
Pegasus Resources II, LLC	8
Prevail Energy, LLC	5, 6, 7, 8
Richard H. Sweaney, III	5, 6, 7
Richard W. Schmidt	5
Roger John Allen and Nancy Edge Jennings Allen, Trustees	0
of The Allen Family Revocable Trust, dated 5/19/2000	8
of The Allen Family Revocable Trust, dated 5/19/2000 Sam H. Jolliffe, IV	5, 6, 7, 8
of The Allen Family Revocable Trust, dated 5/19/2000 Sam H. Jolliffe, IV Sandia Minerals, LLC	5, 6, 7, 8 5, 6, 7, 8
of The Allen Family Revocable Trust, dated 5/19/2000 Sam H. Jolliffe, IV	5, 6, 7, 8
of The Allen Family Revocable Trust, dated 5/19/2000 Sam H. Jolliffe, IV Sandia Minerals, LLC Skyline Minerals, LLC Susannah D. Adelson, Trustee of the James Adelson &	5, 6, 7, 8 5, 6, 7, 8 5
of The Allen Family Revocable Trust, dated 5/19/2000 Sam H. Jolliffe, IV Sandia Minerals, LLC Skyline Minerals, LLC Susannah D. Adelson, Trustee of the James Adelson & Family 2015 Trusts Susan Jennings Croft, Katie Elizabeth Croft, and Justin Jennings Croft, Co-Trustees of the Croft Family Living	5, 6, 7, 8 5, 6, 7, 8 5 5
of The Allen Family Revocable Trust, dated 5/19/2000 Sam H. Jolliffe, IV Sandia Minerals, LLC Skyline Minerals, LLC Susannah D. Adelson, Trustee of the James Adelson & Family 2015 Trusts Susan Jennings Croft, Katie Elizabeth Croft, and Justin Jennings Croft, Co-Trustees of the Croft Family Living Trust, dated 9/5/2020	5, 6, 7, 8 5, 6, 7, 8 5 5, 6, 7 8
of The Allen Family Revocable Trust, dated 5/19/2000 Sam H. Jolliffe, IV Sandia Minerals, LLC Skyline Minerals, LLC Susannah D. Adelson, Trustee of the James Adelson & Family 2015 Trusts Susan Jennings Croft, Katie Elizabeth Croft, and Justin Jennings Croft, Co-Trustees of the Croft Family Living Trust, dated 9/5/2020 Sydhan, LP	5, 6, 7, 8 5, 6, 7, 8 5 5, 6, 7 8 5, 6, 7
of The Allen Family Revocable Trust, dated 5/19/2000 Sam H. Jolliffe, IV Sandia Minerals, LLC Skyline Minerals, LLC Susannah D. Adelson, Trustee of the James Adelson & Family 2015 Trusts Susan Jennings Croft, Katie Elizabeth Croft, and Justin Jennings Croft, Co-Trustees of the Croft Family Living Trust, dated 9/5/2020 Sydhan, LP Teresa H. Jolliffe	5, 6, 7, 8 5, 6, 7, 8 5 5, 6, 7 8 5, 6, 7 5, 6, 7 5, 6, 7, 8





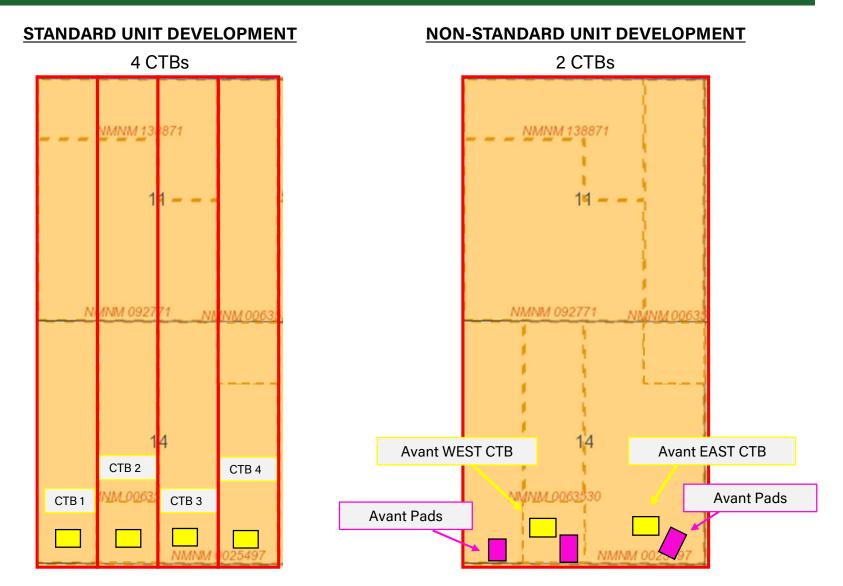


Avant Operating, LLC Case No. 24254 Exhibit A-19

AVANT OPERATING, LLC – GRAYLING 14 FED COM 24

# **CTB PLATS**

NSSU reduces surface facilities and surface impacts

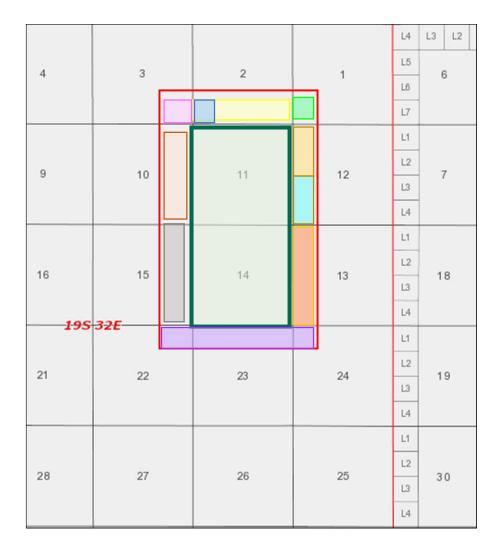




Avant Operating, LLC Case No. 24254 Exhibit A-20

AVANT OPERATING, LLC - GRAYLING 14 FED COM 26

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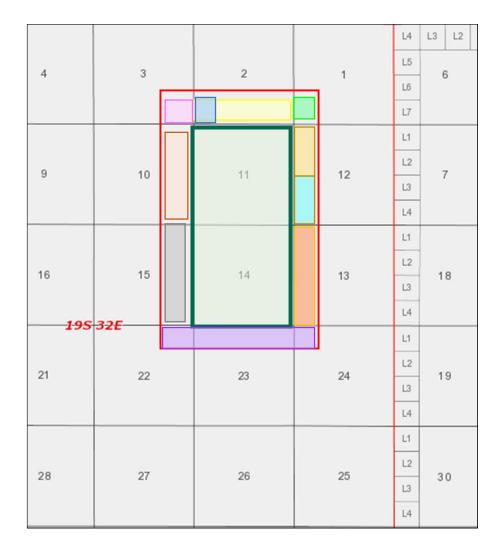


NSU Notice Outline

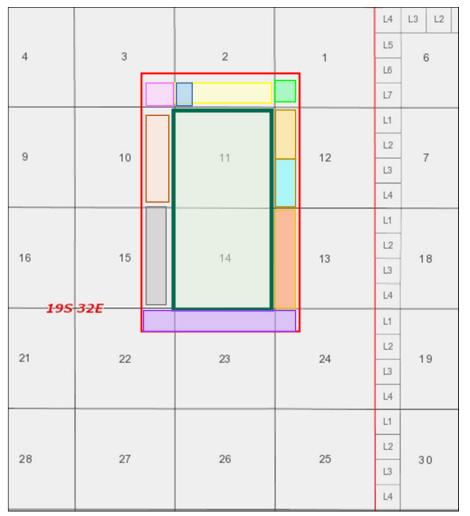
OPERATOR NAME	LANDS
WALSH & WATTS INC.	T19S-R32E Sec 2: S2S2
PERMIAN RESOURCES	T19S-R32E Sec 2: SWSW
MEWBOURNE OIL	T19S-R32E Sec 2: W2W2
MARSHALL & WINSTON INC	T19S-R32E Sec 3: SESE
TJG ENERGY LLC	T19S-R32E Sec 3: SESE
GREENVILLE PARTNERS	T19S-R32E Sec 3: SESE
MORIAH OIL AND GAS LLC	T19S-R32E Sec 3: SESE
RICE BROTHERS	T19S-R32E Sec 3: SESE
BARSTOW ENERGY LLC	T19S-R32E Sec 3: SESE
ACACIA RESOURCES LLC	T19S-R32E Sec 3: SESE
ARROWHEAD OIL CORP	T19S-R32E Sec 3: SESE
BP AMERICA PRODUCTION CO	T19S-R32E Sec 3: SESE
CENTENNIAL	T19S-R32E Sec 3: SESE
CHASE MACK C TRUSTEE	T19S-R32E Sec 3: SESE
CHASE OIL CORP	T19S-R32E Sec 3: SESE
CODY ENERGY INC	T19S-R32E Sec 3: SESE
COG OPERATING LLC	T19S-R32E Sec 3: SESE
NORTEX CORP	T19S-R32E Sec 3: SESE
RAY WESTALL OPERATING INC	T19S-R32E Sec 3: SESE
S & C CONSTR INC	T19S-R32E Sec 3: SESE
TANDEM ENERGY CORP	T19S-R32E Sec 3: SESE
Marshall & Winston	T19S-R32E Sec 3: S2S2



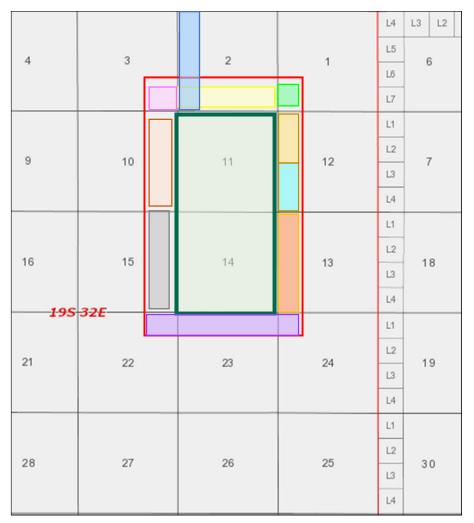
Avant Operating, LLC Case No. 24254 Released to Imaging: 6/3/2024 4:04:42 while it A-21



OPERATOR NAME	LANDS
LYNX PETRO CONSULTANTS INC	T19S-R32E Sec 10
CODY ENERGY INC	T19S-R32E Sec 10
COYOTE OIL & GAS LLC	T19S-R32E Sec 10
DELMAR HOLDINGS LP	T19S-R32E Sec 10
HUNT OIL CO	T19S-R32E Sec 10
L T LEWIS ESTATE	T19S-R32E Sec 10
LYNX PETRO CONSULTANTS INC	T19S-R32E Sec 10
MARATHON OIL PERMIAN LLC	T19S-R32E Sec 10
MARBOB ENERGY CORP	T19S-R32E Sec 10
MCKAY PETROLEUM CORP	T19S-R32E Sec 10
WADI PETROLEUM INC	T19S-R32E Sec 10
MARATHON OIL PERMIAN LLC	T19S-R32E Sec 10
COTERRA ENERGY	T19S-R32E Sec 15: E2E2
APACHE CORPORATION	T19S-R32E Sec 15: E2E2
APACHE CORPORATION	T19S-R32E Sec 15: E2E2
COMPASS OIL & GAS LP	T19S-R32E Sec 15: E2E2
CYNTHIA MAE WILSON TRUSTEE	T19S-R32E Sec 15: E2E2
JOHN H HENDRIX CORP	T19S-R32E Sec 15: E2E2
MARATHON OIL PERMIAN LLC	T19S-R32E Sec 15: E2E2
MCCOMBS ENERGY LTD	T19S-R32E Sec 15: E2E2
PERMIAN RESOURCES OPERATING LLC	T19S-R32E Sec 15: E2E2
ROCK PRODUCTS INC	T19S-R32E Sec 15: E2E2
SOLIS PARTNERS LLC	T19S-R32E Sec 15: E2E2

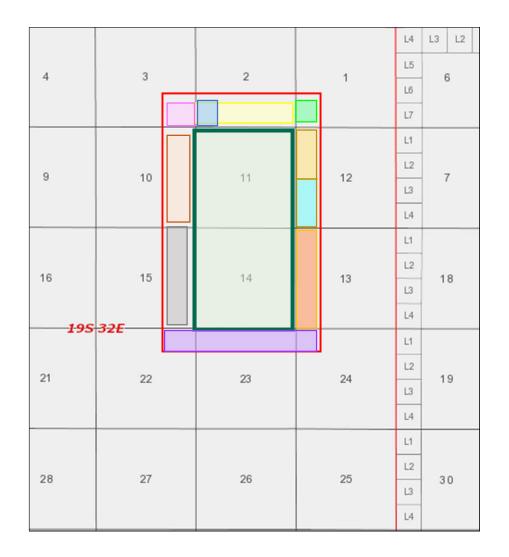


OPERATOR NAME	LANDS
EOG RESOURCES	T19S-R32E Sec 22: NENE
DIXIE LAKE OPERATING LLC	T19S-R32E Sec 22: NENE, Sec 23: N2N2
H AND S DRILLING CO	T19S-R32E Sec 22: NENE, Sec 23: N2N2
HEADINGTON ROYALTY INC	T19S-R32E Sec 22: NENE, Sec 23: N2N2
LEAN DOG LIMITED PARTNERSHIP NO 1	T19S-R32E Sec 22: NENE, Sec 23: N2N2
SABINE HOLDINGS LP	T19S-R32E Sec 22: NENE, Sec 23: N2N2
WHITE ROCK ROYALTY PARTNERS NO 1	T19S-R32E Sec 22: NENE, Sec 23: N2N2
APACHE 1996 A TRUST	T19S-R32E Sec 22: NENE, Sec 23: N2N2
BP AMERICA PRODUCTION CO	T19S-R32E Sec 22: NENE, Sec 23: N2N2
BURLINGTON RESOURCES OIL & GAS COMPANY LP	T19S-R32E Sec 22: NENE, Sec 23: N2N2
CHISOS LTD	T19S-R32E Sec 22: NENE, Sec 23: N2N2
COG OPERATING LLC	T19S-R32E Sec 22: NENE, Sec 23: N2N2
	T19S-R32E Sec 22: NENE, Sec 23: N2N2
ENDEAVOR ENERGY RESOURCES LP	T19S-R32E Sec 22: NENE, Sec 23: N2N2
ENDURANCE PROPERTIES INC	T19S-R32E Sec 22: NENE, Sec 23: N2N2
EOG RESOURCES INC	T19S-R32E Sec 22: NENE, Sec 23: N2N2



OPERATOR NAME	LANDS
H AND S DRILLING CO	T19S-R32E Sec 22: NENE, Sec 23: N2N2
HANESCO INC	T19S-R32E Sec 22: NENE, Sec 23: N2N2
HEADINGTON ROYALTY	T19S-R32E Sec 22: NENE, Sec 23: N2N2
LANEXCO INC	T19S-R32E Sec 22: NENE, Sec 23: N2N2
LEAN DOG LIMITED PARTNERSHIP NO 1	T19S-R32E Sec 22: NENE, Sec 23: N2N2
MANZANO LLC	T19S-R32E Sec 22: NENE, Sec 23: N2N2
NUEVO SEIS INC	T19S-R32E Sec 22: NENE, Sec 23: N2N2
PAPER TIME INC	T19S-R32E Sec 22: NENE, Sec 23: N2N2
THREE LAIN CORP	T19S-R32E Sec 22: NENE, Sec 23: N2N2
TRITEX ENERGY A LP	T19S-R32E Sec 22: NENE, Sec 23: N2N2
EOG Resources	T19S-R32E Sec 23: N2N2
Coterra Energy	T19S-R32E Sec 24: NWNW
Coterra Energy	T19S-R32E Sec 24: NWNW
Mewbourne Oil	T19S-R32E Sec 13: W2W2
XTO Holdings LLC	T19S-R32E Sec 13: W2W2

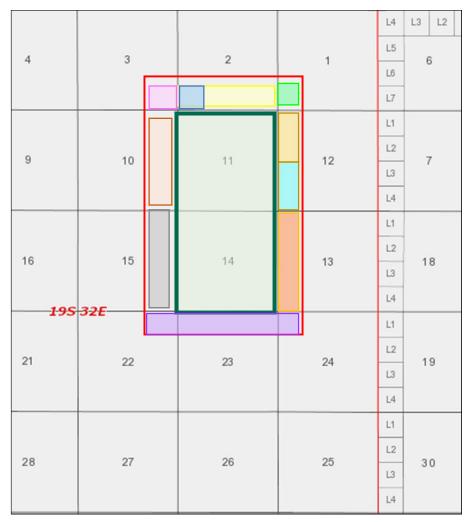




NSU Notice Outline

OPERATOR NAME	LANDS
BP AMERICA PRODUCTION CO	T19S-R32E Sec 13: W2W2
CHASE MACK C TRUSTEE	T19S-R32E Sec 13: W2W2
ENDURANCE PROPERTIES INC	T19S-R32E Sec 13: W2W2
G & C SERVICE	T19S-R32E Sec 13: W2W2
HOPPER-BARNETT INC	T19S-R32E Sec 13: W2W2
LOTHIAN OIL INC	T19S-R32E Sec 13: W2W2
MACK ENERGY CORP	T19S-R32E Sec 13: W2W2
TRITEX ENERGY A LP	T19S-R32E Sec 13: W2W2
XTO HOLDINGS LLC	T19S-R32E Sec 13: W2W2
Permian Resources	T19S-R32E Sec 13: W2W2
UPLAND PRODUCTION CO	T19S-R32E Sec 12: W2NW
BETTIS BROTHERS INC	T19S-R32E Sec 12: W2NW
BP AMERICA PRODUCTION CO	T19S-R32E Sec 12: W2NW
CALLAWAY PROD CO INC	T19S-R32E Sec 12: W2NW
COG OPERATING LLC	T19S-R32E Sec 12: W2NW
DOMINION OKLAHOMA TEXAS EXPL & PROD INC	T19S-R32E Sec 12: W2NW
ENDURANCE PROPERTIES INC	T19S-R32E Sec 12: W2NW
H M BETTIS INC	T19S-R32E Sec 12: W2NW
PRIDE ENERGY COMPANY	T19S-R32E Sec 12: W2NW
SONIC OIL & GAS INC	T19S-R32E Sec 12: W2NW
TAYLOR NEAL A ESTATE	T19S-R32E Sec 12: W2NW
TRITEX ENERGY A LP	T19S-R32E Sec 12: W2NW
WPX ENERGY PERMIAN LLC	T19S-R32E Sec 12: W2NW

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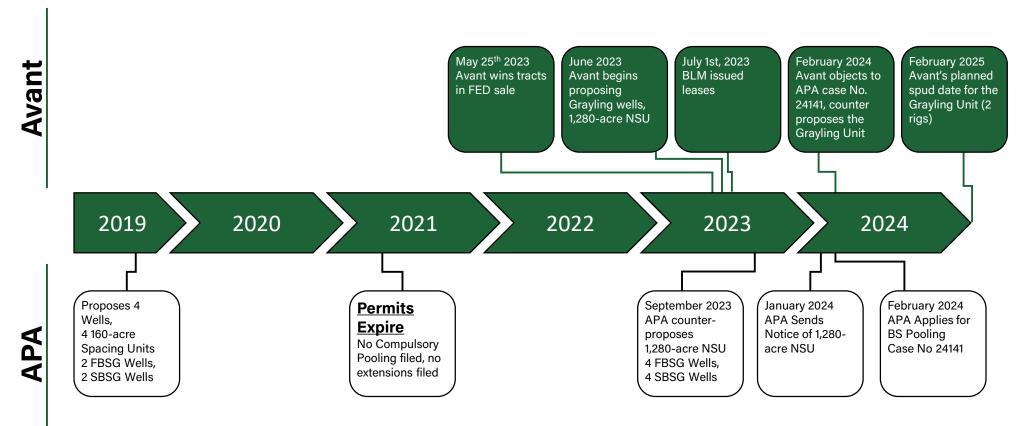


OPERATOR NAME	LANDS
COG OPERATING LLC	T19S-R32E Sec 12: W2SW
BETTIS BROTHERS INC	T19S-R32E Sec 12: W2SW
BP AMERICA PRODUCTION CO	T19S-R32E Sec 12: W2SW
DOMINION OKLAHO	T19S-R32E Sec 12: W2SW
SONIC OIL & GAS INC	T19S-R32E Sec 12: W2SW
TURNCO INC	T19S-R32E Sec 12: W2SW
Permian Resources	T19S-R33E Sec 01: SWSW
WALSH & WATTS INC	T19S-R33E Sec 01: SWSW
MEC DEVELOPMENT LTD	T19S-R33E Sec 01: SWSW
SABER OIL & GAS VENTURES LLC	T19S-R33E Sec 01: SWSW
WALSH & WATTS INC	T19S-R33E Sec 01: SWSW



# TIMELINE OF EVENTS

Avant has diligently prosecuted plans for development while APA has been reactive



- APA has been reactionary to Avant as it relates to well proposals and development timing
- APA had previously proposed wells on this unit and let permits expire, without making any attempts to extend
- Avant has Grayling Unit on Drill Schedule for 1Q 2025, or sooner based on order signature date
- Avant intends to drill up to 18 horizontal wells while APA Corp. plans to drill only 8 horizontal wells



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# SUMMARY OF AVANT CONTACTS

- Avant retained a broker who conducted extensive title work to determine the working interest and other interest owners
- Avant searched public records, phone directory, LexisNexis subscription, and various other internet sources to locate owners
- Avant began sending well proposals starting on or around June 1, 2023
- Avant sent all the working interest owners a JOA
- Avant had multiple communications with the uncommitted working interest owners, outlined in the chart on the following slide
- Avant's counsel sent notices of the forced pooling applications to the addresses of record for uncommitted interest owners and overriding royalty owners
- Avant published notice in a newspaper of general circulation in the county where the wells will be located



## **SUMMARY OF CONTACTS**

Owner Name	Sent Proposal	Tracking	Follow-up / Comments
Apache Corporation	6/30/23	9405503699300569796825	SEE "SUMMARY OF AVANT CONTACT WITH APA" Exhibit
ZPZ Delaware I, LLC	6/30/23	9405503699300569796665	SEE "SUMMARY OF AVANT CONTACT WITH APA" Exhibit
Minoco 1980 III Oil and Gas Program	N/A – Company	Company Terminated	California Secretary of State shows this company terminated in 1984. No longer
	Terminated		exists
Roy Edward Guinnup	9/1/23	7734 9834 0658 (2 <sup>nd</sup> attempt)	1 <sup>st</sup> attempt to send well proposals returned w/no forwarding information. 2 <sup>nd</sup> attempt made - sent to 3467 Pinto Trail Fort Worth, TX 76116 on 9/21; 301 Commerce Street Suite #1830, Fort Worth, TX 76102 (address pulled from 2019 county document); Well proposal package received, No response to proposal/further inquiries.



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September 1, 2023

Sent Via USPS Overnight Mail

Roy Edward Guinnup 301 Commerce St., Suite #1830 Fort Worth, TX 76102-4189

RE: Grayling 11 Fed Com 301H, 302H, 303H, 304H, 305H, 306H 501H, 502H, 503H, 504H 505H, 506H, 601H, 602H, 603H, 604H, 605H, 606H Sections 11 & 14, Township 19 South, Range 32 East Lea County, New Mexico

Ladies and Gentlemen:

Avant Operating, LLC ("Avant") hereby proposes to drill and complete the Grayling 11 Fed Com 301H, 302H, 303H, 304H, 305H, 306H, 501H, 502H, 503H, 504H 505H, 506H, 601H, 602H, 603H, 604H, 605H wells in Sections 11 and 14, Township 19 South, Range 32 East, Lea County, New Mexico. Avant is finalizing reports and preliminary title shows you *may* have an interest in the referenced lands.

In connection with the above, please note the following:

- The estimated cost of drilling, testing, completing, and equipping of each proposed well is itemized on the enclosed Authority for Expenditures ("AFE").
- **Grayling 11 Fed Com #301H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 8,550' TVD and will be drilled horizontally to a Measured Depth of approximately 18,873'.
- **Grayling 11 Fed Com #302H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 8,550' TVD and will be drilled horizontally to a Measured Depth of approximately 18,873'.
- **Grayling 11 Fed Com #303H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 8,550' TVD and will be drilled horizontally to a Measured Depth of approximately 18,873'
- **Grayling 11 Fed Com #304H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 8,550' TVD and will be drilled horizontally to a Measured Depth of approximately 18,873'.
- **Grayling 11 Fed Com #305H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 8,550' TVD and will be drilled horizontally to a Measured Depth of approximately 18,873'.

Avant Operating, LLC Case No. 24254 Exhibit A-24



- **Grayling 11 Fed Com #306H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 8,550' TVD and will be drilled horizontally to a Measured Depth of approximately 18,873'.
- **Grayling 11 Fed Com #501H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 9,500' TVD and will be drilled horizontally to a Measured Depth of approximately 19,823.
- **Grayling 11 Fed Com #502H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 9,500' TVD and will be drilled horizontally to a Measured Depth of approximately 19,823.
- **Grayling 11 Fed Com #503H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 9,500' TVD and will be drilled horizontally to a Measured Depth of approximately 19,823.
- **Grayling 11 Fed Com #504H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 9,500' TVD and will be drilled horizontally to a Measured Depth of approximately 19,823.
- **Grayling 11 Fed Com #505H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 9,500' TVD and will be drilled horizontally to a Measured Depth of approximately 19,823.
- **Grayling 11 Fed Com #506H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 9,500' TVD and will be drilled horizontally to a Measured Depth of approximately 19,823.
- **Grayling 11 Fed Com #601H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,450' TVD and will be drilled horizontally to a Measured Depth of approximately 20,773'.
- **Grayling 11 Fed Com #602H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,450' TVD and will be drilled horizontally to a Measured Depth of approximately 20,773'.
- **Grayling 11 Fed Com #603H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,450' TVD and will be drilled horizontally to a Measured Depth of approximately 20,773'.
- **Grayling 11 Fed Com #604H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,450' TVD and will be drilled horizontally to a Measured Depth of approximately 20,773'.



- **Grayling 11 Fed Com #605H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,450' TVD and will be drilled horizontally to a Measured Depth of approximately 20,773'.
- **Grayling 11 Fed Com #606H**: to be drilled from a legal location of Section 11-19S-32E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,450' TVD and will be drilled horizontally to a Measured Depth of approximately 20,773'.

Avant reserves the right to modify the locations and drilling plans described above to address topography, cultural or environmental concerns, among other reasons.

Avant is proposing to drill the proposed wells under the terms of two modified 1989 AAPL form of Operating Agreements ("JOAs"). The JOAs will be sent to you following this proposal with the following general provisions:

- 100%/300%/300% non-consent penalty
- \$10,000/\$1000 drilling and producing monthly overhead rates
- Contract Area of W2 of Section 11-T19S-R32E and W2 of Section 14-T19S-R32E
- Contract Area of E2 of Section 11-T19S-R32E and E2 of Section 14-T19S-R32E
- This proposed Operating Agreements will supersede any and all existing Operating Agreements as to all depths on all horizontal wells drilled after the effective date of the JOA.

If we do not reach an agreement within thirty (30) days of receipt of these well proposals, Avant will file an application(s) with the New Mexico Oil Conservation Division to compulsory pool your interest into a spacing unit(s) for the proposed wells to promote the development of these lands.

Please indicate your elections in the spaces provided on the following pages. If you elect to participate in the drilling and completion of the wells proposed herein, please sign, and return a copy of this letter along with the enclosed AFEs within thirty (30) days of receipt of this proposal.

Avant respectfully requests your elections as soon as possible. Please indicate your elections in the spaces provided on the following pages. In the event you elect to participate in the drilling and completion of the wells proposed herein, please sign and return a copy of this letter along with the enclosed AFEs.

In the event you do not wish to participate in this proposed development and would be interested in selling your interest, please let us know. Avant would be pleased to work up a competitive offer. Should you have any questions, please contact the undersigned at tiffany@avantnr.com or (720) 746-5048.

Sincerely,

garantinos

Tiffany Sarantinos Senior Landman Enclosures



#### I, Roy Edward Guinnup, elects as follows:

#### Grayling 11 Fed Com #301H:

I/We hereby elect to participate in the Grayling 11 Fed Com #301H well.
I/We hereby elect NOT to participate in the Grayling 11 Fed Com #301H well.

#### Grayling 11 Fed Com #302H:

I/We hereby elect to participate in the Grayling 11 Fed Com #302Hwell.
I/We hereby elect NOT to participate in the Grayling 11 Fed Com #302Hwell.

#### Grayling 11 Fed Com #303H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #303H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #303H** well.

#### Grayling 11 Fed Com #304H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #304H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #304H** well.

#### Grayling 11 Fed Com #305H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #305H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #305H** well.

#### Grayling 11 Fed Com #306H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #306H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #306H** well.

#### Grayling 11 Fed Com #501H:

I/We hereby elect to participate in the Grayling 11 Fed Com #501H well.
I/We hereby elect NOT to participate in the Grayling 11 Fed Com #501H well.

#### Grayling 11 Fed Com #502H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #502H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #502H** well.

#### Grayling 11 Fed Com #503H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #503H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #503H** well.

#### Grayling 11 Fed Com #504H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #504H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in **Grayling 11 Fed Com #504H** well.

#### Grayling 11 Fed Com #505H:

I/We hereby elect to participate in the Grayling 11 Fed Com #505H well.
I/We hereby elect NOT to participate in Grayling 11 Fed Com #505H well.



#### Grayling 11 Fed Com #506H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #506H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in **Grayling 11 Fed Com #506H** well.

#### Grayling 11 Fed Com #601H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #601H** well. \_\_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #601H** well.

#### Grayling 11 Fed Com #602H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #602H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #602H** well.

#### Grayling 11 Fed Com #603H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #603H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #603H** well.

#### Grayling 11 Fed Com #604H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #604H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #604H** well.

#### Grayling 11 Fed Com #605H:

\_\_\_\_\_ I/We hereby elect to participate in the **Grayling 11 Fed Com #605H** well. \_\_\_\_\_ I/We hereby elect **NOT** to participate in the **Grayling 11 Fed Com #605H** well.

#### Grayling 11 Fed Com #606H:

I/We hereby elect to participate in the Grayling 11 Fed Com #606H well.
I/We hereby elect NOT to participate in the Grayling 11 Fed Com #606H well.

#### Roy Edward Guinnup

Ву: \_\_\_\_\_\_

Printed Name: \_\_\_\_\_

Title:						

Date: \_\_\_\_\_



AFE:	NM0216	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #301H	Projected MD	D/TVD:	18873 / 8550
Target:	Bone Springs	Spud	to TD:	12.6 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	S	Stages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	t (ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 330 FEL	Total Fluid (	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #301H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 18873' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

TOTAL

	TOTAL
DRILLING:	\$3,676,102
COMPLETIONS:	\$5,836,220
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,021,110

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0216 - Grayling 11 Fed Com #301H

angible Drilling	TANGIBLE COSTS		Drilling		mpletion	¢	Facilities	¢	Total
	Quefe e a Casimer	\$	944,363	\$	-	\$	-	\$	944,3
8400.301	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,8
8400.302	Intermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,6
8400.302	Intermediate2 Casing:	\$	-	\$	-	\$	-	\$	
8400.303	Production Casing:	\$	577,908	\$	-	\$	-	\$	577,9
8400.340	Wellhead Equipment:	\$	56,903	\$		\$		\$	56,9
0400.040			50,505						50,0
		\$	-	\$	-	\$	-	\$	
ngible Completior		\$	-	\$	272,460	\$	-	\$	272,4
8400.308	Tubing:	\$	-	\$	123,523	\$	-	\$	123,
8400.340	Wellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,
8400.312	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,
		\$		\$		\$		\$	,
ngible Facility		\$		\$		\$	1,155,505	\$	1,155,5
			•		-				
8400.341	Vessels:	\$	-	\$	-	\$	220,123	\$	220,
8400.342	Tanks:	\$	-	\$	-	\$	101,017	\$	101,
8400.343	Flare:	\$	-	\$	-	\$	28,281	\$	28,
8400.344	Compressors:	\$	-	\$	-	\$	19,708	\$	19,
8400.316	Pipe/Valves/Fittings:	\$		\$		\$	166,483	\$	166,
			-		-				
8400.328	Instrumentation/Meters:	\$	-	\$	-	\$	51,285	\$	51,
8400.345	LACT Unit:	\$	-	\$	-	\$	-	\$	
8400.346	Electrical Facility:	\$	-	\$	-	\$	-	\$	
8400.347	Containment:	\$	-	\$	_	\$	27,245	\$	27,
8400.348	Pump/Supplies:					\$			41,
		\$	-	\$	-		41,433	\$	41,
8400.349	Pipelines:	\$	-	\$	-	\$	-	\$	
8400.315	Flowlines:	\$	-	\$	-	\$	-	\$	
8400.350	Instrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,
		\$	-	\$	-	\$	-	\$	
7	OTAL TANGIBLE COSTS >>>	\$	944,363	\$	272,460	,	1,155,505	\$	2,372,3
	OTAL TANGIDEL COSTS FFF	φ	944,303	Ψ	272,400	φ	1,133,303	φ	2,372,3
	INTANGIBLE COSTS	- T	Drilling	6	mpletion		Facilities		Total
			-		-	*		<b>^</b>	
angible Drilling		\$	2,731,740	\$	-	\$	-	\$	2,731,7
8200.111	Survey, Stake/Permit:					¢			5
02001111		\$	5,269		-	\$	-	\$	5,
8200.113	Damages/ROW:			\$ \$	-	ֆ \$	-		
8200.113	Damages/ROW:	\$	7,903	\$	-	\$	-	\$	7,
8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$	7,903 10,538	\$ \$	-	\$ \$	-	\$ \$	7, 10,
8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$	7,903 10,538 7,903	\$ \$ \$		\$ \$ \$		\$ \$ \$	7, 10, 7,
8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$	7,903 10,538 7,903 102,606	\$ \$ \$ \$	- - - -	\$ \$ \$ \$		\$ \$ \$ \$	7, 10, 7, 102,
8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$	- - - - -	\$ \$ \$ \$		\$ \$ \$ \$	7, 10, 7, 102, 71,
8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$	7,903 10,538 7,903 102,606	\$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$	7, 10, 7, 102, 71,
8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370	\$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$	7, 10, 7, 102, 71, 679,
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 71, 679, 141,
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 71, 679, 141, 67,
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 71, 679, 141, 67, 211,
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164,
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164,
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$         \$\$\$\$\$\$         \$\$\$\$\$\$\$\$\$\$\$\$\$\$         \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$         \$\$\$\$\$\$\$\$         \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107,
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Juesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Juesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 10, 7, 102, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182,
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Brine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Brine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$       \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$       \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.128 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Prine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Prine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125 8200.144	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Company Supervision:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$       <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2,</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2,</td></td<>	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Pine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Company Supervision:Consulting Services:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$       <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217,</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217,</td></td<>	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.125 8200.144 8200.107 8200.127	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Company Supervision:Consulting Services:Contract Labor:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$       <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,</td></td<>	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.127	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Consulting Services:Consulting Services:Contract Labor:Roustabout Services:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$       <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,</td></td<>	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.125 8200.144 8200.107 8200.127	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Company Supervision:Consulting Services:Contract Labor:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$       <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,</td></td<>	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.128 8200.117 8200.115 8200.159 8200.164 8200.164 8200.137 8200.138 8200.138 8200.138 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Pine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$       <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2</td></td<>	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2
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8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.104 8200.128 8200.128 8200.128 8200.115 8200.115 8200.169 8200.169 8200.164 8200.164 8200.137 8200.138 8200.138 8200.138 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136 8200.134	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$       <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2</td></td<>	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2
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8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.104 8200.128 8200.128 8200.128 8200.115 8200.115 8200.169 8200.169 8200.164 8200.164 8200.137 8200.138 8200.138 8200.138 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136 8200.134	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447 - 2,175</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$       <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7,</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447 - 2,175	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7,</td></td<>	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7,
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.104 8200.128 8200.128 8200.128 8200.115 8200.115 8200.169 8200.164 8200.164 8200.158 8200.124 8200.138 8200.138 8200.138 8200.125 8200.144 8200.127 8200.168 8200.136 8200.134	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diresel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:	\$         \$	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447 - 2,175	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$		\$\$       \$\$ <td< td=""><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2</td></td<>	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2
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8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.104 8200.128 8200.128 8200.128 8200.115 8200.115 8200.169 8200.164 8200.164 8200.158 8200.164 8200.125 8200.138 8200.138 8200.125 8200.144 8200.127 8200.136 8200.134 8200.135 8200.135	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Dissel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:Safety & Environmental:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447 - 2,175</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\overline\$       \$\overline\$       \$\overline\$</td><td>7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2</td></td<>	7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447 - 2,175	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\overline\$	7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 27, 27, 27, 27, 27, 2

## AFE # NM0216 - Gravling 11 Fed Com #301H

ntangible Completio	on	\$ -	\$	5,563,760	\$ -	\$ 5,563,760
8300.205	Location & Roads:	\$ -	\$	5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$ -	\$	-	\$ -	\$ -
8300.243	Analysis	\$ -	\$	12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$ -	\$	1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$ -	\$	932,358	\$ -	\$ 932,358
8300.207	Water:	\$ -	\$	540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$ -	\$	82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$ -	\$	443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$ -	\$	110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$ -	\$	399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$ -	\$	700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$ -	\$	371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$ -	\$	18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$ -	\$	43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$ -	\$	28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$ -	\$	6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$ -	\$	200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$ -	\$	30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$ -	\$	1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$ -	\$	5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$ -	\$	39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$ -	\$	110,642	\$ -	\$ 110,642
8300.273	Flowback:	\$ -	\$	59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$ -	\$	13,642	\$ -	\$ 13,642
8300.225	Contingency:	\$ -	\$	-	\$ -	\$ -
ntangible Facilities		\$ -	\$	-	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$ -	\$	-	\$ -	\$ 
8350.402	Damages/ROW:	\$ -	\$	-	\$ -	\$ -
8350.403	Location, Roads:	\$ -	\$	-	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$ -	\$	-	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$ -	\$	-	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$ -	\$	-	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$ -	\$	-	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$ -	\$	-	\$ -	\$ 
8350.410	Transportation:	\$ -	\$	-	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$ -	\$	-	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$ -	\$	-	\$ -	\$
8350.413	Contingency:	\$ -	\$	-	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$ 2,731,740	¢	5,563,760	\$ 353,282	\$ 8,648,782

TOTAL D&C&F COSTS >>>	\$ 3,676,102	\$ 5,836,220	\$ 1,508,788	\$ 11,021,110
TOTAL D&C&F COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date: \_\_\_\_\_



AFE: NM0217	Date: June 28,	, 2023
Well Name: Grayling 11 Fed Com #302H	Projected MD/TVD: 1	18873 / 8550
Target: Bone Springs	Spud to TD: 1	L2.6 days
County: Lea	Lateral Length: 1	L0,000
State: NM	Stages: 6	54
SHL: Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant (ppf): 2	2,500
BHL: Sec: 14, T-19S, R-32E; FSL, 1254 FEL	Total Fluid (gal/ft): 3	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #302H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 18873' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

TOTAL

	TOTAL
DRILLING:	\$3,676,102
COMPLETIONS:	\$5,836,220
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,021,110

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0217 - Grayling 11 Fed Com #302H

angible Drilling	TANGIBLE COSTS		Drilling	Completion	_	Facilities	¢	Total
	Quefa a a Casimer	\$	944,363	\$-	\$	-	\$	944,3
8400.301	Surface Casing:	\$	64,871	\$ -	\$	-	\$	64,8
8400.302	Intermediate1 Casing:	\$	244,681	\$-	\$	-	\$	244,6
8400.302	Intermediate2 Casing:	\$	-	\$-	\$	-	\$	
8400.303	Production Casing:	\$	577,908	\$-	\$	-	\$	577,9
8400.340	Wellhead Equipment:	\$	56,903	\$-	\$	_	\$	56,9
0400.040		\$	50,505	\$ -	\$		\$	50,0
ngible Completior		\$	-	\$	⇒ \$	-	э \$	272.4
8400.308	Tubing:		-			-		272,4
		\$	-	\$ 123,523	\$	-	\$	123,5
8400.340	Wellhead Equip:	\$	-	\$ 107,841	\$	-	\$	107,8
8400.312	Artificial Lift: Gas Lift	\$	-	\$ 41,096	\$	-	\$	41,0
		\$	-	\$-	\$	-	\$	
ngible Facility		\$	-	\$-	\$	1,155,505	\$	1,155,5
8400.341	Vessels:	\$	-	\$-	\$	220,123	\$	220,
8400.342	Tanks:	\$	-	\$-	\$	101,017	\$	101,0
8400.343	Flare:	\$	-	\$ -	\$	28,281	\$	28,2
8400.344	Compressors:	\$		\$-	\$	19,708	\$	19,
			-		· ·			
8400.316	Pipe/Valves/Fittings:	\$	-	\$-	\$	166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$	-	\$-	\$	51,285	\$	51,2
8400.345	LACT Unit:	\$	-	\$-	\$	-	\$	
8400.346	Electrical Facility:	\$	-	\$ -	\$	-	\$	
8400.347	Containment:	\$	_	\$-	\$	27,245	\$	27,
8400.348	Pump/Supplies:	\$	-	\$-	\$	41,433	φ \$	41,4
			-		· ·	41,433		41,4
8400.349	Pipelines:	\$	-	\$ -	\$	-	\$	
8400.315	Flowlines:	\$	-	\$-	\$	-	\$	
8400.350	Instrument/Electrical Panel:	\$	-	\$-	\$	499,929	\$	499,
		\$	-	\$-	\$	-	\$	
	OTAL TANGIBLE COSTS >>>	\$	944,363	\$ 272,460	\$	1,155,505	\$	2,372,3
				, , ,	, r	, - ,	,	,- ,-
	INTANGIBLE COSTS		Drilling	Completion		Facilities		Total
tangible Drilling		-		¢	6		*	2,731,7
		\$	2,731,740	- \$	1.2	-	\$	<b>2</b> , <i>i</i> <b>3</b> 1, <i>i</i>
	Survey Stake/Permit	·	<b>2,731,740</b>	•	\$ \$	-		
8200.111	Survey, Stake/Permit:	\$	5,269	\$ -	\$	-	\$	5,
8200.111 8200.113	Damages/ROW:	\$	5,269 7,903	\$ - \$ -	\$ \$	-	\$ \$	5, 7,
8200.111 8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	5,269 7,903 10,538	\$ - \$ - \$ -	\$ \$ \$	- - - -	• \$\$ \$\$ \$	5, 7, 10,
8200.111 8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$ \$	5,269 7,903 10,538 7,903	\$ - \$ - \$ - \$ -	\$ \$ \$ \$	-	\$ \$ \$ \$	5, 7, 10, 7,
8200.111 8200.113 8200.149	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$	5,269 7,903 10,538	\$ - \$ - \$ -	\$ \$ \$		• \$\$ \$\$ \$	5, 7, 10, 7,
8200.111 8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$ \$	5,269 7,903 10,538 7,903	\$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$		\$ \$ \$ \$	5, 7, 10, 7, 102,
8200.111 8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 71,
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 71, 679,
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$	• • • • • • • •	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 71, 679, 141,
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	• • • • • • • • • • • • •	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 71, 679, 141, 67,
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 71, 679, 141, 67, 211,
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 71, 679, 141, 67, 211,
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		• \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		•         •	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$           \$	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S       S	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S           S	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Joisel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S           S	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S           S	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Joisel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S           S	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S           S	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Prine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		•         •	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Company Supervision:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		•         •	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Company Supervision:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Consulting Services:Consulting Services:Contract Labor:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283</td><td>\$       -         \$</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>S         S           S         S</td><td>5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.127	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Consulting Services:Consulting Services:Contract Labor:Roustabout Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.115 8200.169 8200.164 8200.158 8200.124 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5,, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 98, 182, 98, 41, 71, 200, 100, 45, 2, 217, 2217, 22, 217, 22,
8200.111 8200.113 8200.149 8200.152 8200.12 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.128 8200.117 8200.115 8200.115 8200.169 8200.164 8200.158 8200.124 8200.138 8200.138 8200.138 8200.138 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 227, 22,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.128 8200.128 8200.117 8200.115 8200.115 8200.169 8200.164 8200.164 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2,
8200.111         8200.133         8200.149         8200.152         8200.103         8200.102         8200.104         8200.102         8200.104         8200.102         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.105         8200.117         8200.117         8200.117         8200.117         8200.117         8200.119         8200.119         8200.124         8200.124         8200.138         8200.138         8200.138         8200.138         8200.125         8200.127         8200.127         8200.136         8200.136         8200.136         8200.136	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5, 7, 100, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 227, 22,
8200.111         8200.133         8200.149         8200.152         8200.132         8200.103         8200.102         8200.104         8200.102         8200.104         8200.102         8200.104         8200.104         8200.104         8200.115         8200.115         8200.117         8200.117         8200.117         8200.117         8200.117         8200.117         8200.119         8200.119         8200.124         8200.124         8200.138         8200.138         8200.138         8200.138         8200.138         8200.125         8200.127         8200.127         8200.136         8200.136         8200.134         8200.134	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447</td><td>\$       -         \$</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>S         S         S           S         S         S</td><td>5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7,</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S         S           S         S         S	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7,
8200.111         8200.133         8200.149         8200.152         8200.132         8200.103         8200.102         8200.104         8200.102         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.106         8200.119         8200.164         8200.124         8200.124         8200.138         8200.138         8200.138         8200.138         8200.138         8200.138         8200.138         8200.125         8200.138         8200.127         8200.136         8200.136         8200.136         8200.134         8200.134	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:Safety & Environmental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447 - 2,175	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5;, 7; 102, 71, 679, 141, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7, 7, 2, 7,
8200.111         8200.133         8200.149         8200.152         8200.103         8200.102         8200.102         8200.104         8200.102         8200.104         8200.102         8200.104         8200.104         8200.104         8200.104         8200.105         8200.117         8200.115         8200.117         8200.117         8200.117         8200.119         8200.164         8200.124         8200.144         8200.125         8200.138         8200.106         8200.125         8200.127         8200.127         8200.127         8200.136         8200.136         8200.136         8200.134         8200.135         8200.135         8200.135         8200.135	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:Safety & Environmental:Drilling Overhead:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447</td><td>\$       -         \$</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>S         S           S         S</td><td>5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7, 2, 7,</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5, 7, 10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7, 2, 7,
8200.111         8200.133         8200.149         8200.152         8200.132         8200.103         8200.102         8200.104         8200.102         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.106         8200.119         8200.164         8200.124         8200.124         8200.138         8200.138         8200.138         8200.138         8200.138         8200.138         8200.138         8200.125         8200.138         8200.127         8200.136         8200.136         8200.136         8200.134         8200.134	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:Safety & Environmental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447 - 2,175	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5;, 7; 10, 102, 71, 679, 141, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7,

## AFE # NM0217 - Gravling 11 Fed Com #302H

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Intangible Completic		\$	-	\$	5,563,760	\$ -	\$ 5,563,760
8300.205	Location & Roads:	\$	-	\$	5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$	-	\$	-	\$ -	\$ -
8300.243	Analysis	\$	-	\$	12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$	-	\$	1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$	-	\$	932,358	\$ -	\$ 932,358
8300.207	Water:	\$	-	\$	540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$	-	\$	82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$	-	\$	443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$	-	\$	110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$	-	\$	399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$	-	\$	700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$	-	\$	371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$	-	\$	18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$	-	\$	43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$	-	\$	28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$	-	\$	6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$	-	\$	200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$	-	\$	30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$	-	\$	1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$	-	\$	5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$	-	\$	39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$	-	\$	110,642	\$ -	\$ 110,642
8300.273	Flowback:	\$	-	\$	59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$	-	\$	13,642	\$ -	\$ 13,642
8300.225	Contingency:	\$	-	\$	-	\$ -	\$ -
Intangible Facilities		\$	-	\$	-	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$	-	\$	-	\$ -	\$ -
8350.402	Damages/ROW:	\$	-	\$	-	\$ -	\$ -
8350.403	Location, Roads:	\$	-	\$	-	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$	-	\$	-	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$	-	\$	-	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$	-	\$	-	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$	-	\$	-	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$	-	\$	_	\$ -	\$ -
8350.410	Transportation:	\$	-	\$	-	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$	-	\$	-	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$	-	\$	-	\$ 	\$ 
8350.413	Contingency:	\$	_	\$	_	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$	2,731,740	¢	5,563,760	\$ 353,282	\$ 8,648,782

TOTAL D&C&F COSTS >>>	\$ 3,676,102	\$ 5,836,220	\$ 1,508,788	\$ 11,021,110
TOTAL DACAP COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:



AFE: NM0218	Date: June 28,	2023
Well Name: Grayling 11 Fed Com #303H	Projected MD/TVD: 1	8873 / 8550
Target: Bone Springs	Spud to TD: 1	2.6 days
County: Lea	Lateral Length: 1	0,000
State: NM	Stages: 64	4
SHL: Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant (ppf): 2	,500
BHL: Sec: 14, T-19S, R-32E; FSL, 2178 FEL	Total Fluid (gal/ft): 3	,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #303H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 18873' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

TOTAL

	TOTAL
DRILLING:	\$3,676,102
COMPLETIONS:	\$5,836,220
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,021,110

Signature:	Jacob Nagy	Date:	Co-C.E.O.
Name.	Засов наду	nue.	00.1.0.
Signature:		Date:	
Name:	Skyler Gary	Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0218 - Grayling 11 Fed Com #303H

angible Drilling	TANGIBLE COSTS	*	Drilling		mpletion	¢	Facilities	¢	Total
	Surface Continue	\$	944,363	\$	-	\$	-	\$	944,3
8400.301	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,8
8400.302	Intermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,6
8400.302	Intermediate2 Casing:	\$	-	\$	-	\$	-	\$	
8400.303	Production Casing:	\$	577,908	\$	-	\$	-	\$	577,9
8400.340	Wellhead Equipment:	\$	56,903	\$		\$		\$	56,9
0400.040			50,505						50,0
		\$	-	\$	-	\$	-	\$	
ngible Completior		\$	-	\$	272,460	\$	-	\$	272,4
8400.308	Tubing:	\$	-	\$	123,523	\$	-	\$	123,
8400.340	Wellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,
8400.312	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,
		\$		\$		\$		\$	,
			-	· ·	-		4 455 505		4 455 5
ngible Facility		\$	-	\$	-	\$	1,155,505	\$	1,155,5
8400.341	Vessels:	\$	-	\$	-	\$	220,123	\$	220,
8400.342	Tanks:	\$	-	\$	-	\$	101,017	\$	101,
8400.343	Flare:	\$	-	\$	-	\$	28,281	\$	28,
8400.344	Compressors:	\$	-	\$	-	\$	19,708	\$	19,
8400.316	Pipe/Valves/Fittings:	\$		\$		\$	166,483	\$	166,
			-		-				
8400.328	Instrumentation/Meters:	\$	-	\$	-	\$	51,285	\$	51,
8400.345	LACT Unit:	\$	-	\$	-	\$	-	\$	
8400.346	Electrical Facility:	\$	-	\$	-	\$	-	\$	
8400.347	Containment:	\$	-	\$	-	\$	27,245	\$	27,
8400.348	Pump/Supplies:			· ·		\$			41,
		\$	-	\$	-		41,433	\$	41,
8400.349	Pipelines:	\$	-	\$	-	\$	-	\$	
8400.315	Flowlines:	\$	-	\$	-	\$	-	\$	
8400.350	Instrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,
		\$	-	\$	-	\$	-	\$	
1	OTAL TANGIBLE COSTS >>>	\$	944,363	\$	272,460	¢	1,155,505	\$	2,372,3
		Ψ	344,303	Ψ	272,400	Ψ	1,100,000	Ψ	2,072,0
	INTANGIBLE COSTS		Drilling	Co	mpletion		Facilities		Total
angible Drilling			-		-	¢		¢	
-		\$	2,731,740	\$	-	\$	-	\$	2,731,7
8200.111	Survey, Stake/Permit:	\$	5,269		-	\$	-	\$	5,
8200.113	Damages/ROW:	\$	7,903	\$	-	\$	-	\$	7,
		Ψ	.,						
		\$		\$	-	\$	-	\$	10.
8200.149	Legal, Title, Etc.	\$	10,538	\$	-	\$ \$	-		
8200.149 8200.152	Legal, Title, Etc. Well Control Insurance:	\$ \$	10,538 7,903	\$ \$	-	\$	-	\$	7,
8200.149 8200.152 8200.112	Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$	10,538 7,903 102,606	\$ \$ \$	-	\$ \$	-	\$ \$	7, 102,
8200.149 8200.152 8200.112 8200.103	Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$	10,538 7,903 102,606 71,655	\$ \$ \$ \$	-	\$ \$ \$		\$ \$ \$	7, 102, 71,
8200.149 8200.152 8200.112 8200.103 8200.102	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370	\$ \$ \$ \$		\$ \$ \$ \$	- - - -	\$ \$ \$ \$	7, 102, 71, 679,
8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102	\$ \$ \$ \$ \$		\$ \$ \$	- - - - - -	\$ \$ \$	7, 102, 71, 679, 141,
8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102	\$ \$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$	7, 102, 71, 679, 141,
8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057	\$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67,
8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - -	\$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211,
8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- 	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23,
8200.149 8200.152 8200.103 8200.102 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Prine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Dirill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Prine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.164 8200.158 8200.164 8200.124 8200.146 8200.137 8200.138	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100,
8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.164 8200.158 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.164 8200.158 8200.164 8200.124 8200.146 8200.137 8200.138	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2,
8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.164 8200.158 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.164 8200.158 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.137 8200.138 8200.125 8200.144 8200.107 8200.127	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.164 8200.158 8200.164 8200.158 8200.124 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.127	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Joiesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.128 8200.117 8200.115 8200.169 8200.169 8200.164 8200.164 8200.137 8200.138 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 2,
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8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.128 8200.128 8200.115 8200.115 8200.169 8200.169 8200.164 8200.164 8200.158 8200.124 8200.138 8200.138 8200.138 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136 8200.134	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Joiesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 2,
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8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.128 8200.128 8200.117 8200.115 8200.169 8200.164 8200.164 8200.164 8200.144 8200.137 8200.138 8200.106 8200.125 8200.144 8200.127 8200.168 8200.136 8200.134 8200.135 8200.135	Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:Safety & Environmental:	\$         \$ <td< td=""><td>10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7,</td></td<>	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10, 7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 2, 7,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.128 8200.128 8200.117 8200.115 8200.169 8200.164 8200.164 8200.158 8200.144 8200.137 8200.138 8200.106 8200.125 8200.144 8200.127 8200.168 8200.136 8200.135 8200.135 8200.147	Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Diresel: Mud - Diesel: Mud - Joiesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis: Safety & Environmental: Drilling Overhead:	\$         \$ <td< td=""><td>10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 2, 7,</td></td<>	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 2, 7,
8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.128 8200.128 8200.115 8200.169 8200.169 8200.164 8200.164 8200.164 8200.144 8200.137 8200.138 8200.106 8200.125 8200.144 8200.127 8200.168 8200.136 8200.134 8200.135 8200.135	Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:Safety & Environmental:	\$         \$ <td< td=""><td>10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 7,</td></td<>	10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7, 102, 71, 679, 141, 67, 211, 164, 4, 23, 107, 29, 95, 182, 98, 41, 71, 200, 100, 45, 2, 217, 27, 27, 7,

## AFE # NM0218 - Gravling 11 Fed Com #303H

ntangible Completio	on	\$ -	\$	5,563,760	\$ -	\$ 5,563,760
8300.205	Location & Roads:	\$ -	\$	5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$ -	\$	-	\$ -	\$ -
8300.243	Analysis	\$ -	\$	12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$ -	\$	1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$ -	\$	932,358	\$ -	\$ 932,358
8300.207	Water.	\$ -	\$	540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$ -	\$	82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$ -	\$	443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$ -	\$	110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$ -	\$	399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$ -	\$	700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$ -	\$	371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$ -	\$	18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole).	\$ -	\$	43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$ -	\$	28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$ -	\$	6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$ -	\$	200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$ -	\$	30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$ -	\$	1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$ -	\$	5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$ -	\$	39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$ -	\$	110,642	\$ -	\$ 110,642
8300.273	Flowback:	\$ -	\$	59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$ -	\$	13,642	\$ -	\$ 13,642
8300.225	Contingency:	\$ -	\$	-	\$ -	\$ -
ntangible Facilities		\$ -	\$	-	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$ -	\$	-	\$ -	\$ 
8350.402	Damages/ROW:	\$ -	\$	-	\$ -	\$
8350.403	Location, Roads:	\$ -	\$	-	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$ -	\$	-	\$ -	\$ 
8350.406	Automation/Electrical Labor:	\$ -	\$	-	\$ -	\$
8350.407	Engineering/Technical Labor:	\$ -	\$	-	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$ -	\$	-	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$ -	\$	-	\$ -	\$ 
8350.410	Transportation:	\$ -	\$	-	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$ -	\$	-	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$ _	\$	-	\$ ,	\$ ,
8350.413	Contingency:	\$ -	\$	-	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$ 2,731,740	Ψ	5,563,760	\$ 353,282	\$ 8,648,782

TOTAL D&C&F COSTS >>>	\$ 3,676,102	\$ 5,836,220	\$ 1,508,788	\$ 11,021,110
TOTAL DACAP COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:



AFE:	NM0219	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #304H	Projected MD	)/TVD:	18873 / 8550
Target:	Bone Springs	Spud	to TD:	12.6 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	S	tages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	(ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 2178 FWL	Total Fluid (g	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #304H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 18873' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,676,102
COMPLETIONS:	\$5,836,220
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,021,110

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0219 - Grayling 11 Fed Com #304H

analista Dulli	TANGIBLE COSTS		Drilling	Completion	Facilities	-	Total
angible Drilling		\$	944,363	\$-	\$-	\$	944,36
8400.301	Surface Casing:	\$	64,871	\$-	\$-	\$	64,8
8400.302	Intermediate1 Casing:	\$	244,681	\$-	\$-	\$	244,68
8400.302	Intermediate2 Casing:	\$	-	\$-	\$-	\$	
8400.303	Production Casing:	\$	577,908	\$-	\$-	\$	577,9
8400.340	Wellhead Equipment:	\$	56,903	\$ -	\$ -	\$	56,9
0100.010		\$		\$-	\$-	\$	00,0
naible Completion			-				070 40
angible Completion	-	\$	-	\$ 272,460		\$	272,46
8400.308	Tubing:	\$	-	\$ 123,523	\$ -	\$	123,5
8400.340	Wellhead Equip:	\$	-	\$ 107,841	\$-	\$	107,8
8400.312	Artificial Lift: Gas Lift	\$	-	\$ 41,096	\$-	\$	41,0
		\$	-	\$-	\$-	\$	
angible Facility		\$	-	\$ -	\$ 1,155,505	\$	1,155,5
8400.341	Vessels:	\$		\$-	\$ 220,123	-	220,1
8400.342	Tanks:	\$		\$-	. ,	· ·	101,0
			-		. ,	· ·	
8400.343	Flare:	\$	-	\$-	\$ 28,281	\$	28,2
8400.344	Compressors:	\$	-	\$-	\$ 19,708	_	19,7
8400.316	Pipe/Valves/Fittings:	\$	-	\$-	\$ 166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$	-	\$-	\$ 51,285		51,2
8400.345	LACT Unit:	\$	-	\$ -	\$ -	\$	- ,
	Electrical Facility:					-	
8400.346		\$	-	\$-	\$ -	\$	
8400.347	Containment:	\$	-	\$ -	\$ 27,245	-	27,2
8400.348	Pump/Supplies:	\$	-	\$-	\$ 41,433	\$	41,4
8400.349	Pipelines:	\$	-	\$-	\$-	\$	
8400.315	Flowlines:	\$	-	\$-	\$-	\$	
8400.350	Instrument/Electrical Panel:	\$		\$ -	\$ 499,929	\$	499,9
0400.000		\$		•	\$ -		400,0
			-	\$ -	,	\$	
	OTAL TANGIBLE COSTS >>>	\$	944,363	\$ 272,460	\$ 1,155,505	\$	2,372,3
	INTANGIBLE COSTS		Drilling	Completion	Facilities		Total
tangible Drilling		\$	2,731,740	\$-	\$ -	\$	2,731,7
				•		-	
8200.111	Survey, Stake/Permit:	\$	5,269	\$-	\$ -	\$	
8200.111 8200.113	-	\$	5,269			-	5,2
8200.113	Damages/ROW:	\$ \$	5,269 7,903	\$ - \$ -	\$ - \$ -	\$ \$	5,2 7,9
8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	5,269 7,903 10,538	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ \$ \$	5,2 7,9 10,9
8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$	5,269 7,903 10,538 7,903	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ \$ \$ \$	5,; 7,9 10,9 7,9
8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606	\$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$	5,2 7,9 10,9 7,9 102,6
8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,9 7,9 102,0 71,0
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$	5,2 7,9 10,9 7,9 102,0 71,0
8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,9 7,9 102,6 71,6 679,5
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 102, 71, 679, 141,
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,4 7,1 102, 71, 679,; 141, 679,
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,; 7,1 102, 71, 679,; 141, 679,; 141, 211,
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,; 7,1 102, 71, 679,; 141, 67, 211, 164,9
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,, 7,1 102, 71, 679, 141, 67, 211, 164, 4,
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,, 7,1 102, 71, 679, 141, 67, 211, 164, 4,
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,9 102,0 71,0 679,3 141,7 67,0 211,0 164,9 4,8 23,4
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021	\$     -       \$     -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,3 102, 102, 71, 679, 141, 67, 211, 164,9 4,; 23, 107,
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065	\$     -       \$     -	\$       -         \$       -	\$\$       \$\$ <td< td=""><td>5,; 7,5 10,5 102,6 71,6 679,3 141,7 67,0 211,1 164,5 4,5 23,4 107,0 29,0</td></td<>	5,; 7,5 10,5 102,6 71,6 679,3 141,7 67,0 211,1 164,5 4,5 23,4 107,0 29,0
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Joisel: Mud - Auxiliary: Solids Control/Closed Loop:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241	\$       -         \$       -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 102, 102, 102, 71, 679, 141, 67, 211, 164, 23, 107, 29, 95,;
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Pine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055	\$       -         \$       -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,9 102,1 102,1 71,1 679,3 141,7 67,1 211,1 164,9 164,9 23,2 107,1 29,1 95,2 182,1
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314	\$       -         \$       -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,9 102,1 102,1 679,3 141, 679,3 141, 67,1 211,1 164,3 141, 23,3 23,4 107,1 29,1 95,3 182,1 98,3
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Pine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055	\$       -         \$       -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,9 102,1 102,1 679,3 141, 679,3 141, 67,1 211,1 164,3 141, 23,3 23,4 107,1 29,1 95,3 182,1 98,3
8200.113 8200.149 8200.152 8200.103 8200.103 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233	\$       -         \$       -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,; 10,; 102,; 102,; 102,; 71,; 679,; 141,; 67,; 211,; 164,; 211,; 164,; 23,; 23,; 107,; 29,; 95,; 182,; 98,; 41,;
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Prine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630	\$       -         \$       -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,; 10,; 7,; 102,; 71,; 679,; 141,; 67,; 211,; 164,; 23,; 107,; 29,; 29,; 95,; 182,; 98,; 41,; 71,;
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Prine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213	\$       -         \$       -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,; 10,; 7,; 102,; 71,; 679,; 141,; 67,; 211,; 164,; 23,; 107,; 29,; 95,; 182,; 98,; 41,; 71,; 200,;
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Prine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495	\$       -         \$       -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,; 10,; 7,; 102,; 71,; 679,; 141,; 67,; 211,; 164,; 23,; 107,; 29,; 98,; 182,; 98,; 41,; 71,; 200,; 100,;
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.124 8200.137 8200.138 8200.106 8200.125	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Prine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311	\$       -         \$       -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,; 10,; 7,; 102,; 71,; 679,; 141,; 67,; 211,; 164,; 23,; 107,; 29,; 98,; 41,; 71,; 200,; 100,; 45,;
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8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.104 8200.128 8200.128 8200.128 8200.115 8200.115 8200.169 8200.169 8200.164 8200.164 8200.137 8200.138 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diresel:Mud - Joiseel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$       -         \$	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,; 10,; 7,; 102,6 71,6 679,; 141, 67,( 211,0 164,5 23,; 107,( 29,0 95,2 182,0 98,3 41,2 71,6 200,2 20,2 217,6 27,2 217,6 27,2 2,7
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8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.128 8200.128 8200.128 8200.115 8200.115 8200.169 8200.169 8200.164 8200.164 8200.137 8200.138 8200.138 8200.138 8200.138 8200.144 8200.107 8200.127 8200.168 8200.136	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Consulting Services:Consulting Services:Consulting Services:Consulting Services:Mudlogging:Geo-Steering:	\$       \$         \$	5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132	\$       -         \$	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,; 10,; 7,; 102,6 71,6 679,; 141, 67,( 211,0 164,5 23,; 107,( 29,0 95,2 182,0 98,3 41,2 71,6 200,2 20,2 217,6 27,2 217,6 27,2 2,7
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## AFE # NM0219 - Gravling 11 Fed Com #304H

ntangible Completio	n	\$ -	\$	5,563,760	\$ -	\$ 5,563,760
8300.205	Location & Roads:	\$ -	\$	5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$ -	\$	-	\$ -	\$ -
8300.243	Analysis	\$ -	\$	12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$ -	\$	1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$ -	\$	932,358	\$ -	\$ 932,358
8300.207	Water:	\$ -	\$	540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$ -	\$	82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$ -	\$	443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$ -	\$	110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$ -	\$	399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$ -	\$	700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$ -	\$	371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$ -	\$	18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$ -	\$	43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$ -	\$	28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$ -	\$	6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$ -	\$	200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$ -	\$	30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$ -	\$	1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$ -	\$	5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$ -	\$	39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$ -	\$	110,642	\$ -	\$ 110,642
8300.273	Flowback:	\$ -	\$	59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$ -	\$	13,642	\$ -	\$ 13,642
8300.225	Contingency:	\$ -	\$	-	\$ -	\$ -
ntangible Facilities		\$ -	\$	-	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$ -	\$	-	\$ -	\$ -
8350.402	Damages/ROW:	\$ -	\$	-	\$ -	\$ -
8350.403	Location, Roads:	\$ -	\$	-	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$ -	\$	-	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$ -	\$	-	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$ -	\$	-	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$ -	\$	-	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$ -	\$	-	\$ -	\$ -
8350.410	Transportation:	\$ -	\$	-	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$ -	\$	-	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$ -	\$	-	\$ -	\$ 
8350.413	Contingency:	\$ -	\$	-	\$ 71,847	\$ 71,847
	TAL INTANGIBLE COSTS >>>	\$ 2,731,740	¢	5,563,760	\$ 353,282	\$ 8,648,782

TOTAL D&C&F COSTS >>>	\$ 3,676,102	\$ 5,836,220	\$ 1,508,788	\$ 11,021,110
TOTAL DACAP COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:



AFE:	NM0220	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #305H	Projected MD	)/TVD:	18873 / 8550
Target:	Bone Springs	Spud	to TD:	12.6 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	S	Stages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	: (ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 1254 FWL	Total Fluid (	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #305H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 18873' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

TOTAL

	TOTAL
DRILLING:	\$3,676,102
COMPLETIONS:	\$5,836,220
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,021,110

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0220 - Grayling 11 Fed Com #305H

	TANGIBLE COSTS		Drilling		npletion	-	Facilities		Total
angible Drilling		\$	944,363	\$	-	\$	-	\$	944,36
8400.301	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,87
8400.302	Intermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,68
8400.302	Intermediate2 Casing:	\$	-	\$	-	\$	-	\$	
8400.303	Production Casing:	\$	577,908	\$	-	\$	-	\$	577,90
8400.340	Wellhead Equipment:	\$	56,903	\$	_	\$	-	\$	56,90
0400.040		\$	00,000	\$		\$		\$	00,00
angible Completior			-	· ·	272 460	۹ \$	-		272.46
		\$	-	\$	272,460		-	\$	272,46
8400.308	Tubing:	\$	-	\$	123,523	\$	-	\$	123,52
8400.340	Wellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,84
8400.312	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,09
		\$	-	\$	-	\$	-	\$	
angible Facility		\$	-	\$	-	\$	1,155,505	\$	1,155,50
8400.341	Vessels:	\$	-	\$		\$	220,123	\$	220,12
8400.342	Tanks:	\$		\$		\$	101,017	\$	101,0
			-	· ·	-				
8400.343	Flare:	\$	-	\$	-	\$	28,281	\$	28,28
8400.344	Compressors:	\$	-	\$	-	\$	19,708	\$	19,70
8400.316	Pipe/Valves/Fittings:	\$	-	\$	-	\$	166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$	-	\$	-	\$	51,285	\$	51,2
8400.345	LACT Unit:	\$	-	\$	-	\$	-	\$	
8400.346	Electrical Facility:	\$		\$		\$		\$	
	Containment:		-	· ·			07.045		07.0
8400.347	-	\$	-	\$	-	\$	27,245	\$	27,2
8400.348	Pump/Supplies:	\$	-	\$	-	\$	41,433	\$	41,4
8400.349	Pipelines:	\$	-	\$	-	\$	-	\$	
8400.315	Flowlines:	\$	-	\$	-	\$	-	\$	
8400.350	Instrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,9
		\$	-	\$		\$		\$	,.
	OTAL TANGIBLE COSTS >>>	\$	044.262	,	272 460	,	4 455 505		2 272 24
I	UTAL TANGIBLE CUSTS	Ŷ	944,363	\$	272,460	Þ	1,155,505	\$	2,372,32
	INTANGIBLE COSTS		Drilling	Car	npletion		Facilities	1	Total
	INTANOIDEL COSTS		Drinning		inpletion		Facilities		
		<b>^</b>	-	*	-			•	
		\$	2,731,740	\$	-	\$	-	\$	
8200.111	Survey, Stake/Permit:	<b>\$</b> \$	<b>2,731,740</b> 5,269	<b>\$</b>	-	\$	-	<b>\$</b> \$	5,2
	Survey, Stake/Permit: Damages/ROW:		2,731,740		-		-		5,2
8200.111	-	\$ \$	<b>2,731,740</b> 5,269 7,903	\$	-	\$	-	\$	<b>2,731,7</b> 4 5,2 7,9 10,5
8200.111 8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538	\$ \$ \$	-	\$\$\$		\$ \$ \$	5,2 7,9 10,5
8200.111 8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$ \$	2,731,740 5,269 7,903 10,538 7,903	\$ \$ \$		\$	-	\$ \$ \$	5,2 7,9 10,5 7,9
8200.111 8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$ \$	2,731,740 5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057	\$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Brine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>S       S    <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2</td></t<></td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S       S <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2</td></t<>	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Brine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - -</td><td>\$       \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0</td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$       \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0
8200.111 8200.113 8200.149 8200.152 8200.102 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Brine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3</td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3
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8200.111 8200.113 8200.149 8200.152 8200.102 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314</td><td>\$\$       <td< td=""><td>- - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2 71,6</td></td<></td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314	\$\$       \$\$ <td< td=""><td>- - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2 71,6</td></td<>	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2 71,6
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## AFE # NM0220 - Gravling 11 Fed Com #305H

ntangible Completio	on	\$ -	\$	5,563,760	\$ -	\$ 5,563,760
8300.205	Location & Roads:	\$ -	\$	5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$ -	\$	-	\$ -	\$ -
8300.243	Analysis	\$ -	\$	12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$ -	\$	1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$ -	\$	932,358	\$ -	\$ 932,358
8300.207	Water:	\$ -	\$	540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$ -	\$	82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$ -	\$	443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$ -	\$	110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$ -	\$	399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$ -	\$	700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$ -	\$	371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$ -	\$	18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$ -	\$	43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$ -	\$	28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$ -	\$	6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$ -	\$	200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$ -	\$	30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$ -	\$	1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$ -	\$	5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$ -	\$	39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$ -	\$	110,642	\$ -	\$ 110,642
8300.273	Flowback:	\$ -	\$	59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$ -	\$	13,642	\$ -	\$ 13,642
8300.225	Contingency:	\$ -	\$	-	\$ -	\$ -
ntangible Facilities	• • •	\$ -	\$	-	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$ -	\$	-	\$ -	\$ -
8350.402	Damages/ROW:	\$ -	\$	-	\$ -	\$ -
8350.403	Location, Roads:	\$ -	\$	-	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$ -	\$	-	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$ -	\$	-	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$ -	\$	-	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$ -	\$	-	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$ -	\$	-	\$ -	\$ 
8350.410	Transportation:	\$ -	\$	-	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$ -	\$	-	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$ -	\$	-	\$ -	\$ ,
8350.413	Contingency:	\$ -	\$	-	\$ 71,847	\$ 71,847
	TAL INTANGIBLE COSTS >>>	\$ 2,731,740	¢	5,563,760	\$ 353,282	\$ 8,648,782

TOTAL D&C&F COSTS >>>	\$ 3,676,102	\$ 5,836,220	\$ 1,508,788	\$ 11,021,110
TOTAL DACAF COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date: \_\_\_\_\_



AFE:	NM0221	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #306H	Projected MI	D/TVD:	18873 / 8550
Target:	Bone Springs	Spud	to TD:	12.6 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	9	Stages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	t (ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 330 FWL	Total Fluid (	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #306H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 18873' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,676,102
COMPLETIONS:	\$5,836,220
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,021,110

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0221 - Grayling 11 Fed Com #306H

	TANGIBLE COSTS		Drilling		npletion	-	Facilities		Total
angible Drilling		\$	944,363	\$	-	\$	-	\$	944,36
8400.301	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,87
8400.302	Intermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,68
8400.302	Intermediate2 Casing:	\$	-	\$	-	\$	-	\$	
8400.303	Production Casing:	\$	577,908	\$	-	\$	-	\$	577,90
8400.340	Wellhead Equipment:	\$	56,903	\$	_	\$	-	\$	56,90
0400.040		\$	00,000	\$		\$		\$	00,00
angible Completior			-	· ·	272 460	۹ \$	-		272.46
		\$	-	\$	272,460		-	\$	272,46
8400.308	Tubing:	\$	-	\$	123,523	\$	-	\$	123,52
8400.340	Wellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,84
8400.312	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,09
		\$	-	\$	-	\$	-	\$	
angible Facility		\$	-	\$	-	\$	1,155,505	\$	1,155,50
8400.341	Vessels:	\$	-	\$		\$	220,123	\$	220,12
8400.342	Tanks:	\$		\$		\$	101,017	\$	101,0
			-	· ·	-				
8400.343	Flare:	\$	-	\$	-	\$	28,281	\$	28,28
8400.344	Compressors:	\$	-	\$	-	\$	19,708	\$	19,70
8400.316	Pipe/Valves/Fittings:	\$	-	\$	-	\$	166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$	-	\$	-	\$	51,285	\$	51,2
8400.345	LACT Unit:	\$	-	\$	-	\$	-	\$	
8400.346	Electrical Facility:	\$		\$		\$		\$	
	Containment:		-	· ·			07.045		07.0
8400.347	-	\$	-	\$	-	\$	27,245	\$	27,2
8400.348	Pump/Supplies:	\$	-	\$	-	\$	41,433	\$	41,4
8400.349	Pipelines:	\$	-	\$	-	\$	-	\$	
8400.315	Flowlines:	\$	-	\$	-	\$	-	\$	
8400.350	Instrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,9
		\$	-	\$		\$		\$	,.
	OTAL TANGIBLE COSTS >>>	\$	044.262	,	272 460	,	4 455 505		2 272 24
I	UTAL TANGIBLE CUSTS	Ŷ	944,363	\$	272,460	Þ	1,155,505	\$	2,372,32
	INTANGIBLE COSTS		Drilling	Car	npletion		Facilities	1	Total
	INTANOIDEL COSTS		Drinning		inpletion		Facilities		
		<b>^</b>	-	*	-			•	
		\$	2,731,740	\$	-	\$	-	\$	
8200.111	Survey, Stake/Permit:	<b>\$</b> \$	<b>2,731,740</b> 5,269	<b>\$</b>	-	\$	-	<b>\$</b> \$	5,2
	Survey, Stake/Permit: Damages/ROW:		2,731,740		-		-		5,2
8200.111	-	\$ \$	<b>2,731,740</b> 5,269 7,903	\$	-	\$	-	\$	<b>2,731,7</b> 4 5,2 7,9 10,5
8200.111 8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538	\$ \$ \$	-	\$\$\$		\$ \$ \$	5,2 7,9 10,5
8200.111 8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$ \$	2,731,740 5,269 7,903 10,538 7,903	\$ \$ \$		\$	-	\$ \$ \$	5,2 7,9 10,5 7,9
8200.111 8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$ \$	2,731,740 5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,731,740</b> 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Brine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>S       S    <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2</td></t<></td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S       S <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2</td></t<>	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Brine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0</td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0
8200.111 8200.113 8200.149 8200.152 8200.102 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Brine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3</td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW:         Legal, Title, Etc.         Well Control Insurance:         Location:         Rig Move:         Drilling Daywork:         Fuel/Power:         Bits & BHA:         Directional:         Mud & Chemicals:         Mud - Drill Water:         Mud - Diesel:         Mud - Auxiliary:         Solids Control/Closed Loop:         Disposal:         Equipment Rental:         Mancamp:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233</td><td>\$\$       <td< td=""><td>- - - - - -</td><td>\$       \$</td><td></td><td>\$         <td< td=""><td>5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2</td></td<></td></td<></td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233	\$\$       \$\$ <td< td=""><td>- - - - - -</td><td>\$       \$</td><td></td><td>\$         <td< td=""><td>5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2</td></td<></td></td<>	- - - - - -	\$       \$		\$         \$ <td< td=""><td>5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2</td></td<>	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2
8200.111 8200.113 8200.149 8200.152 8200.102 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314</td><td>\$\$       <td< td=""><td>- - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2 71,6</td></td<></td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314	\$\$       \$\$ <td< td=""><td>- - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2 71,6</td></td<>	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 679,3 141,1 67,0 211,0 164,9 4,8 23,4 107,0 29,0 95,2 182,0 98,3 41,2 71,6
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8200.111         8200.113         8200.149         8200.152         8200.103         8200.102         8200.102         8200.104         8200.102         8200.104         8200.102         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.115         8200.117         8200.117         8200.117         8200.117         8200.119         8200.119         8200.124         8200.124         8200.125         8200.125         8200.125         8200.125         8200.125         8200.127         8200.127         8200.126         8200.136         8200.136         8200.134         8200.135         8200.135         8200.135         8200.135	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Dissel:Mud - Joissel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:Safety & Environmental:Drilling Overhead:	\$         \$ <td< td=""><td>2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447 - 2,175</td><td>\$\$       <td< td=""><td>- - - - - -</td><td>\$\$       <td< td=""><td></td><td>\$       \$</td><td>5,2 7,9</td></td<></td></td<></td></td<>	2,731,740 5,269 7,903 10,538 7,903 102,606 71,655 679,370 141,102 67,057 211,092 164,926 4,807 23,458 107,021 29,065 95,241 182,055 98,314 41,233 71,630 200,213 100,495 45,311 2,400 217,679 27,283 2,132 - 7,447 - 2,175	\$\$       \$\$ <td< td=""><td>- - - - - -</td><td>\$\$       <td< td=""><td></td><td>\$       \$</td><td>5,2 7,9</td></td<></td></td<>	- - - - - -	\$\$       \$\$ <td< td=""><td></td><td>\$       \$</td><td>5,2 7,9</td></td<>		\$       \$	5,2 7,9
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## AFE # NM0221 - Gravling 11 Fed Com #306H

Intangible Completic	n	\$ -	\$ 5,563,760	\$ -	\$ 5,563,760
8300.205	Location & Roads:	\$ -	\$ 5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$ -	\$ -	\$ -	\$ -
8300.243	Analysis	\$ -	\$ 12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$ -	\$ 1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$ -	\$ 932,358	\$ -	\$ 932,358
8300.207	Water:	\$ -	\$ 540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$ -	\$ 82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$ -	\$ 443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$ -	\$ 110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$ -	\$ 399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$ -	\$ 700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$ -	\$ 371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$ -	\$ 18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$ -	\$ 43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$ -	\$ 28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$ -	\$ 6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$ -	\$ 200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$ -	\$ 30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$ -	\$ 1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$ -	\$ 5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$ -	\$ 39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$ -	\$ 110,642	\$ -	\$ 110,642
8300.273	Flowback:	\$ -	\$ 59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$ -	\$ 13,642	\$ -	\$ 13,642
8300.225	Contingency:	\$ -	\$ -	\$ -	\$ -
ntangible Facilities	•	\$ -	\$ -	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$ -	\$ -	\$ -	\$ -
8350.402	Damages/ROW:	\$ -	\$ -	\$ -	\$ -
8350.403	Location, Roads:	\$ -	\$ -	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$ -	\$ -	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$ -	\$ -	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$ -	\$ -	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$ -	\$ -	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$ -	\$ -	\$ -	\$ -
8350.410	Transportation:	\$ -	\$ -	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$ -	\$ -	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$ -	\$ -	\$ -	\$ -
8350.413	Contingency:	\$ -	\$ -	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$ 2,731,740	\$ 5,563,760	\$ 353,282	\$ 8,648,782

TOTAL D&C&F COSTS >>>	\$ 3,676,102	\$ 5,836,220	\$ 1,508,788	\$ 11,021,110
TOTAL D&C&F COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date: \_\_\_\_\_

Ву:\_\_\_\_\_

.



AFE:	NM0222	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #501H	Projected MD	D/TVD:	19823 / 9500
Target:	Bone Springs	Spud	to TD:	13.1 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	S	Stages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	t (ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 330 FEL	Total Fluid (	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #501H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 19823' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,758,094
COMPLETIONS:	\$5,851,785
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,118,667

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0222 - Grayling 11 Fed Com #501H

	TANGIBLE COSTS	<u> </u>	Drilling		ompletion		Facilities		Total
angible Drilling		\$	973,293	\$	-	\$	-	\$	973,29
8400.301	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,87
8400.302	Intermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,68
8400.302	Intermediate2 Casing:	\$	-	\$	-	\$	-	\$	
8400.303	Production Casing:	\$	606,839	\$	-	\$	-	\$	606,83
8400.340	Wellhead Equipment:	\$	56,903	\$	-	\$	-	\$	56,90
0100.010		\$		\$		\$		\$	00,00
angible Completion		\$		\$	286,475	پ \$	-	\$	286,47
			-				-		
8400.308	Tubing:	\$	-	\$	137,538	\$	-	\$	137,53
8400.340	Wellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,84
8400.312	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,09
		\$	-	\$	-	\$	-	\$	
angible Facility		\$	-	\$	-	\$	1,155,505	\$	1,155,50
8400.341	Vessels:	\$	-	\$	-	\$	220,123	\$	220,12
8400.342	Tanks:	\$	-	\$	-	\$	101,017	\$	101,0
8400.343	Flare:	\$		\$		\$	28,281	\$	28,28
8400.344	Compressors:		-						
		\$	-	\$	-	\$	19,708	\$	19,70
8400.316	Pipe/Valves/Fittings:	\$	-	\$	-	\$	166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$	-	\$	-	\$	51,285	\$	51,2
8400.345	LACT Unit:	\$	-	\$	-	\$	-	\$	
8400.346	Electrical Facility:	\$	-	\$	-	\$	-	\$	
8400.347	Containment:	\$	-	\$	-	\$	27,245	\$	27,2
8400.348	Pump/Supplies:	\$	-	\$		\$	41,433	\$	41,4
8400.349	Pipelines:	\$		\$		\$	-	\$	,.
8400.315	Flowlines:		-						
		\$	-	\$	-	\$	-	\$	400.0
8400.350	Instrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,9
		\$	-	\$	-	\$	-	\$	
7	OTAL TANGIBLE COSTS >>>	\$	973,293	\$	286,475	\$	1,155,505	\$	2,415,27
	INTANGIBLE COSTS		Drilling		ompletion		Facilities		Total
tangible Drilling		\$	2,784,801	\$	-	\$	-	\$	2,784,80
		Ψ	2,704,001	- T	-		-	- <b>-</b>	_,
8200.111	Survey, Stake/Permit:	φ \$		\$	-	\$	-	\$	
8200.111	-	\$	5,269	\$	-	\$	-	\$	5,2
8200.111 8200.113	Damages/ROW:	\$ \$	5,269 7,903	\$ \$	-	\$	-	\$ \$	5,2 7,9
8200.111 8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	5,269 7,903 10,538	\$ \$ \$	-	\$\$\$		\$ \$ \$	5,2 7,9 10,5
8200.111 8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$	5,269 7,903 10,538 7,903	\$ \$ \$ \$		\$	-	\$ \$ \$	5,2 7,9 10,5 7,9
8200.111 8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583	\$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$       \$\$     \$\$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - - - - - - - - - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988</td><td>\$\$       <td< td=""><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - - - - - - - - - - - - - -</td><td>S       S    <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<></td></td<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988	\$\$       \$\$ <td< td=""><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - - - - - - - - - - - - - -</td><td>S       S    <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<></td></td<>	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	S       S <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<>	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407</td><td>\$\$       <td< td=""><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3</td></td<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407	\$\$       \$\$ <td< td=""><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3</td></td<>	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3
8200.111 8200.113 8200.149 8200.152 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>S       S    <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S       S <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<>	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9
8200.111 8200.113 8200.149 8200.152 8200.102 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7
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8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - -</td><td>\$       \$</td><td></td><td>\$       \$</td><td>5,2 7,9 10,5 7,9 102,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$       \$		\$       \$	5,2 7,9 10,5 7,9 102,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8
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8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud Prine:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - -</td><td>\$\$       <td< td=""><td></td><td>\$       \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4</td></td<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$\$       \$\$ <td< td=""><td></td><td>\$       \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4</td></td<>		\$       \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4
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## AFE # NM0222 - Gravling 11 Fed Com #501H

Intangible Completion           8300.205         Location & Roads:           8300.216         Cased Hole Logs & Surveys           8300.243         Analysis           8300.270         Stimulation:           8300.275         Proppant:           8300.277         Water:           8300.274         Water Transfer:           8300.205         Chemicals:           8300.206         Chemicals:           8300.209         Pump Down Services:           8300.214         Wireline/Perforating:           8300.203         Fuel, Power:	\$         \$ <td< th=""><th>- - - - - - - - - - - - - - - - - - -</th><th>\$         \$</th><th><b>5,565,310</b> 5,294 - 12,645 1,406,608 932,358 540,768 82,673</th><th><b>\$</b> \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</th><th>- - - - - -</th><th>\$ \$ \$ \$ \$ \$</th><th><b>5,565,310</b> 5,294 - 12,645 1,406,608 932,358</th></td<>	- - - - - - - - - - - - - - - - - - -	\$         \$	<b>5,565,310</b> 5,294 - 12,645 1,406,608 932,358 540,768 82,673	<b>\$</b> \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$	<b>5,565,310</b> 5,294 - 12,645 1,406,608 932,358
8300.216Cased Hole Logs & Surveys8300.243Analysis8300.270Stimulation:8300.275Proppant:8300.207Water:8300.207Water Transfer:8300.266Chemicals:8300.209Pump Down Services:8300.214Wireline/Perforating:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - -	\$ \$ \$ \$ \$ \$ \$	- 12,645 1,406,608 932,358 540,768 82,673	\$ \$ \$ \$ \$		\$\$ \$ <del>\$</del> \$	- 12,645 1,406,608
8300.243         Analysis           8300.270         Stimulation:           8300.275         Proppant:           8300.207         Water:           8300.274         Water Transfer:           8300.266         Chemicals:           8300.209         Pump Down Services:           8300.214         Wireline/Perforating:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$	1,406,608 932,358 540,768 82,673	\$ \$ \$ \$	- - - -	\$ \$ \$	1,406,608
8300.270         Stimulation:           8300.275         Proppant:           8300.207         Water:           8300.274         Water Transfer:           8300.266         Chemicals:           8300.209         Pump Down Services:           8300.214         Wireline/Perforating:	\$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$	1,406,608 932,358 540,768 82,673	\$ \$ \$	- - -	\$ \$	1,406,608
8300.275         Proppant:           8300.207         Water:           8300.274         Water Transfer:           8300.266         Chemicals:           8300.209         Pump Down Services:           8300.214         Wireline/Perforating:	\$ \$ \$ \$ \$ \$ \$ \$	- - - - -	\$ \$ \$ \$	932,358 540,768 82,673	\$ \$	-	\$	
8300.207         Water:           8300.274         Water Transfer:           8300.266         Chemicals:           8300.209         Pump Down Services:           8300.214         Wireline/Perforating:	\$ \$ \$ \$	- - - -	\$ \$ \$	540,768 82,673	\$	-		932,358
8300.274Water Transfer:8300.266Chemicals:8300.209Pump Down Services:8300.214Wireline/Perforating:	\$ \$ \$ \$		\$	82,673	*	-	\$	
8300.266Chemicals:8300.209Pump Down Services:8300.214Wireline/Perforating:	\$ \$ \$	-	\$		¢			540,768
8300.209Pump Down Services:8300.214Wireline/Perforating:	\$ \$	-			Ψ	-	\$	82,673
8300.214 Wireline/Perforating:	\$	-		443,277	\$	-	\$	443,277
			\$	110,117	\$	-	\$	110,117
8300 203 Fuel Power	¢	-	\$	399,556	\$	-	\$	399,556
	Þ	-	\$	700,280	\$	-	\$	700,280
8300.210 Rental Equipment (Surface):	\$	-	\$	371,475	\$	-	\$	371,475
8300.277 Mancamp:	\$	-	\$	18,815	\$	-	\$	18,815
8300.250 Rental Equipment (Downhole):	\$	-	\$	43,431	\$	-	\$	43,431
8300.232 Disposal:	\$	-	\$	28,704	\$	-	\$	28,704
8300.276 Safety & Environmental:	\$	-	\$	6,876	\$	-	\$	6,876
8300.277 Consulting Services:	\$	-	\$	200,739	\$	-	\$	200,739
8300.212 Contract Labor:	\$	-	\$	30,506	\$	-	\$	30,506
8300.278 Roustabout Services:	\$	-	\$	1,581	\$	-	\$	1,581
8300.220 Company Supervision:	\$	-	\$	5,058	\$	-	\$	5,058
8300.230 Completions Rig:	\$	-	\$	39,516	\$	-	\$	39,516
8300.271 Coil Tubing Unit	\$	-	\$	111,243	\$	-	\$	111,243
8300.273 Flowback:	\$	-	\$	59,201	\$	-	\$	59,201
8300.229 Transportation:	\$	-	\$	14,592	\$	-	\$	14,592
8300.225 Contingency:	\$	-	\$	-	\$	-	\$	-
Intangible Facilities	\$	-	\$	-	\$	353,282	\$	353,282
8350.401 Title Work/Permit Fees:	\$	-	\$	-	\$	-	\$	-
8350.402 Damages/ROW:	\$	-	\$	-	\$	-	\$	-
8350.403 Location, Roads:	\$	-	\$	-	\$	708	\$	708
8350.405 Pipeline/Flowline Labor:	\$	-	\$	-	\$	-	\$	-
8350.406 Automation/Electrical Labor:	\$	-	\$	-	\$	-	\$	-
8350.407 Engineering/Technical Labor:	\$	-	\$	-	\$	80,500	\$	80,500
8350.408 Civil/Mechanical Labor:	\$	_	\$	-	\$	163,933	\$	163,933
8350.409 Commissioning Labor:	\$	_	\$	-	\$	-	\$	-
8350.410 Transportation:	\$	-	\$	-	\$	22.154	\$	22,154
8350.404 Equipment Rentals:	\$	-	\$	-	\$	14,141	\$	14,141
8350.411 Safety & Environmental:	\$	-	\$	-	\$	-	\$	
8350.413 Contingency:	\$	-	\$	-	\$	71,847	\$	71,847
TOTAL INTANGIBLE COSTS >>>	\$	2,784,801		5,565,310	\$	353,282	\$	8,703,394

TOTAL D&C&F COSTS >>>	\$ 3,758,094	\$ 5,851,785	\$ 1,508,788	\$ 11,118,667
TOTAL D&C&F COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:

Ву:\_\_\_\_\_

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AFE:	NM0223	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #502H	Projected MD	)/TVD:	19823 / 9500
Target:	Bone Springs	Spud	to TD:	13.1 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	S	Stages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	: (ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 1254 FEL	Total Fluid (	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #502H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 19823' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,758,094
COMPLETIONS:	\$5,851,785
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,118,667

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0223 - Grayling 11 Fed Com #502H

.

	TANGIBLE COSTS		Drilling		mpletion		Facilities		Total
Ingible Drilling		\$	973,293	\$	-	\$	-	\$	973,29
	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,8
8400.302 I	ntermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,68
8400.302	ntermediate2 Casing:	\$	-	\$	-	\$	-	\$	
	Production Casing:	\$	606,839	\$	-	\$	-	\$	606,8
	Wellhead Equipment:	\$	56,903	\$	-	\$	-	\$	56,90
0400.040		\$	00,000	\$		\$		\$	00,0
naible Completion		_	-		-	,	-		2000 47
ngible Completion		\$	-	\$	286,475	\$	-	\$	286,47
	Tubing:	\$	-	\$	137,538	\$	-	\$	137,5
	Wellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,8
8400.312	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,0
		\$	-	\$	-	\$	-	\$	
ngible Facility		\$		\$	-	\$	1,155,505	\$	1,155,5
	Vessels:	\$		\$		<b>₽</b> \$	220,123	\$	220,1
	Tanks:	· ·	-		-		,		
		\$	-	\$	-	\$	101,017	\$	101,0
	Flare:	\$	-	\$	-	\$	28,281	\$	28,2
	Compressors:	\$	-	\$	-	\$	19,708	\$	19,7
8400.316 F	Pipe/Valves/Fittings:	\$	-	\$	-	\$	166,483	\$	166,4
8400.328	nstrumentation/Meters:	\$	-	\$	-	\$	51,285	\$	51,2
	LACT Unit:	\$	-	\$	-	\$	-	\$	
	Electrical Facility:	\$		\$		\$		\$	
	-		-		-		-		07.0
	Containment:	\$	-	\$	-	\$	27,245	\$	27,2
	Pump/Supplies:	\$	-	\$	-	\$	41,433	\$	41,4
8400.349 F	Pipelines:	\$	-	\$	-	\$	-	\$	
8400.315 F	Flowlines:	\$	-	\$	-	\$	-	\$	
8400.350	nstrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,9
0100.000		\$		\$		\$	100,020	\$	100,0
			-		-		-		0.445.0
	OTAL TANGIBLE COSTS >>>	\$	973,293	\$	286,475	Ş	1,155,505	\$	2,415,2
		1	Duilling	0.			<b>F</b> = -11141 = -		<b>T</b> . 4 . 1
	INTANGIBLE COSTS		Drilling		mpletion	•	Facilities	•	Total
		\$	2,784,801	\$	-	\$	-	\$	
8200.111	Survey, Stake/Permit:	<b>\$</b> \$	<b>2,784,801</b> 5,269	<b>\$</b> \$	-	<b>P</b> \$	-	<b>\$</b> \$	
8200.111	Survey, Stake/Permit: Damages/ROW:	· ·			-		-	•	5,2
8200.111 \$ 8200.113 [	Damages/ROW:	\$ \$	5,269 7,903	\$ \$	-	\$\$		\$ \$	5,2
8200.111 \$ 8200.113 [ 8200.149 ]	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	5,269 7,903 10,538	\$ \$ \$	• • •	\$ \$ \$	-	· \$\$ \$\$ \$\$	5, 7, 10,
8200.111 \$ 8200.113 [ 8200.149 [ 8200.152 ]	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$ \$	5,269 7,903 10,538 7,903	\$ \$ \$ \$	-	\$ \$ \$	- - - -	· \$\$ \$\$ \$\$ \$\$	5,2 7,9 10,9 7,9
8200.111 \$ 8200.113 [ 8200.149 [ 8200.152 ] 8200.112 [	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$ \$ \$	- - - - -	\$ \$ \$ \$		· \$\$ \$\$ \$\$ \$\$	5,5 7,9 10,4 7,9 102,1
8200.111 \$ 8200.113 [ 8200.149 [ 8200.152 ] 8200.112 [ 8200.103 ]	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - -	\$ \$ \$ \$ \$ \$	• • • • • •	· \$\$ \$\$ \$\$ \$\$ \$\$	5,; 7,; 10,; 7,; 102,; 71,;
8200.111 \$ 8200.113 [ 8200.149 [ 8200.152 ] 8200.112 [ 8200.103 ] 8200.102 [	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	• • • • • • •	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 102, 71, 700,
8200.111         \$           8200.113         []           8200.149         []           8200.152         []           8200.112         []           8200.103         []           8200.102         []           8200.102         []	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$	• • • • • • • • •	· \$\$ \$\$ \$\$ \$\$ \$\$	5,: 7,: 10,: 7,: 102,: 71,: 700,: 146,:
8200.111         \$           8200.113         []           8200.149         []           8200.152         []           8200.112         []           8200.103         []           8200.102         []           8200.102         []	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,, 7,, 10,, 7,, 102,, 71, 700,, 146,
8200.111         \$           8200.113         [           8200.149         [           8200.152         [           8200.152         [           8200.112         [           8200.103         [           8200.102         [           8200.102         [           8200.104         [           8200.104         [	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	• • • • • • • • • • • • • • • • • • •	\$\$         \$\$<	5, 7, 10, 7, 102, 71, 700, 146, 67,
8200.111         \$           8200.113         [           8200.149         [           8200.152         [           8200.152         [           8200.112         [           8200.103         [           8200.102         [           8200.102         [           8200.104         [           8200.104         [           8200.116         [           8200.128         [	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	• • • • • • • • • • • • • • • • • • • •	\$\$         \$\$<	5, 7, 10, 7, 102, 71, 700, 146, 67, 216,
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.104       1         8200.128       1         8200.128       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	• • • • • • • • • • • • • • • • • • •	· \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	5,; 7,9 10,4 7,1 102, 71, 700,3 146,5 67,5 216,4 166,1
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.116       1         8200.128       1         8200.117       1         8200.115       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$	5,; 7,9 10,, 7,1 102, 71, 700, 146,; 67,; 216, 166, 4,;
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.117       1         8200.115       1         8200.169       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	• • • • • • • • • • • • • • • • • • •	•         •	5,; 7,9 10,, 7,1 102, 71, 700, 146, 67,; 216, 166, 4,; 23,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.117       1         8200.115       1         8200.169       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$	5,; 7,9 10,, 7,1 102, 71, 700, 146, 67,; 216, 166, 4,; 23,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.117       1         8200.115       1         8200.169       1         8200.170       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		•         •	5, 7, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.117       1         8200.115       1         8200.115       1         8200.169       1         8200.170       1         8200.119       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407	\$         \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,; 7,9 10,, 7,1, 102, 71, 700, 146,; 216, 166, 4,; 23, 107, 29,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.117       1         8200.115       1         8200.115       1         8200.169       1         8200.170       1         8200.119       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988</td><td>\$         \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$         \$</td><td>5, 7, 10, 7, 102, 71, 700, 146, 67, 216, 216, 4, 23, 166, 4, 23, 107, 29, 97,</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988	\$         \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$	5, 7, 10, 7, 102, 71, 700, 146, 67, 216, 216, 4, 23, 166, 4, 23, 107, 29, 97,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.117       1         8200.115       1         8200.115       1         8200.110       1         8200.110       1         8200.110       1         8200.110       1         8200.110       1         8200.119       1         8200.158       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314	· · · · · · · · · · · · · · · · · · ·	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$	5;, 7;, 10, 102, 102, 71, 700, 146, 67, 216, 216, 4, 216, 166, 4, 23, 107, 29, 97, 183,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.117       1         8200.115       1         8200.169       1         8200.170       1         8200.119       1         8200.164       2         8200.158       1         8200.124       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704	· · · · · · · · · · · · · · · · · · ·		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		*         *	5;, 7;, 10, 102, 102, 71, 700, 146, 67, 216, 44, 216, 44, 23, 107, 29, 97, 183, 100,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.105       1         8200.116       1         8200.117       1         8200.115       1         8200.169       1         8200.170       1         8200.119       1         8200.128       1         8200.144       1         8200.158       1         8200.124       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504	· · · · · · · · · · · · · · · · · · ·		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5;, 7; 102, 102, 102, 71, 700, 146, 67, 216, 216, 4, 216, 23, 166, 4, 23, 107, 29, 97, 183, 100, 42,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.116       1         8200.117       1         8200.115       1         8200.169       1         8200.170       1         8200.119       1         8200.124       1         8200.124       1         8200.124       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704	· · · · · · · · · · · · · · · · · · ·		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		*         *	5;, 7; 102, 102, 102, 71, 700, 146, 67, 216, 216, 4, 216, 23, 166, 4, 23, 107, 29, 97, 183, 100, 42,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.116       1         8200.117       1         8200.115       1         8200.169       1         8200.119       1         8200.119       1         8200.124       1         8200.124       1         8200.124       1         8200.137       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851	· · · · · · · · · · · · · · · · · · ·		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,, 7,, 10, 7,, 102, 71, 700, 146, 67, 216, 216, 166, 4,, 23, 107, 29, 97, 183, 100, 42, 71,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.103       1         8200.104       1         8200.102       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.116       1         8200.117       1         8200.115       1         8200.169       1         8200.170       1         8200.119       1         8200.124       1         8200.124       1         8200.124       1         8200.137       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213</td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td>\$       \$</td><td></td><td>\$\$         \$\$&lt;</td><td>5,, 7, 10, 7, 102, 71, 700, 146, 67, 216, 216, 4, 216, 216, 97, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200,</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213	· · · · · · · · · · · · · · · · · · ·		\$       \$		\$\$         \$\$<	5,, 7, 10, 7, 102, 71, 700, 146, 67, 216, 216, 4, 216, 216, 97, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200,
8200.111       8         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.103       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.115       1         8200.115       1         8200.106       1         8200.106       1         8200.119       1         8200.124       1         8200.124       1         8200.137       1         8200.138       1         8200.138       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498</td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td>\$       \$</td><td></td><td>\$\$         \$\$&lt;</td><td>5;, 7;, 10, 7, 102, 102, 102, 71, 700, 146, 67, 216, 216, 216, 4, 216, 23, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 183, 100, 103, 103, 103, 103, 103, 102, 102, 102, 102, 102, 102, 102, 102</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498	· · · · · · · · · · · · · · · · · · ·		\$       \$		\$\$         \$\$<	5;, 7;, 10, 7, 102, 102, 102, 71, 700, 146, 67, 216, 216, 216, 4, 216, 23, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 183, 100, 103, 103, 103, 103, 103, 102, 102, 102, 102, 102, 102, 102, 102
8200.111       \$         8200.113       \$         8200.149       \$         8200.152       \$         8200.152       \$         8200.103       \$         8200.102       \$         8200.102       \$         8200.102       \$         8200.104       \$         8200.104       \$         8200.104       \$         8200.104       \$         8200.104       \$         8200.116       \$         8200.117       \$         8200.116       \$         8200.117       \$         8200.119       \$         8200.119       \$         8200.124       \$         8200.124       \$         8200.137       \$         8200.138       \$         8200.138       \$         8200.106       \$         8200.125       \$	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311</td><td>\$\$       <td< td=""><td>- - - - - - - - - - - - - - - - - - -</td><td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 7; 102; 710; 710; 700; 146; 67; 216; 166; 4; 23; 107; 29; 97; 183; 100; 42; 71; 200; 42; 71; 200; 45;</td></td<></td></td<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311	\$\$       \$\$ <td< td=""><td>- - - - - - - - - - - - - - - - - - -</td><td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 7; 102; 710; 710; 700; 146; 67; 216; 166; 4; 23; 107; 29; 97; 183; 100; 42; 71; 200; 42; 71; 200; 45;</td></td<></td></td<>	- - - - - - - - - - - - - - - - - - -	\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 7; 102; 710; 710; 700; 146; 67; 216; 166; 4; 23; 107; 29; 97; 183; 100; 42; 71; 200; 42; 71; 200; 45;</td></td<>		\$\$         \$\$<	5; 7; 7; 102; 710; 710; 700; 146; 67; 216; 166; 4; 23; 107; 29; 97; 183; 100; 42; 71; 200; 42; 71; 200; 45;
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.152       1         8200.103       1         8200.102       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.115       1         8200.115       1         8200.106       1         8200.107       1         8200.119       1         8200.124       1         8200.124       1         8200.137       1         8200.138       1         8200.138       1         8200.138       1         8200.125       1         8200.125       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400</td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5;, 7;, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 2,</td></td<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400	· · · · · · · · · · · · · · · · · · ·		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5;, 7;, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 2,</td></td<>		\$\$         \$\$<	5;, 7;, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 2,
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.152       1         8200.152       1         8200.152       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.116       1         8200.117       1         8200.115       1         8200.169       1         8200.164       2         8200.164       2         8200.124       1         8200.124       1         8200.137       1         8200.138       1         8200.138       1         8200.125       1         8200.125       1         8200.125       1         8200.125       1         8200.125       1         8200.125       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322	\$\$       \$\$ <td< td=""><td></td><td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5;, 7;, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 225,</td></td<></td></td<>		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5;, 7;, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 225,</td></td<>		\$\$         \$\$<	5;, 7;, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 225,
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.152       1         8200.152       1         8200.152       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.104       1         8200.104       1         8200.105       1         8200.116       1         8200.117       1         8200.116       1         8200.117       1         8200.119       1         8200.119       1         8200.124       1         8200.124       1         8200.137       1         8200.138       1         8200.138       1         8200.125       1         8200.125       1         8200.125       1         8200.125       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400</td><td>\$\$       <td< td=""><td></td><td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 7; 10; 70; 71; 700; 146; 67; 216; 166; 4; 23; 107; 29; 97; 183; 100; 42; 71; 200; 103; 42; 71; 200; 20; 20; 20; 20; 20; 20; 20; 20; 2</td></td<></td></td<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400	\$\$       \$\$ <td< td=""><td></td><td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 7; 10; 70; 71; 700; 146; 67; 216; 166; 4; 23; 107; 29; 97; 183; 100; 42; 71; 200; 103; 42; 71; 200; 20; 20; 20; 20; 20; 20; 20; 20; 2</td></td<></td></td<>		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 7; 10; 70; 71; 700; 146; 67; 216; 166; 4; 23; 107; 29; 97; 183; 100; 42; 71; 200; 103; 42; 71; 200; 20; 20; 20; 20; 20; 20; 20; 20; 2</td></td<>		\$\$         \$\$<	5; 7; 7; 10; 70; 71; 700; 146; 67; 216; 166; 4; 23; 107; 29; 97; 183; 100; 42; 71; 200; 103; 42; 71; 200; 20; 20; 20; 20; 20; 20; 20; 20; 2
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.152       1         8200.152       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.117       1         8200.115       1         8200.119       1         8200.124       1         8200.124       1         8200.124       1         8200.138       1         8200.138       1         8200.138       1         8200.125       1         8200.125       1         8200.125       1         8200.127       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322	\$\$       \$\$ <td< td=""><td></td><td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>2,784,8 5,2 7,5 10,3 102,6 71,6 700,5 146,7 216,4 166,6 4,3 23,4 107,0 29,7 97,5 183,7 100,2 97,5 183,7 100,2 29,4 20,5 103,4 20,5 20,5 22,5 22,5 27,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 22</td></td<></td></td<>		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>2,784,8 5,2 7,5 10,3 102,6 71,6 700,5 146,7 216,4 166,6 4,3 23,4 107,0 29,7 97,5 183,7 100,2 97,5 183,7 100,2 29,4 20,5 103,4 20,5 20,5 22,5 22,5 27,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 22</td></td<>		\$\$         \$\$<	2,784,8 5,2 7,5 10,3 102,6 71,6 700,5 146,7 216,4 166,6 4,3 23,4 107,0 29,7 97,5 183,7 100,2 97,5 183,7 100,2 29,4 20,5 103,4 20,5 20,5 22,5 22,5 27,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 27,5 22,5 22
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.152       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.117       1         8200.118       1         8200.119       1         8200.164       2         8200.164       2         8200.124       1         8200.138       1         8200.138       1         8200.138       2         8200.106       2         8200.125       1         8200.125       1         8200.127       2         8200.127       2         8200.168       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283	\$\$       \$\$ <td< td=""><td></td><td>\$\overline\$       \$\overline\$       \$\overline\$</td><td></td><td>\$\$         \$\$&lt;</td><td>5;, 7;, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 225, 225, 27,</td></td<>		\$\overline\$		\$\$         \$\$<	5;, 7;, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 225, 225, 27,
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.152       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.117       1         8200.119       1         8200.119       1         8200.124       1         8200.124       1         8200.138       1         8200.138       1         8200.138       1         8200.138       1         8200.125       1         8200.125       1         8200.127       1         8200.127       1         8200.136       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Dissel: Mud - Joissel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145	· · · · · · · · · · · · · · · · · · ·		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5, 7, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 225, 27, 2, 2, 2, 2,</td></td<>		\$\$         \$\$<	5, 7, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 225, 27, 2, 2, 2, 2,
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.117       1         8200.115       1         8200.119       1         8200.164       2         8200.164       2         8200.124       1         8200.124       1         8200.138       1         8200.138       1         8200.138       1         8200.125       1         8200.125       1         8200.127       1         8200.127       1         8200.136       1         8200.136       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Joisesl: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283	· · · · · · · · · · · · · · · · · · ·		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5, 7, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 225, 27, 2, 2, 2, 2,</td></td<>		\$\$         \$\$<	5, 7, 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 225, 27, 2, 2, 2, 2,
8200.111       8200.113         8200.113       1         8200.149       1         8200.152       1         8200.152       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.104       1         8200.116       1         8200.117       1         8200.115       1         8200.119       1         8200.124       1         8200.124       1         8200.124       1         8200.124       1         8200.138       1         8200.138       1         8200.125       1         8200.125       1         8200.125       1         8200.127       1         8200.127       1         8200.136       1         8200.136       1         8200.134       1	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Joisesl: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Dispond: Disposal: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Disposal: Company Supervision: Company Supervision: Consulting Services: Mudlogging: Caso-Steering: Disposal: Company Supervision: Company Supervis	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145	· · · · · · · · · · · · · · · · · · ·		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 2, 225, 27, 2, 2,</td></td<>		\$\$         \$\$<	5; 7; 10, 7, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 2, 225, 27, 2, 2,
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8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.152       1         8200.103       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.116       1         8200.128       1         8200.117       1         8200.118       1         8200.164       1         8200.170       1         8200.124       1         8200.124       1         8200.138       1         8200.138       1         8200.138       1         8200.138       1         8200.138       1         8200.136       1         8200.136       1         8200.136       1         8200.136       1         8200.134       1 <td>Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits &amp; BHA: Directional: Mud &amp; Chemicals: Mud - Drill Water: Mud &amp; Chemicals: Mud - Dissel: Mud - Dissel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring &amp; Analysis: Safety &amp; Environmental:</td> <td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td> <td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 10; 7, 102, 71, 700, 146; 67, 216, 166, 4; 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 42, 71, 200, 103, 45, 2, 225, 27, 2, 7,</td></td<></td>	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud & Chemicals: Mud - Dissel: Mud - Dissel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis: Safety & Environmental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145	· · · · · · · · · · · · · · · · · · ·		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 10; 7, 102, 71, 700, 146; 67, 216, 166, 4; 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 42, 71, 200, 103, 45, 2, 225, 27, 2, 7,</td></td<>		\$\$         \$\$<	5; 7; 10; 7, 102, 71, 700, 146; 67, 216, 166, 4; 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 42, 71, 200, 103, 45, 2, 225, 27, 2, 7,
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.152       1         8200.103       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.116       1         8200.128       1         8200.119       1         8200.169       1         8200.164       2         8200.170       1         8200.124       1         8200.124       1         8200.138       2         8200.138       2         8200.138       2         8200.138       2         8200.138       1         8200.127       1         8200.136       1         8200.136       1         8200.136       1         8200.134       2 <td>Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits &amp; BHA: Directional: Mud &amp; Chemicals: Mud &amp; Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Joisesl: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring &amp; Analysis:</td> <td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td> <td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 102, 102, 71, 700, 146, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 711, 200, 103, 45, 2, 225, 27, 2, 2,</td></td<></td>	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Joisesl: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531	· · · · · · · · · · · · · · · · · · ·		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 102, 102, 71, 700, 146, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 711, 200, 103, 45, 2, 225, 27, 2, 2,</td></td<>		\$\$         \$\$<	5; 7; 102, 102, 71, 700, 146, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 711, 200, 103, 45, 2, 225, 27, 2, 2,
8200.111       8200.113         8200.149       1         8200.152       1         8200.152       1         8200.152       1         8200.103       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.102       1         8200.104       1         8200.104       1         8200.116       1         8200.128       1         8200.117       1         8200.128       1         8200.117       1         8200.118       1         8200.119       1         8200.124       1         8200.138       1         8200.138       1         8200.138       1         8200.138       1         8200.144       1         8200.125       1         8200.126       1         8200.127       1         8200.127       1         8200.136       1         8200.134       1         8200.134       1         8200.135       1 <td>Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits &amp; BHA: Directional: Mud &amp; Chemicals: Mud &amp; Chemicals: Mud - Drill Water: Mud &amp; Chemicals: Mud - Dissel: Mud - Dissel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring &amp; Analysis: Safety &amp; Environmental: Drilling Overhead:</td> <td>\$         \$</td> <td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531 - 7,531</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>\$\$       <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 102, 102, 102, 71, 700, 146, 67, 216, 4, 23, 166, 4, 23, 107, 29, 97, 183, 100, 103, 42, 71, 200, 200, 200, 225, 27, 2, 7, 5, 225, 27, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,</td></td<></td>	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud & Chemicals: Mud - Dissel: Mud - Dissel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis: Safety & Environmental: Drilling Overhead:	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531 - 7,531	· · · · · · · · · · · · · · · · · · ·		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 102, 102, 102, 71, 700, 146, 67, 216, 4, 23, 166, 4, 23, 107, 29, 97, 183, 100, 103, 42, 71, 200, 200, 200, 225, 27, 2, 7, 5, 225, 27, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,</td></td<>		\$\$         \$\$<	5; 7; 102, 102, 102, 71, 700, 146, 67, 216, 4, 23, 166, 4, 23, 107, 29, 97, 183, 100, 103, 42, 71, 200, 200, 200, 225, 27, 2, 7, 5, 225, 27, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
8200.113       [         8200.149       [         8200.152       [         8200.152       [         8200.103       [         8200.103       [         8200.102       [         8200.102       [         8200.102       [         8200.104       [         8200.104       [         8200.104       [         8200.105       [         8200.117       [         8200.115       [         8200.115       [         8200.169       [         8200.169       [         8200.164       [         8200.164       [         8200.124       [         8200.138       [         8200.138       [         8200.138       [         8200.138       [         8200.138       [         8200.144       [         8200.125       [         8200.144       [         8200.127       [         8200.136       [         8200.143       [         8200.135       [         8200.135       [	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud & Chemicals: Mud - Dissel: Mud - Dissel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis: Safety & Environmental:	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531 - 7,531	· · · · · · · · · · · · · · · · · · ·		\$\$       \$\$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5; 7; 10, 102, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 2, 225, 27, 2, 7, 5, 2, 7, 5, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,</td></td<>		\$\$         \$\$<	5; 7; 10, 102, 102, 71, 700, 146, 67, 216, 166, 4, 23, 107, 29, 97, 183, 100, 42, 71, 200, 103, 45, 2, 225, 27, 2, 7, 5, 2, 7, 5, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,

## AFE # NM0223 - Gravling 11 Fed Com #502H

8300.216 Cased H 8300.243 Analysis 8300.270 Stimulati 8300.275 Proppan 8300.207 Water: 8300.274 Water Tu 8300.266 Chemica 8300.209 Pump Do	ion:	\$ \$ \$ \$	-	\$ \$	<b>5,565,310</b> 5,294	<b>\$</b> \$	-	\$ 5,565,310
8300.216 Cased H 8300.243 Analysis 8300.270 Stimulati 8300.275 Proppan 8300.207 Water: 8300.274 Water Tu 8300.266 Chemica 8300.209 Pump Du 8300.214 Wireline	lole Logs & Surveys ion:	\$ \$	-	•	5,294	n fr		
8300.243         Analysis           8300.270         Stimulati           8300.275         Proppan           8300.207         Water:           8300.207         Water:           8300.274         Water:           8300.266         Chemica           8300.209         Pump Do           8300.214         Wireline	ion:	\$	-		,		-	\$ 5,294
8300.270         Stimulati           8300.275         Proppan           8300.207         Water:           8300.207         Water:           8300.274         Water:           8300.266         Chemica           8300.209         Pump Do           8300.214         Wireline	ion:			\$	-	\$	-	\$ -
8300.275 Proppan 8300.207 Water: 8300.274 Water Tr 8300.266 Chemica 8300.209 Pump Dr 8300.214 Wireline		\$	-	\$	12,645	\$	-	\$ 12,645
8300.207 Water: 8300.274 Water Tu 8300.266 Chemica 8300.209 Pump Du 8300.214 Wireline	t:		-	\$	1,406,608	\$	-	\$ 1,406,608
8300.274 Water Tr 8300.266 Chemica 8300.209 Pump Do 8300.214 Wireline		\$	-	\$	932,358	\$	-	\$ 932,358
8300.266 Chemica 8300.209 Pump Do 8300.214 Wireline		\$	-	\$	540,768	\$	-	\$ 540,768
8300.209 Pump Do 8300.214 Wireline		\$	-	\$	82,673	\$	-	\$ 82,673
8300.214 Wireline		\$	-	\$	443,277	\$	-	\$ 443,277
	own Services:	\$	-	\$	110,117	\$	-	\$ 110,117
8300 203 Fuel Po	/Perforating:	\$	-	\$	399,556	\$	-	\$ 399,556
0000.200 ;		\$	-	\$	700,280	\$	-	\$ 700,280
8300.210 Rental E	quipment (Surface):	\$	-	\$	371,475	\$	-	\$ 371,475
8300.277 Mancam	ip:	\$	-	\$	18,815	\$	-	\$ 18,815
	quipment (Downhole):	\$	-	\$	43,431	\$	-	\$ 43,431
8300.232 Disposal	:	\$	-	\$	28,704	\$	-	\$ 28,704
8300.276 Safety &	Environmental:	\$	-	\$	6,876	\$	-	\$ 6,876
8300.277 Consulti	ng Services:	\$	-	\$	200,739	\$	_	\$ 200,739
8300.212 Contract	Labor:	\$	-	\$	30,506	\$	_	\$ 30,506
8300.278 Roustab	out Services:	\$	-	\$	1,581	\$	_	\$ 1,581
8300.220 Compan	y Supervision:	\$	-	\$	5,058	\$		\$ 5,058
8300.230 Complet	ions Rig:	\$	-	\$	39,516	\$		\$ 39,516
8300.271 Coil Tub	ing Unit	\$	-	\$	111,243	\$	_	\$ 111,243
8300.273 Flowbac	k:	\$	-	\$	59,201	\$	_	\$ 59,201
8300.229 Transpo	rtation:	\$	-	\$	14,592	\$	_	\$ 14,592
8300.225 Continge	ency:	\$	-	\$	-	\$	_	\$ -
Intangible Facilities		\$	-	\$	-	\$	353,282	\$ 353,282
	rk/Permit Fees:	\$	-	\$	-	\$		\$ -
8350.402 Damage	s/ROW:	\$	-	\$	-	\$	_	\$ -
8350.403 Location		\$	-	\$	-	\$	708	\$ 708
	/Flowline Labor:	\$	-	\$	-	\$	_	\$ -
	ion/Electrical Labor:	\$	_	\$	-	\$	_	\$ 
	ring/Technical Labor:	\$	-	\$	-	\$	80.500	\$ 80,500
	chanical Labor:	\$	-	\$	_	\$	163,933	\$ 163,933
	sioning Labor:	\$	_	\$	-	\$	-	\$ 
8350.410 Transpo		\$	_	\$		\$	22,154	\$ 22,154
	ent Rentals:	\$	-	\$	-	\$	14,141	\$ 14,141
	Environmental:	\$	-	\$	-	\$		\$ 
8350.413 Continge		\$	_	\$	_	\$	71,847	\$ 71,847
, i i i i i i i i i i i i i i i i i i i	ITANGIBLE COSTS >>>	\$	2,784,801	Ŧ	5,565,310	\$	353,282	\$ 8,703,394

TOTAL D&C&F COSTS >>>	\$ 3,758,094	\$ 5,851,785	\$ 1,508,788	\$ 11,118,667
TOTAL D&C&F COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date: \_\_\_\_\_



AFE:	NM0224	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #503H	Projected MD	D/TVD:	19823 / 9500
Target:	Bone Springs	Spud	to TD:	13.1 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	S	Stages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	t (ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 2178 FEL	Total Fluid (	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #503H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 19823' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,758,094
COMPLETIONS:	\$5,851,785
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,118,667

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0224 - Grayling 11 Fed Com #503H

	TANGIBLE COSTS	<u> </u>	Drilling		ompletion		Facilities		Total
angible Drilling		\$	973,293	\$	-	\$	-	\$	973,29
8400.301	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,87
8400.302	Intermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,68
8400.302	Intermediate2 Casing:	\$	-	\$	-	\$	-	\$	
8400.303	Production Casing:	\$	606,839	\$	-	\$	-	\$	606,83
8400.340	Wellhead Equipment:	\$	56,903	\$	_	\$	-	\$	56,90
0100.010		\$		\$		\$		\$	00,00
angible Completion		\$		\$	286,475	پ \$	-	\$	286,47
			-				-		
8400.308	Tubing:	\$	-	\$	137,538	\$	-	\$	137,53
8400.340	Wellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,84
8400.312	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,09
		\$	-	\$	-	\$	-	\$	
angible Facility		\$	-	\$	-	\$	1,155,505	\$	1,155,50
8400.341	Vessels:	\$	-	\$	-	\$	220,123	\$	220,12
8400.342	Tanks:	\$	-	\$	-	\$	101,017	\$	101,0
8400.343	Flare:	\$		\$		\$	28,281	\$	28,28
8400.344	Compressors:		-						
		\$	-	\$	-	\$	19,708	\$	19,70
8400.316	Pipe/Valves/Fittings:	\$	-	\$	-	\$	166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$	-	\$	-	\$	51,285	\$	51,2
8400.345	LACT Unit:	\$	-	\$	-	\$	-	\$	
8400.346	Electrical Facility:	\$	-	\$	-	\$	-	\$	
8400.347	Containment:	\$	-	\$	-	\$	27,245	\$	27,2
8400.348	Pump/Supplies:	\$	-	\$		\$	41,433	\$	41,4
8400.349	Pipelines:	\$		\$		\$	-	\$	,.
8400.315	Flowlines:		-						
		\$	-	\$	-	\$	-	\$	400.0
8400.350	Instrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,9
		\$	-	\$	-	\$	-	\$	
7	OTAL TANGIBLE COSTS >>>	\$	973,293	\$	286,475	\$	1,155,505	\$	2,415,27
	INTANGIBLE COSTS		Drilling		ompletion		Facilities		Total
tangible Drilling		\$	2,784,801	\$	-	\$	-	\$	2,784,80
		Ψ	2,704,001	- T	-		-	- <b>-</b>	_,
8200.111	Survey, Stake/Permit:	φ \$		\$	-	\$	-	\$	
8200.111	-	\$	5,269	\$	-	\$	-	\$	5,2
8200.111 8200.113	Damages/ROW:	\$ \$	5,269 7,903	\$ \$	-	\$	-	\$ \$	5,2 7,9
8200.111 8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	5,269 7,903 10,538	\$ \$ \$	-	\$\$\$		\$ \$ \$	5,2 7,9 10,5
8200.111 8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$	5,269 7,903 10,538 7,903	\$ \$ \$ \$		\$	-	\$ \$ \$	5,2 7,9 10,5 7,9
8200.111 8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583	\$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$       \$\$     \$\$     \$\$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - - - - - - - - - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4</td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988</td><td>\$\$       <td< td=""><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - - - - - - - - - - - - - -</td><td>S       S    <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<></td></td<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988	\$\$       \$\$ <td< td=""><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - - - - - - - - - - - - - -</td><td>S       S    <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<></td></td<>	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	S       S <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<>	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407</td><td>\$\$       <td< td=""><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3</td></td<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407	\$\$       \$\$ <td< td=""><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3</td></td<>	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3
8200.111 8200.113 8200.149 8200.152 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - -</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>S       S    <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S       S <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<>	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9
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8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.104 8200.128 8200.128 8200.115 8200.115 8200.169 8200.164 8200.164 8200.158 8200.124 8200.138 8200.138 8200.138 8200.125 8200.144 8200.127 8200.136 8200.134 8200.135 8200.135 8200.135	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Joisesl:Mud - Joisesl:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:Safety & Environmental:	\$         \$ <td< td=""><td>5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531 - 2,232</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - -</td><td>\$\mathbf{S}\$       \$\mathbf{S}\$       <td< td=""><td></td><td>\$       \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1</td></td<></td></td<>	5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531 - 2,232	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$\mathbf{S}\$       \$\mathbf{S}\$ <td< td=""><td></td><td>\$       \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1</td></td<>		\$       \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1

## AFE # NM0224 - Gravling 11 Fed Com #503H

Intangible Completion	on	\$ -	\$ 5,565,310	\$ -	\$ 5,565,310
8300.205	Location & Roads:	\$ -	\$ 5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$ -	\$ -	\$ -	\$ -
8300.243	Analysis	\$ -	\$ 12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$ -	\$ 1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$ -	\$ 932,358	\$ -	\$ 932,358
8300.207	Water:	\$ -	\$ 540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$ -	\$ 82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$ -	\$ 443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$ -	\$ 110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$ -	\$ 399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$ -	\$ 700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$ -	\$ 371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$ -	\$ 18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$ -	\$ 43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$ -	\$ 28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$ -	\$ 6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$ -	\$ 200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$ -	\$ 30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$ -	\$ 1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$ -	\$ 5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$ -	\$ 39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$ -	\$ 111,243	\$ -	\$ 111,243
8300.273	Flowback:	\$ -	\$ 59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$ -	\$ 14,592	\$ -	\$ 14,592
8300.225	Contingency:	\$ -	\$ -	\$ -	\$ -
Intangible Facilities		\$ -	\$ -	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$ -	\$ -	\$ -	\$ 
8350.402	Damages/ROW:	\$ -	\$ -	\$ -	\$ -
8350.403	Location, Roads:	\$ -	\$ -	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$ -	\$ -	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$ -	\$ -	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$ -	\$ -	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$ -	\$ -	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$ -	\$ -	\$ -	\$ -
8350.410	Transportation:	\$ -	\$ -	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$ -	\$ -	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$ -	\$ -	\$ -	\$ -
8350.413	Contingency:	\$ -	\$ -	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$ 2,784,801	5,565,310	\$ 353,282	\$ 8,703,394

TOTAL D&C&F COSTS >>>	\$ 3,758,094	\$ 5,851,785	\$ 1,508,788	\$ 11,118,667
	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:



AFE: NM0225	Date: June 28,	, 2023
Well Name: Grayling 11 Fed Com #504H	Projected MD/TVD: 1	19823 / 9500
Target: Bone Springs	Spud to TD: 1	L3.1 days
County: Lea	Lateral Length: 1	L0,000
State: NM	Stages: 6	54
SHL: Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant (ppf): 2	2,500
BHL: Sec: 14, T-19S, R-32E; FSL, 2178 FWL	Total Fluid (gal/ft): 3	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #504H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 19823' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,758,094
COMPLETIONS:	\$5,851,785
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,118,667

#### **OPERATOR APPROVAL:**

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

#### Released to Imaging: 6/3/2024 4:04:42 PM

# AFE # NM0225 - Grayling 11 Fed Com #504H

angible Drilling 8400.301	TANGIBLE COSTS		Drilling	Completion	Facilities		Total
		\$	973,293	\$-	\$.	- \$	973,29
	Surface Casing:	\$	64,871	\$-	\$	- \$	64,8
8400.302	Intermediate1 Casing:	\$	244,681	\$-	\$	- \$	244,6
8400.302	Intermediate2 Casing:	\$	-	\$ -	\$	- \$	
8400.303	Production Casing:	\$	606,839	\$ -	\$	- \$	606,8
8400.340	Wellhead Equipment:	\$	56,903	\$ -	\$	- \$	56,9
0400.040		\$	50,505	\$ -	\$	- \$	50,5
naible Completies			-	<u> </u>			2000 47
angible Completion		\$	-	\$ 286,475	\$	• \$	286,47
8400.308	Tubing:	\$	-	\$ 137,538	\$	- \$	137,5
8400.340	Wellhead Equip:	\$	-	\$ 107,841	\$	- \$	107,8
8400.312	Artificial Lift: Gas Lift	\$	-	\$ 41,096	\$	- \$	41,0
		\$	-	\$-	\$	- \$	
angible Facility		\$	-	\$-	\$ 1,155,505	5 \$	1,155,5
8400.341	Vessels:	\$		\$-	\$ 220,123		220,1
8400.342	Tanks:	\$		\$-	\$ 101,017		101,0
			-				
8400.343	Flare:	\$	-	\$-	\$ 28,281		28,2
8400.344	Compressors:	\$	-	\$-	\$ 19,708		19,7
8400.316	Pipe/Valves/Fittings:	\$	-	\$-	\$ 166,483		166,4
8400.328	Instrumentation/Meters:	\$	-	\$-	\$ 51,285	5 \$	51,2
8400.345	LACT Unit:	\$	-	\$-	\$	- \$	
8400.346	Electrical Facility:	\$	-	\$ -	\$	- \$	
8400.347	Containment:	\$		\$ -	\$ 27,245		27,2
8400.348	Pump/Supplies:		-		. ,		41,4
		\$	-	\$ -			41,4
8400.349	Pipelines:	\$	-	\$ -	\$	- \$	
8400.315	Flowlines:	\$	-	\$-	\$	- \$	
8400.350	Instrument/Electrical Panel:	\$	-	\$-	\$ 499,929	) \$	499,9
		\$	-	\$-	\$	- \$	
	OTAL TANGIBLE COSTS >>>	\$	973,293	\$ 286,475	\$ 1,155,505	; \$	2,415,2
		· · · · · · · · · · · · · · · · · · ·	0,0,200	<i> </i>	• .,,	<b>•</b>	_,,_
	INTANGIBLE COSTS		Drilling	Completion	Facilities		Total
tangible Drilling		\$	2,784,801	\$ -	\$.	. \$	2,784,8
8200.111	Survey, Stake/Permit:	\$	5,269	\$ -	\$	- \$	5,2
8200.113	Damages/ROW:			\$ -	\$		7,9
		\$	7,903			- \$	
8200.149	Legal, Title, Etc.	\$	10,538	\$ -	\$	- \$	10,5
8200.152	Well Control Insurance:	\$	7,903	\$-	\$	- \$	7,9
8200.112	Location:	\$	102,606	\$-	\$	- \$	102,6
8200.103	Rig Move:	\$	71,655	\$-	\$	- \$	71,6
8200.102	Drilling Daywork:	\$	700,583	\$ -	\$	- \$	700,5
8200.104	Fuel/Power:	\$	146,389	\$ -	\$	- \$	146,3
8200.116	Bits & BHA:			,		- Ψ	67,3
8200.118		\$		¢			07,3
8.700.1.78			67,314		\$	- \$	040
	Directional:	\$	216,434	\$-	\$	- \$	
8200.117	Mud & Chemicals:		216,434 166,629	\$ - \$ -	\$ \$		166,6
		\$	216,434	\$ - \$ -	\$	- \$	166,6
8200.117	Mud & Chemicals:	\$ \$	216,434 166,629	\$ - \$ -	\$ \$	- \$ - \$	166,6 4,8
8200.117 8200.115 8200.169	Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$	216,434 166,629 4,896 23,458	\$ - \$ - \$ - \$ -	\$ \$ \$ \$	- \$ - \$ - \$	166,6 4,8 23,4
8200.117 8200.115 8200.169 8200.170	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021	\$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$	- \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0
8200.117 8200.115 8200.169 8200.170 8200.119	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,2 107,0 29,2 97,9 183,3
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,2 107,0 29,2 97,9 183,3 100,7
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,5 183,5 100,7 42,5 71,8
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,5 183,3 100,7 42,5 71,8 200,2
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 97,9 183,5 100,7 100,7 42,5 71,8 200,2 103,4
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125 8200.144	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,5 183,5 100,7 103,4 200,2 103,4 42,5 200,2 200,2 20,2 22,5 27,2
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,6 200,2 103,4 45,5 2,4 225,3 27,2 2,7
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.146 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,6 200,2 103,4 45,5 2,4 225,3 27,2 2,7
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136 8200.134	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145	\$       -         \$       -	\$       \$ <t< td=""><td>- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$</td><td>166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1</td></t<>	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.124 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136 8200.134 8200.135	Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1 7,5
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.124 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136 8200.134 8200.135 8200.165	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis: Safety & Environmental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531 - - 2,232	\$       -         \$       -	\$       \$ <t< td=""><td>- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$</td><td>166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1 7,5</td></t<>	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1 7,5
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.124 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136 8200.134 8200.135	Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1 7,5
8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.124 8200.137 8200.138 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127 8200.168 8200.136 8200.134 8200.135 8200.155	Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis: Safety & Environmental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531 - - 2,232	\$       -         \$       -	\$       \$ <t< td=""><td>- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$</td><td>216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1 7,5 7,5</td></t<>	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 27,2 2,1 7,5 7,5

## AFE # NM0225 - Gravling 11 Fed Com #504H

	·	<u> </u>					
Intangible Completion	on	\$	-	\$	5,565,310	\$ -	\$ 5,565,310
8300.205	Location & Roads:	\$	-	\$	5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$	-	\$	-	\$ -	\$ -
8300.243	Analysis	\$	-	\$	12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$	-	\$	1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$	-	\$	932,358	\$ -	\$ 932,358
8300.207	Water:	\$	-	\$	540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$	-	\$	82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$	-	\$	443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$	-	\$	110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$	-	\$	399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$	-	\$	700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$	-	\$	371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$	-	\$	18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$	-	\$	43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$	-	\$	28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$	-	\$	6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$	-	\$	200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$	-	\$	30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$	-	\$	1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$	-	\$	5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$	-	\$	39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$	-	\$	111,243	\$ -	\$ 111,243
8300.273	Flowback:	\$	-	\$	59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$	-	\$	14,592	\$ -	\$ 14,592
8300.225	Contingency:	\$	-	\$	-	\$ -	\$ -
Intangible Facilities	, <u> </u>	\$	-	\$	-	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$	-	\$	-	\$ -	\$ -
8350.402	Damages/ROW:	\$	-	\$	-	\$ -	\$ -
8350.403	Location, Roads:	\$	-	\$	-	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$	-	\$	-	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$	-	\$	-	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$	-	\$	-	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$	-	\$	-	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$	-	\$	-	\$ -	\$ -
8350.410	Transportation:	\$	-	\$	-	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$	-	\$	-	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$	-	\$	-	\$ -	\$ -
8350.413	Contingency:	\$	-	\$	-	\$ 71,847	\$ 71,847
	TAL INTANGIBLE COSTS >>>	\$	2,784,801	•	5,565,310	\$ 353,282	\$ 8,703,394

TOTAL D&C&F COSTS >>>	\$ 3,758,094	\$ 5,851,785	\$ 1,508,788	\$ 11,118,667
TOTAL D&C&F COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date: \_\_\_\_\_



AFE:	NM0226	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #505H	Projected MD	)/TVD:	19823 / 9500
Target:	Bone Springs	Spud	to TD:	13.1 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	S	stages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	: (ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 1254 FWL	Total Fluid (	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #505H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 19823' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,758,094
COMPLETIONS:	\$5,851,785
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,118,667

Signature:		Date:	
Name:	Jacob Nagy	Title:	Co-C.E.O.
Signature:		Date:	
Name:	Skyler Gary	Title:	Co-C.E.O.
Signature:		Date:	
Name:	Pete Williams	Title:	C.F.O.
Signature:		Date:	
Name:	Braden Harris	Title:	S.V.P. Operations

# AFE # NM0226 - Grayling 11 Fed Com #505H

	TANGIBLE COSTS		Drilling	C	ompletion		Facilities		Total
angible Drilling		\$	973,293	\$	-	\$	-	\$	973,29
8400.301	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,87
8400.302	Intermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,68
8400.302	Intermediate2 Casing:	\$	-	\$	-	\$	-	\$	
8400.303	Production Casing:	\$	606,839	\$	-	\$	-	\$	606,83
8400.340	Wellhead Equipment:	\$	56,903	\$		\$		\$	56,9
0400.040		\$	50,505	\$		φ \$		\$	50,5
			-	· ·	-		-		000.47
angible Completion		\$	-	\$	286,475	\$	-	\$	286,47
8400.308	Tubing:	\$	-	\$	137,538	\$	-	\$	137,5
8400.340	Wellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,8
8400.312	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,0
		\$	-	\$	-	\$	-	\$	
ngible Facility	•	\$	-	\$	-	\$	1,155,505	\$	1,155,50
8400.341	Vessels:	\$	-	\$	-	\$	220,123	\$	220,1
8400.342	Tanks:	\$	_	\$		\$	101,017	\$	101,0
8400.343	Flare:	\$		\$		≎ \$	28,281	φ \$	28,2
			-		-				
8400.344	Compressors:	\$	-	\$	-	\$	19,708	\$	19,7
8400.316	Pipe/Valves/Fittings:	\$	-	\$	-	\$	166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$	-	\$	-	\$	51,285	\$	51,2
8400.345	LACT Unit:	\$	-	\$	-	\$	-	\$	
8400.346	Electrical Facility:	\$	-	\$	-	\$	-	\$	
8400.347	Containment:	\$	-	\$	-	\$	27,245	\$	27,2
8400.348	Pump/Supplies:	\$		\$		\$	41,433	\$	41,4
8400.349	Pipelines:	\$		\$		φ \$	41,400	\$	41,4
	Flowlines:		-	· ·	-		-		
8400.315		\$	-	\$	-	\$	-	\$	
8400.350	Instrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,9
		\$	-	\$	-	\$	-	\$	
7	OTAL TANGIBLE COSTS >>>	> \$	973,293	\$	286,475	\$	1,155,505	\$	2,415,27
	INTANGIBLE COSTS		Drilling	C	ompletion		Facilities		Total
			Biining						
angible Drilling		\$	-	\$	-	\$	-	\$	2,784,8
	Survey, Stake/Permit:		2,784,801	\$		\$ \$	-		
8200.111	Survey, Stake/Permit: Damages/ROW:	\$	<b>2,784,801</b> 5,269	<b>\$</b> \$	- - -	\$	-	\$	5,2
8200.111 8200.113	Damages/ROW:	\$	<b>2,784,801</b> 5,269 7,903	\$ \$ \$	-	\$	-	\$ \$	5,2 7,9
8200.111 8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538	\$ \$ \$	-	\$\$\$	-	\$ \$ \$	5,2 7,9 10,5
8200.111 8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903	\$ \$ \$ \$	- - - - - -	\$		\$ \$ \$	5,2 7,9 10,5 7,9
8200.111 8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$ \$		\$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - -	\$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6
8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$ \$		\$ \$ \$ \$	- - - - - - - - - - -	\$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$\$       \$\$ <td< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4</td></td<>	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8</td></td<>	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$       \$\$ <td< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0</td></td<>	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7102,6 7106,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$       \$         <		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 700,5 71,6 700,5 146,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3
8200.111 8200.113 8200.149 8200.152 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$       \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$       \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Pine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$       \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 700,5 102,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.170 8200.164 8200.158 8200.124 8200.137 8200.138	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$       \$	· · · · · · · · · · · · · · · · · · ·	\$       \$	5,2 7,9 10,5 7,9 102,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Pine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$       \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.170 8200.164 8200.158 8200.124 8200.137 8200.138	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$       \$		\$       \$	5,2 7,9 10,5 7,9 102,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 103,3 100,7 42,5 71,8 200,2 103,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		\$\$       \$\$ <td< td=""><td></td><td>\$       \$</td><td>5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 20,2 103,4 45,3</td></td<>		\$       \$	5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 29,4 107,0 20,2 103,4 45,3
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8200.111         8200.13         8200.152         8200.152         8200.103         8200.102         8200.102         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.104         8200.115         8200.117         8200.119         8200.164         8200.164         8200.124         8200.124         8200.138         8200.125         8200.138         8200.106         8200.125         8200.127         8200.127         8200.136         8200.136         8200.136         8200.134         8200.135         8200.135         8200.135	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis: Safety & Environmental: Drilling Overhead:	\$         \$ <td< td=""><td>2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531</td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\mathbf{S}\$       \$\mathbf{S}\$       <td< td=""><td></td><td>\$\$       <td< td=""><td>2,784,84 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 27,2 2,1 7,5 7,5 7,5</td></td<></td></td<></td></td<>	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\mathbf{S}\$       \$\mathbf{S}\$ <td< td=""><td></td><td>\$\$       <td< td=""><td>2,784,84 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 27,2 2,1 7,5 7,5 7,5</td></td<></td></td<>		\$\$       \$\$ <td< td=""><td>2,784,84 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 27,2 2,1 7,5 7,5 7,5</td></td<>	2,784,84 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 27,2 2,1 7,5 7,5 7,5
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## AFE # NM0226 - Gravling 11 Fed Com #505H

		· -				
Intangible Completic	n	\$	-	\$ 5,565,310	\$ -	\$ 5,565,310
8300.205	Location & Roads:	\$	-	\$ 5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$	-	\$ -	\$ -	\$ -
8300.243	Analysis	\$	-	\$ 12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$	-	\$ 1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$	-	\$ 932,358	\$ -	\$ 932,358
8300.207	Water:	\$	-	\$ 540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$	-	\$ 82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$	-	\$ 443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$	-	\$ 110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$	-	\$ 399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$	-	\$ 700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$	-	\$ 371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$	-	\$ 18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$	-	\$ 43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$	-	\$ 28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$	-	\$ 6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$	-	\$ 200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$	-	\$ 30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$	-	\$ 1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$	-	\$ 5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$	-	\$ 39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$	-	\$ 111,243	\$ -	\$ 111,243
8300.273	Flowback:	\$	-	\$ 59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$	-	\$ 14,592	\$ -	\$ 14,592
8300.225	Contingency:	\$	-	\$ -	\$ -	\$ -
Intangible Facilities	•	\$	-	\$ -	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$	-	\$ -	\$ -	\$ -
8350.402	Damages/ROW:	\$	-	\$ -	\$ -	\$ -
8350.403	Location, Roads:	\$	-	\$ -	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$	-	\$ -	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$	-	\$ -	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$	-	\$ -	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$	-	\$ -	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$	-	\$ -	\$ -	\$ -
8350.410	Transportation:	\$	-	\$ -	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$	-	\$ -	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$	-	\$ -	\$ -	\$ -
8350.413	Contingency:	\$	-	\$ -	\$ 71,847	\$ 71,847
	TAL INTANGIBLE COSTS >>>	\$	2,784,801	\$ 5,565,310	\$ 353,282	\$ 8,703,394

TOTAL D&C&F COSTS >>>	\$ 3,758,094	\$ 5,851,785	\$ 1,508,788	\$ 11,118,667
TOTAL D&C&F COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date: \_\_\_\_\_



AFE:	NM0227	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #506H	Projected MD	)/TVD:	19823 / 9500
Target:	Bone Springs	Spud	to TD:	13.1 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	S	stages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	: (ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 330 FWL	Total Fluid (	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #506H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 19823' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,758,094
COMPLETIONS:	\$5,851,785
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,118,667

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

# AFE # NM0227 - Grayling 11 Fed Com #506H

	TANGIBLE COSTS		Drilling	Completion	Facilities		Total
angible Drilling		\$	973,293	\$-	\$-	\$	973,29
8400.301	Surface Casing:	\$	64,871	\$-	\$-	\$	64,87
8400.302	Intermediate1 Casing:	\$	244,681	\$-	\$-	\$	244,68
8400.302	Intermediate2 Casing:	\$	-	\$-	\$ -	\$	
8400.303	Production Casing:	\$	606,839	\$ -	\$ -	\$	606,83
8400.340	Wellhead Equipment:	\$	56,903	\$ -	\$ -	\$	56,90
	······································	\$	-	\$-	\$ -	\$	00,00
ngible Completior		\$		\$ 286,475	\$ - \$	\$	286,47
			-		•		
8400.308	Tubing:	\$	-	\$ 137,538		\$	137,53
8400.340	Wellhead Equip:	\$	-	\$ 107,841	\$ -	\$	107,84
8400.312	Artificial Lift: Gas Lift	\$	-	\$ 41,096		\$	41,09
		\$	-	\$-	\$-	\$	
angible Facility		\$	-	\$-	\$ 1,155,505	\$	1,155,50
8400.341	Vessels:	\$	-	\$-	\$ 220,123	\$	220,12
8400.342	Tanks:	\$	-	\$ -	\$ 101,017	\$	101,0
8400.343	Flare:	\$	_	\$-	\$ 28,281	\$	28,28
8400.344	Compressors:			\$ -	\$ 19,708	· ·	19,70
	•	\$	-			-	
8400.316	Pipe/Valves/Fittings:	\$	-	\$ -	\$ 166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$	-	\$ -	\$ 51,285	\$	51,2
8400.345	LACT Unit:	\$	-	\$-	\$-	\$	
8400.346	Electrical Facility:	\$	-	\$-	\$-	\$	
8400.347	Containment:	\$	-	\$-	\$ 27,245	\$	27,2
8400.348	Pump/Supplies:	\$	-	\$ -	\$ 41,433	\$	41,4
8400.349	Pipelines:	\$	-	\$ -	\$ -	\$	,
8400.315	Flowlines:	\$	_	\$-	\$ -	\$	
8400.350	Instrument/Electrical Panel:	\$		\$ -	\$ 499,929	\$	499,9
6400.330			-	*		· ·	499,9
		\$	-	\$ -	\$ -	\$	
1	OTAL TANGIBLE COSTS >>>	\$	973,293	\$ 286,475	\$ 1,155,505	\$	2,415,27
						-	
	INTANGIBLE COSTS		Drilling	Completion	Facilities		Total
			-				
tangible Drilling		\$	2,784,801	\$ -	\$ -	\$	2,784,8
tangible Drilling 8200.111	Survey, Stake/Permit:	\$ \$	-			<b>\$</b> \$	2,784,8
			2,784,801	\$-	\$-		
8200.111 8200.113	Survey, Stake/Permit: Damages/ROW:	\$	<b>2,784,801</b> 5,269 7,903	<b>\$</b> - \$- \$-	<b>\$</b> - \$- \$-	\$ \$	<b>2,784,8</b> 5,2 7,9
8200.111 8200.113 8200.149	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc.	\$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538	<b>\$</b> - \$- \$- \$-	<b>\$</b> - \$ - \$ - \$ -	\$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5
8200.111 8200.113 8200.149 8200.152	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903	\$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -	\$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9
8200.111 8200.113 8200.149 8200.152 8200.112	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -           \$         -	\$ \$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6
8200.113 8200.149 8200.152 8200.112 8200.103	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$ \$ \$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5
8200.111 8200.113 8200.149 8200.152 8200.152 8200.103 8200.102 8200.104	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,8</b> 4 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5
8200.111 8200.113 8200.149 8200.152 8200.152 8200.103 8200.102 8200.104	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,8</b> 4 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896	\$     -       \$     -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458	\$     -       \$     -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4
8200.111 8200.113 8200.149 8200.152 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021	\$     -       \$     -	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407	\$     -       \$     -	\$       -         \$       -	\$       \$         \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988	\$     -       \$     -	\$       -         \$       -	\$       \$ <t< td=""><td><b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9</td></t<>	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Prine: Mud Prine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,784,801</b> 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407	\$     -       \$     -	\$       -         \$       -	\$       \$         \$	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988	\$     -       \$     -	\$       -         \$       -	\$       \$ <t< td=""><td><b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3</td></t<>	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Prine: Mud Prine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704	\$     -       \$     -	\$       -         \$       -	\$       \$ <t< td=""><td><b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7</td></t<>	<b>2,784,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Joisel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504	\$     -       \$     -	\$       -         \$       -	\$       \$ <t< td=""><td>2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5</td></t<>	2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5
8200.111 8200.113 8200.149 8200.152 8200.102 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.124 8200.146 8200.137	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Joiesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851	\$     -       \$     -	\$       -         \$       -	\$     \$       \$     \$	2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8
8200.111 8200.113 8200.149 8200.152 8200.102 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213	\$     -       \$     -	\$       -         \$       -	\$       \$ <t< td=""><td>2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2</td></t<>	2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498	\$       -         \$	\$       -         \$	\$       \$ <t< td=""><td>2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4</td></t<>	2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diresel: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311	\$       -         \$       -	\$       -         \$	\$       \$ <t< td=""><td>2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3</td></t<>	2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125 8200.144	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Diresel: Mud - Diresel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400	\$       -         \$       -	\$       -         \$	\$       \$ <t< td=""><td>2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4</td></t<>	2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.169 8200.119 8200.164 8200.158 8200.124 8200.124 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diresel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322	\$       -         \$	\$       -         \$	\$       \$ <t< td=""><td>2,784,84 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3</td></t<>	2,784,84 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.124 8200.137 8200.138 8200.106 8200.125 8200.144 8200.107 8200.127	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diresel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283	\$       -         \$	\$       -         \$	\$       \$ <t< td=""><td>2,784,84 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 2,7,2</td></t<>	2,784,84 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 2,7,2
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8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.128 8200.128 8200.115 8200.115 8200.169 8200.169 8200.164 8200.164 8200.158 8200.124 8200.138 8200.138 8200.106 8200.125 8200.144 8200.125 8200.144 8200.127 8200.136 8200.134 8200.134 8200.135	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diresel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: Inspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Open Hole Logging: Coring & Analysis:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,784,801 5,269 7,903 10,538 7,903 102,606 71,655 700,583 146,389 67,314 216,434 166,629 4,896 23,458 107,021 29,407 97,988 183,314 100,704 42,504 71,851 200,213 103,498 45,311 2,400 225,322 27,283 2,145 - 7,531	\$       -         \$	\$       -         \$	\$         \$	2,784,8 5,2 7,9 10,5 7,9 102,6 71,6 700,5 146,3 67,3 216,4 166,6 4,8 23,4 107,0 29,4 97,9 183,3 100,7 42,5 71,8 200,2 103,4 45,3 2,4 225,3 2,7,2 2,1
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#### AFE # NM0227 - Gravling 11 Fed Com #506H

Intangible Completion	on	\$ -	\$ 5,565,310	\$ -	\$ 5,565,310
8300.205	Location & Roads:	\$ -	\$ 5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$ -	\$ -	\$ -	\$ -
8300.243	Analysis	\$ -	\$ 12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$ -	\$ 1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$ -	\$ 932,358	\$ -	\$ 932,358
8300.207	Water:	\$ -	\$ 540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$ -	\$ 82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$ -	\$ 443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$ -	\$ 110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$ -	\$ 399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$ -	\$ 700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$ -	\$ 371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$ -	\$ 18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$ -	\$ 43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$ -	\$ 28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental	\$ -	\$ 6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$ -	\$ 200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$ -	\$ 30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$ -	\$ 1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$ -	\$ 5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$ -	\$ 39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$ -	\$ 111,243	\$ -	\$ 111,243
8300.273	Flowback:	\$ -	\$ 59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$ -	\$ 14,592	\$ -	\$ 14,592
8300.225	Contingency:	\$ -	\$ -	\$ -	\$ -
Intangible Facilities		\$ -	\$ -	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$ -	\$ -	\$ -	\$ -
8350.402	Damages/ROW:	\$ -	\$ -	\$ -	\$ -
8350.403	Location, Roads:	\$ -	\$ -	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$ -	\$ -	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$ -	\$ -	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$ -	\$ -	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$ -	\$ -	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$ -	\$ -	\$ -	\$ -
8350.410	Transportation:	\$ -	\$ -	\$ 22.154	\$ 22,154
8350.404	Equipment Rentals:	\$ -	\$ -	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$ -	\$ -	\$ -	\$ -
8350.413	Contingency:	\$ -	\$ -	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$ 2,784,801	5,565,310	\$ 353,282	\$ 8,703,394

TOTAL D&C&F COSTS >>>	\$ 3,758,094	\$ 5,851,785	\$ 1,508,788	\$ 11,118,667
TOTAL Dacar COSTS	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:

Ву:\_\_\_\_\_



#### Authority for Expenditure

AFE:	NM0228	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #601H	Projected MD,	/TVD:	20773 / 10450
Target:	Bone Springs	Spud t	o TD:	13.5 days
County:	Lea	Lateral Le	ength:	10,000
State:	NM	St	tages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	(ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 330 FEL	Total Fluid (g	al/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #601H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 20773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,839,091
COMPLETIONS:	\$5,867,351
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,215,229

#### **OPERATOR APPROVAL:**

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

### AFE # NM0228 - Grayling 11 Fed Com #601H

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angible Drilling	TANGIBLE COSTS	~ ~	Drilling	Completion		Facilities	¢	Total
	Surface Cooling	\$	1,002,224	<b>\$</b> -	\$	-	\$	1,002,22
8400.301	Surface Casing:	\$	64,871	\$-	\$	-	\$	64,8
8400.302	Intermediate1 Casing:	\$	244,681	\$-	\$	-	\$	244,6
8400.302	Intermediate2 Casing:	\$	-	\$-	\$	-	\$	
8400.303	Production Casing:	\$	635,769	\$-	\$	-	\$	635,7
8400.340	Wellhead Equipment:	\$	56,903	\$-	\$		\$	56,9
0400.040		\$	50,500	\$ -	\$		\$	50,0
ngible Completior		<del>پ</del> \$	-	⇒ <u>-</u> \$ 300,489	⇒ \$	-	۹ \$	200 4
8400.308	Tubing:		-			-		300,4
		\$	-	\$ 151,552	\$	-	\$	151,5
8400.340	Wellhead Equip:	\$	-	\$ 107,841	\$	-	\$	107,8
8400.312	Artificial Lift: Gas Lift	\$	-	\$ 41,096	\$	-	\$	41,0
		\$	-	\$ -	\$	-	\$	
ngible Facility		\$	-	\$-	\$	1,155,505	\$	1,155,5
8400.341	Vessels:	\$	-	\$-	\$	220,123	\$	220,1
8400.342	Tanks:	\$	-	\$-	\$	101,017	\$	101,0
8400.343	Flare:	\$	-	\$ -	\$	28,281	\$	28,2
8400.344	Compressors:	\$		\$-	\$	19,708	\$	19,7
8400.316	Pipe/Valves/Fittings:		-					
		\$	-	\$-	\$	166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$	-	\$-	\$	51,285	\$	51,2
8400.345	LACT Unit:	\$	-	\$-	\$	-	\$	
8400.346	Electrical Facility:	\$	-	\$-	\$	-	\$	
8400.347	Containment:	\$	-	\$-	\$	27,245	\$	27,2
8400.348	Pump/Supplies:	\$		\$-	\$	41,433	\$	41,4
8400.348	Pipelines:		-			+1,400		41,4
		\$	-	\$-	\$	-	\$	
8400.315	Flowlines:	\$	-	\$-	\$	-	\$	
8400.350	Instrument/Electrical Panel:	\$	-	\$-	\$	499,929	\$	499,9
		\$	-	\$-	\$	-	\$	
1	OTAL TANGIBLE COSTS >>>	\$	1,002,224	\$ 300,489	\$	1,155,505	\$	2,458,2
	INTANGIBLE COSTS		Drilling	Completion	F	Facilities		Total
tangible Drilling							•	0 0 0 0 0
		\$	2,836,867	\$-	\$	-	\$	2,836,8
	Survey. Stake/Permit:	·				-		
8200.111	Survey, Stake/Permit:	\$	5,269	\$ -	\$	-	\$	5,2
8200.111 8200.113	Damages/ROW:	\$	5,269 7,903	\$ - \$ -	\$ \$	- - -	\$ \$	5,: 7,:
8200.111 8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	5,269 7,903 10,538	\$ - \$ - \$ -	\$ \$ \$	- - - -	· \$\$ \$\$ \$\$	5, 7, 10,
8200.111 8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$ \$	5,269 7,903 10,538 7,903	\$ - \$ - \$ - \$ -	\$ \$ \$ \$	- - - -	· \$\$ \$\$ \$\$ \$\$	5,: 7,! 10,: 7,!
8200.111 8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$	5,269 7,903 10,538 7,903 102,606	\$ - \$ - \$ -	\$ \$ \$ \$	- - - - -	· \$\$ \$\$ \$\$	5,5 7,9 10,4 7,9 102,1
8200.111 8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$ \$	5,269 7,903 10,538 7,903	\$ - \$ - \$ - \$ -	\$ \$ \$ \$		· \$\$ \$\$ \$\$ \$\$	5,5 7,9 10,4 7,9 102,1
8200.111 8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606	\$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	· \$\$ \$\$ \$\$ \$\$	5,; 7,; 10,; 7,; 102,; 71,;
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 102, 71, 721,
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,: 7,: 10,: 7,: 102,: 71,: 721,: 151,:
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -		5,: 7,9 10,4 7,1 102, 71,1 721, 151,1 67,1
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5, 7, 10, 7, 102, 71, 721, 151, 67, 221,
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332	\$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5, 7, 10, 7, 102, 71, 721, 151, 67, 221, 168,
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5, 7, 10, 7, 102, 71, 721, 151, 67, 221, 168,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,, 7,1 102, 71, 721, 151, 67,; 221,; 168,; 4,9
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458	\$     -       \$     -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\ovee\$         \$\ovee\$ <t< td=""><td>5,; 7,9 10,, 7,1, 102, 71, 721, 151, 67,, 221,; 168, 4,9 23,</td></t<>	5,; 7,9 10,, 7,1, 102, 71, 721, 151, 67,, 221,; 168, 4,9 23,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021	\$     -       \$     -	\$\$       \$\$ <td< td=""><td></td><td>\$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$</td><td>5, 7, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107,</td></td<>		\$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$	5, 7, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749	\$     -       \$     -	\$\$       \$\$ <td< td=""><td></td><td>\$           \$</td><td>5, 7, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29,</td></td<>		\$           \$	5, 7, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$     \$       \$     \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734	\$     -       \$     -	\$\$         \$\$<		\$\$         \$\$<	5, 7, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431	\$     -       \$     -	\$\$       \$\$ <td< td=""><td></td><td>\$         \$           \$         \$</td><td>5, 7, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184,</td></td<>		\$         \$           \$         \$	5, 7, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184,
8200.111 8200.113 8200.149 8200.152 8200.102 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,, 7,, 10, 7,, 102, 71, 721, 151, 67, 221, 168, 4, 23, 168, 4, 23, 107, 29, 100, 184, 103,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431	\$     -       \$     -	\$\$       \$\$ <td< td=""><td></td><td>\$         \$           \$         \$</td><td>5,, 7,, 10, 7,, 102, 71, 721, 151, 67, 221, 168, 4, 23, 168, 4, 23, 107, 29, 100, 184, 103,</td></td<>		\$         \$           \$         \$	5,, 7,, 10, 7,, 102, 71, 721, 151, 67, 221, 168, 4, 23, 168, 4, 23, 107, 29, 100, 184, 103,
8200.111 8200.113 8200.149 8200.152 8200.102 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143	\$       -         \$       -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,, 7,, 10, 7,, 102, 71, 721, 151, 67, 221, 168, 4, 23, 168, 4, 23, 107, 29, 100, 184, 103, 43,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035	\$       -           \$       - <t< td=""><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$         \$\$&lt;</td><td>5,, 7,, 10,, 7,, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72,</td></t<>	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,, 7,, 10,, 7,, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213	\$       -           \$       - <t< td=""><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$         \$\$&lt;</td><td>5,, 7,, 10, 7,, 102, 71, 721, 151, 67, 221, 168, 4, 23, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200,</td></t<>	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,, 7,, 10, 7,, 102, 71, 721, 151, 67, 221, 168, 4, 23, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		·         ·	5,, 7,, 10, 7,, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200, 106,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5;, 7;, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200, 106, 45,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.137 8200.138 8200.106 8200.125 8200.144	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Company Supervision:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5;, 7;, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200, 106, 45, 2,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Company Supervision:Consulting Services:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5;, 7;, 10, 7, 102, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200, 106, 45, 220, 200,
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146 8200.137 8200.138 8200.106 8200.125 8200.144	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Company Supervision:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400	\$       -         \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5; 7; 7; 10; 71; 721; 151; 67; 221; 168; 4; 221; 168; 4; 23; 107; 100; 100; 100; 100; 100; 200; 100; 200; 2
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8200.111         8200.133         8200.149         8200.152         8200.12         8200.103         8200.102         8200.104         8200.102         8200.104         8200.102         8200.104         8200.104         8200.104         8200.104         8200.104         8200.105         8200.117         8200.115         8200.169         8200.164         8200.119         8200.164         8200.124         8200.138         8200.138         8200.138         8200.138         8200.125         8200.127         8200.127         8200.136         8200.136         8200.136         8200.136	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157	\$       -         \$	\$\$       \$\$ <td< td=""><td>- - - - - - - -</td><td>S         S         S           S         S         S</td><td>5; 7; 10, 7, 102, 71, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200, 106, 45, 2, 232, 27, 2, 2, 7, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,</td></td<>	- - - - - - - -	S         S         S           S         S         S	5; 7; 10, 7, 102, 71, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200, 106, 45, 2, 232, 27, 2, 2, 7, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,
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8200.111         8200.133         8200.149         8200.152         8200.103         8200.102         8200.102         8200.104         8200.102         8200.104         8200.102         8200.104         8200.104         8200.104         8200.104         8200.105         8200.117         8200.115         8200.117         8200.117         8200.119         8200.164         8200.124         8200.124         8200.138         8200.144         8200.138         8200.106         8200.125         8200.127         8200.127         8200.136         8200.136         8200.136         8200.134         8200.135         8200.135         8200.135	Damages/ROW:Legal, Title, Etc.Well Control Insurance:Location:Rig Move:Drilling Daywork:Fuel/Power:Bits & BHA:Directional:Mud & Chemicals:Mud - Drill Water:Mud - Dissel:Mud - Diesel:Mud - Auxiliary:Solids Control/Closed Loop:Disposal:Equipment Rental:Mancamp:Casing Services:Cementing:Transportation:Inspection/Testing:Consulting Services:Contract Labor:Roustabout Services:Mudlogging:Geo-Steering:Open Hole Logging:Coring & Analysis:Safety & Environmental:Drilling Overhead:	\$       \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615	\$       -         \$	\$\$       \$\$ <td< td=""><td>- - - - - - - -</td><td>S         S         S           S         S         S</td><td>5; 7; 10, 7, 102, 71, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200, 106, 45, 2, 232, 27, 2, 2, 7, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,</td></td<>	- - - - - - - -	S         S         S           S         S         S	5; 7; 10, 7, 102, 71, 71, 721, 151, 67, 221, 168, 4, 23, 107, 29, 100, 184, 103, 43, 72, 200, 106, 45, 2, 232, 27, 2, 2, 7, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,
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#### AFE # NM0228 - Gravling 11 Fed Com #601H

	·	-				
Intangible Completion	on	\$	-	\$ 5,566,861	\$ -	\$ 5,566,861
8300.205	Location & Roads:	\$	-	\$ 5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$	-	\$ -	\$ -	\$ -
8300.243	Analysis	\$	-	\$ 12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$	-	\$ 1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$	-	\$ 932,358	\$ -	\$ 932,358
8300.207	Water:	\$	-	\$ 540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$	-	\$ 82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$	-	\$ 443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$	-	\$ 110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$	-	\$ 399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$	-	\$ 700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$	-	\$ 371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$	-	\$ 18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$	-	\$ 43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$	-	\$ 28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$	-	\$ 6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$	-	\$ 200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$	-	\$ 30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$	-	\$ 1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$	-	\$ 5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$	-	\$ 39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$	-	\$ 111,844	\$ -	\$ 111,844
8300.273	Flowback:	\$	-	\$ 59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$	-	\$ 15,542	\$ -	\$ 15,542
8300.225	Contingency:	\$	-	\$ -	\$ -	\$ -
Intangible Facilities	• • •	\$	-	\$ -	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$	-	\$ -	\$ -	\$ -
8350.402	Damages/ROW:	\$	-	\$ -	\$ -	\$ -
8350.403	Location, Roads:	\$	-	\$ -	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$	-	\$ -	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$	-	\$ -	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$	-	\$ -	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$	-	\$ -	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$	-	\$ -	\$ -	\$ -
8350.410	Transportation:	\$	-	\$ -	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$	-	\$ -	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$	-	\$ -	\$ -	\$ -
8350.413	Contingency:	\$	-	\$ -	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$	2,836,867	\$ 5,566,861	\$ 353,282	\$ 8,757,011

TOTAL D&C&F COSTS >>>	\$ 3,839,091	\$ 5,867,351	\$ 1,508,788	\$ 11,215,229
TOTAL Dacar COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:

Ву:\_\_\_\_\_



#### Authority for Expenditure

AFE:	NM0229	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #602H	Projected MD	/TVD:	20773 / 10450
Target:	Bone Springs	Spud	to TD:	13.5 days
County:	Lea	Lateral L	ength:	10,000
State:	NM	S	tages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	(ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 1254 FEL	Total Fluid (g	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #602H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 20773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,839,091
COMPLETIONS:	\$5,867,351
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,215,229

#### **OPERATOR APPROVAL:**

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

### AFE # NM0229 - Grayling 11 Fed Com #602H

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		TANGIBLE COS				Drilling	Co	mpletion		Facilities		Total
Tangible Drilling					\$	1,002,224	\$	-	\$	-	\$	1,002,224
8400.30 <sup>2</sup>	1 Surface	Casing:			\$	64,871	\$	-	\$	-	\$	64,87
8400.302	2 Intermed	liate1 Casing:			\$	244,681	\$	-	\$	-	\$	244,68
8400.302		liate2 Casing:			\$	-	\$	-	\$	-	\$	
8400.303		on Casing:			\$	635,769	\$	-	\$	-	\$	635,76
8400.340		d Equipment:			\$	56,903	\$		\$		\$	56,90
0400.040					\$	50,505	\$		\$		\$	50,50
angible Completi					\$		\$	300,489	\$		\$	300,48
						-			· ·	-		
8400.308		d E an da a			\$	-	\$	151,552	\$	-	\$	151,55
8400.340					\$	-	\$	107,841	\$	-	\$	107,84
8400.312	2 Artificial	Lift: Gas Lift			\$	-	\$	41,096	\$	-	\$	41,09
					\$	-	\$	-	\$	-	\$	
angible Facility					\$	-	\$	-	\$	1,155,505	\$	1,155,50
8400.34	1 Vessels:				\$	-	\$	-	\$	220,123	\$	220,12
8400.342	2 Tanks:				\$	-	\$	-	\$	101,017	\$	101,01
8400.343	3 Flare:				\$	-	\$	-	\$	28,281	\$	28,28
8400.344		ssors:			\$	-	\$	-	\$	19,708	\$	19,70
8400.316		ves/Fittings:			\$		\$		\$	166,483	\$	166,48
8400.328		entation/Meters:			\$	-	φ \$	-	\$	51,285	\$	51,28
	-					-		-		51,205		51,20
8400.345					\$	-	\$	-	\$	-	\$	
8400.346		ll Facility:			\$	-	\$	-	\$	-	\$	
8400.347					\$	-	\$	-	\$	27,245	\$	27,24
8400.348					\$		\$	-	\$	41,433	\$	41,43
8400.349	Pipelines	3:			\$	-	\$	-	\$	-	\$	
8400.315	5 Flowlines	3:			\$	-	\$	-	\$	-	\$	
8400.350	) Instrume	ent/Electrical Pa	inel:		\$	-	\$	-	\$	499,929	\$	499,92
					\$	-	\$	-	\$	-	\$	
	TOTAL	ANGIBLE C	<< 2720°	>		1,002,224	\$	300,489		1,155,505	\$	2,458,21
	TOTAL	ANOIDEL C		-	Ψ	1,002,224	Ψ	500,403	Ψ	1,100,000	Ψ	2,400,21
	//	ITANGIBLE CO	DSTS			Drilling	Co	mpletion		Facilities		Total
											•	
tangihle Drilling					\$	-	¢	_	<b>~</b>	-	S S	- 7 X X K X K
		Stake/Permit:			\$	2,836,867	\$ ¢	-	\$	-	\$ ¢	
8200.11		Stake/Permit:			\$	<b>2,836,867</b> 5,269	\$	-	\$	-	\$	5,26
8200.11 <sup>2</sup> 8200.113	3 Damage	s/ROW:			\$	<b>2,836,867</b> 5,269 7,903	\$ \$	-	\$	-	\$ \$	<b>2,836,86</b> 5,26 7,90
8200.11 8200.11 8200.149	3 Damage 9 Legal, Ti	s/ROW: itle, Etc.			\$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538	\$ \$ \$	-	\$ \$ \$	-	\$ \$ \$	5,26 7,90 10,53
8200.111 8200.113 8200.149 8200.152	<ul><li>Damage</li><li>Legal, Ti</li><li>Well Cor</li></ul>	s/ROW: itle, Etc. ntrol Insurance:			\$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903	\$ \$ \$	- - - -	\$ \$ \$	- - - -	\$ \$ \$	5,20 7,90 10,53 7,90
8200.111 8200.113 8200.149 8200.152 8200.112	<ul> <li>Damage</li> <li>Legal, Ti</li> <li>Well Cor</li> <li>Location</li> </ul>	s/ROW: tle, Etc. ntrol Insurance: :			\$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606	\$ \$ \$	• • • • •	\$ \$ \$ \$	- - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,26 7,90 10,53 7,90 102,60
8200.11 8200.113 8200.149 8200.152	<ul> <li>Damage</li> <li>Legal, Ti</li> <li>Well Cor</li> <li>Location</li> <li>Rig Move</li> </ul>	s/ROW: itle, Etc. ntrol Insurance: : e:			\$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903	\$ \$ \$	- - - - - - -	\$ \$ \$		\$ \$ \$	5,26 7,90 10,53 7,90 102,60
8200.111 8200.113 8200.149 8200.152 8200.112	<ul> <li>Damage</li> <li>Legal, Ti</li> <li>Well Cor</li> <li>Location</li> <li>Rig Move</li> </ul>	s/ROW: itle, Etc. ntrol Insurance: : e:			\$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$	- - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,20 7,90 10,53 7,90 102,60 71,65
8200.11 8200.113 8200.149 8200.152 8200.112 8200.103	<ul> <li>Damage</li> <li>Legal, Ti</li> <li>Well Cor</li> <li>Location</li> <li>Rig Move</li> <li>Drilling D</li> </ul>	s/ROW: itle, Etc. htrol Insurance: : e: Daywork:			\$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,20 7,90 10,53 7,90 102,60 71,63 721,75
8200.11 8200.143 8200.152 8200.152 8200.102 8200.102 8200.102 8200.102	<ul> <li>Damage</li> <li>Legal, Ti</li> <li>Well Cor</li> <li>Location</li> <li>Rig Move</li> <li>Drilling D</li> <li>Fuel/Pov</li> </ul>	s/ROW: itle, Etc. htrol Insurance: : e: Daywork: wer:			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2( 7,9( 10,5) 7,9( 102,6( 71,6) 721,79 151,6
8200.11 8200.14 8200.15 8200.15 8200.10 8200.10 8200.10 8200.10 8200.10	BDamageDLegal, TiLegal, TiWell CorLocationRig MoveRig MoveDrilling DDrilling CFuel/PovBits & BitsBits & Bits	s/ROW: itle, Etc. introl Insurance: : e: Daywork: wer: HA:			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2( 7,9) 10,53 7,9) 102,6( 71,63 721,79 151,6 67,5
8200.11 8200.143 8200.152 8200.112 8200.103 8200.103 8200.104 8200.104 8200.116 8200.128	BDamageDLegal, TiLegal, TiWell CorLocationRig MoveRig MoveDrilling DDrilling CFuel/PoveBits & BiDirection	s/ROW: itle, Etc. introl Insurance: : e: Daywork: wer: HA: mal:			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	• • • • • • • • • • • • • • • • • • •	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2( 7,9) 10,53 7,90 102,60 71,63 721,79 151,6 67,5 221,24
8200.11 8200.143 8200.152 8200.102 8200.102 8200.102 8200.104 8200.104 8200.116 8200.116 8200.116 8200.117	3       Damage         3       Legal, Ti         2       Well Cor         2       Location         3       Rig Move         2       Drilling D         4       Fuel/Pov         5       Bits & Bl         3       Direction         7       Mud & C	s/ROW: itle, Etc. introl Insurance: : e: Daywork: wer: HA: hel: :hemicals:			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2( 7,9) 10,53 7,90 102,60 71,63 721,79 151,6 67,5 221,24 168,33
8200.11 8200.143 8200.152 8200.102 8200.102 8200.102 8200.104 8200.104 8200.115 8200.104 8200.104 8200.115 8200.15	3       Damage         3       Legal, Ti         2       Well Cor         2       Location         3       Rig Move         2       Drilling D         4       Fuel/Pove         5       Bits & Bl         3       Direction         7       Mud & C         5       Mud - Dr	s/ROW: itle, Etc. htrol Insurance: : e: Daywork: wer: HA: hal: hemicals: ill Water:			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$\$         \$\$\$\$\$\$\$\$\$\$\$\$\$         \$\$\$\$\$\$         \$\$\$\$\$\$         \$	5,2( 7,9) 10,5: 7,9( 102,6) 71,6: 721,7; 151,6 67,5 221,2; 168,3: 4,9;
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8200.11 8200.145 8200.152 8200.102 8200.102 8200.102 8200.104 8200.102 8200.104 8200.116 8200.115 8200.15	Barrier       Damage         Damage       Legal, Ti         Legal, Ti       Well Corr         Location       Bits         Bits & Bi       Direction         Direction       Mud & C         Mud - Dr       Mud - Di	s/ROW: itle, Etc. htrol Insurance: : e: Daywork: wer: HA: hemicals: ill Water: he: esel:			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2( 7,9) 102,6( 71,6; 721,7) 151,6 67,5 221,2; 168,3; 4,9; 23,4; 107,0;
8200.11 8200.145 8200.152 8200.102 8200.102 8200.102 8200.104 8200.102 8200.104 8200.116 8200.115 8200.15 8200.15	Barrier       Damage         Damage       Legal, Ti         Legal, Ti       Well Cor         Location       Direction         Bits & Bi       Direction         Direction       Mud & C         Mud - Dr       Mud - Di         Mud - Au       Direction	s/ROW: itle, Etc. htrol Insurance: : e: Daywork: wer: HA: hemicals: chemicals: ill Water: he: esel: uxiliary:			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749	\$       \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2( 7,9) 10,5: 7,9( 102,6) 71,6: 721,7; 151,6 67,5: 221,2: 168,3: 4,9) 23,4: 107,0: 29,7:
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8200.111 8200.145 8200.152 8200.102 8200.102 8200.102 8200.104 8200.104 8200.104 8200.115 8200.115 8200.158 8200.158	Barrier       Damage         Damage       Legal, Ti         Well Cor       Location         Location       Rig Move         Drilling E       Fuel/Pov         Bits & Bi       Direction         Mud & C       Mud & C         Mud Brir       Mud - Di         Mud - Di       Mud - Au         Solids C       Disposal         Equipment       Equipment	s/ROW: itle, Etc. ntrol Insurance: : e: Daywork: wer: HA: hemicals: rill Water: ne: esel: uxiliary: ontrol/Closed Log: ent Rental:	oop:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$	- - - - - - - - -	\$         \$	5,2( 7,9) 102,6( 71,63 721,79 151,6 67,5 221,24 168,33 4,9) 23,4( 107,0) 29,74 100,73 184,43 103,43
8200.111 8200.145 8200.152 8200.102 8200.102 8200.102 8200.102 8200.104 8200.112 8200.112 8200.115 8200.115 8200.156 8200.124 8200.144	Barrier       Damage         Damage       Legal, Ti         Well Cor       Location         Rig Move       Drilling D         Fuel/Pow       Bits & Bi         Direction       Mud & C         Mud & C       Mud & C         Mud - Dr       Mud - Di         Mud - Au       Solids C         Disposal       Disposal         Hancam       Mancam	s/ROW: itle, Etc. ntrol Insurance: : e: Daywork: wer: HA: heal: :hemicals: rill Water: ne: esel: uxiliary: ontrol/Closed Lo : ent Rental: p:	oop:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$	- - - - - - - - -	\$       \$	5,2( 7,9( 10,5) 7,9( 102,6) 71,63 721,74 151,6 67,5 221,24 168,33 4,9( 23,4) 107,0) 29,74 100,73 184,43 103,43
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#### AFE # NM0229 - Gravling 11 Fed Com #602H

r		<u> </u>				
Intangible Completion	on	\$	-	\$ 5,566,861	\$ -	\$ 5,566,861
8300.205	Location & Roads:	\$	-	\$ 5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$	-	\$ -	\$ -	\$ -
8300.243	Analysis	\$	-	\$ 12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$	-	\$ 1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$	-	\$ 932,358	\$ -	\$ 932,358
8300.207	Water:	\$	-	\$ 540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$	-	\$ 82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$	-	\$ 443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$	-	\$ 110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$	-	\$ 399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$	-	\$ 700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$	-	\$ 371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$	-	\$ 18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$	-	\$ 43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$	-	\$ 28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$	-	\$ 6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$	-	\$ 200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$	-	\$ 30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$	-	\$ 1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$	-	\$ 5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$	-	\$ 39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$	-	\$ 111,844	\$ -	\$ 111,844
8300.273	Flowback:	\$	-	\$ 59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$	-	\$ 15,542	\$ -	\$ 15,542
8300.225	Contingency:	\$	-	\$ -	\$ -	\$ -
Intangible Facilities	• • •	\$	-	\$ -	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$	-	\$ -	\$ -	\$ -
8350.402	Damages/ROW:	\$	-	\$ -	\$ -	\$ -
8350.403	Location, Roads:	\$	-	\$ -	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$	-	\$ -	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$	-	\$ -	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$	-	\$ -	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$	-	\$ -	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$	-	\$ -	\$ -	\$ -
8350.410	Transportation:	\$	-	\$ -	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$	-	\$ -	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$	-	\$ -	\$ -	\$ -
8350.413	Contingency:	\$	-	\$ -	\$ 71,847	\$ 71,847
	TAL INTANGIBLE COSTS >>>	\$	2,836,867	\$ 5,566,861	\$ 353,282	\$ 8,757,011

TOTAL D&C&F COSTS >>>	\$ 3,839,091	\$ 5,867,351	\$ 1,508,788	\$ 11,215,229
TOTAL Dacar COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:

Ву:\_\_\_\_\_



#### Authority for Expenditure

AFE:	NM0230	Date:	June 2	8, 2023
Well Name:	Grayling 11 Fed Com #603H	Projected MD	/TVD:	20773 / 10450
Target:	Bone Springs	Spud	to TD:	13.5 days
County:	Lea	Lateral Le	ength:	10,000
State:	NM	S	tages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant	(ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 2178 FEL	Total Fluid (g	al/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #603H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 20773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,839,091
COMPLETIONS:	\$5,867,351
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,215,229

#### **OPERATOR APPROVAL:**

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

### AFE # NM0230 - Grayling 11 Fed Com #603H

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	TANGIBLE COSTS		Drilling	Co	ompletion		Facilities		Total
ngible Drilling		\$	1,002,224	\$	-	\$	-	\$	1,002,22
8400.301	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,8
8400.302 I	ntermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,6
	ntermediate2 Casing:	\$	-	\$	_	\$	-	\$	
	Production Casing:	\$	635,769	\$		\$	_	\$	635,7
	Vellhead Equipment:	-							,
0400.340 V	vennead Equipment.	\$	56,903	\$	-	\$	-	\$	56,9
		\$	-	\$	-	\$	-	\$	
ngible Completion		\$	-	\$	300,489	\$	-	\$	300,48
	Fubing:	\$	-	\$	151,552	\$	-	\$	151,5
8400.340	Vellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,8
8400.312 A	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,0
		\$	-	\$	-	\$	-	\$	
ngible Facility		\$	-	\$	_	\$	1,155,505	\$	1,155,5
	/essels:	\$		\$		\$	220,123	<b>↓</b> \$	220,1
		· ·	-		-		,		
	Tanks:	\$	-	\$	-	\$	101,017	\$	101,0
	-lare:	\$	-	\$	-	\$	28,281	\$	28,2
8400.344	Compressors:	\$	-	\$	-	\$	19,708	\$	19,7
8400.316 F	Pipe/Valves/Fittings:	\$	-	\$	-	\$	166,483	\$	166,4
8400.328 I	nstrumentation/Meters:	\$	-	\$	-	\$	51,285	\$	51,2
	ACT Unit:	\$	-	\$	-	\$	- ,	\$	- ,
	Electrical Facility:	-							
		\$	-	\$	-	\$	-	\$	~
	Containment:	\$	-	\$	-	\$	27,245	\$	27,2
	Pump/Supplies:	\$	-	\$	-	\$	41,433	\$	41,4
8400.349 F	Pipelines:	\$	-	\$	-	\$	-	\$	
8400.315 F	Flowlines:	\$	-	\$	-	\$	-	\$	
8400.350 I	nstrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,9
0400.000		\$		\$		\$	400,020	\$	400,0
			-		-	,	-		0 450 0
10	TAL TANGIBLE COSTS >>>	\$	1,002,224	\$	300,489	Þ	1,155,505	\$	2,458,2
		<b>—</b>	Delilling				<b>F</b> = -11141 = -		<b>T</b> - 4 - 1
and the Datility of	INTANGIBLE COSTS		Drilling		ompletion	•	Facilities	-	Total
angible Drilling		\$	2,836,867	\$	-	\$	-	\$	2,836,8
						\$			5,2
	Survey, Stake/Permit:	\$	5,269	\$	-		-	\$	
	Damages/ROW:	\$ \$	5,269 7,903	\$ \$	-	\$	-	ծ \$	
8200.113		\$	7,903	· ·	-		-		7,9
8200.113 [ 8200.149 [	Damages/ROW: Legal, Title, Etc.	\$ \$	7,903 10,538	\$ \$	-	\$ \$	-	\$ \$	7,9 10,5
8200.113 E 8200.149 L 8200.152 V	Damages/ROW: .egal, Title, Etc. Well Control Insurance:	\$ \$ \$	7,903 10,538 7,903	\$ \$ \$		\$ \$ \$	-	\$ \$ \$	7,9 10,5 7,9
8200.113 L 8200.149 L 8200.152 V 8200.112 L	Damages/ROW: .egal, Title, Etc. Vell Control Insurance: .ocation:	\$ \$ \$ \$	7,903 10,538 7,903 102,606	\$ \$ \$ \$		\$ \$ \$		\$ \$ \$	7,9 10,5 7,9 102,6
8200.113 [ 8200.149 ] 8200.152 ] 8200.112 ] 8200.103 ]	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$	7,9 10,5 7,9 102,6 71,6
8200.113 [ 8200.149 ] 8200.152 ] 8200.112 ] 8200.103 ] 8200.102 [	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796	\$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$	7,5 10,5 7,5 102,6 71,6 721,7
8200.113 [ 8200.149 ] 8200.152 ] 8200.112 ] 8200.103 ] 8200.102 [ 8200.104 ]	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676	\$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$	7,5 10,5 7,5 102,6 71,6 721,7 151,6
8200.113 [ 8200.149 ] 8200.152 ] 8200.112 ] 8200.103 ] 8200.102 [ 8200.104 ]	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796	\$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - -	\$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$	7,5 10,5 7,5 102,6 71,6 721,7 151,6
8200.113         I           8200.149         L           8200.152         V           8200.112         L           8200.103         F           8200.102         I           8200.102         I           8200.104         F           8200.104         F           8200.116         E	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7; 10; 7; 102; 71; 721; 151; 67;
8200.113         I           8200.149         L           8200.152         V           8200.112         L           8200.103         F           8200.102         I           8200.102         I           8200.104         F           8200.104         F           8200.116         E           8200.128         I	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2
8200.113 [ 8200.149 ] 8200.152 ] 8200.103 ] 8200.102 [ 8200.104 ] 8200.116 ] 8200.128 [ 8200.128 ]	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,5 10,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3
8200.113 [ 8200.149 ] 8200.152 ] 8200.103 ] 8200.102 [ 8200.104 ] 8200.116 ] 8200.116 ] 8200.128 [ 8200.117 ] 8200.115 ]	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,5 10,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5
8200.113       I         8200.149       I         8200.152       V         8200.152       I         8200.103       F         8200.102       I         8200.102       I         8200.104       F         8200.116       E         8200.128       I         8200.117       N         8200.115       N	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$       \$\$ <td< td=""><td>7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 168,5 4,5 23,4</td></td<>	7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 168,5 4,5 23,4
8200.113 [ 8200.149 ] 8200.152 ] 8200.152 ] 8200.103 ] 8200.102 [ 8200.104 ] 8200.104 ] 8200.116 ] 8200.128 [ 8200.128 ] 8200.117 ] 8200.115 ]	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- 	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 168,5 4,5 23,4
8200.113       I         8200.149       I         8200.152       V         8200.152       I         8200.103       F         8200.102       I         8200.102       I         8200.104       F         8200.116       I         8200.128       I         8200.117       N         8200.115       N         8200.169       N	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$         \$\$\$\$\$\$         \$	7,5 10,5 721,7 151,6 721,7 151,6 67,5 221,2 168,3 4,5 23,4 107,0
8200.113       I         8200.149       I         8200.152       V         8200.103       F         8200.103       F         8200.102       I         8200.102       I         8200.104       F         8200.116       E         8200.128       I         8200.117       N         8200.115       N         8200.169       N         8200.170       N         8200.119       N	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,5 10,5 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7
8200.113       I         8200.149       I         8200.152       V         8200.103       F         8200.102       I         8200.102       I         8200.102       I         8200.104       F         8200.116       I         8200.128       I         8200.117       N         8200.115       N         8200.169       N         8200.170       N         8200.119       N	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud Fine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,5 10,5 71,6 71,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7
8200.113       I         8200.149       I         8200.152       V         8200.103       F         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.104       F         8200.104       F         8200.105       I         8200.116       I         8200.117       N         8200.115       N         8200.169       N         8200.170       N         8200.119       N         8200.164       S         8200.158       I	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431	\$       \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,5 10,5 71,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,6 29,7 100,7 184,4
8200.113       I         8200.149       I         8200.152       V         8200.103       F         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.104       F         8200.104       F         8200.105       I         8200.116       E         8200.117       N         8200.115       N         8200.169       N         8200.170       N         8200.119       N         8200.164       S         8200.158       I	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Pine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438	\$\$       \$\$ <td< td=""><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - - - - - - - - - - - - - -</td><td>\$       \$</td><td>7,5 10,5 71,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,6 29,7 100,7 184,4 103,4</td></td<>		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$       \$	7,5 10,5 71,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,6 29,7 100,7 184,4 103,4
8200.113       I         8200.149       I         8200.152       V         8200.103       F         8200.103       F         8200.102       I         8200.102       I         8200.104       F         8200.104       F         8200.104       F         8200.105       I         8200.116       E         8200.117       N         8200.115       N         8200.169       N         8200.170       N         8200.119       N         8200.164       S         8200.158       I         8200.124       E         8200.124       S	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143	\$       \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$	7,5 10,5 71,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7
8200.113       I         8200.149       I         8200.152       V         8200.103       F         8200.102       I         8200.102       I         8200.104       F         8200.116       F         8200.117       N         8200.169       N         8200.170       N         8200.119       N         8200.164       S         8200.158       I         8200.124       F         8200.124       S         8200.137       O	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438	\$\$       \$\$ <td< td=""><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - - - - - - - - - - - - - -</td><td>\$       \$</td><td>7,5 10,5 71,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7</td></td<>		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$       \$	7,5 10,5 71,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7
8200.113       I         8200.149       I         8200.152       V         8200.103       F         8200.102       I         8200.102       I         8200.104       F         8200.116       F         8200.117       N         8200.169       N         8200.170       N         8200.119       N         8200.164       S         8200.158       I         8200.124       F         8200.124       S         8200.137       O	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$	7,5 10,5 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7
8200.113       I         8200.149       I         8200.152       V         8200.152       V         8200.103       F         8200.102       I         8200.104       F         8200.116       F         8200.117       N         8200.169       N         8200.169       N         8200.119       N         8200.124       F         8200.124       F         8200.124       F         8200.137       C         8200.138       C	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7 72,0 200,2</td></td<>	7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7 72,0 200,2
8200.113       I         8200.149       I         8200.152       V         8200.152       V         8200.152       V         8200.103       F         8200.104       F         8200.104       F         8200.104       F         8200.104       F         8200.104       F         8200.104       F         8200.105       K         8200.115       K         8200.169       K         8200.164       S         8200.158       I         8200.124       F         8200.137       K         8200.138       K         8200.138       K	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7,5 10,5 721,7 151,6 67,5 221,2 168,3 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7 200,2 200,2</td></td<>	7,5 10,5 721,7 151,6 67,5 221,2 168,3 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7 200,2 200,2
8200.113       I         8200.149       I         8200.152       V         8200.103       F         8200.104       F         8200.105       K         8200.117       K         8200.169       K         8200.169       K         8200.164       S         8200.158       I         8200.124       F         8200.137       K         8200.138       K         8200.138       K         8200.138       K         8200.138       K         8200.138       K         8200.125       I	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$       \$\$ <td< td=""><td>7,5 10,5 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 20,7 200,2 106,5 45,5</td></td<>	7,5 10,5 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 20,7 200,2 106,5 45,5
8200.113       I         8200.149       I         8200.152       V         8200.102       I         8200.102       I         8200.104       F         8200.105       I         8200.116       E         8200.115       I         8200.169       I         8200.164       S         8200.158       I         8200.124       E         8200.137       G         8200.138       G         8200.138       G         8200.138       G         8200.138       G         8200.138       G         8200.125       I         8200.125       I	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400	\$\$         \$\$<		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7,5 10,5 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 200,2 106,5 200,2 106,5 20,2 20,2 20,2 20,2 20,2 20,2 20,2 20</td></td<>	7,5 10,5 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 200,2 106,5 200,2 106,5 20,2 20,2 20,2 20,2 20,2 20,2 20,2 20
8200.113       I         8200.149       I         8200.152       V         8200.152       V         8200.152       V         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.104       I         8200.105       I         8200.116       I         8200.117       I         8200.115       I         8200.169       I         8200.164       I         8200.164       I         8200.124       I         8200.124       I         8200.137       I         8200.138       I         8200.138       I         8200.125       I         8200.125       I         8200.125       I         8200.125       I         8200.125       I         8200.144       I	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Diriling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Fine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965</td><td>\$\$         \$\$&lt;</td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td>\$\$       <td< td=""><td>7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 100,4 43,7 72,0 200,2 106,5 45,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,5 2,5 2,5 2,5 2,5 2,5 2,5 2</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965	\$\$         \$\$<		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$       \$\$ <td< td=""><td>7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 100,4 43,7 72,0 200,2 106,5 45,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,5 2,5 2,5 2,5 2,5 2,5 2,5 2</td></td<>	7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 100,4 43,7 72,0 200,2 106,5 45,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,4 23,5 2,5 2,5 2,5 2,5 2,5 2,5 2,5 2
8200.113       I         8200.149       I         8200.152       V         8200.152       V         8200.152       V         8200.102       I         8200.104       I         8200.104       I         8200.115       I         8200.115       I         8200.169       I         8200.164       I         8200.158       I         8200.164       I         8200.124       I         8200.137       I         8200.138       I         8200.138       I         8200.125       I         8200.125       I         8200.127       I	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Fine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283</td><td>\$\$         \$\$&lt;</td><td></td><td>\$       \$</td><td></td><td>\$\$       <td< td=""><td>7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,6 45,5 20,2 232,5 232,5 232,5 27,2</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283	\$\$         \$\$<		\$       \$		\$\$       \$\$ <td< td=""><td>7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,6 45,5 20,2 232,5 232,5 232,5 27,2</td></td<>	7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 23,4 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,6 45,5 20,2 232,5 232,5 232,5 27,2
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8200.113       I         8200.149       I         8200.152       V         8200.152       V         8200.121       I         8200.102       I         8200.104       I         8200.104       I         8200.115       I         8200.115       I         8200.169       I         8200.164       I         8200.164       I         8200.164       I         8200.124       I         8200.124       I         8200.138       I         8200.138       I         8200.138       I         8200.125       I         8200.125       I         8200.127       I         8200.127       I         8200.136       I	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Fine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157</td><td>\$\$         \$\$&lt;</td><td></td><td>\$       \$</td><td></td><td>\$\$       <td< td=""><td>7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,</td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157	\$\$         \$\$<		\$       \$		\$\$       \$\$ <td< td=""><td>7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,</td></td<>	7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,
8200.113       I         8200.149       I         8200.152       V         8200.152       V         8200.103       F         8200.102       I         8200.104       F         8200.104       F         8200.128       I         8200.116       I         8200.128       I         8200.169       N         8200.170       N         8200.169       N         8200.164       S         8200.158       I         8200.164       S         8200.138       I         8200.138       I         8200.138       I         8200.138       I         8200.137       I         8200.138       I         8200.136       F         8200.127       I         8200.168       F         8200.168       F         8200.136       I	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud - Diresel: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering:	\$         \$ <td< td=""><td>7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283</td><td>\$\$         \$\$&lt;</td><td></td><td>\$         <td< td=""><td></td><td>\$\$       <td< td=""><td>7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,</td></td<></td></td<></td></td<>	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283	\$\$         \$\$<		\$         \$ <td< td=""><td></td><td>\$\$       <td< td=""><td>7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,</td></td<></td></td<>		\$\$       \$\$ <td< td=""><td>7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,</td></td<>	7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,
8200.113       I         8200.149       I         8200.152       V         8200.152       V         8200.121       I         8200.102       I         8200.103       F         8200.104       F         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.104       F         8200.105       I         8200.115       I         8200.169       I         8200.169       I         8200.164       S         8200.164       S         8200.164       S         8200.124       E         8200.138       G         8200.138       G         8200.138       G         8200.125       I         8200.125       I         8200.127       G         8200.127       G         8200.136       F         8200.136       F         8200.136       F         8200.136       F	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Fine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Dpen Hole Logging:	\$         \$ <td>7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157</td> <td>\$\$         \$\$&lt;</td> <td></td> <td>\$       \$</td> <td></td> <td>\$\$       <td< td=""><td>7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,</td></td<></td>	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157	\$\$         \$\$<		\$       \$		\$\$       \$\$ <td< td=""><td>7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,</td></td<>	7,5 10,5 7,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,5 23,2 107,0 29,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 100,7 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 200,2 20,2 2,7,2,
8200.113       I         8200.149       I         8200.152       I         8200.152       I         8200.103       F         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.104       F         8200.104       F         8200.104       F         8200.104       F         8200.128       I         8200.128       I         8200.117       N         8200.128       I         8200.169       N         8200.170       N         8200.169       N         8200.164       S         8200.170       N         8200.124       E         8200.138       I         8200.138       I         8200.138       I         8200.138       I         8200.138       I         8200.136       F         8200.136       N         8200.136       N         8200.136       N         8200.136       N         8200.134       I	Damages/ROW: egal, Title, Etc. Well Control Insurance: location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Dpen Hole Logging: Coring & Analysis:	\$         \$ <td>7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615</td> <td>\$\$         \$\$&lt;</td> <td></td> <td>\$       \$</td> <td></td> <td>\$\overline\$       \$\overline\$       \$\overline\$</td> <td>7,5 10,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7 72,0 200,2 106,5 45,5 2,4 232,5 27,5 7,6</td>	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615	\$\$         \$\$<		\$       \$		\$\overline\$	7,5 10,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7 72,0 200,2 106,5 45,5 2,4 232,5 27,5 7,6
8200.113       I         8200.149       I         8200.152       I         8200.152       I         8200.103       F         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.104       F         8200.104       F         8200.104       F         8200.104       F         8200.128       I         8200.128       I         8200.117       N         8200.128       I         8200.169       N         8200.170       N         8200.169       N         8200.164       S         8200.170       N         8200.124       E         8200.138       I         8200.138       I         8200.138       I         8200.138       I         8200.138       I         8200.136       F         8200.136       N         8200.136       N         8200.136       N         8200.136       N         8200.134       I	Damages/ROW: Legal, Title, Etc. Vell Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Fine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Dpen Hole Logging:	\$         \$ <td>7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157</td> <td>\$\$         \$\$&lt;</td> <td></td> <td>\$       \$</td> <td></td> <td>\$\$       <td< td=""><td>7,5 10,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7 72,0 200,2 106,5 45,5 2,4 232,5 27,5 7,6</td></td<></td>	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157	\$\$         \$\$<		\$       \$		\$\$       \$\$ <td< td=""><td>7,5 10,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7 72,0 200,2 106,5 45,5 2,4 232,5 27,5 7,6</td></td<>	7,5 10,5 102,6 71,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 43,7 72,0 200,2 106,5 45,5 2,4 232,5 27,5 7,6
8200.113       I         8200.149       I         8200.152       I         8200.152       I         8200.103       F         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.104       F         8200.104       F         8200.104       F         8200.104       F         8200.116       I         8200.128       I         8200.116       I         8200.117       N         8200.118       I         8200.119       N         8200.124       I         8200.124       I         8200.138       I         8200.138       I         8200.138       I         8200.138       I         8200.125       I         8200.127       I         8200.127       I         8200.136       I         8200.136       I         8200.136       I         8200.134       I         8200.135       I         8200.135       I	Damages/ROW: egal, Title, Etc. Well Control Insurance: location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud & Chemicals: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Dpen Hole Logging: Coring & Analysis: Solfety & Environmental:	\$         \$ <td>7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615 - 2,289</td> <td>\$\$         \$\$&lt;</td> <td></td> <td>\$       \$</td> <td></td> <td>\$\overline\$       \$\overline\$       \$\overline\$</td> <td>7,5 10,5 721,7 151,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 103,4 103,4 200,2 200,2 200,2 2,7 2,7 2,7 7,6 7,6 7,6 7,7 7,6 7,6 7,7 7,6 7,7 7,6 7,7 7,6 7,7 7,6 7,7 7,7</td>	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615 - 2,289	\$\$         \$\$<		\$       \$		\$\overline\$	7,5 10,5 721,7 151,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 103,4 103,4 200,2 200,2 200,2 2,7 2,7 2,7 7,6 7,6 7,6 7,7 7,6 7,6 7,7 7,6 7,7 7,6 7,7 7,6 7,7 7,6 7,7 7,7
8200.113       I         8200.149       I         8200.152       I         8200.103       F         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.102       I         8200.104       F         8200.104       F         8200.104       F         8200.104       F         8200.116       I         8200.128       I         8200.117       N         8200.116       I         8200.117       N         8200.119       N         8200.124       I         8200.124       I         8200.138       I         8200.146       N         8200.138       I         8200.146       I         8200.106       N         8200.127       I         8200.127       I         8200.143       I         8200.143       I         8200.143       I         8200.143       I         8200.134       I         8200.145       I	Damages/ROW: egal, Title, Etc. Well Control Insurance: location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Disposal: Disposal: Coring & Analysis: Safety & Environmental: Drilling Overhead:	\$         \$	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615	\$\$         \$\$<		\$       \$		\$\$       \$\$ <td< td=""><td>7,5 10,5 721,7 151,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 103,4 103,4 200,2 200,2 200,2 2,7 2,7 2,7 7,6 7,6 7,6 7,7 7,6 7,6 7,7 7,6 7,7 7,6 7,7 7,6 7,7 7,6 7,7 7,7</td></td<>	7,5 10,5 721,7 151,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,0 29,7 100,7 184,4 103,4 103,4 103,4 200,2 200,2 200,2 2,7 2,7 2,7 7,6 7,6 7,6 7,7 7,6 7,6 7,7 7,6 7,7 7,6 7,7 7,6 7,7 7,6 7,7 7,7
8200.113       I         8200.149       I         8200.152       X         8200.103       F         8200.102       I         8200.104       F         8200.104       F         8200.116       I         8200.128       I         8200.117       N         8200.128       I         8200.169       N         8200.169       N         8200.164       S         8200.164       S         8200.124       I         8200.138       I         8200.146       N         8200.138       I         8200.144       I         8200.125       I         8200.126       F         8200.127       I         8200.126       F         8200.136       I         8200.143       I         8200.134       I         8200.135       I	Damages/ROW: egal, Title, Etc. Well Control Insurance: location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud & Chemicals: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services: Cementing: Transportation: nspection/Testing: Company Supervision: Consulting Services: Contract Labor: Roustabout Services: Mudlogging: Geo-Steering: Dpen Hole Logging: Coring & Analysis: Solfety & Environmental:	\$         \$ <td>7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615 - 2,289</td> <td>\$\$         \$\$&lt;</td> <td></td> <td>\$       \$</td> <td></td> <td>\$\overline\$       \$\overline\$       \$\overline\$</td> <td>3,2         7,8         10,5         7,9         102,6         71,6         721,7         151,6         67,5         221,2         168,3         4,9         23,4         107,0         29,7         100,7         184,4         103,4         43,1         72,0         200,2         106,5         45,3         2,4         232,9         27,2         2,1         7,6         2,2         4,6</td>	7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615 - 2,289	\$\$         \$\$<		\$       \$		\$\overline\$	3,2         7,8         10,5         7,9         102,6         71,6         721,7         151,6         67,5         221,2         168,3         4,9         23,4         107,0         29,7         100,7         184,4         103,4         43,1         72,0         200,2         106,5         45,3         2,4         232,9         27,2         2,1         7,6         2,2         4,6

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#### AFE # NM0230 - Gravling 11 Fed Com #603H

Intangible Completion	on	\$ -	\$	5,566,861	\$ -	\$ 5,566,861
8300.205	Location & Roads:	\$ -	\$	5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$ -	\$	-	\$ -	\$ -
8300.243	Analysis	\$ -	\$	12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$ -	\$	1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$ -	\$	932,358	\$ -	\$ 932,358
8300.207	Water:	\$ -	\$	540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$ -	\$	82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$ -	\$	443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$ -	\$	110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$ -	\$	399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$ -	\$	700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$ -	\$	371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$ -	\$	18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$ -	\$	43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$ -	\$	28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$ -	\$	6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$ -	\$	200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$ -	\$	30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$ -	\$	1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$ -	\$	5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$ -	\$	39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$ -	\$	111,844	\$ -	\$ 111,844
8300.273	Flowback:	\$ -	\$	59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$ -	\$	15,542	\$ -	\$ 15,542
8300.225	Contingency:	\$ -	\$	-	\$ -	\$ - , -
ntangible Facilities		\$ -	\$	-	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$ -	\$	-	\$ -	\$ -
8350.402	Damages/ROW:	\$ -	\$	-	\$ -	\$ -
8350.403	Location, Roads:	\$ -	\$	-	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$ -	\$	-	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$ -	\$	-	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$ -	\$	-	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$ -	\$	-	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$ -	\$	-	\$ -	\$ ,
8350.410	Transportation:	\$ -	\$	-	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$ -	\$	-	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$ -	\$	-	\$ -	\$ ,
8350.413	Contingency:	\$ -	\$	-	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$ 2,836,867	Ŧ	5,566,861	\$ 353,282	\$ 8,757,011

TOTAL D&C&F COSTS >>>	\$ 3,839,091	\$ 5,867,351	\$ 1,508,788	\$ 11,215,229
TOTAL Dacar COSTS	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:

Ву:\_\_\_\_\_



#### Authority for Expenditure

AFE:	NM0231	Date:	June 28	8, 2023
Well Name:	Grayling 11 Fed Com #604H	Projected MD/	TVD:	20773 / 10450
Target:	Bone Springs	Spud to	o TD:	13.5 days
County:	Lea	Lateral Lei	ngth:	10,000
State:	NM	Sta	ages:	64
SHL:	Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppant (	(ppf):	2,500
BHL:	Sec: 14, T-19S, R-32E; FSL, 2178 FWL	Total Fluid (ga	al/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #604H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 20773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,839,091
COMPLETIONS:	\$5,867,351
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,215,229

#### **OPERATOR APPROVAL:**

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

### AFE # NM0231 - Grayling 11 Fed Com #604H

•

angible Drilling	TANGIBLE COSTS	<b>^</b>	Drilling		ompletion	*	Facilities	¢	Total
		\$	1,002,224	\$	-	\$	-	\$	1,002,22
8400.301	Surface Casing:	\$	64,871	\$	-	\$	-	\$	64,87
8400.302	Intermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,68
8400.302	Intermediate2 Casing:	\$	-	\$	-	\$	-	\$	
8400.303	Production Casing:	\$	635,769	\$		\$	_	\$	635,7
8400.340	Wellhead Equipment:	\$	56,903	\$		\$		\$	56,9
0400.340			50,905		-		-		50,9
		\$	-	\$	-	\$	-	\$	
ngible Completion	-	\$	-	\$	300,489	\$	-	\$	300,4
8400.308	Tubing:	\$	-	\$	151,552	\$	-	\$	151,5
8400.340	Wellhead Equip:	\$	-	\$	107,841	\$	-	\$	107,8
8400.312	Artificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,0
0100.012		\$		\$		\$		\$	,e
ngible Facility		\$	-	\$	-	φ \$	1,155,505	э \$	1,155,5
	Vessels:		•	-	-				
8400.341		\$	-	\$	-	\$	220,123	\$	220,1
8400.342	Tanks:	\$	-	\$	-	\$	101,017	\$	101,0
8400.343	Flare:	\$	-	\$	-	\$	28,281	\$	28,2
8400.344	Compressors:	\$	-	\$	-	\$	19,708	\$	19,7
8400.316	Pipe/Valves/Fittings:	\$	-	\$	_	\$	166,483	\$	166,4
8400.328	Instrumentation/Meters:	\$		\$		\$	51,285	\$	51,2
			-	-	-		51,205		51,2
8400.345	LACT Unit:	\$	-	\$	-	\$	-	\$	
8400.346	Electrical Facility:	\$	-	\$	-	\$	-	\$	
8400.347	Containment:	\$	-	\$	-	\$	27,245	\$	27,2
8400.348	Pump/Supplies:	\$	-	\$	-	\$	41,433	\$	41,4
8400.349	Pipelines:	\$		\$		\$	-1,-55	\$	<del>т</del> ,-
			-		-		-		
8400.315	Flowlines:	\$	-	\$	-	\$	-	\$	
8400.350	Instrument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,9
		\$	-	\$	-	\$	-	\$	
	OTAL TANGIBLE COSTS >>>	\$	1,002,224	\$	300,489	\$	1,155,505	\$	2,458,2
		Ŧ	.,	Ŧ	,	Ŧ	.,,	Ŧ	_,,_
	INTANGIBLE COSTS		Drilling	C	ompletion		Facilities		Total
tangible Drilling		\$	2,836,867	\$		\$	-	\$	2,836,8
	I								
0000 444	ISuniou Stake/Dermit			-	-				
8200.111	Survey, Stake/Permit:	\$	5,269	\$	-	\$	-	\$	5,2
8200.111 8200.113	Damages/ROW:		5,269 7,903	-	-	\$ \$	-		5,2
		\$	5,269	\$	- - -	\$	-	\$	5,2 7,9
8200.113 8200.149	Damages/ROW: Legal, Title, Etc.	\$ \$ \$	5,269 7,903 10,538	\$ \$	-	\$\$\$	-	\$ \$ \$	5,2 7,9 10,9
8200.113 8200.149 8200.152	Damages/ROW: Legal, Title, Etc. Well Control Insurance:	\$ \$ \$	5,269 7,903 10,538 7,903	\$ \$ \$	-	\$ \$ \$	- - -	\$ \$ \$	5,2 7,9 10,9 7,9
8200.113 8200.149 8200.152 8200.112	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:	\$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$	-	\$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6
8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,9 7,9 102,6 71,6
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,; 7,9 10,9 7,9 102,6 71,6 721,7
8200.113 8200.149 8200.152 8200.112 8200.103	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:	\$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,9 7,9 102,6 71,6 721,7
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,3 7,9 10,4 7,9 102,0 71,6 721,7 151,6
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,; 7,9 10,9 7,9 102,0 71,0 721,7 151,0 67,9
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - -		- - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,5 7,5 10,6 7,5 102,6 71,6 721,7 151,6 67,5 221,2
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - -	\$\lambda\$         \$\lambda\$ <t< td=""><td>- - - - - - - - - - - - -</td><td>\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$</td><td>5,2 7,9 10,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3</td></t<>	- - - - - - - - - - - - -	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	5,2 7,9 10,5 102,6 71,6 721,7 151,6 67,5 221,2 168,3
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986	\$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$	- - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - -	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	5,; 7,9 10,9 102,0 71,0 721,7 151,0 67,9 221,2 168,5 4,9
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332	\$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$	- - - - - - - -	\$\lambda\$         \$\lambda\$ <t< td=""><td>- - - - - - - - - - - - -</td><td>\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$</td><td>5,; 7,9 10,9 102,0 71,0 721,7 151,0 67,9 221,2 168,5 4,9</td></t<>	- - - - - - - - - - - - -	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	5,; 7,9 10,9 102,0 71,0 721,7 151,0 67,9 221,2 168,5 4,9
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458	\$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$       \$\$       \$\$       \$\$         \$\$	- - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - -	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	5,; 7,9 10,9 102,0 71,0 721,7 151,0 67,3 221,2 168,3 4,9 23,4
8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021	\$\$         \$\$<	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$       \$	5,; 7,9 102,6 7102,6 71,6 721,7 151,6 67,5 221,2 168,5 168,5 4,9 23,4 107,0
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749	\$\$         \$\$<	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,5 10,6 721,7 151,6 67,5 221,2 168,5 168,5 23,4 107,0 29,7
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734	\$\$         \$\$<	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,2 7,5 10,6 721,7 151,6 67,5 221,2 168,5 4,5 23,4 107,6 29,7 100,7
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Joiseel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734	\$\$         \$\$<	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,; 7,; 10,; 7,; 102,; 71,; 721,; 151,; 67,; 221,; 168,; 4,; 23,; 107,; 29,; 100,; 184,;
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734	\$\$         \$\$<	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,; 7,; 10,; 7,; 102,; 71,; 721,; 151,; 67,; 221,; 168,; 4,; 23,; 107,; 29,; 100,; 184,;
8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164 8200.158	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,; 7,; 10,; 7,; 102,; 71,; 721,; 151,; 67,; 221,; 168,; 4,; 23,; 107,; 29,; 100,; 184,; 103,;
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.119 8200.164 8200.158 8200.124 8200.146	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143	\$       \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,; 7,; 10,; 7,; 102,; 71,; 721,; 151,; 67,; 221,; 168,; 4,; 23,; 107,; 29,; 100,; 184,; 103,; 43,;
8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.169 8200.170 8200.119 8200.164 8200.158 8200.124 8200.146	Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp: Casing Services:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035	\$       \$	- - - - - - - - - - - - - - - - - - -	\$\$       \$\$ <td< td=""><td>- - - - - - - - - - - - - - - - - - -</td><td>\$\$         \$\$&lt;</td><td>5,; 7,; 10,; 7,; 102,; 71,; 721,; 151,; 67,; 221,; 168,; 4,; 23,; 107,; 29,; 100,; 184,; 103,; 43,; 72,;</td></td<>	- - - - - - - - - - - - - - - - - - -	\$\$         \$\$<	5,; 7,; 10,; 7,; 102,; 71,; 721,; 151,; 67,; 221,; 168,; 4,; 23,; 107,; 29,; 100,; 184,; 103,; 43,; 72,;
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#### AFE # NM0231 - Gravling 11 Fed Com #604H

r	·	-				
Intangible Completion	on	\$	-	\$ 5,566,861	\$ -	\$ 5,566,861
8300.205	Location & Roads:	\$	-	\$ 5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$	-	\$ -	\$ -	\$ -
8300.243	Analysis	\$	-	\$ 12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$	-	\$ 1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$	-	\$ 932,358	\$ -	\$ 932,358
8300.207	Water:	\$	-	\$ 540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$	-	\$ 82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$	-	\$ 443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$	-	\$ 110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$	-	\$ 399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$	-	\$ 700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$	-	\$ 371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$	-	\$ 18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$	-	\$ 43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$	-	\$ 28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$	-	\$ 6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$	-	\$ 200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$	-	\$ 30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$	-	\$ 1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$	-	\$ 5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$	-	\$ 39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$	-	\$ 111,844	\$ -	\$ 111,844
8300.273	Flowback:	\$	-	\$ 59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$	-	\$ 15,542	\$ -	\$ 15,542
8300.225	Contingency:	\$	-	\$ -	\$ -	\$ -
Intangible Facilities	• • •	\$	-	\$ -	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$	-	\$ -	\$ -	\$ -
8350.402	Damages/ROW:	\$	-	\$ -	\$ -	\$ -
8350.403	Location, Roads:	\$	-	\$ -	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$	-	\$ -	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$	-	\$ -	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$	-	\$ -	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$	-	\$ -	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$	-	\$ -	\$ 	\$ -
8350.410	Transportation:	\$	-	\$ -	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals:	\$	-	\$ -	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$	-	\$ -	\$ -	\$ -
8350.413	Contingency:	\$	-	\$ -	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$	2,836,867	\$ 5,566,861	\$ 353,282	\$ 8,757,011

TOTAL D&C&F COSTS >>>	\$ 3,839,091	\$ 5,867,351	\$ 1,508,788	\$ 11,215,229
TOTAL Dacar COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:

Ву:\_\_\_\_\_



#### Authority for Expenditure

AFE: NM0232	Date:	June 28, 2023
Well Name: Grayling 11 Fed Com #605H	Projected M	ID/TVD: 20773 / 10450
Target: Bone Springs	Spue	d to TD: 13.5 days
County: Lea	Lateral	Length: 10,000
State: NM		Stages: 64
SHL: Sec: 11, T-19S, R-32E; FNL, FWL	Total Proppar	nt (ppf): 2,500
BHL: Sec: 14, T-19S, R-32E; FSL, 1254 FWL	Total Fluid	(gal/ft): 3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #605H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 20773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,839,091
COMPLETIONS:	\$5,867,351
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,215,229

#### **OPERATOR APPROVAL:**

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

### AFE # NM0232 - Grayling 11 Fed Com #605H

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	TANGIBLE COSTS			Drilling	C	ompletion		Facilities		Total
angible Drilling			\$	1,002,224	\$	-	\$	-	\$	1,002,22
8400.301	Surface Casing:		\$	64,871	\$	-	\$	-	\$	64,87
8400.302	Intermediate1 Casing:		\$	244,681	\$	-	\$	-	\$	244,68
8400.302	Intermediate2 Casing:		\$	-	\$	-	\$	-	\$	
8400.303	Production Casing:		\$	635,769	\$	-	\$	-	\$	635,76
8400.340	Wellhead Equipment:		\$	56,903	\$	_	\$	-	\$	56,90
0100.010			\$		\$		\$	_	\$	00,00
Ingible Completion			<del>\$</del>	-	\$	300,489	\$	-	\$	300,48
8400.308	Tubing:		₽ \$		Ψ \$	151,552	Ψ \$		Ψ \$	151,5
8400.340	Wellhead Equip:		ջ \$	-	φ \$	107,841	φ \$	-	\$ \$	107,84
	Artificial Lift: Gas Lift			-				-		
8400.312	Artificial Lift: Gas Lift		\$	-	\$	41,096	\$	-	\$	41,09
			\$	-	\$	-	\$	-	\$	
angible Facility			\$	-	\$	-	\$	1,155,505	\$	1,155,50
8400.341	Vessels:		\$	-	\$	-	\$	220,123	\$	220,1
8400.342	Tanks:		\$	-	\$	-	\$	101,017	\$	101,0
8400.343	Flare:		\$	-	\$	-	\$	28,281	\$	28,2
8400.344	Compressors:		\$	-	\$	-	\$	19,708	\$	19,70
8400.316	Pipe/Valves/Fittings:		\$	-	\$	-	\$	166,483	\$	166,4
8400.328	Instrumentation/Meters:		\$	-	\$	-	\$	51,285	\$	51,2
8400.345	LACT Unit:		\$	-	\$	-	\$	-	\$	
8400.346	Electrical Facility:		\$	-	\$	_	\$	-	\$	
8400.347	Containment:		\$		\$		\$	27,245	\$	27,2
8400.348	Pump/Supplies:		\$		φ \$		φ \$	41,433	φ \$	41,4
8400.348	Pipelines:		ֆ \$	-	ֆ \$	-	ֆ \$	41,433	ֆ \$	41,4
				-		-		-	•	
8400.315	Flowlines:		\$	-	\$	-	\$	-	\$	
8400.350	Instrument/Electrical Panel:		\$	-	\$	-	\$	499,929	\$	499,9
			\$	-	\$	-	\$	-	\$	
7	OTAL TANGIBLE COST	TS >>>	\$	1,002,224	\$	300,489	\$	1,155,505	\$	2,458,21
	INTANGIBLE COSTS			Drilling	С	ompletion		Facilities		Total
				Drilling						
			\$	2,836,867	\$	-	\$	-	\$	2,836,8
8200.111	Survey, Stake/Permit:		<b>\$</b> \$	-	<b>\$</b> \$	-	<b>\$</b> \$	-	<b>\$</b> \$	<b>2,836,8</b>
	Survey, Stake/Permit: Damages/ROW:		· ·	2,836,867		-		-		<b>2,836,8</b>
8200.111	Survey, Stake/Permit:		\$	<b>2,836,867</b> 5,269	\$	-	\$		\$	<b>2,836,8</b> 5,2 7,9
8200.111 8200.113	Survey, Stake/Permit: Damages/ROW:		\$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538	\$ \$		\$ \$	-	\$ \$	<b>2,836,8</b> 5,2 7,9 10,5
8200.111 8200.113 8200.149	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc.		\$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903	\$ \$ \$	-	\$ \$ \$		\$	<b>2,836,8</b> 5,2 7,9 10,5 7,9
8200.111 8200.113 8200.149 8200.152	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location:		\$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$		\$ \$ \$ \$	- - - - - -	\$ \$ \$ \$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move:		\$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$	- - - - - -	\$\$ \$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796	\$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$	- - - - - - -		<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - -		<b>2,836,8</b> 4 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571	\$\$         \$\$<		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5
8200.111 8200.113 8200.149 8200.152 8200.112 8200.103 8200.102 8200.104 8200.116 8200.128	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - -	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332	\$\$       \$\$ <td< td=""><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>- - - - - - - - - - - - - - - - -</td><td>\$\$ \$\$ \$\$ \$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td><b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3</td></td<>		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - -	\$\$ \$\$ \$\$ \$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3
8200.111 8200.113 8200.149 8200.152 8200.103 8200.103 8200.102 8200.104 8200.116 8200.128 8200.117 8200.115	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,867</b> 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986	\$\$         \$\$<		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458	\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$         \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021	\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$         \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749	\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$         \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749	\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$         \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734	\$\$         \$\$<		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<b>2,836,8</b> 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7
8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.170 8200.119 8200.164	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,8 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4
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8200.111 8200.113 8200.149 8200.152 8200.103 8200.102 8200.104 8200.104 8200.104 8200.104 8200.116 8200.128 8200.117 8200.115 8200.169 8200.119 8200.164 8200.158 8200.124	Survey, Stake/Permit: Damages/ROW: Legal, Title, Etc. Well Control Insurance: Location: Rig Move: Drilling Daywork: Fuel/Power: Bits & BHA: Directional: Mud & Chemicals: Mud - Drill Water: Mud - Drill Water: Mud Brine: Mud - Diesel: Mud - Diesel: Mud - Auxiliary: Solids Control/Closed Loop: Disposal: Equipment Rental: Mancamp:		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,836,867 5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$       \$	2,836,8 5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1
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#### AFE # NM0232 - Gravling 11 Fed Com #605H

	·	-				
Intangible Completion	on	\$	-	\$ 5,566,861	\$ -	\$ 5,566,861
8300.205	Location & Roads:	\$	-	\$ 5,294	\$ -	\$ 5,294
8300.216	Cased Hole Logs & Surveys	\$	-	\$ -	\$ -	\$ -
8300.243	Analysis	\$	-	\$ 12,645	\$ -	\$ 12,645
8300.270	Stimulation:	\$	-	\$ 1,406,608	\$ -	\$ 1,406,608
8300.275	Proppant:	\$	-	\$ 932,358	\$ -	\$ 932,358
8300.207	Water:	\$	-	\$ 540,768	\$ -	\$ 540,768
8300.274	Water Transfer:	\$	-	\$ 82,673	\$ -	\$ 82,673
8300.266	Chemicals:	\$	-	\$ 443,277	\$ -	\$ 443,277
8300.209	Pump Down Services:	\$	-	\$ 110,117	\$ -	\$ 110,117
8300.214	Wireline/Perforating:	\$	-	\$ 399,556	\$ -	\$ 399,556
8300.203	Fuel, Power:	\$	-	\$ 700,280	\$ -	\$ 700,280
8300.210	Rental Equipment (Surface):	\$	-	\$ 371,475	\$ -	\$ 371,475
8300.277	Mancamp:	\$	-	\$ 18,815	\$ -	\$ 18,815
8300.250	Rental Equipment (Downhole):	\$	-	\$ 43,431	\$ -	\$ 43,431
8300.232	Disposal:	\$	-	\$ 28,704	\$ -	\$ 28,704
8300.276	Safety & Environmental:	\$	-	\$ 6,876	\$ -	\$ 6,876
8300.277	Consulting Services:	\$	-	\$ 200,739	\$ -	\$ 200,739
8300.212	Contract Labor:	\$	-	\$ 30,506	\$ -	\$ 30,506
8300.278	Roustabout Services:	\$	-	\$ 1,581	\$ -	\$ 1,581
8300.220	Company Supervision:	\$	-	\$ 5,058	\$ -	\$ 5,058
8300.230	Completions Rig:	\$	-	\$ 39,516	\$ -	\$ 39,516
8300.271	Coil Tubing Unit	\$	-	\$ 111,844	\$ -	\$ 111,844
8300.273	Flowback:	\$	-	\$ 59,201	\$ -	\$ 59,201
8300.229	Transportation:	\$	-	\$ 15,542	\$ -	\$ 15,542
8300.225	Contingency:	\$	-	\$ -	\$ -	\$ -
Intangible Facilities	• • •	\$	-	\$ -	\$ 353,282	\$ 353,282
8350.401	Title Work/Permit Fees:	\$	-	\$ -	\$ -	\$ -
8350.402	Damages/ROW:	\$	-	\$ -	\$ -	\$ -
8350.403	Location, Roads:	\$	-	\$ -	\$ 708	\$ 708
8350.405	Pipeline/Flowline Labor:	\$	-	\$ -	\$ -	\$ -
8350.406	Automation/Electrical Labor:	\$	-	\$ -	\$ -	\$ -
8350.407	Engineering/Technical Labor:	\$	-	\$ -	\$ 80,500	\$ 80,500
8350.408	Civil/Mechanical Labor:	\$	-	\$ -	\$ 163,933	\$ 163,933
8350.409	Commissioning Labor:	\$	-	\$ -	\$ -	\$ -
8350.410	Transportation:	\$	-	\$ -	\$ 22,154	\$ 22,154
8350.404	Equipment Rentals.	\$	-	\$ -	\$ 14,141	\$ 14,141
8350.411	Safety & Environmental:	\$	-	\$ -	\$ -	\$ -
8350.413	Contingency:	\$	-	\$ -	\$ 71,847	\$ 71,847
	DTAL INTANGIBLE COSTS >>>	\$	2,836,867	\$ 5,566,861	\$ 353,282	\$ 8,757,011

TOTAL D&C&F COSTS >>>	\$ 3,839,091	\$ 5,867,351	\$ 1,508,788	\$ 11,215,229
TOTAL Dacar COSTS >>>	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date:

Ву:\_\_\_\_\_



#### Authority for Expenditure

AFE: NN	10233	Date:	June 2	8, 2023
Well Name: Grayl	ing 11 Fed Com #606H	Projected MD	/TVD:	20773 / 10450
Target: Bone	Springs	Spud	to TD:	13.5 days
County: Lea		Lateral L	ength:	10,000
State: NM		S	tages:	64
SHL: Sec: 1	1, T-19S, R-32E; FNL, FWL	Total Proppant	(ppf):	2,500
BHL: Sec: 1	l4, T-19S, R-32E; FSL, 330 FWL	Total Fluid (g	gal/ft):	3,000

#### **PROJECT DESCRIPTION:**

The proposed AFE is for the Grayling 11 Fed Com #606H, a 2 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 3 string casing design consisting of the following: 17.5" surface hole drilled on Fresh to 1250' and 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Brine to 5600' and a split string of 9.625" 40# J-55 BTC and 9.625" 40# L-80 HC BTC casing will be set and cemented in place; 8.75" production hole will then be drilled on OBM to 20773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 10000' of treatable lateral and the completions design will consist of +/-64 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

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	TOTAL
DRILLING:	\$3,839,091
COMPLETIONS:	\$5,867,351
FACILITIES:	\$1,508,788
COMPLETED WELL COST:	\$11,215,229

#### **OPERATOR APPROVAL:**

Signature: Name:	Jacob Nagy	Date: Title:	Co-C.E.O.
Signature: Name:	Skyler Gary	Date: Title:	Co-C.E.O.
Signature: Name:	Pete Williams	Date: Title:	C.F.O.
Signature: Name:	Braden Harris	Date: Title:	S.V.P. Operations

### AFE # NM0233 - Grayling 11 Fed Com #606H

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	TANGIBLE COSTS		Drilling		ompletion		Facilities		Total
ngible Drilling		\$	1,002,224	\$	-	\$	-	\$	1,002,22
	Irface Casing:	\$	64,871	\$	-	\$	-	\$	64,87
8400.302 Int	ermediate1 Casing:	\$	244,681	\$	-	\$	-	\$	244,68
8400.302 Int	ermediate2 Casing:	\$	-	\$	-	\$	-	\$	
8400.303 Pr	oduction Casing:	\$	635,769	\$	-	\$	-	\$	635,76
8400.340 W	ellhead Equipment:	\$	56,903	\$	-	\$	-	\$	56,90
		\$	-	\$	-	\$	-	\$	
ngible Completion		\$		\$	300,489	\$	-	\$	300,48
	bing:	\$		₩ \$	151,552	Ψ \$		Ψ \$	151,55
	ellhead Equip:		-		107,841		-		
		\$	-	\$		\$	-	\$	107,84
8400.312 Ar	tificial Lift: Gas Lift	\$	-	\$	41,096	\$	-	\$	41,09
		\$	-	\$	-	\$	-	\$	
ngible Facility		\$	-	\$	-	\$	1,155,505	\$	1,155,50
8400.341 Ve	essels:	\$	-	\$	-	\$	220,123	\$	220,12
8400.342 Ta	nks:	\$	-	\$	-	\$	101,017	\$	101,0
8400.343 Fla	are:	\$	-	\$	-	\$	28,281	\$	28,2
	ompressors:	\$	-	\$	-	\$	19,708	\$	19,70
	pe/Valves/Fittings:	\$		\$		\$	166,483	\$	166,4
	strumentation/Meters:	\$		\$		φ \$	51,285	\$	51,2
		· ·	-		-		51,205		51,2
	CT Unit:	\$	-	\$	-	\$	-	\$	
	ectrical Facility:	\$	-	\$	-	\$	-	\$	
	ontainment:	\$	-	\$	-	\$	27,245	\$	27,2
8400.348 Pu	Imp/Supplies:	\$	-	\$	-	\$	41,433	\$	41,4
8400.349 Pi	pelines:	\$	-	\$	-	\$	-	\$	
8400.315 Flo	owlines:	\$	-	\$	-	\$	-	\$	
8400.350 Ins	strument/Electrical Panel:	\$	-	\$	-	\$	499,929	\$	499,9
		\$	_	\$	-	\$	-	\$	,.
TO1	AL TANGIBLE COSTS >>>	,	1,002,224	\$	300,489	,	1,155,505	\$	2 450 24
101	AL TANGIDEL COSTS >>>	φ	1,002,224	φ	300,409	φ	1,155,505	φ	2,458,21
	INTANGIBLE COSTS	1	Drilling	C	ompletion		Facilities		Total
angible Drilling		-	-	\$		\$	-	\$	2,836,80
		5							
	Invev Stake/Permit	\$	2,836,867	-	-				
8200.111 Su	rvey, Stake/Permit:	\$	5,269	\$	-	\$	-	\$	5,2
8200.111 Su 8200.113 Da	amages/ROW:	\$ \$	5,269 7,903	\$ \$	-	\$ \$	-	\$ \$	5,2 7,9
8200.111 Su 8200.113 Da 8200.149 Le	amages/ROW: gal, Title, Etc.	\$ \$ \$	5,269 7,903 10,538	\$ \$ \$	-	\$ \$ \$	-	\$ \$ \$	5,2 7,9 10,5
8200.111 Su 8200.113 Da 8200.149 Le 8200.152 W	amages/ROW: gal, Title, Etc. ell Control Insurance:	\$ \$ \$ \$	5,269 7,903 10,538 7,903	\$ \$ \$ \$	-	\$ \$ \$		· • • • • •	5,2 7,9 10,5 7,9
8200.111 Su 8200.113 Da 8200.149 Le 8200.152 W 8200.112 Lo	amages/ROW: gal, Title, Etc. ell Control Insurance: cation:	\$ \$ \$	5,269 7,903 10,538 7,903 102,606	\$ \$ \$		\$ \$ \$		\$ \$ \$	5,2 7,9 10,5 7,9
8200.111 Su 8200.113 Da 8200.149 Le 8200.152 W 8200.112 Lo 8200.103 Riv	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move:	\$ \$ \$ \$	5,269 7,903 10,538 7,903	\$ \$ \$ \$		\$ \$ \$		· • • • • •	5,2 7,9 10,5 7,9 102,6 71,6
8200.111 Su 8200.113 Da 8200.149 Le 8200.152 W 8200.112 Lo 8200.103 Riv	amages/ROW: gal, Title, Etc. ell Control Insurance: cation:	\$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606	\$ \$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6
8200.111 Su 8200.113 Da 8200.149 Le 8200.152 W 8200.112 Lo 8200.103 Ri 8200.102 Dr	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move:	\$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655	\$ \$ \$ \$ \$		\$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 721,7
8200.111 Su 8200.113 Da 8200.149 Le 8200.152 W 8200.112 Lo 8200.103 Ri 8200.102 Dr 8200.104 Fu	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: iel/Power:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$			5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.112         Lo           8200.103         Riv           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Bit	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: is & BHA:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5
8200.111         SL           8200.113         Da           8200.149         Le           8200.152         W           8200.112         Lo           8200.103         Rig           8200.102         Dr           8200.104         Fu           8200.105         Bit           8200.104         Fu           8200.105         Dir	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: is & BHA: rectional:	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         Lo           8200.103         Rig           8200.103         Rig           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Buil           8200.116         Buil           8200.128         Du           8200.117         Mu	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: ts & BHA: rectional: ud & Chemicals:	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.103         Rig           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.105         Bit           8200.116         Bit           8200.128         Dit           8200.117         Mu           8200.115         Mu	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: ss & BHA: rectional: ud & Chemicals: ud - Drill Water:	\$     \$       \$     \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$\$\$\$\$         \$\$\$\$\$\$         \$\$\$\$\$\$\$\$\$\$         \$         \$	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.103         Rig           8200.103         Rig           8200.102         Dr           8200.104         Fu           8200.105         Bit           8200.116         Bit           8200.128         Dit           8200.117         Mu           8200.115         Mu           8200.169         Mu	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: ts & BHA: rectional: ud & Chemicals: ud - Drill Water: ud Brine:	\$\$         \$\$<	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		•         •	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.103         Rig           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.105         Bin           8200.116         Bin           8200.117         Mu           8200.115         Mu           8200.169         Mu           8200.170         Mu	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: ts & BHA: rectional: ud & Chemicals: ud - Drill Water: ud Brine: ud - Diesel:	\$     \$       \$     \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$         \$\$\$\$\$\$\$\$\$\$         \$\$\$\$\$\$         \$\$\$\$\$\$\$\$\$\$         \$         \$	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.103         Rig           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.105         Bin           8200.116         Bin           8200.117         Mu           8200.115         Mu           8200.169         Mu           8200.170         Mu	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: ts & BHA: rectional: ud & Chemicals: ud - Drill Water: ud Brine:	\$\$         \$\$<	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		•         •	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.102         Dr           8200.104         Fu           8200.105         Mu           8200.104         Fu           8200.105         Dii           8200.104         Bui           8200.104         Bui           8200.117         Mu           8200.115         Mu           8200.169         Mu           8200.170         Mu           8200.119         Mu	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: ts & BHA: rectional: ud & Chemicals: ud - Drill Water: ud Brine: ud - Diesel:	\$\$         \$\$<	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.116         Bit           8200.117         Mu           8200.115         Mu           8200.169         Mu           8200.170         Mu           8200.119         Mu           8200.164         Sc	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: ts & BHA: rectional: ud & Chemicals: ud - Drill Water: ud Brine: ud - Diesel: ud - Auxiliary: lidis Control/Closed Loop:	\$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$\$         \$\$\$         \$\$\$         \$\$\$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734	\$       \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$ <t< td=""><td>5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7</td></t<>	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.103         Rig           8200.104         Lo           8200.102         Dr           8200.104         Fu           8200.105         Mu           8200.104         Fu           8200.105         Mu           8200.116         Bit           8200.117         Mu           8200.115         Mu           8200.119         Mu           8200.119         Mu           8200.119         Mu           8200.164         Sc           8200.158         Dis	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: iel/Power: ts & BHA: rectional: ud & Chemicals: ud - Drill Water: ud Brine: ud - Diesel: ud - Joisel: ud - Auxiliary: blids Control/Closed Loop: sposal:	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.105         Di           8200.108         Di           8200.117         Mu           8200.115         Mu           8200.169         Mu           8200.119         Mu           8200.164         Sc           8200.158         Di           8200.124         Ec	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: ts & BHA: rectional: ud & Chemicals: ud & Chemicals: ud & Chemicals: ud - Drill Water: ud Brine: ud - Diesel: ud - Diesel: ud - Auxiliary: blids Control/Closed Loop: sposal: uppment Rental:	\$\$         \$\$<	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.105         Mu           8200.116         Bit           8200.117         Mu           8200.115         Mu           8200.169         Mu           8200.119         Mu           8200.124         Eo           8200.158         Di           8200.124         Eo	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: liling Daywork: l	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S           S         S	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.105         Di           8200.116         Bit           8200.117         Mu           8200.119         Mu           8200.119         Mu           8200.119         Mu           8200.124         Sc           8200.124         Ec           8200.124         Ec           8200.137         Ca	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: lids Control/Closed Loop: sposal: upment Rental: ancamp: asing Services:	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	\$         \$	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.105         Di           8200.116         Bit           8200.117         Mu           8200.119         Mu           8200.169         Mu           8200.170         Mu           8200.18         Di           8200.124         Ec           8200.124         Ec           8200.137         Ca           8200.138         Ce	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: lids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing:	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -	S         S           S         S	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Bit           8200.104         Bit           8200.117         Mu           8200.118         Mu           8200.119         Mu           8200.164         Sc           8200.158         Di           8200.124         Ec           8200.137         Ca           8200.138         Ce           8200.138         Ce           8200.106         Tr	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: lids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing: ansportation:	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		•         •	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Bit           8200.105         Mu           8200.116         Bit           8200.117         Mu           8200.116         Bit           8200.117         Mu           8200.119         Mu           8200.119         Mu           8200.119         Mu           8200.128         Dia           8200.124         Ec           8200.125         Dia           8200.137         Ca           8200.138         Ce           8200.125         Ins	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: blids Control/Closed Loop: sposal: upment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing:	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		S         S           S         S	5,2 7,9 10,5 7,9 102,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.116         Bit           8200.117         Mu           8200.119         Mu           8200.169         Mu           8200.119         Mu           8200.125         Di           8200.124         Ec           8200.137         Ca           8200.138         Ca           8200.125         Ins           8200.125         Ins           8200.125         Ins	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: lids Control/Closed Loop: sposal: uupment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision:	S         S	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		•         •	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.116         Bit           8200.117         Mu           8200.119         Mu           8200.169         Mu           8200.119         Mu           8200.128         Dia           8200.146         Sc           8200.158         Dia           8200.124         Ec           8200.137         Ca           8200.138         Ca           8200.125         Ins           8200.125         Ins           8200.125         Ins	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: blids Control/Closed Loop: sposal: upment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing:	\$         \$	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$       \$		·         ·	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Bit           8200.104         Bit           8200.118         Dit           8200.119         Mu           8200.119         Mu           8200.164         Sc           8200.158         Dit           8200.124         Ec           8200.137         Ca           8200.138         Ce           8200.138         Ce           8200.125         Ins           8200.125         Ins           8200.125         Ins           8200.107         Co	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: lids Control/Closed Loop: sposal: uupment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision:	S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965	\$\$         \$\$<		\$       \$		S         S	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4 232,9
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.105         Mu           8200.117         Mu           8200.169         Mu           8200.169         Mu           8200.164         Sc           8200.158         Di           8200.124         Ec           8200.137         Ca           8200.138         Ce           8200.138         Ce           8200.125         Ins           8200.125         Ins           8200.127         Cu	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud & Chemicals: ud - Drill Water: ud & Chemicals: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: blids Control/Closed Loop: sposal: upment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision: onsulting Services:	S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S           S         S         S         S	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283	\$\$         \$\$<		\$       \$		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4 232,9 27,2
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.105         Mu           8200.117         Mu           8200.119         Mu           8200.169         Mu           8200.170         Mu           8200.164         Sc           8200.158         Di           8200.124         Ec           8200.137         Ca           8200.138         Ce           8200.138         Ce           8200.125         Ins           8200.125         Ins           8200.127         Ca           8200.127         Ca           8200.128         Ro	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud & Chemicals: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: lids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision: onsulting Services: ontract Labor: oustabout Services:	S         S           S         S	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965	\$         \$		\$         \$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4 232,9</td></td<>		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4 232,9
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Bit           8200.117         Mu           8200.118         Dit           8200.119         Mu           8200.169         Mu           8200.170         Mu           8200.188         Dit           8200.19         Mu           8200.124         Ec           8200.138         Ce           8200.138         Ce           8200.138         Ce           8200.125         Ins           8200.125         Ins           8200.127         Cc           8200.127         Cc           8200.126         Rc           8200.136         Mu	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud & Chemicals: ud - Drill Water: ud & Chemicals: ud - Diesel: ud - Diesel: ud - Auxiliary: lids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision: onsulting Services: udlogging:	S         S           S         S	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157	\$         \$		\$         \$ <td< td=""><td></td><td>\$\$         \$\$&lt;</td><td>5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4 232,9 27,2 2,1</td></td<>		\$\$         \$\$<	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4 232,9 27,2 2,1
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Bit           8200.116         Bit           8200.117         Mu           8200.116         Bit           8200.117         Mu           8200.118         Dit           8200.119         Mu           8200.169         Mu           8200.170         Mu           8200.188         Dit           8200.124         Ec           8200.138         Ce           8200.138         Ce           8200.138         Ce           8200.125         Ins           8200.126         Tr           8200.127         Cc           8200.127         Cc           8200.136         Mu           8200.143         Ge	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: iel/Power: is & BHA: rectional: ud & Chemicals: ud & Chemicals: ud - Drill Water: ud & Chemicals: ud - Diesel: ud - Diesel: ud - Diesel: ud - Auxiliary: lids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision: onsulting Services: udlogging: co-Steering:	S         S           S         S	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283	\$\$         \$\$<		\$       \$		S         S           S         S	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4 232,9 27,2 2,1
8200.111         Su           8200.113         Da           8200.149         Le           8200.149         Le           8200.152         W           8200.112         Lo           8200.113         Rig           8200.103         Rig           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.116         Bit           8200.117         Mu           8200.118         Dit           8200.119         Mu           8200.169         Mu           8200.170         Mu           8200.188         Dit           8200.19         Mu           8200.124         Ec           8200.138         Ce           8200.138         Ce           8200.138         Ce           8200.125         Ins           8200.126         Tr           8200.127         Cc           8200.127         Cc           8200.136         Mu           8200.136         Mu           8200.134         Ge           8200	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: lel/Power: is & BHA: rectional: ud & Chemicals: ud & Chemicals: ud - Drill Water: ud - Diesel: ud - Diesel: ud - Auxiliary: lids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision: onsulting Services: udlogging: ao-Steering: pen Hole Logging: ben Hole Logging:	S         S           S         S	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157	\$\$         \$\$<		\$       \$		S         S	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4 232,9 27,2 2,1
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.102         Dr           8200.102         Dr           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.105         Mu           8200.117         Mu           8200.128         Dii           8200.129         Mu           8200.169         Mu           8200.169         Mu           8200.164         Sc           8200.158         Dii           8200.124         Ec           8200.137         Ca           8200.138         Ce           8200.138         Ce           8200.138         Ce           8200.125         Ins           8200.126         Rc           8200.127         Cc           8200.136         Mu           8200.136         Mu           8200.136         Mu           8200.1	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud & Chemicals: ud - Diesel: ud - Diesel: ud - Diesel: ud - Auxiliary: bids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision: onsulting Services: ontract Labor: pustabout Services: udlogging: ao-Steering: oring & Analysis:	S       S       S         S       S       S     <	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615	\$\$         \$\$<		\$       \$		·         ·	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 103,4 43,1 72,0 200,2 106,5 3 45,3 2,4 232,9 27,2 2,1
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.102         Dr           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.105         Mu           8200.116         Bit           8200.128         Dit           8200.117         Mu           8200.128         Dit           8200.169         Mu           8200.169         Mu           8200.169         Mu           8200.164         Sc           8200.170         Mu           8200.188         Dit           8200.124         Ecc           8200.138         Cec           8200.138         Cec           8200.138         Cec           8200.136         Tr           8200.127         Cc           8200.136         Mu           8200.136         Mu           8200.136         Mu           8	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: is & BHA: rectional: ud & Chemicals: ud & Chemicals: ud - Drill Water: ud & Chemicals: ud - Diesel: ud - Diesel: ud - Diesel: ud - Auxiliary: blids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision: onsulting Services: ontract Labor: pustabout Services: udlogging: eo-Steering: oen Hole Logging: oring & Analysis: ifety & Environmental:	S       S         S	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615 - 2,289	\$\$         \$\$<		\$       \$		S         S	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 103,4 103,4 232,9 27,2 2106,5 45,3 2,4 232,9 27,2 2,1
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.102         Dr           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.104         Fu           8200.116         Bit           8200.128         Dit           8200.119         Mu           8200.169         Mu           8200.169         Mu           8200.164         Sc           8200.170         Mu           8200.185         Dit           8200.124         Ecc           8200.138         Cec           8200.138         Cec           8200.138         Cec           8200.136         Tr           8200.127         Cc           8200.136         Mu           8200.136         Mu           8200.136         Mu           82	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: is & BHA: rectional: ud & Chemicals: ud - Drill Water: ud & Chemicals: ud - Diesel: ud - Diesel: ud - Diesel: ud - Auxiliary: bids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision: onsulting Services: ontract Labor: pustabout Services: udlogging: ao-Steering: oring & Analysis:	S       S       S         S       S       S     <	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615	\$\$         \$\$<		\$       \$		·         ·	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 43,1 72,0 200,2 106,5 45,3 2,4 232,9 27,2
8200.111         Su           8200.113         Da           8200.149         Le           8200.152         W           8200.152         W           8200.112         Lo           8200.103         Rig           8200.102         Dr           8200.102         Dr           8200.104         Fu           8200.102         Dr           8200.104         Fu           8200.105         Mu           8200.117         Mu           8200.128         Dii           8200.128         Dii           8200.129         Mu           8200.169         Mu           8200.170         Mu           8200.169         Mu           8200.170         Mu           8200.180         Dii           8200.124         Ecc           8200.125         Ins           8200.136         Cc           8200.137         Cc           8200.144         Cc           8200.125         Ins           8200.136         Mu           8200.136         Mu           8200.143         Ge           820	amages/ROW: gal, Title, Etc. ell Control Insurance: cation: g Move: illing Daywork: el/Power: is & BHA: rectional: ud & Chemicals: ud & Chemicals: ud - Drill Water: ud & Chemicals: ud - Diesel: ud - Diesel: ud - Diesel: ud - Auxiliary: blids Control/Closed Loop: sposal: uppment Rental: ancamp: asing Services: ementing: ansportation: spection/Testing: ompany Supervision: onsulting Services: ontract Labor: pustabout Services: udlogging: eo-Steering: oen Hole Logging: oring & Analysis: ifety & Environmental:	S       S         S	5,269 7,903 10,538 7,903 102,606 71,655 721,796 151,676 67,571 221,249 168,332 4,986 23,458 107,021 29,749 100,734 184,431 103,438 43,143 72,035 200,213 106,501 45,311 2,400 232,965 27,283 2,157 - 7,615 - 2,289	\$\$         \$\$<		\$       \$		S         S	5,2 7,9 10,5 7,9 102,6 71,6 721,7 151,6 67,5 221,2 168,3 4,9 23,4 107,0 29,7 100,7 184,4 103,4 103,4 103,4 232,9 27,2 2,1 7,6 7,6

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#### AFE # NM0233 - Gravling 11 Fed Com #606H

Intangible Completion	on	\$ -	\$	5,566,861	\$ -	- \$ 5,566,861	
8300.205	Location & Roads:	\$ -	\$	5,294	\$ -	\$	5,294
8300.216	Cased Hole Logs & Surveys	\$ -	\$	-	\$ -	\$	-
8300.243	Analysis	\$ -	\$	12,645	\$ -	\$	12,645
8300.270	Stimulation:	\$ -	\$	1,406,608	\$ -	\$	1,406,608
8300.275	Proppant:	\$ -	\$	932,358	\$ -	\$	932,358
8300.207	Water:	\$ -	\$	540,768	\$ -	\$	540,768
8300.274	Water Transfer:	\$ -	\$	82,673	\$ -	\$	82,673
8300.266	Chemicals:	\$ -	\$	443,277	\$ -	\$	443,277
8300.209	Pump Down Services:	\$ -	\$	110,117	\$ -	\$	110,117
8300.214	Wireline/Perforating:	\$ -	\$	399,556	\$ -	\$	399,556
8300.203	Fuel, Power:	\$ -	\$	700,280	\$ -	\$	700,280
8300.210	Rental Equipment (Surface):	\$ -	\$	371,475	\$ -	\$	371,475
8300.277	Mancamp:	\$ -	\$	18,815	\$ -	\$	18,815
8300.250	Rental Equipment (Downhole):	\$ -	\$	43,431	\$ -	\$	43,431
8300.232	Disposal:	\$ -	\$	28,704	\$ -	\$	28,704
8300.276	Safety & Environmental:	\$ -	\$	6,876	\$ -	\$	6,876
8300.277	Consulting Services:	\$ -	\$	200,739	\$ -	\$	200,739
8300.212	Contract Labor:	\$ -	\$	30,506	\$ -	\$	30,506
8300.278	Roustabout Services:	\$ -	\$	1,581	\$ -	\$	1,581
8300.220	Company Supervision:	\$ -	\$	5,058	\$ -	\$	5,058
8300.230	Completions Rig:	\$ -	\$	39,516	\$ -	\$	39,516
8300.271	Coil Tubing Unit	\$ -	\$	111,844	\$ -	\$	111,844
8300.273	Flowback:	\$ -	\$	59,201	\$ -	\$	59,201
8300.229	Transportation:	\$ -	\$	15,542	\$ -	\$	15,542
8300.225	Contingency:	\$ -	\$	-	\$ -	\$	-
ntangible Facilities	, , ,	\$ -	\$	-	\$ 353,282	\$	353,282
8350.401	Title Work/Permit Fees:	\$ -	\$	-	\$ -	\$	-
8350.402	Damages/ROW:	\$ -	\$	-	\$ -	\$	-
8350.403	Location, Roads:	\$ -	\$	-	\$ 708	\$	708
8350.405	Pipeline/Flowline Labor:	\$ -	\$	-	\$ -	\$	-
8350.406	Automation/Electrical Labor:	\$ -	\$	-	\$ -	\$	-
8350.407	Engineering/Technical Labor:	\$ -	\$	-	\$ 80,500	\$	80,500
8350.408	Civil/Mechanical Labor:	\$ -	\$	-	\$ 163,933	\$	163,933
8350.409	Commissioning Labor:	\$ -	\$	-	\$ -	\$	-
8350.410	Transportation:	\$ -	\$	-	\$ 22,154	\$	22,154
8350.404	Equipment Rentals:	\$ -	\$	-	\$ 14,141	\$	14,141
8350.411	Safety & Environmental:	\$ -	\$	-	\$ -	\$	
8350.413	Contingency:	\$ -	\$	-	\$ 71,847	\$	71,847
TOTAL INTANGIBLE COSTS >>>		\$ 2,836,867	¢	5,566,861	\$ 353,282	\$	8,757,011

TOTAL D&C&F COSTS >>>	\$ 3,839,091	\$ 5,867,351	\$ 1,508,788	\$ 11,215,229
TOTAL Dacar COSTS	Drilling	Completion	Facilities	Total

This Authority For Expenditure is based on cost estimates only. Billing will reflect your proportionate share of the actual invoice costs.

JOINT INTEREST APPROVAL:

Company: \_\_\_\_\_ Working Interest: \_\_\_\_\_

Signature:

Date: \_\_\_\_\_

Ву:\_\_\_\_\_

# SUMMARY OF AVANT CONTACT WITH APA (1 OF 2)

- 6/1/23 AO to APA: Chris Leyendecker ("CL") reached out to Blake Johnson ("BJ") to inquire about possible acquisition of APA assets in 19S-32E: Secs 11&14 amongst other lands
- 6/19/23 AO to APA: CL followed up with BJ after no response. BJ introduces Leslie Mullins ("LM"), the APA landman over that area
- 6/20/23 APA to AO: LM expresses no desire to sell assets, states intent for operated development, and asks if AO willing to trade out of Grayling/Dustbowl. CL expresses AO's desire to operate, but willingness to have constructive trade conversations if APA can deliver comparable economic operated acreage to AO
- 6/21/23 AO to APA: CL asks for APA ownership in various townships to potentially deliver to AO in exchange for AO Grayling leasehold. LM delivers the requested APA ownership. Upon receipt it becomes apparent, APA does not own enough to constitute an equitable trade
- 7/6/23 AO to APA: CL provides alternative proposal and a request for APA ownership in other lands. LM acknowledges receipt and plans to review
- 7/11/23 APA to AO: LM provides APA ownership which is materially less than needed for an equitable trade
- 7/12/23 AO to APA: CL proposes to include APA ownership in entirely new sections. Upon LM providing APA ownership information on various requested sections, it is apparent APA owns significantly less than is needed for an equitable trade
- 7/18/23 APA to AO: LM provides alternative acreage, which is significantly less than is needed for an equitable trade
- 7/20/23 AO to APA: AO proposes an equitable alternative



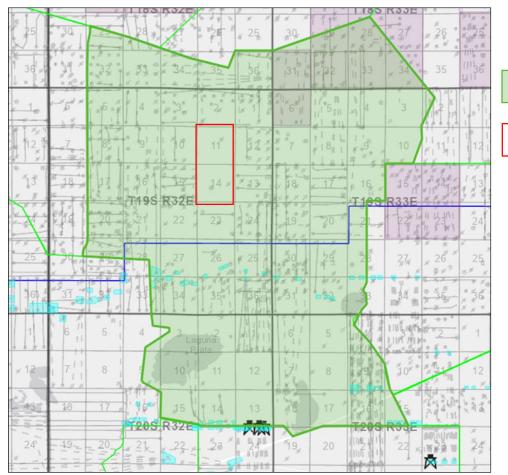
# SUMMARY OF AVANT CONTACT WITH APA (2 OF 2)

- 7/25/23 APA to AO: LM confirms APA will evaluate
- 8/17/23 APA to AO: LM is still waiting on internal economics for review from internal planning
- 9/21/23 APA to AO: LM rejects AO trade proposal, and instead provides alternative that is inequitable to AO's Grayling acreage
- 9/22/23 AO to APA: CL proposes another potentially equitable alternative. LM provides APA ownership which is significantly less than is needed for an equitable trade
- 10/26/23 APA to AO: LM provides alternative suggestion that is far from an equitable trade. As a result, CL rejects APA trade proposal
- 12/6/23 AO to APA: CL proposes another potentially equitable alternative
- 12/7/23 APA to AO: LM evaluates alternative acreage, but expresses complexity to APA ownership, eliminating possibility
- 1/18/24 APA to AO: LM acknowledges receipt of AO objection to Case No. 24141
- 4/11/24 BJ and CL phone call to discuss, AO expresses openness to alternative solution but intent to move forward with hearing given the lack of equitable solutions proposed by APA. AO proposes a potential E2/W2 unit split, whereby APA would operate ½ of the proposed unit and AO would operate the other half. APA immediately declines and is unwilling to entertain any type of transaction in which APA would not operate the entire proposed Grayling/Dustbowl unit
- 4/29/24 BJ and CL phone call. No change in either party's sentiment toward operating, both acknowledge likely contested hearing



# **RELATIONSHIP WITH GRAZING RIGHTS OWNERS**

### Avant has an established relationship with all grazing rights owners



Laguna Tonto Allotment Boundary

Avant Proposed Grayling Unit

Established relationship with Section 11 and 14 grazing owner and surrounding area

• Surface Use Agreement in place with owner since September 1, 2022



Avant Operating, LLC Case No. 24254 Released to Imaging: 6/3/2024 4:04:42 PMExhibit A-26

# EXHIBIT B and Sub-Exhibits





AVANT OPERATING, LLC - GRAYLING 14 FED COM 31

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

#### APPLICATION OF APACHE CORPORATION FOR APPROVAL OF A NON-STANDARD HORIZONTAL WELL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No. 24141

#### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

#### SELF-AFFIRMED STATEMENT OF JOHN HARPER

1. I am employed by Avant Operating, LLC ("Avant") as Senior Vice President of Assets and Exploration. I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division") and my credentials as an expert in petroleum geology were accepted and made a matter of record. A copy of my resume is attached as **Exhibit B-1**.

2. I am familiar with the geological matters that pertain to the above-referenced cases.

#### A. Avant's Proposed Grayling Development

3. **Exhibit B-2** is a regional locator map that identifies the location of the Grayling Project Area in relation to the Capitan Reef, San Simon Channel, and Northwest Shelf.

4. **Exhibit B-3** is a stress orientation map, which shows that the stress orientation in this area is approximately east-northeast and demonstrates a north-south horizontal development is optimal.

Avant Operating, LLC Case No. 24254 Exhibit B

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5. **Exhibit B-4** includes a type log and gun barrel development plan that shows Avant's proposed Grayling wells within the Bone Spring Formation. As shown on the exhibit, Avant proposes to drill and complete six initial wells in the First, Second, and Third Bone Spring, for a total of 18 wells.

6. **Exhibit B-5** includes a type log and gun barrel development plan that shows Apache's proposed development within the Bone Spring Formation. As shown on the exhibit, Apache proposes to drill and complete a total of eight wells – four in the First Bone Spring and four in the Second Bone Spring.

#### **B.** Grayling First Bone Spring Wells

7. **Exhibit B-6** is a stratigraphic cross-section from A to A' using the representative wells identified in the cross section location map shown on the exhibit. It contains gamma ray, resistivity, and porosity logs. The cross section is oriented from south to north and is hung on the top of the First Bone Spring formation. The proposed landing zones for the Grayling Federal Com 301H through 306H Wells are labeled on the exhibit. The approximate well-paths for the proposed wells is indicated by a dashed line to be drilled from south to north across the units. This cross-section demonstrates the target interval is continuous across the Unit.

8. **Exhibit B-7** is a map that shows First Bone Spring activity in this area highlighted in light blue sticks. Avant's acreage is shown in yellow. The map identifies Avant's producing Cutbow unit to the South in Sections 36 and 1, which is spaced at six wells per section. The Map also identifies Earthstone's Diamondback 003H & 004H wells that are spaced at 4 wells per section.

9. **Exhibit B-8** is a First Bone Spring structure map in TVD subsea with a contour interval of 50 ft. The map demonstrates the formation is gently dipping to the east-southeast in this

area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells.

10. **Exhibit B-9** includes First Bone Spring isopach and pay maps. The isopach map has a contour interval of 10 feet and shows that the First Bone Spring sand is relatively consistent in thickness across this unit. The pay map is based on net footage of reservoir within the First Bone Spring sand that has a density porosity greater than 6%. The contour interval is 25 feet and shows that the reservoir quality is high and consistent across the unit.

#### C. Grayling Second Bone Spring Wells

11. **Exhibit B-10** is a stratigraphic cross-section from A to A' using the representative wells identified in the cross section location map shown on the exhibit. It contains gamma ray, resistivity, and porosity logs. The cross section is oriented from south to north and is hung on the base of the Second Bone Spring Sand. The proposed landing zones for the Grayling Federal Com 501H through 506H Wells are labeled on the exhibit. The approximate well-paths for the proposed wells is indicated by a dashed line to be drilled from south to north across the units. This cross-section demonstrates the target interval is continuous across the Unit.

12. **Exhibit B-11** is a map that shows Second Bone Spring activity in this area highlighted in brown sticks. Avant's acreage is shown in yellow.

13. **Exhibit B-12** is a Second Bone Spring structure map in TVD subsea with a contour interval of 50 ft. The map demonstrates the formation is gently dipping to the east-southeast in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells.

14. **Exhibit B-13** includes Second Bone Spring isopach and pay maps. The isopach map has a contour interval of 25 feet and shows that the Second Bone Spring sand is relatively

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consistent in thickness across this unit. The pay map is based on net footage of the reservoir within the Second Bone Spring sand that has a density porosity greater than 6%. The contour interval is 25 feet and shows that the reservoir quality thins slightly to the north.

#### **D.** Grayling Third Bone Spring Wells

15. **Exhibit B-14** is a stratigraphic cross-section from A to A' using the representative wells identified in the cross section location map shown on the exhibit. It contains gamma ray, resistivity, and porosity logs. The cross section is oriented from south to north and is hung on the top of the Third Bone Spring formation. The proposed landing zones for the Grayling Federal Com 601H through 606H Wells are labeled on the exhibit. The approximate well-paths for the proposed wells is indicated by a dashed line to be drilled from south to north across the units. This cross-section demonstrates the target interval is continuous across the Unit.

16. **Exhibit B-15** is a map that shows Third Bone Spring activity in this area highlighted in orange sticks. Avant's acreage is shown in yellow. The map identifies Avant's producing Cutbow unit to the South in Sections 36 and 1, which is spaced at six wells per section. The Map also identifies Mewbourne's Querecho 23 26 Fed Com #616H which has also targeted the Third Bone Spring formation. Avant's Cutbows and Mewbourne's Querecho well show the productivity of the Third Bone Spring formation across the Grayling Unit.

17. **Exhibit B-16** is a Third Bone Spring structure map in TVD subsea with a contour interval of 100 ft. The map demonstrates the formation is gently dipping to the east-southeast in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells.

18. **Exhibit B-17** includes Third Bone Spring isopach and pay maps. The isopach map has a contour interval of 25 feet and shows that the Third Bone Spring sand thins slightly to the

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north across this unit. The pay map is based on net footage of the reservoir within the Third Bone Spring sand that has a density porosity greater than 6%. The contour interval is 25 feet and shows that the reservoir quality thins slightly to the north.

#### E. Conclusions

19. Based on my geologic study of the area, the targeted interval underlying the Unit is suitable for development by horizontal wells and the tracts comprising the Unit will contribute more or less equally to the production of the wells.

20. In my opinion, granting Avant's application will best serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

21. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.

22. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

John Harper

5-22-24

Date

May 2015

GPA: 3.77

#### John Harper

4990 S. Lafayette Ln Englewood, CO 80113 | 678-988-6644 | John@avantnr.com

#### EDUCATION

#### **Colorado School of Mines**

Master of Science, Geology

<u>Thesis</u>: Organic and Inorganic Geochemical Characterization of the Juana Lopez and Montezuma Valley Members of the Lower Mancos Shale, Piceance Basin, Colorado

#### The University of Georgia

May 2013 Ulative GPA: 3 32: Geology GPA: 3 45

October 2019 – Present

 Bachelor of Science, Geology
 Cumulative GPA: 3.32; Geology GPA: 3.45

 <u>Undergraduate Thesis:</u> Anoxic Conditions within the Smoky Hill Chalk Member of the Niobrara Formation and its

 Effects on Organic and Inorganic C-N Assemblages

#### **PROFESSIONAL EXPERIENCE**

#### Avant Natural Resources: Denver, CO

SVP of Assets and Exploration

- Primary geologist responsible for Avant's operated, non-operated, and royalty entities.
- Responsible for 500+ acreage evaluations across the Permian Basin resulting in thousands of added acres across New Mexico and Texas.
- Managed Geosteering operations for 40+ horizontal wells maintaining >95% in-zone percentage resulting in some Delaware Basin production records.
- Create all of Avant's development plans per unit based on depletion mitigation, delineation, and exploratory efforts.
- Manage the regulatory department to ensure company compliance for all regulatory filings within the NMOCD and BLM including permits to drill, completion reports, flare permits, commingle permits, casing sundries, transport paperwork, H2S sundries, critical designation of natural gas infrastructure, etc...
- Negotiated and executed surface use agreements with private landowners and grazing lessees across Lea Co., NM.
- Manage a team of surveyors to implement Avant's development plans. Actively design pad layouts, access roads, overhead power line routes, flowline corridors, buried pipeline ROWs, etc...
- Oversee Avant's Environmental Department to ensure constant compliance with the NMOCD, NMED, BLM, and SLO. Including company's SPCC reporting, NMED Emissions Inventory, NM Precursor Rule compliance and reporting, etc...

#### Centennial Resources: Denver, CO

March 2018 – October 2019

*Senior Geologist* DELAWARE BASIN

- Primary geologist for CDEV's Lea Co., New Mexico acreage position; inclusive of all New Mexico OBO proposals, Federal and State sales, trade proposals, and acreage evaluations/acquisitions.
- Worked closely with reservoir engineers and land team to plan and propose the appropriate well(s) to address depletion, delineation, lease obligations, and exploration needs throughout Lea County, NM resulting in taking CDEV from half a rig to 3 active rigs within 1 year.
- Created internal geoscience training material for existing/new hires. Mentored new geologist and oversaw daily responsibilities.

Avant Operating, LLC Case No. 24254 Exhibit B-1

#### May 2015 – March 2018

**EOG Resources:** Midland, TX *Geologist* 

#### DELAWARE BASIN

- Lea County Team
  - Primary geologist for EOG's Lea Co., New Mexico acreage position that worked extensively with drilling engineers and operations geologists to ensure >95% in-zone percentages with an average window thickness less than 20ft.
  - Worked with a team that successfully proposed and executed wells that resulted in Delaware Basin records for the Upper Wolfcamp, Third Bone Spring Sand, First Bone Spring Sand, and Avalon B.
  - Primary geologist for all New Mexico OBO proposals, Federal and State sales, trade proposals, and acreage evaluations/acquisitions.
  - Worked closely with the reservoir engineers and land team to plan and propose the appropriate well(s) to address depletion, delineation, lease obligations, and exploration needs throughout Lea County, NM.
  - Mapped, planned, and coordinated an interdisciplinary 9 drilling rig program that has drilled 178 wells to date targeting numerous targets in the upper Wolfcamp, Third Bone Spring Sand, Second Bone Spring Sand, First Bone Spring Sand, and Avalon A/B.
  - Collaborated with completions engineers to plan appropriate frac-procedures based on geologic variation, offset depletion, and to maximize successful co-development exploitation. Also worked with the completions team to plan oil- and water-soluble tracer programs.
  - Provided detailed, sub-regional to regional maps across all target intervals for well proposals and reservoir modeling. Created various depositional environment and pay maps across all target intervals to better identify facies transitions from proximal to distal.
  - Lead geologist on an exploration team that discovered the horizontal First Bone Spring Sand play in Gramma Ridge area of Lea County, NM.
  - Lead geologist that successfully pushed and further delineated the Avalon B into the northern Delaware Basin.
  - Worked with the geophysicts to develop a tectono-sed model for Upper Wolfcamp and Bone Spring intervals across EOG's primary acreage positions in New Mexico and Texas.

#### PUBLICATION AND RESEARCH PAPER TOPICS/PRESENTATIONS

- "Organic and Inorganic Geochemical Characterization of the Juana Lopez and Montezuma Valley Members of the Lower Mancos Shale, Piceance Basin, Colorado" May 2015
- "Anoxic Conditions within the Smoky Hill Chalk Member of the Niobrara Formation and its Effects on Organic and Inorganic C-N Assemblages."
   Presented at University of Georgia CURO symposium; Clay Minerals Society annual conference at The University of Illinois.

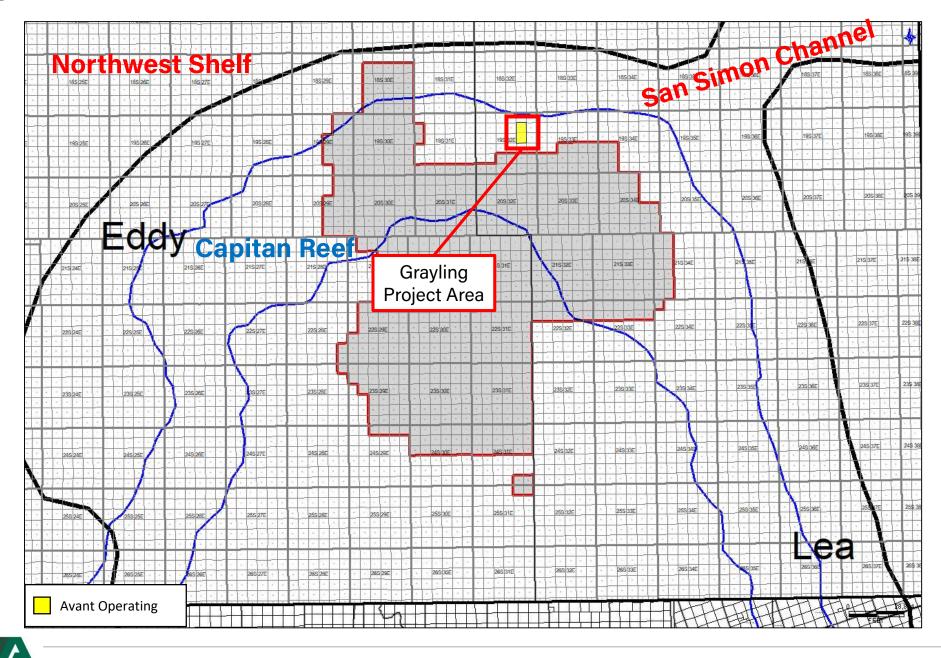
#### TRAINING AND TECHNICAL SKILLS

<u>Training</u>: N005 Tectonic Controls on Basin Development and Petroleum Systems, N381 Influence of Tectonics and Mechanical Stratigraphy on Natural Deformation in the Permian Basin, N382a Recognition of Mudstone Depositional Processes and Depositional Settings: Implications for Reservoir Heterogeneity and Play Extent, SCA Applied Subsurface Geological Mapping

<u>Software</u>: IHS Petra, IHS Kingdom, Golden Software STRATER, MS Office Suite, OpenOffice (Draw), Some Geographical Information Systems (GIS), EVA, XRD Commander

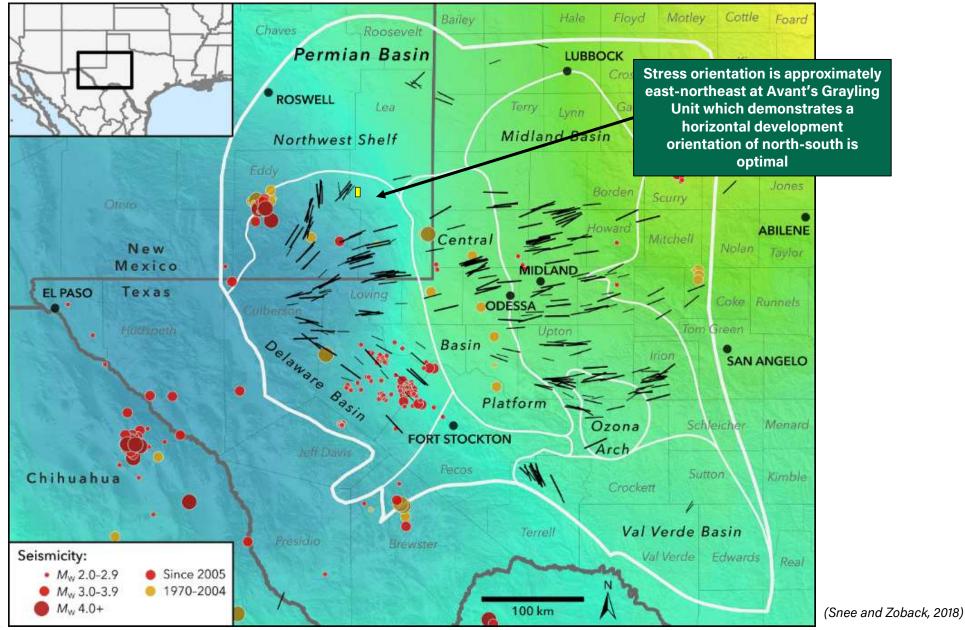
<u>Laboratory</u>: Bruker AXS Tracer IV T4S2572 X-ray Fluorescence, X-ray Diffractometer (XRD), Preparation for C/N isotope analysis with microbalance, Centrifuge preparation, Cell disruptor

### **REGIONAL LOCATOR MAP**



Avant Operating, LLC Case No. 24254 Released to Imaging: 6/3/2024 4:04:42 PM Exhibit B-2

# STRESS ORIENTATION MAP

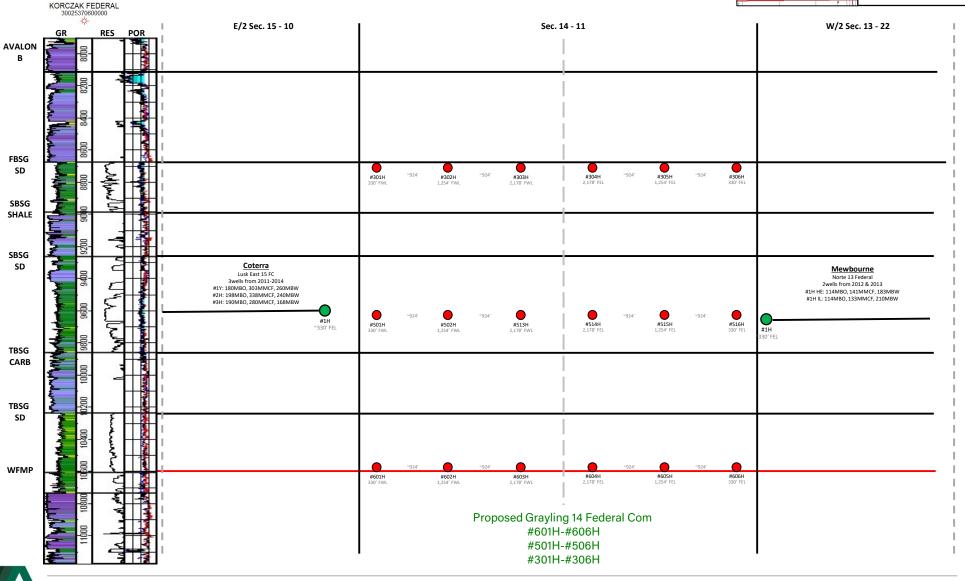




Avant Operating, LLC Case No. 24254 Exhibit B-3

AVANT DEVELOPMENT PLAN



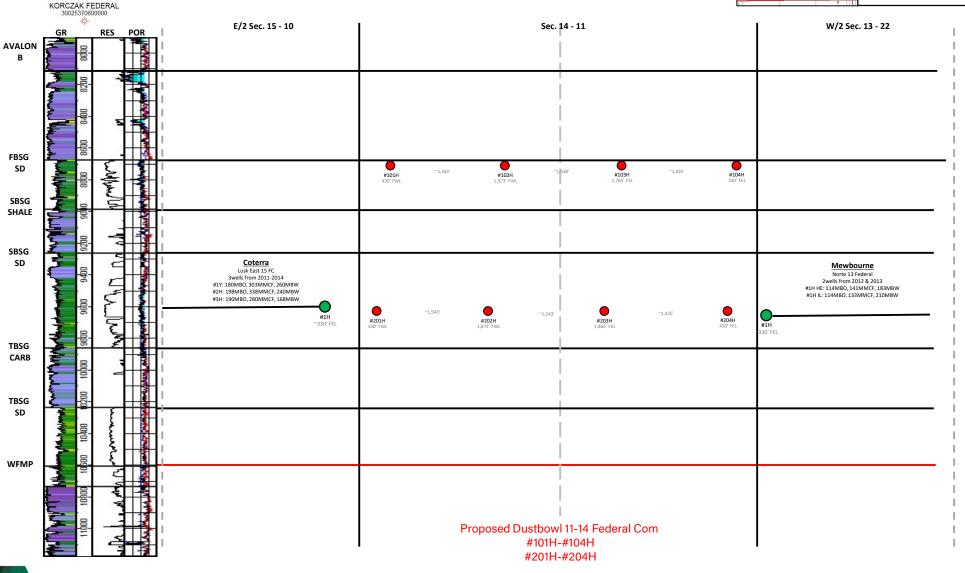


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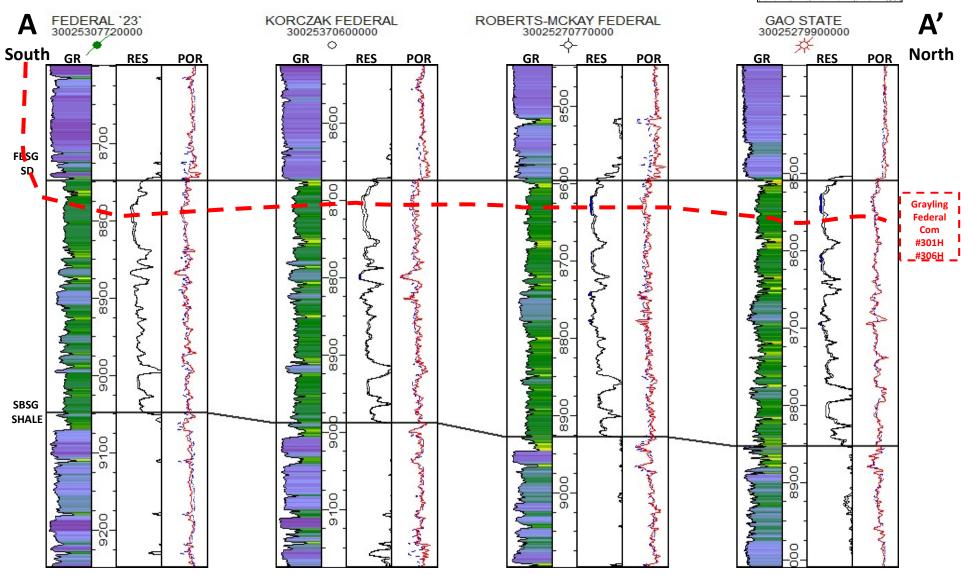
# APA DEVELOPMENT PLAN





**Avant Operating, LLC** Case No. 24254 Released to Imaging: 6/3/2024 4:04:42 PM Exhibit B-5

# **1BS STRATIGRAPHIC CROSS SECTION**





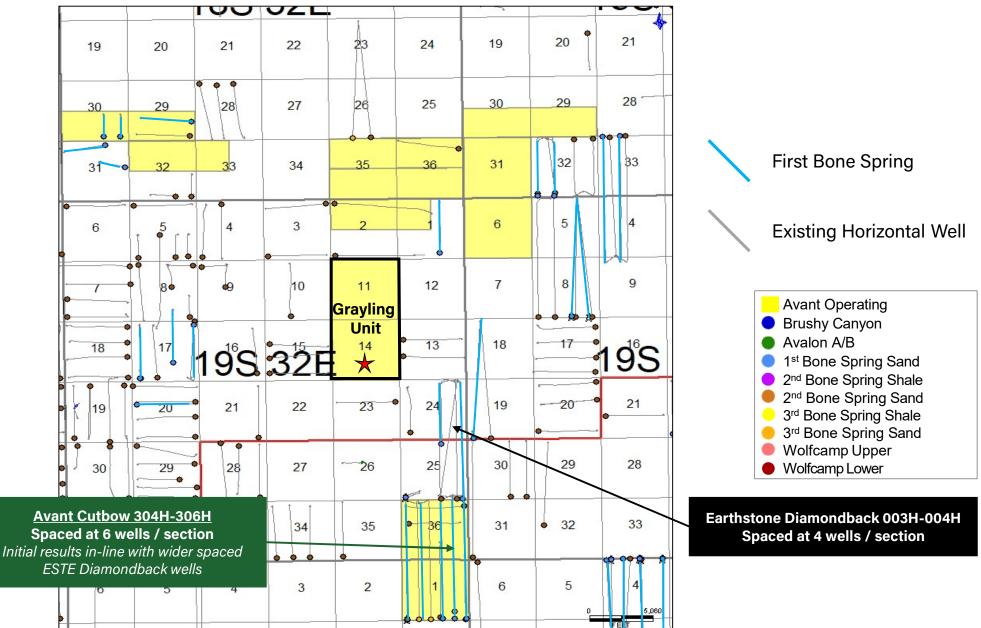
Avant Operating, LLC Case No. 24254 Exhibit B-6 Page 143 of 347

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# **1BS OFFSET ACTIVITY**

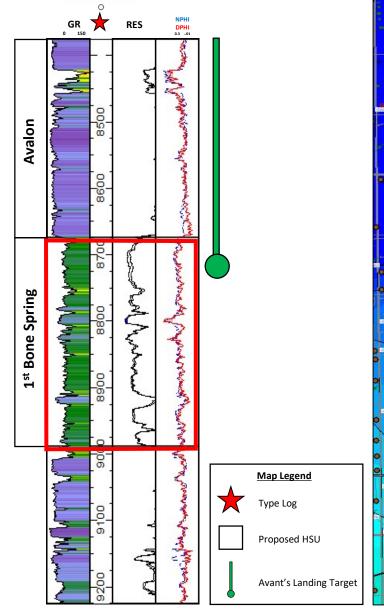


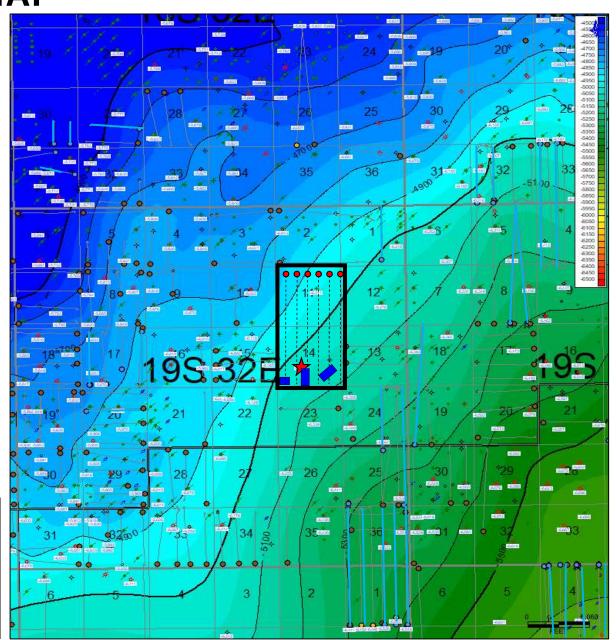


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### **1BS STRUCTURE MAP**



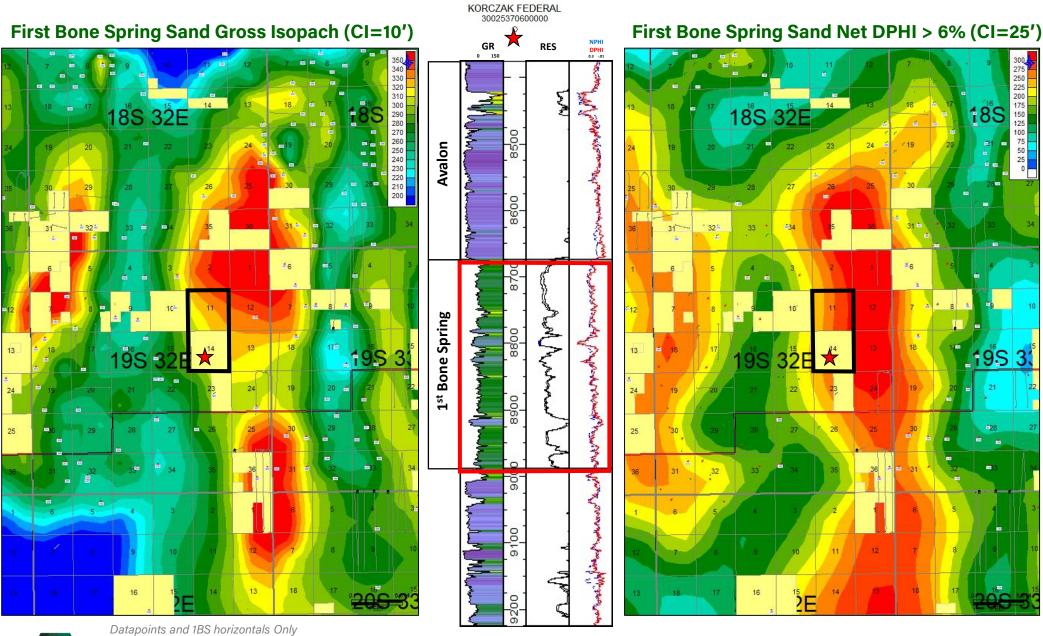




First Bone Spring Sand Structure (SS)

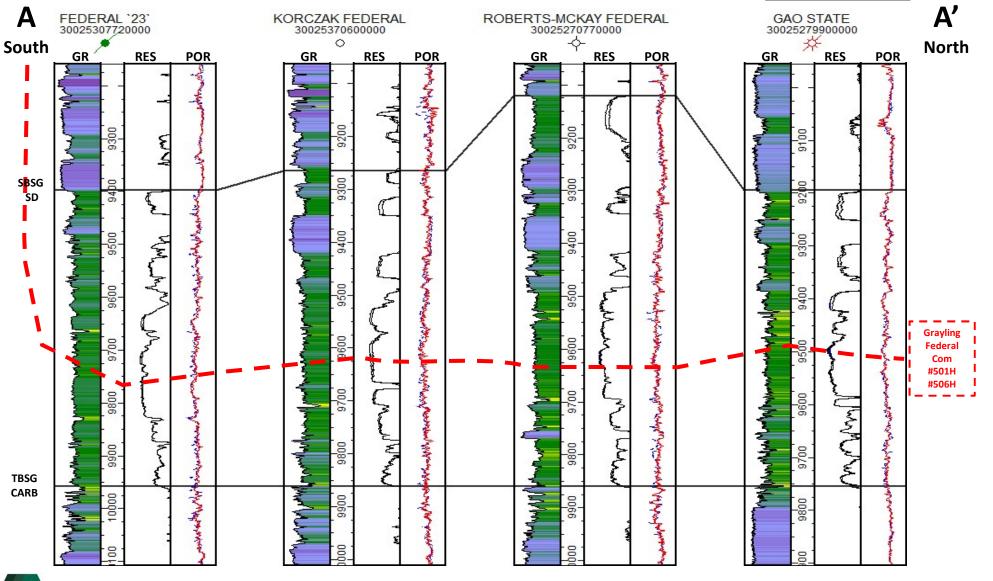
Avant Operating, LLC Case No. 24254 Released to Imaging: 6/3/2024 4:04:42 PM Exhibit B-8

## **1BS ISOPACH AND PAY MAPS**





## **2BS STRATIGRAPHIC CROSS SECTION**





Avant Operating, LLC Case No. 24254 Released to Imaging: 6/3/2024 4:04:42 PMExhibit B-10 Page 147 of 347

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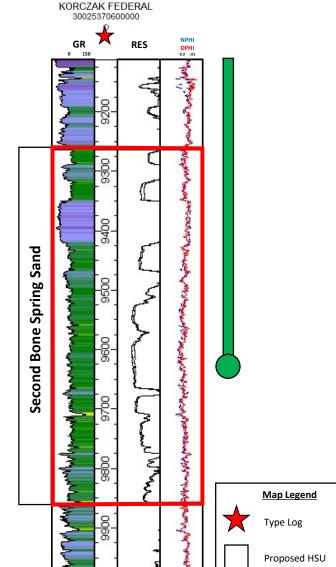
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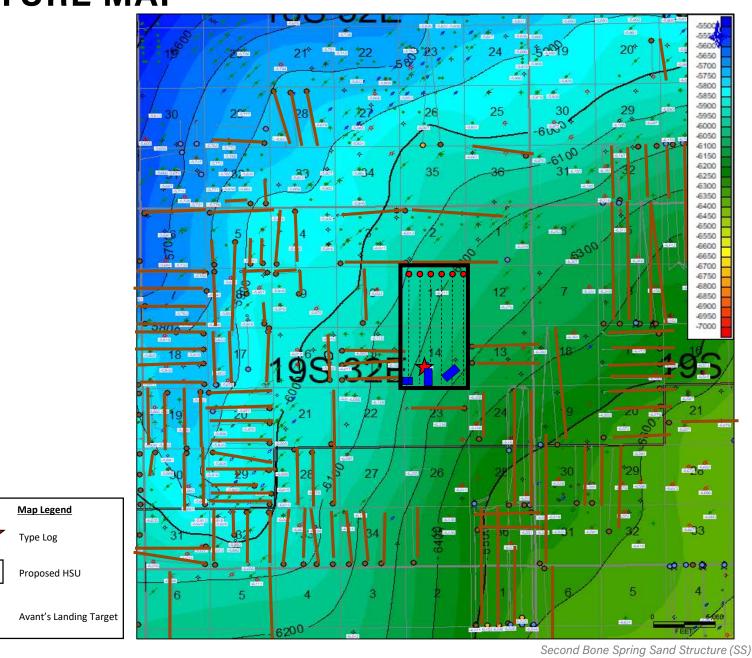




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### **2BS STRUCTURE MAP**





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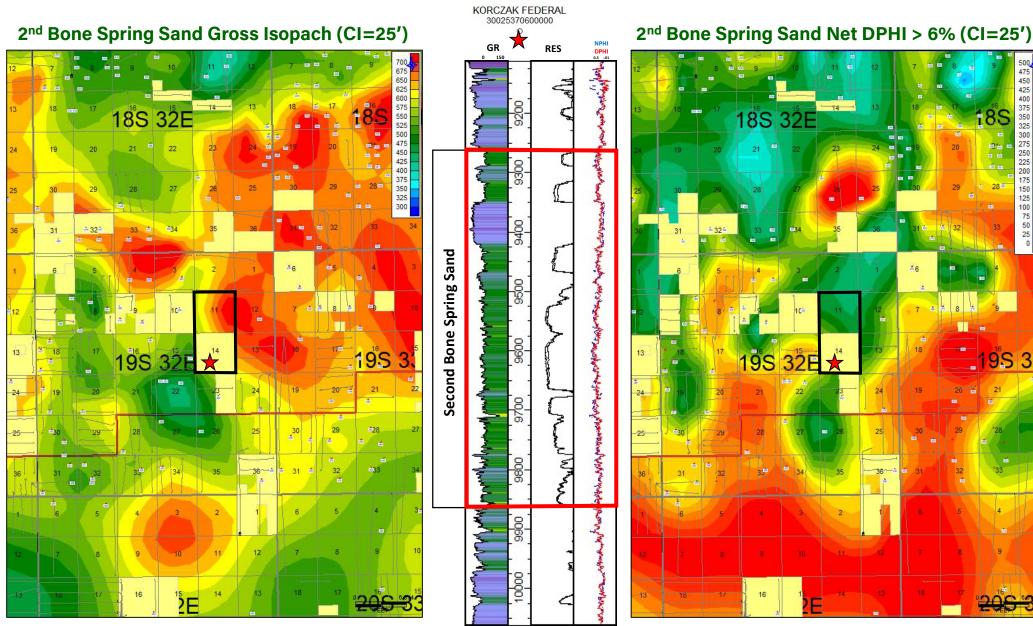
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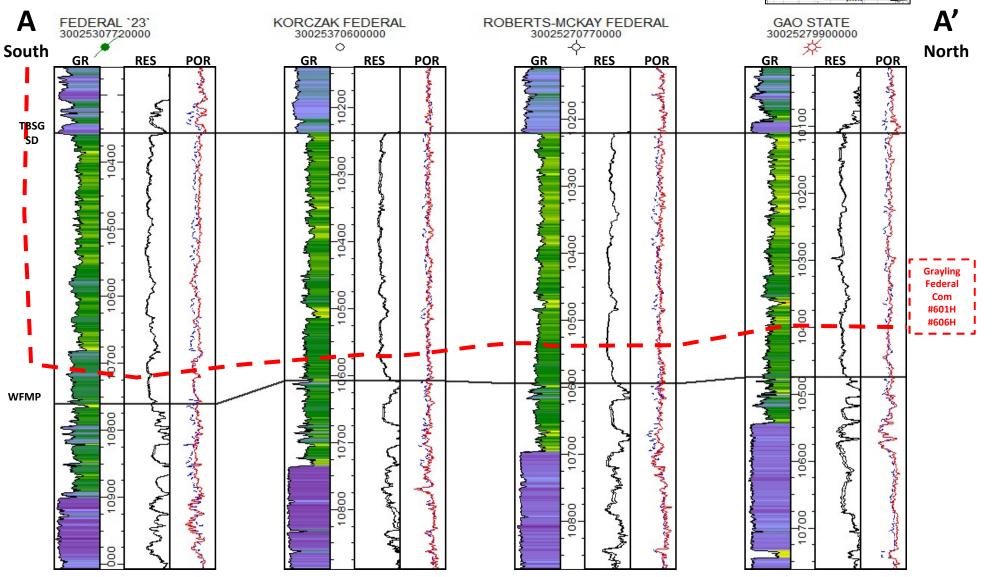
## **2BS ISOPACH AND PAY MAPS**



Datapoints and 2BS horizontals Only

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## **3BS STRATIGRAPHIC CROSS SECTION**





Avant Operating, LLC Case No. 24254 Exhibit B-14

AVANT OPERATING, LLC - GRAYLING 14 FED COM 47

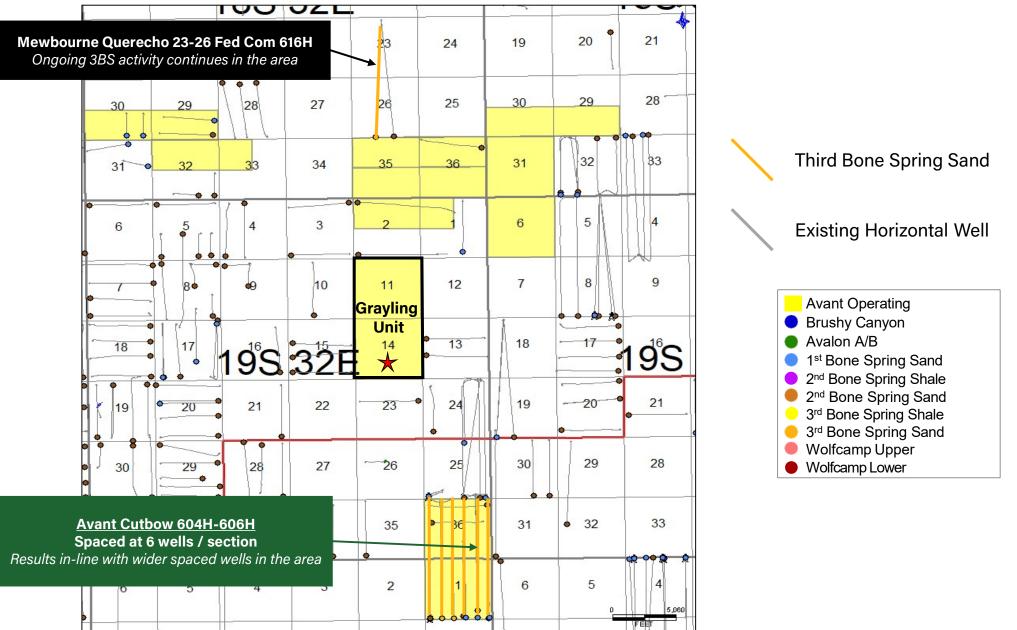
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## **3BS OFFSET ACTIVITY**

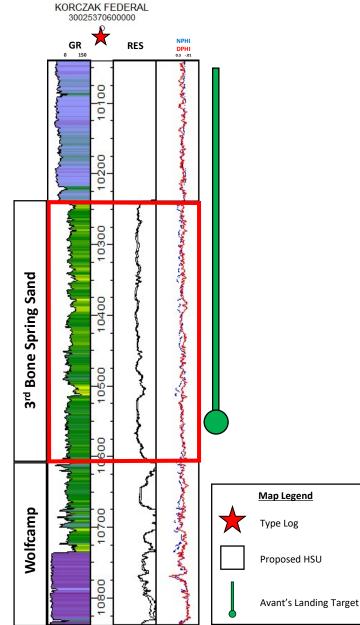


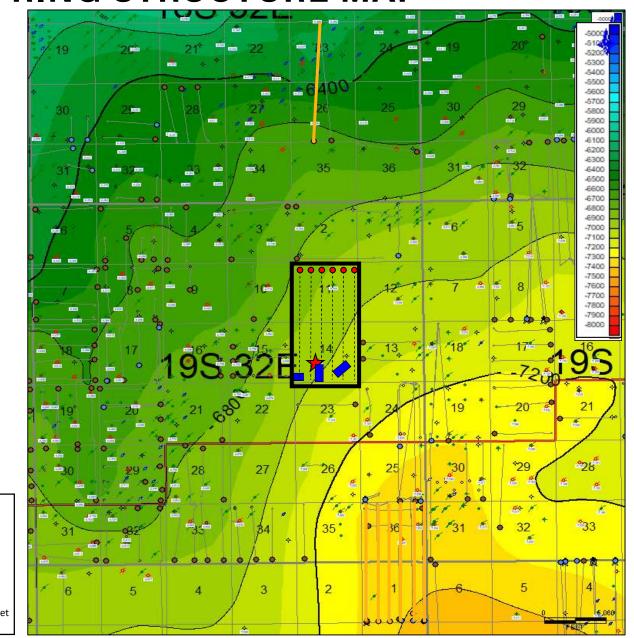


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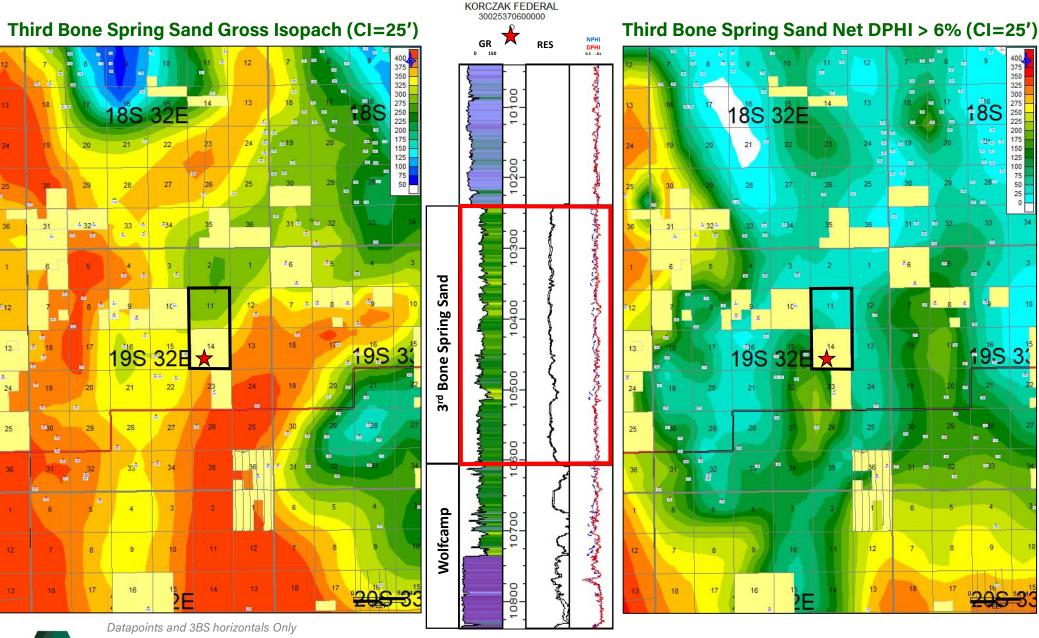
### **BASE OF BONE SPRING STRUCTURE MAP**





Bone Spring Base Structure (SS)

## **3BS ISOPACH AND PAY MAPS**





# EXHIBIT C and Sub-Exhibits

### ENGINEERING



AVANT OPERATING, LLC - GRAYLING 14 FED COM 51

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

#### APPLICATION OF APACHE CORPORATION FOR APPROVAL OF A NON-STANDARD HORIZONTAL WELL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No. 24141

#### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

#### SELF-AFFIRMED STATEMENT OF SHANE KELLY

1. I am employed by Avant Operating, LLC ("Avant") as Vice President of Engineering. I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division") as an expert in reservoir engineering and my qualifications were accepted as a matter of record. A copy of my resume is attached as **Exhibit C-1**.

2. I am familiar with the reservoir engineering matters that pertain to the abovereferenced applications.

#### A. Avant's Proposed Development Plan

3. **Exhibit C-2** includes tables that compare production results for five Avant-drilled and operated wells in this area with production achieved by other operators. The tables show that Avant is consistently in the top tier of producers in each area that we have moved into, speaking to our ability as an operator in New Mexico.

4. **Exhibit C-3** compares Avant's proposed development plan with the plan proposed by Apache. Avant proposes to develop the First, Second, and Third Bone Spring intervals using spacing of six wells per section, while Apache only proposes to develop the First and Second Bone Spring intervals with spacing of four wells per section. Avant's proposal will fully develop the acreage and produce the underlying reserves, while Apache's plan leaves significant reserves in place.

5. **Exhibit C-4** includes a graph that compares production for Avant's Golden Tee Unit, which was drilled at six wells per section, with three lower density developments in the area. The graph shows that the Golden Tee wells have outperformed these other nearby units that are drilled at wider spacing patterns.

6. **Exhibit C-5** contains a graph that compares production for Avant's Cutbow Third Bone Spring development, which is located to the South and was drilled at six wells per section, with production from Earthstone's Anaconda development, which was drilled at four wells per section. The graph demonstrates that Avant's higher well density development outperformed lower density developments in this area. The exhibit also provides a typecurve for the Grayling Third Bone Spring wells in relation to the typecurve for the Cutbow Third Bone Spring wells. The Cutbow wells have exceeded expectations, and Avant expects better results at Grayling since it plans to simultaneously develop all of the Third Bone Spring wells.

7. **Exhibit C-6** shows the impact of frac hits on offset depletion. Avant is in a unique position to be able to avoid this kind of damage with our midstream contacts that we have in place. We plan on developing full benches at a time so that there are no frac hits and no lost reserves here.

8. Exhibit C-7 compares Avant's and Apache's drilling, completion and facilities

costs. As shown on the exhibit, Avant's proposal is more capital-efficient for the working interest owners and Avant has proven with its recent results that we will hit our AFE costs. Apache has not drilled a well in the area, which could result in a wide range of outcomes.

9. Exhibit C-8 explains how Avant's recent experience with the Cutbow wells will facilitate its ability to efficiently and prudently develop the Grayling Unit. Specifically, Avant has proof of concept in two of the benches we are proposing to drill at Grayling. We are also in a very unique position on the midstream side that no other operator is currently in. Due to the midstream contracts Avant has worked for years to implement, we are capable of producing large packages at once to prevent waste and operate at a high level in this area.

#### **B.** Midstream Services

10. Avant understands the takeaway constraints in this area and is taking steps to proactively address them. Avant has existing infrastructure and long-term contracts in place to handle oil, gas, and water takeaway from the Grayling wells and is ready to commence surface operations once the wells are drilled. In addition, Avant has existing and planned water recycling facilities to use for frac that significantly reduce waste.

11. **Exhibit C-9** discusses gas gathering, processing and takeaway constraints for this area and Avant's approach to address them. Avant signed an acreage dedication with Northwind forgathering, treatment, disposal, processing, and purchase of natural gas for its wells in this area, including the Grayling wells. Avant is an anchor customer for Northwind and has secured firm capacity to service Avant's development plan at Grayling Unit in addition to other nearby units. Additionally, Avant's agreement with Northwind includes an obligation to gather, treat and process sour gas and other inerts in the gas stream.

12. Exhibit C-10 provides an overview of Avant's produced water infrastructure. Todate, third-party water midstream companies have been reluctant to spend the necessary capital to address the growing need for water gathering, treating and recycling infrastructure. As shown on the exhibit, Avant has constructed and placed in-service one water recycling facility and has two additional recycling facilities planned to for construction. Beginning in July 2024, Avant will commence construction of 22 miles of gathering pipeline and an additional recycling facility. This infrastructure will be utilized to serve several Avant units, including the Grayling Unit. In total, Avant has planned to spend approximately \$50 million of capital to address water constraints in this area. This project will include surface storage of approximately 4.5 million barrels of produced water, 45 miles of gathering pipeline (including connections to other systems for offtake and disposal), 200,000 barrels per day of water gathering capacity and 180,000 barrels per day of water recycling capacity. Avant plans to obtain a significant percentage of its frac water needs from its recycling facilities to facilitate water conservation and reduce waste.

13. **Exhibit C-11** provides a summary of Avant's midstream arrangements for transportation and marketing of oil produced by the Grayling wells. As shown on the exhibit, Avant signed a ten-year acreage dedication and marketing agreement with Plains to ensure oil pipeline takeaway would be in place day one for Avant's development projects, including Grayling.

#### C. Reservoir Engineering – First Bone Spring

14. **Exhibit C-12** is a 2-mile type curve for Avant's proposed First Bone Spring wells, which shows that Avant's proposed development plan will produce approximately 1,504,000 more barrels of oil than Apache's proposed development.

15. **Exhibit C-13** illustrates the performance of Avant's Cutbow wells and shows that at the six wells per section spacing we are getting results that are on par with the four well per spacing Diamondback wells directly offset to Cutbow. This gives us added confidence in our development plan.

#### D. Reservoir Engineering – Second Bone Spring

16. **Exhibit C-14** is a 2-mile type curve for Avant's proposed Second Bone Spring wells, which shows that Avant's proposed development plan will produce approximately 1,800,000 more barrels of oil than Apache's proposed development.

#### E. Reservoir Engineering – Third Bone Spring

17. **Exhibit C-15** is a 2-mile type curve for Avant's proposed Third Bone Spring wells, which shows that Avant's proposed development plan will produce approximately 5,022,000 more barrels of oil than Apache's proposed development.

#### F. Conclusion

18. Based on the above information and analysis, it is my opinion that Avant's proposed Grayling development, which utilizes six wells per section, will produce the underlying reserves more effectively and efficiently than Apache's proposed development, which includes four wells per section. In this area, Apache's lower density proposal will fail to produce valuable reserves, resulting in waste.

19. Avant has midstream services in place and is prepared to commence operations once it is authorized to do so.

20. Avant is running active rigs in this area, is ready to commence drilling once it received APDs from the BLM, and should be permitted to proceed with its development plan.

21. For the reasons set out above, it is my opinion that granting Avant's applications will best prevent waste, protect correlative rights, and prevent the drilling of unnecessary wells.

22. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.

23. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

5/21/24 Date

### Shane Kelly

Home Address 6837 Canosa St Denver, CO 80221

shanekelly95@yahoo.com (817) 915-9336

#### **Professional Summary**

Petroleum Engineer skilled in horizontal oil and gas field development, production, evaluation, and exploration. Knowledgeable in reservoir simulation tools as well as economic modeling programs. Can identify risks and forecasts for the recovery of oil and gas. Strong analytical skills, along with being proficient in many diverse reservoir programs and programming languages including Python. Have strong leadership skills combined with a willingness to work in a team environment.

#### Work Experience

#### **AVANT NATURAL RESOURCES, Denver, CO**

Vice President of Engineering

- Lead engineer in charge of completing, and producing all wells for Avant Natural Resources
- Manage multiple engineers with the goal of producing the best wells possible •
- In charge of all reserve reports for multiple entities underneath Avant Natural Resources
- Collaborate with accounting and finance to complete multiple year end Audit reports with a 3rd party • auditor
- Manage multiple databases for multiple banks that handle our loans and work closely with 3rd party • engineers for quarterly loan redeterminations
- Work with the VP of Geosciences to determine the optimization of well spacing and completions on every well drilled by Avant Operating
- Responsible for 500+ acreage evaluations constantly growing the company's acreage position across New • Mexico and Texas
- Manage the development schedule handling 2+ rigs and over 400 wells to drill in the next 5 years
- Developed multiple type curve areas used to quickly evaluate the value of acreage
- Managed database for the \$132MM sale of Avant Royalties to Brigham Minerals

#### **CENTENNIAL RESOURCES, Denver, CO**

Senior Reservoir Engineer

- Primary Engineer over Lea County, New Mexico acreage position and Loving County, Texas position
- Took a half rig program to 3 rigs in 1 year with record well results in Lea County, NM •
- Primary Engineer for all New Mexico OBO well proposals, Federal and State sales, trade proposals, and • acreage evaluations
- Responsible for 500+ well forecasts including OBO wells •

#### EOG RESOURCES, Midland, TX

Reservoir Engineer II

- Primary Engineer over EOG's Lea County, New Mexico acreage position
- Worked with primary geologist to plan and execute wells for 10+ rigs in Lea County
- Primary Engineer for all New Mexico OBO well proposals, Federal and State sales, trade proposals, and • acreage evaluations
- Collaborated with team to successfully down-space the Upper Wolfcamp from 660' spacing to 330' stagger development adding \$80 million per section
- Worked with geology and land to evaluate 10+ major acreage acquisitions including the successful bid for • Great Western in Lea County, as well as evaluated GMT, Caza, One Energy, and others
- Responsible for 500+ well forecasts including OBO wells
- Utilized company proprietary program to run RTA on individual wells in addition to multi-well forecasts to help determine spacing patterns
- Lead reservoir engineer on the team that successfully discovered the First Bone Spring Sand in Gramma Ridge of Lea County, New Mexico
- Forecasted capital & volumes for a 17 rig program
- Worked with primary geologist and land to plan the 2017, 2018, and 2019 drilling and frac schedules to meet corporate volumes and capital goals as well as manage lease critical dates, offset depletion, and development efforts for up to 24 drilling rigs and 7 frac spreads
- Part of the team that successfully produced record wells in the Upper Wolfcamp, Third Bone Spring Sand, First Bone Spring Sand, and Leonard B (Avalon Shale) targets
- Proficient in using IHS Petra to evaluate logs and create maps for the purpose of evaluating well • performance
- Mentor to new Engineers in the rotational program

#### EOG RESOURCES, Midland, TX

Engineer in Training Rotation

June, 2014 - January, 2016

Avant Operating, LLC Case No. 24254 Exhibit C-1

#### September, 2018 - October, 2019

February, 2016 - September, 2018

October, 2019 - Present

- 4 months spent as a company man on a frac crew in the Delaware Basin; 2 months designing and writing procedures for upcoming fracs
- 6 months on a drilling rig following various company men
- 3 months as pumper in the Midland Basin; 5 months taking care of my own area as a production engineer designing gas lift/rod pump artificial lift as well as designed multiple plugging procedures
- 2 months as a facilities engineer; worked on designing a loop from our Texas assets into New Mexico in the program Fekete Piper in addition to sketching up old facility designs in Reeves county

#### EOG RESOURCES, Midland, TX

Completions Engineering Intern

- Used microseismic to create a statistical method to normalize data for comparison
  - Correlated results with production data, sigma, and geologic perspective
- Developed method to determine proper well spacing and complexity
- Recommended completion designs for future wells

#### MARATHON OIL COMPANY, Houston, TX

IT Compliance Intern

- Created security policy presentation for department heads
- Worked on implementation of new systems using SDLC methodology
- Elected Media Director on the Intern Advisory Board

#### Education

#### TEXAS TECH UNIVERSITY, Lubbock, TX

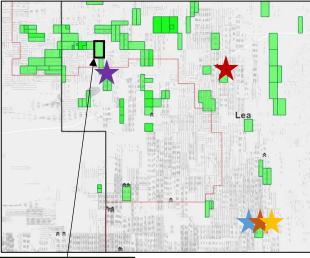
Awarded BS – Petroleum Engineering Awarded BBA – Management Information Systems May 2014 August 2011

Summer, 2013

Summer, 2010

## **TOP-TIER WELL RESULTS TO-DATE**

### **Locator Map**



### Golden Tee 1<sup>st</sup> Bone Spring

#	Name	Ор	Lat. Ft.	IP24
1	Golden Tee 306H	Avant	7,078	3,336
2	Golden Tee 302H	Avant	7,591	3,024
3	Wicked 17 State 301H	EOG	4,667	2,943
4	Golden Tee 305H	Avant	7,361	2,856
5	Duck Hunt 1 State 302H	PR	7,410	2,849
6	Golden Tee 301H	Avant	7,595	2,688
7	Duck Hunt 1 State 301H	PR	7,231	2,223
8	Righteous State 301H	EOG	7,220	1,847
9	Marlan Downey 114H	MTDR	7,418	1,672
10	Marlan Downey 113H	MTDR	7,546	1,630
	Average		7,112	2,507

### Golden Tee 2<sup>nd</sup> Bone Spring

#	Name	Ор	Lat. Ft.	IP24
1	Duck Hunt 1 State 502H	PR	7,678	3,418
2	Golden Tee 506H	Avant	7,212	2,832
3	Duck Hunt 1 State 501H	PR	7,331	2,819
4	Carne Asada State 501H	PR	7,919	2,685
5	Airstream 24 State 506H	PR	10,332	2,602
6	Airstream 24 State 505H	PR	10,337	2,582
7	Golden Tee 502H	Avant	7,776	2,568
8	Airstream 24 State 504H	PR	10,359	2,491
9	Golden Tee 505H	Avant	7,217	2,424
10	Golden Tee 501H	Avant	7,492	2,400
	Average		8,365	2,682

#### **Proposed Grayling unit**

### Golden Tee 3rd Bone Spring

#	Name	Ор	Lat. Ft.	IP24
1	Golden Tee 601H	Avant	7,238	6,782
2	Chimichangas 12 602H	PR	9,819	4,048
3	Golden Tee 605H	Avant	7,459	3,816
4	Golden Tee 603H	Avant	7,208	3,744
5	Duck Hunt 1 State 601H	PR	7,311	3,615
6	Righteous 6 State 601Y	EOG	7,262	3,040
7	Pac-Man 36 601H	PR	10,485	2,991
8	Golden Tee 604H	Avant	7,210	2,760
9	Chimichangas 12 601H	CDEV	10,050	2,669
10	Jeff Hart State 134H	MTDR	10,406	2,593
	Average		8,445	3,606

### Cutbow 3<sup>rd</sup> Bone Spring

#	Name	Ор	Lat. Ft.	IP24
1	Cutbow 36 Fed 601H	Avant	9,912	1,764
2	Cutbow 36 Fed 606H	Avant	10,335	1,344
3	Gavilon Fed Com 604H	MTDR	10,630	1,314
4	Gavilon Fed Com 602H	MTDR	10,665	1,266
5	Cutbow 36 Fed 605H	Avant	10,329	1,176
6	Gavilon Fed Com 603H	MTDR	10,613	1,161
7	Cutbow 36 Fed 602H	Avant	9,887	1,128
8	Hamon Federal 2H	Revenir	5,035	1,040
9	Chistera 32 State 002H	XTO	4,961	917
10	Chistera 32 State 003H	ХТО	4,861	774
	Average		8,723	1,188

### Angry Angus Wolfcamp

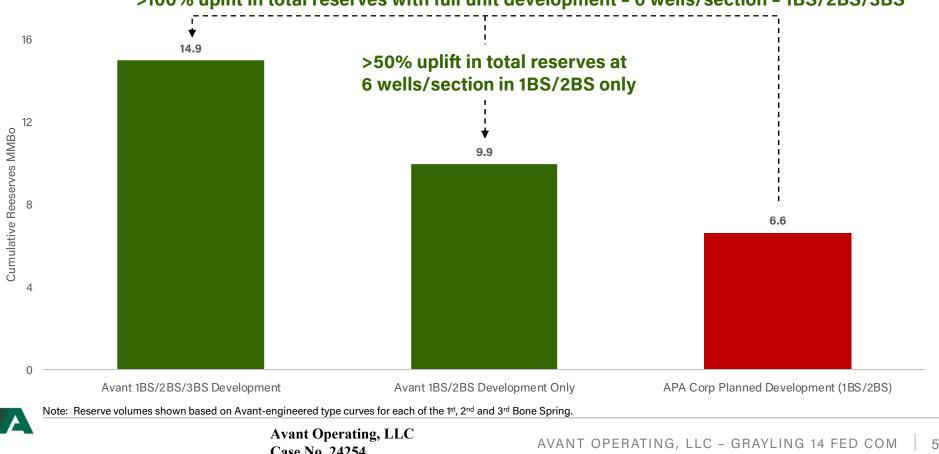
#	Name	Ор	Lat. Ft.	IP24
1	Angry Angus 702H	Avant	4,871	1,416
2	Eagleclaw Fed 001H	Caza	7,247	1,069
3	Angry Angus 703H	Avant	4,844	1,008
4	Eagleclaw Fed 002H	Caza	7,171	794
5	Angry Angus 701H	Avant	4,952	744
6	Angry Angus 704H	Avant	4,816	576
7	Talon 5-8 Fed 005H	Caza	7,301	533
8	Hereford W1MD Fed 001H	Mew.	11,055	472
9	Hereford W1NC Fed 001H	Mew.	11,101	380
10	Hereford W1OD Fed 001H	Mew.	11,105	238
	Average		7,498	723



## AVANT DEVELOPMENT PLAN RELATIVE TO APA CORP

### **Overview**

- Avant's Grayling development program is designed to maximize recoveries and minimize waste across the unit
  - Development based on 6 wells per section in each of the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Bone Spring, as executed by Avant in offset units
  - APA Corp's development is based on 4 wells per section in only the 1<sup>st</sup> and 2<sup>nd</sup> Bone Spring, leaving meaningful reserves behind
- Avant's development program results in over 2x total oil recoveries versus APA Corp's proposed development program

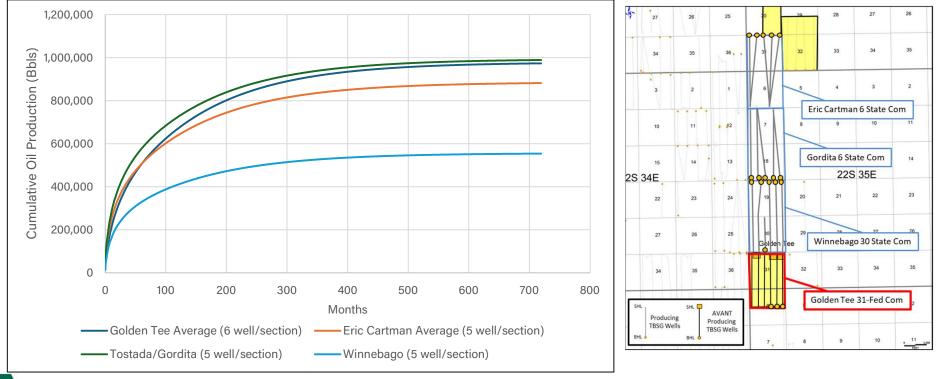


>100% uplift in total reserves with full unit development - 6 wells/section - 1BS/2BS/3BS

## **MAXIMIZING TOTAL RECOVERVIES**

### Avant has a proven track record of maximizing recoveries via full bench development

- Avant's extensive operational experience in New Mexico continues to drive our optimized development strategy
- Focus on maximizing total recoveries within each unit with a responsible development approach
- Example: Avant Operating Golden Tee Unit
  - Avant drilled 6 3BS wells at Golden Tee vs. the historical approach of 5 wells/section in the area
  - Significant outperformance observed at Golden Tee relative to other nearby units drilled by other operators
  - Sub-optimized development patterns resulted in meaningful reserves being left behind vs. Golden Tee



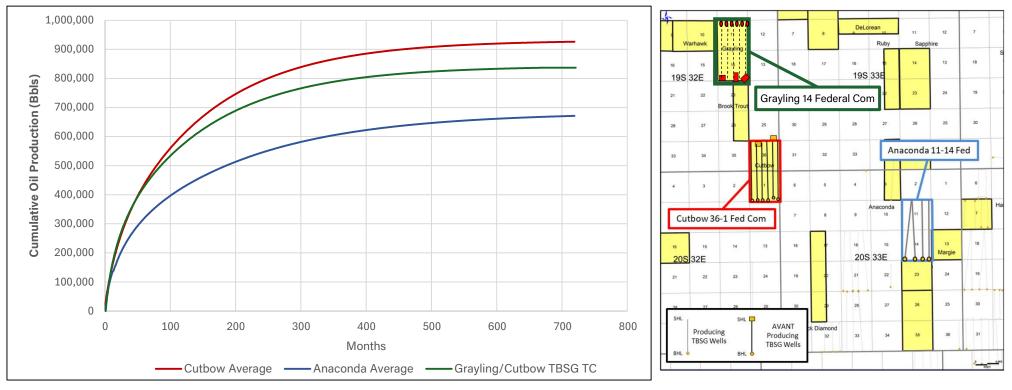


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## AVANT CUTBOW UNIT 3BS DEVELOPMENT

Avant has proven 6 wells/section in 3BS maximizes recoveries without performance degradation

- Example: Avant Operating Cutbow Unit vs. Earthstone Anaconda Unit
  - Avant drilled 6 3BS wells in two packages vs. Earthstone's development at 4 wells per section in higher-quality rock
  - Avant's Cutbow wells are expected to significantly outperform Anaconda wells on average despite higher rock quality and wider densities at Anaconda
  - Under-development at the Anaconda Unit to result in lower overall recoveries based on current forecasts
  - Avant expects Grayling 3BS wells to outperform Cutbow on average as we plan to develop all 6 wells in one package

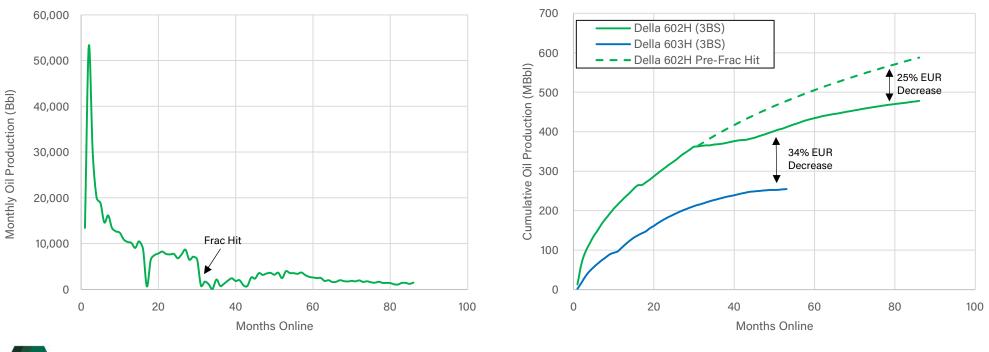


Production data normalized to 10,000' lateral

## AVANT'S FULL BENCH DEVELOPMENT APPROACH

### Avant is focused on avoiding EUR degradation by developing each target zone in one package

- Avant firmly believes that development of each zone in a single package is the optimal way to develop its Grayling unit
- Avoids frac hits and unnecessary parent/child well issues that adversely impact well performance
- Example: EOG Della 29 Fed Com 3BS Wells:
  - EOG drilled an initial 2-well pad, followed ~3 years later by a 4-well pad targeting the 3BS
  - Della 29 Federal Com 602H (first package) was most impacted by frac of the offset second package, losing 25% of its potential EUR from the frac hit of the adjacent Della 29 Federal Com 603H (second package) 880' away
  - The potential / expected EUR for the Della 603H was decreased by ~34% as a result of depletion from the offset 602H



### Dela 602H Performance

### Impact of Frac Hit - Della 602H vs. 603H

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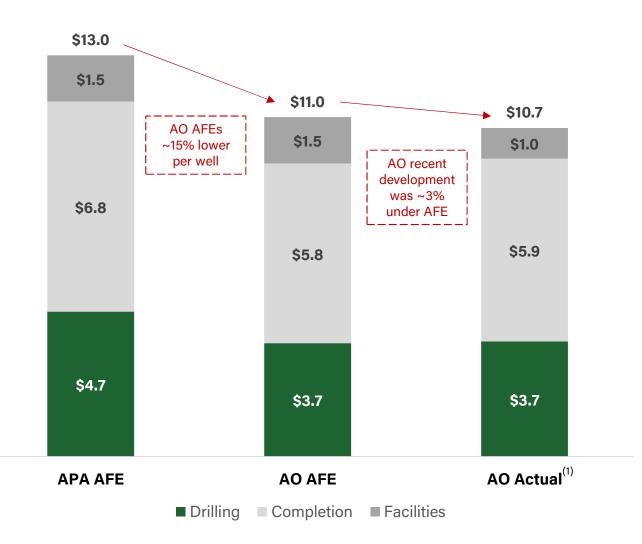
## **AO vs. APA CORP DEVELOPMENT COSTS**

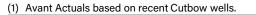
### Avant has lower AFEs than APA and a proven track record of controlling costs

### Overview

- Avant's proposal is more capital efficient for WI owners, with 15% lower AFEs than APA Corp on a per well basis for the First Bone Spring
- Avant's expertise in drilling 4-string casing design has resulted in meaningful cost improvements over time in this area
- D&C&F costs for recent Avant 1BS well(s) at Cutbow are projected to be ~3% below current Grayling AFE

AO vs. APA Corp 1BS AFE Comparison (\$ MM)





## **CUTBOW DEVELOPMENT LESSONS LEARNED**

- Development density of 6 wells per section proved to be optimal
- Drilling and completing each zone in one package is critical as to avoid degradation from offset depletion
- Co-development of multiple zones simultaneously can further mitigate the impact of offset depletion as well as minimize downtime for shut-ins for offset frac
- Reliable takeaway solutions for oil, gas and water are critical to avoid production curtailment and suboptimal lift operations
- Higher than expected water cut in deeper zones further emphasizes need for reliable water takeaway
- Ongoing improvements in drilling efficiencies with 4-string design has driven meaningful cost savings on recent pads
- Refined completion design has resulted in flatter production declines, supporting tighter densities vs. other companies

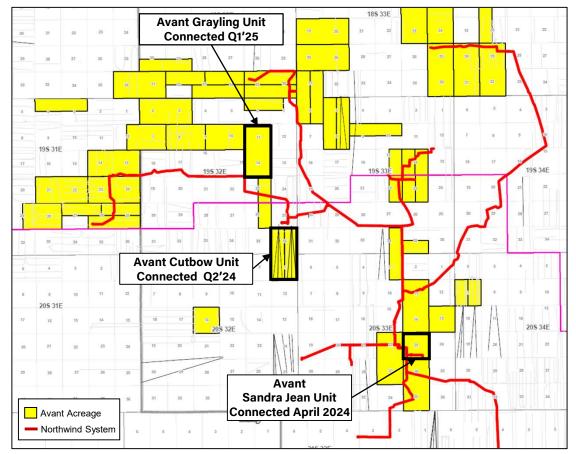


## AVANT AS ANCHOR FOR NEW LEA COUNTY SYSTEM

### Overview

- This area does not have adequate gas gathering and transportation to support a meaningful development project
  - Avant's recent development at Cutbow has maxed out 3<sup>rd</sup> party capacity
- Significant 3<sup>rd</sup> party investment is needed for this area to increase flow assurance and prevent waste
- Avant entered into an agreement with Northwind Midstream Partners in November 2023 that will help alleviate gas takeaway constraints in this area
  - Avant is an anchor customer for Northwind
  - Avant signed an acreage dedication and entered into an AMI to facilitate the build-out
  - Grayling connection is currently in progress, with in-service date scheduled for March 2025
  - Includes an obligation to gather, treat and process sour gas
  - Obligation to connect to Avant CTB's across the entire acreage position
  - Firm capacity secured in order to capture 100% of Avant's forecasted volumes

### Northwind-Avant System



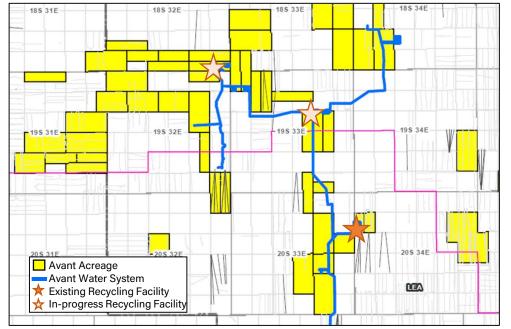
Avant has unique access to gas takeaway that is necessary to support a prudent development plan, prevent flaring and reduce waste



## **INVESTING \$50 MM TO SOLVE WATER CONSTRAINTS**

Avant is spending significant capital in water infrastructure to ensure pipeline and recycling solutions are in place

- 3<sup>rd</sup> party water midstream companies are reluctant to spend the necessary capital to address the growing need for water gathering and recycling infrastructure
- Avant's consolidated position and significant activity in the area support Avant's investment in water infrastructure
- Adequate water takeaway does not exist to support a multiwell horizontal development project
- Avant is planning to spend \$50 million to create a fullyintegrated water gathering and recycling system
  - 2024 approved budget of \$15.4 million
  - Portion of the system is currently in service
  - Ample capacity to supply water for frac at Grayling as well as gather 100% of the produced volumes
  - Full system in service late 4Q'24 / early Q1'25
- Avant's system will include:
  - ~4.5 million barrels of surface storage
  - ~45 miles of 12" to 20" gathering pipeline
  - ~200k barrels per day of water gathering capacity
  - ~180k barrels per day of water recycling capacity
  - Takeaway agreements for offtake/disposal





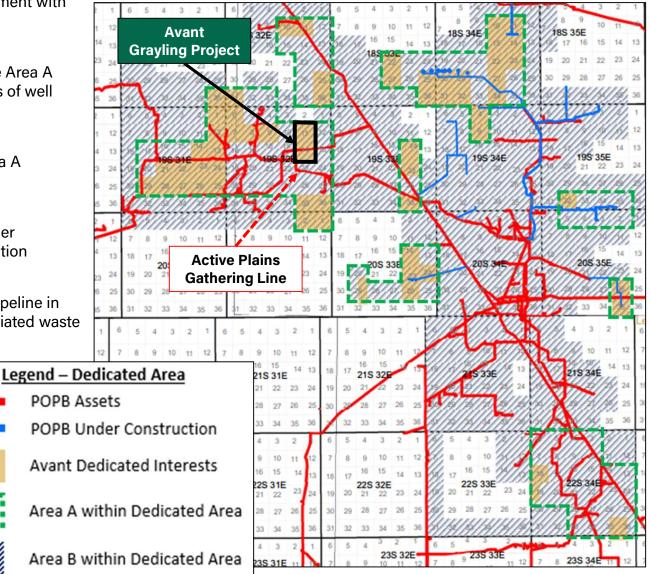
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## **RELIABLE OIL PIPELINE SOLUTION IN PLACE**

### Overview

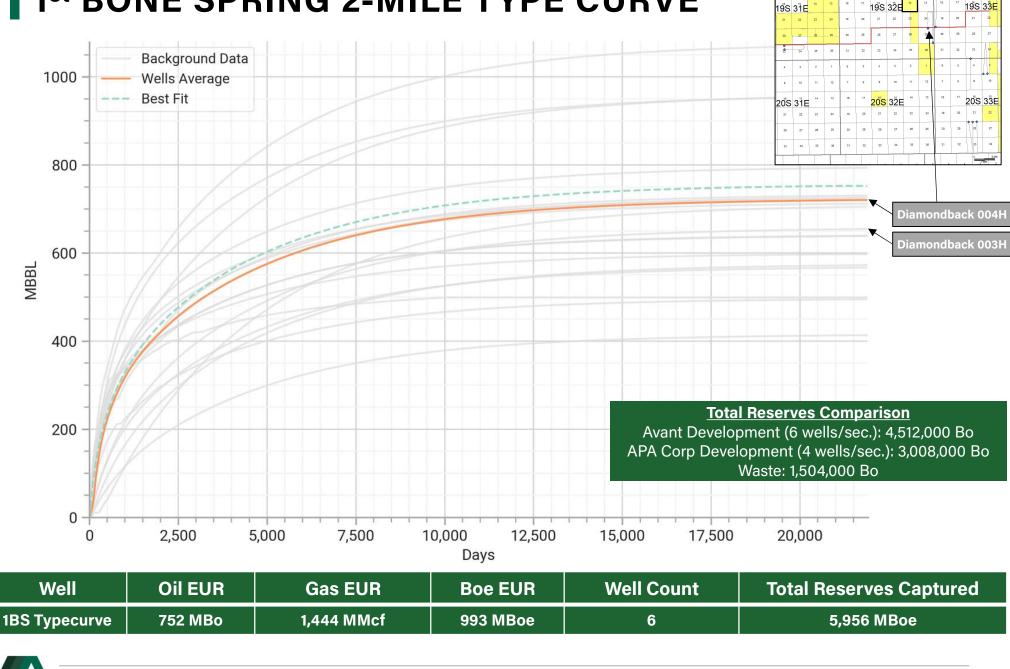
- 10-year dedication and marketing agreement with Plains effective December 1, 2023
- Obligated to connect to CTB's within the Area A dedication (green dotted line) regardless of well count
  - Grayling is located within the Area A dedication
- Plains has infrastructure in-place to gather produced oil volumes on day 1 of production
- Avant plans to have 100% of the oil on pipeline in order to eliminate truck traffic and associated waste

### Plains Oryx Permian Basin Pipeline (Plains)





## 1<sup>st</sup> BONE SPRING 2-MILE TYPE CURVE



Avant Operating, LLC Case No. 24254 Exhibit C-12 Page 174 of 345

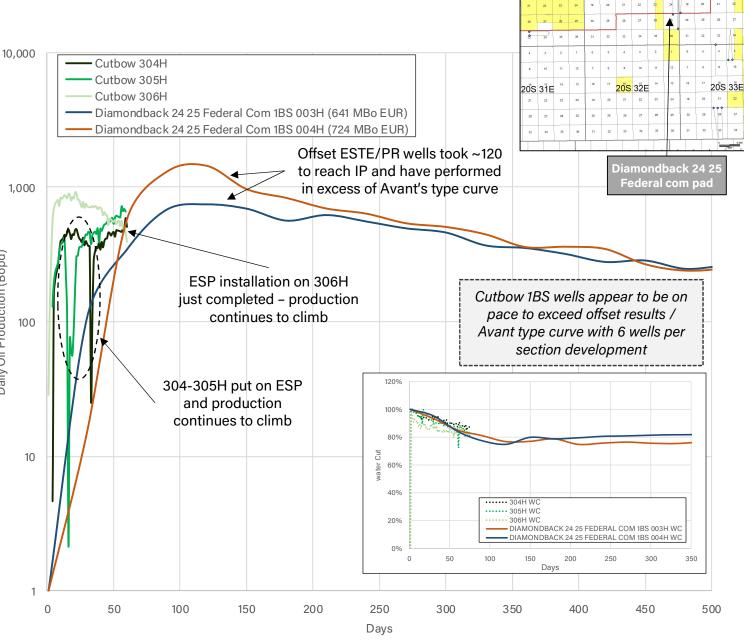
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## **CUTBOW 1BS WELL PERFORMANCE**

- 3 well package targeting the 1<sup>st</sup> Bone Spring (spaced at 6 wells per section)
- Offset 2019 Earthstone wells spaced at 4 wells per section
- Avant results have been in-line with / in excess of the wider-spaced Earthstone Diamondback wells
- Earthstone wells IP'd in ~120 days and have exceeded Avant type curve
- Avant wells continuing to climb on ESP - expected to IP in-line with offset wells, if not higher





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**Daily Oil Production (Bopd)** 

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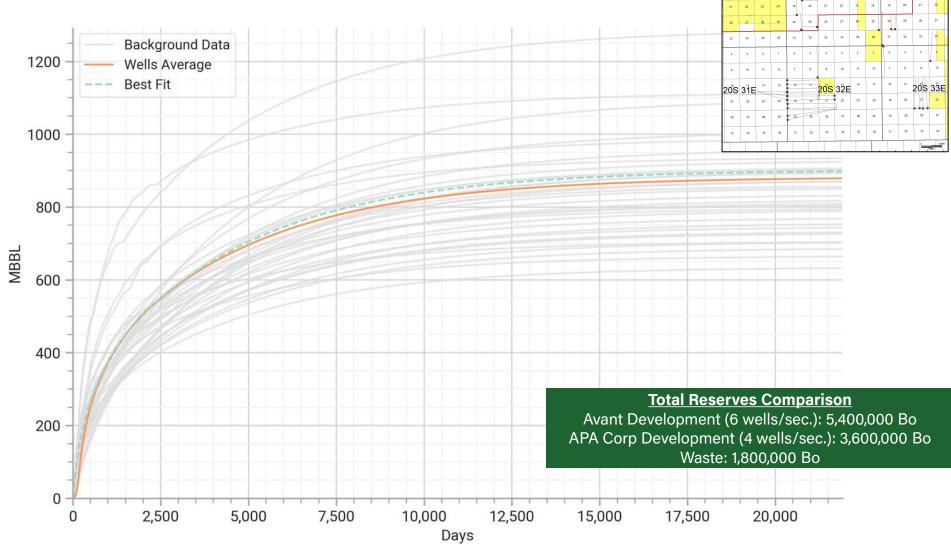
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## 2<sup>nd</sup> BONE SPRING 2-MILE TYPE CURVE



Well	Oil EUR	Gas EUR	Boe EUR	Well Count	Total Reserves Captured
2BS Typecurve	900 MBo	1,312 MMcf	1,119 Mboe	6	6,712 MBoe



Avant Operating, LLC Case No. 24254 Exhibit C-14

AVANT OPERATING, LLC - GRAYLING 14 FED COM 66

Page 176 of 34%

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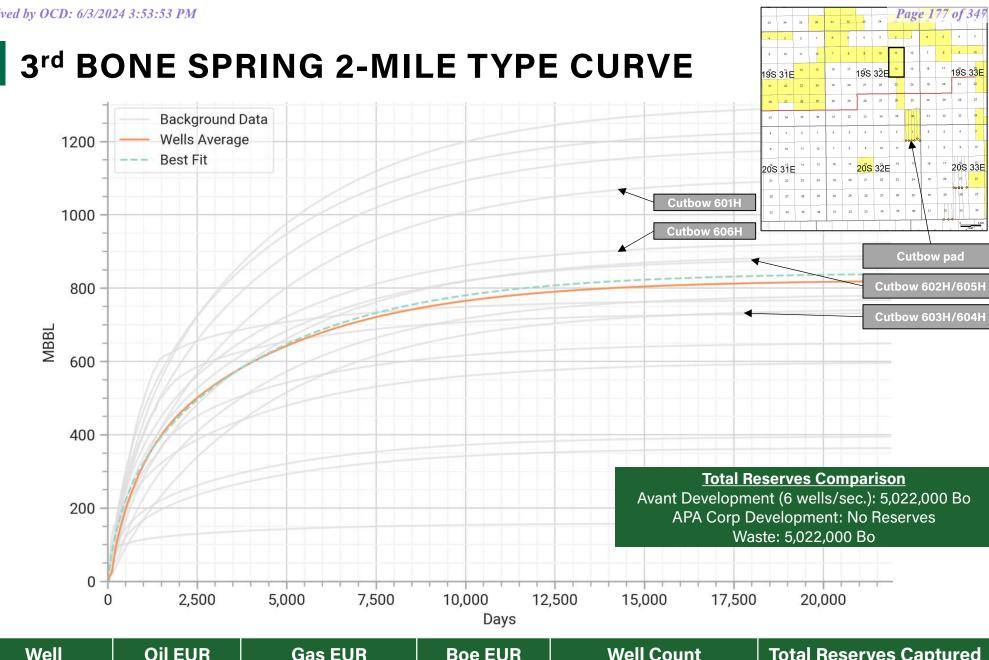
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Well	Oil EUR	Gas EUR	Boe EUR	Well Count	Total Reserves Captured
3BS Typecurve	837 MBo	1,008 MMcf	1,005 Mboe	6	6,030 MBoe



**Avant Operating, LLC** Case No. 24254 Exhibit C-15

AVANT OPERATING, LLC - GRAYLING 14 FED COM 68

# EXHIBIT D and Sub-Exhibits





AVANT OPERATING, LLC - GRAYLING 14 FED COM 8

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

#### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

#### SELF-AFFIRMED STATEMENT OF DANA S. HARDY

1. I am attorney in fact and authorized representative of Avant Operating, LLC, the Applicant herein.

2. I am familiar with the Notice Letter attached as **Exhibit D-1** and caused the Notice Letter, along with the Application in this case, to be sent to the parties set out in the chart attached as **Exhibit D-2**.

3. Exhibit D-2 also provides the date each Notice Letter was sent and the date each return was received.

4. Copies of the certified mail green cards and white slips are attached as Exhibit D-3 as supporting documentation for proof of mailing and the information provided on Exhibit D-2.

5. On March 5, 2024, I caused a notice to be published to all interested parties in the Hobbs News-Sun. An Affidavit of Publication from the Legal Clerk of the Hobbs News-Sun, along with a copy of the notice publication, is attached as **Exhibit D-4**.

6. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and it made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

<u>/s/ Dana S. Hardy</u> Dana S. Hardy <u>May 20, 2024</u> Date



### HINKLE SHANOR LLP

ATTORNEYS AT LAW P.O. BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623

February 27, 2024

WRITER: Dana S. Hardy, Partner dhardy@hinklelawfirm.com

<u>VIA CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

#### TO ALL PARTIES ENTITLED TO NOTICE

Re: Case No. 24254 – Application of Avant Operating, LLC for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Lea County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed application was filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **March 21, 2024**, beginning at 8:15 a.m.

The hearing will be conducted in a hybrid fashion, both in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the WebEx virtual meeting platform. To participate virtually, instructions OCD Hearings see the posted on the website: https://www.emnrd.nm.gov/ocd/hearing-info/. 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.

Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. Mountain Time, on the Thursday preceding the scheduled hearing date. The statement must be submitted through the OCD E-Permitting system (https://wwwapps.emnrd.nm.gov/ocd/ocdpermitting/) or via e-mail to ocd.hearings@emnrd.nm.gov 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.

Please contact Tiffany Sarantinos, Senior Landman at Avant Operating, LLC, at (720) 746-5048, if you have questions regarding these matters.

Sincerely,

/s/ Dana S. Hardy
Dana S. Hardy

Avant Operating, LLC Case No. 24254 Exhibit D-1

Enclosure

PO BOX 10 ROSWELL, NEW MEXICO 88202 (575) 622-6510 FAX (575) 623-9332 7601 JEFFERSON ST NE · SUITE 180 ALBUQUERQUE, NEW MEXICO 87109 505-858-8320 (FAX) 505-858-8321 PO BOX 2068 SANTA FE, NEW MEXICO 87504 (505) 982-4554 FAX (505) 982-8623

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

# NOTICE LETTER CHART

NOTICE LETTER SENT	<b>RETURN RECEIVED</b>
02/27/24	03/08/24
02/27/24	03/05/24
02/27/24	Per USPS Tracking
	(Last Checked 05/20/24):
	03/01/24 – Delivered to
	individual at the address.
02/27/24	03/11/24
02/27/24	03/08/24
02/27/24	03/18/24
02/27/24	03/04/24
02/27/24	03/12/24
	Return to sender.
02/27/24	03/05/24
02/27/24	04/02/24
	Return to sender.
	02/27/24 02/27/24 02/27/24 02/27/24 02/27/24 02/27/24 02/27/24 02/27/24

Avant Operating, LLC Case No. 24254 Exhibit D-2

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

Beverly Jean Renfro Barr, Trustee of	02/27/24	03/04/24
Family Trust uwo Richard K. Barr		
8027 Chalk Knoll Dr.		Return to sender.
Austin, TX 78735		
Barstow Energy LLC	02/27/24	03/08/24
PO Box 50880		
Midland, TX 79710-0880		
Bettis Brothers Inc	02/27/24	03/08/24
500 W Texas, #830		
Midland, TX 79701		
Travis and Patricia Bowles	02/27/24	03/05/24
5911 S. Indianapolis Place		
Tulsa, OK 74135		
Bureau of Land Management	02/27/24	03/04/24
301 Dinosaur Trail		
Santa Fe, NM 87508		
Burlington Resources Oil & Gas	02/27/24	04/02/24
Company LP		
PO Box 51810		Return to sender.
Midland, TX 79710		
COG Operating LLC	02/27/24	03/08/24
600 W Illinois Ave		
Midland, TX 79701		
CXA Oil & Gas Holdings, LP	02/27/24	03/18/24
6000 Legacy Dr.		
Plano, TX 75024-3601		
Callaway Prod Co. Inc.	02/27/24	03/20/24
415 W Wall St., Ste. 205		
Midland, TX 79701-4417		Return to sender.
Cayuga Royalties, LLC	02/27/24	04/02/24
PO Box 540711		
Houston, TX 77254		Return to sender.
Centennial	02/27/24	03/08/24
PO Box 1837		
Roswell, NM 88202-1837		

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

Chase Mack C Trustee	02/27/24	03/06/24
2103 W Main St.	02/27/24	03/00/24
Artesia, NM 88210-3701		
Chase Oil Corp.	02/27/24	03/06/24
11352 Lovington Hwy	02/27/24	03/00/24
Artesia, NM 88210-9634		
Chevron Midcontinent, L.P.	02/27/24	03/08/24
· · · · · · · · · · · · · · · · · · ·	02/2//24	03/08/24
6001 Bollinger Canyon Rd. San Ramon, CA 94583		
Chisos Ltd.	02/27/24	03/08/24
	02/2//24	03/08/24
1331 Lamar St., Ste. 1077		
Houston, TX 77010-3135	02/27/24	05/16/04
Cibolo Oil & Gas, LLC	02/27/24	05/16/24
3600 Bee Cave Rd., Ste. 102		
West Lake Hills, TX 78746	02/27/24	Return to sender.
Cibolo Royalties I, LLC	02/27/24	05/16/24
3600 Bee Cave Rd., Ste. 102		
West Lake Hills, TX 78746	02/27/24	Return to sender.
Cody Energy Inc.	02/27/24	Return card received on
7555 E Hamden Ave #600		03/04/24.
Denver, CO 80231		Determ to any low marked
		Return to sender received $ar 02/12/24$
Colorta Energy Management LLC	02/27/24	on 03/12/24.
Colgate Energy Management, LLC	02/27/24	03/04/24
300 N. Marienfeld St., Suite 1000		
Midland, TX 79701	02/27/24	03/04/24
Colgate Opportunistic Investments I, LLC	02/2//24	03/04/24
300 N. Marienfeld St., Suite 1000 Midland, TX 79701		
Compass Oil & Gas, LP	02/27/24	03/08/24
PO Box 1389	02/2//24	03/08/24
Midland, TX 79702-1389		
Coterra Energy	02/27/24	03/18/24
65	02/2//24	03/10/24
1700 Lincoln Street		
Denver, CO 80203		

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

	00/07/04	
Coyote Oil & Gas LLC	02/27/24	03/04/24
PO Box 1708		
Hobbs, NM 88241-1708		
Susan Jennings Croft, Katie Elizabeth	02/27/24	Per USPS Tracking
Croft, and Justin Jennings Croft, Co-		(Last Checked 05/20/24):
Trustees of the Croft Living Trust, dated		
Sep. 25, 2020		03/05/24 – Item in transit
11700 Preston Rd., Suite 660, PMB 390		to the next facility.
Dallas, TX 75230		
Cross Border Resources Inc.	02/27/24	03/20/24
14282 Gillis Rd		
Farmers Branch, TX 75244-3715		Return to sender.
DENM Holdco, LLC	02/27/24	Per USPS Tracking
3724 Hulen St.		(Last Checked 05/20/24):
Fort Worth, TX 76107		
		03/01/24 – Delivered to
		individual at the address.
Delmar Holdings LP	02/27/24	03/12/24
1221 Lamar St., Ste. 1328		
Houston, TX 77010-3050		Return to sender.
Dixie Lake Operating LLC	02/27/24	03/07/24
PO Box 2109		
Longview, TX 75606-2109		
Dominion Oklahoma Texas Expl & Prod	02/27/24	Per USPS Tracking
Inc.		(Last Checked 05/20/24):
14000 Quail Springs Pkwy., Ste. 6		
Oklahoma City, OK 73124-2600		03/01/24 – Item
		forwarded to a different
		address.
EOG Resources	02/27/24	03/25/24
1111 Bagby Street, Sky Lobby 2		
Houston, TX 77002		
EOG Resources Inc.	02/27/24	03/08/24
5509 Champions Drive		
Midland, TX 79706		

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

Endeavor Energy Resources LP	02/27/24	03/04/24
110 N Marienfeld, #200		
Midland, TX 79701-4421		
Endurance Properties Inc.	02/27/24	03/12/24
15455 Dallas Pkwy., Ste. 1050		
Addison, TX 75001-6721		Return to sender.
Franklin Mountain Royalty Investments,	02/27/24	03/04/24
LLC		00/01/21
44 Cook St., Suite 1000		
Denver, CO 80206		
G & C Service	02/27/24	03/04/24
2502 Heath St.		
Artesia, NM 88210-9315		
G.P.C. Oil & Gas Corporation	02/27/24	04/02/24
PO Box 50982		
Midland, TX 79710-0982		Return to sender.
Geronimo Holding Corporation	02/27/24	Per USPS Tracking
PO Box 804		(Last Checked $05/20/24$ ):
Midland, TX 79702-0804		
		03/06/24 – Item picked
		up at postal facility.
Goodman Energy, LLC	02/27/24	03/04/24
PO Box 2001		
Edmond, OK 73083		
Greenville Partners	02/27/24	03/26/24
PO Box 50612		
Midland, TX 79710-0612		Return to sender.
Roy Edward Guinnup	02/27/24	03/14/24
301 Commerce St., Suite 1830		
Fort Worth, TX 76102-4189		Return to sender.
H and S Drilling Co.	02/27/24	Per USPS Tracking
PO Box 701620		(Last Checked 05/20/24):
Tulsa, OK 74170-1620		
		03/05/24 – Item in transit
		to next facility.

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

IIMD-#'- L	02/27/24	03/14/24
H M Bettis Inc	02/27/24	03/14/24
PO Box 1240		
Graham, TX 76046		
Hanesco Inc.	02/27/24	03/06/24
PO Box 2588		
Roswell, NM 88202		
Headington Royalty Inc	02/27/24	03/07/24
1501 N Hardin Blvd., Ste. 100		
McKinney, TX 75071		
Hopper-Barnett Inc.	02/27/24	04/02/24
PO Box 1706		
Hobbs, NM 88241-1706		Return to sender.
Hunt Oil Co.	02/27/24	03/04/24
1900 N Akard St.		
Dallas, TX 75201-2300		
Jamie E. Jennings and George J. Lee,	02/27/24	03/07/24
Trustees of the Jennings-Lee Trust, dated		
Sep. 18, 2017		
PO Box 670326		
Dallas, TX 75367-0326		
John H Hendrix Corp.	02/27/24	03/05/24
110 N Marienfeld, #400		
Midland, TX 79701		Return to sender.
Sam H. Jolliffe, IV	02/27/24	03/20/24
3150 McMasters Rd.		
Billings, MT 59101		Return to sender.
Teresa H. Jolliffe	02/27/24	03/25/24
1610 North N St.		
Midland, TX 79701		Return to sender.
LNV Corporation	02/27/24	03/04/24
1970 Village Center Circle, Suite 1		
Las Vegas, NV 89134		
LOSB, Inc.	02/27/24	03/25/24
P.O. Box 158		
Pampa, TX 79066		Return to sender.

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

L T Lewis Estate	02/27/24	03/12/24
PO Box 1738		
Roswell, NM 88202-1738		Return to sender.
Lanexco Inc.	02/27/24	03/25/24
PO Box 2730		
Midland, TX 79702		Return to sender.
Lean Dog Limited Partnership No 1	02/27/24	03/04/24
PO Box 25203		
Dallas, TX 75225-1203		
Crystal Van Lom	02/27/24	03/14/24
3427 E. Woodland Dr.		
Phoenix, AZ 85048		Return to sender.
Lothian Oil Inc.	02/27/24	03/20/24
303 W Wall, #500		
Midland, TX 79701		Return to sender.
Lynx Petro Consultants Inc.	02/27/24	03/04/24
PO Box 1708		
Hobbs, NM 88241-1708		
MEC Development Ltd.	02/27/24	03/12/24
PO Box 4000		
The Woodlands, TX 77380-4000		Return to sender.
Mack Energy Corp.	02/27/24	03/04/24
PO Box 960		
Artesia, NM 88211-0960		
Manzano LLC	02/27/24	03/14/24
121 W 3RD St.		
Roswell, NM 88201-4707		Return to sender.
Marathon Oil Permian LLC	02/27/24	03/08/24
990 Town and Country Blvd.		
Houston, TX 77024		
Marbob Energy Corp.	02/27/24	03/08/24
808 W Main St.		
Artesia, NM 88210-1963		
Marshall & Winston	02/27/24	03/08/24
PO Box 50880		
Midland, TX 79710		

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

McCombs Energy, Ltd.	02/27/24	03/14/24
5599 San Felipe St., Suite 1220		
Houston, TX 77056-2724		Return to sender.
McKay Oil Corporation	02/27/24	03/04/24
P.O. Box 2014		
Roswell, NM 88202		
McKay Petroleum Corp.	02/27/24	03/04/24
PO Box 2014		
Roswell, NM 88202		
Roy L. McKay and Charolette M. McKay,	02/27/24	03/04/24
Trustees of the McKay Living Trust dtd		
July 2, 1982		
6204 North Main St.		
Roswell, NM 88201		
Mewbourne Oil	02/27/24	03/11/24
P.O. Box 7698		
Tyler, TX 75711		
Monticello Minerals LLC	02/27/24	03/05/24
5528 Vickery Blvd.		
Dallas, TX 75206		
Moriah Oil and Gas LLC	02/27/24	04/16/24
PO Box 50465		
Midland, TX 79710-0465		Return to sender.
Nadel and Gussman Permian, L.L.C.	02/27/24	03/05/24
15 East 5th St., Suite 3300		
Tulsa, OK 74103-4340		
New Mexico State Land Office	02/27/24	03/06/24
310 Old Santa Fe Trail		
Santa Fe, NM 87504-1148		
Nortex Corp.	02/27/24	03/12/24
1415 Louisiana St., Ste. 3100		
Houston, TX 77002-7353		Return to sender.
Northern Oil and Gas, Inc.	02/27/24	03/07/24
4350 Baker Road, Ste. 400		
Minnetonka, MN 55343		

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

Nuevo Seis Inc.	02/27/24	03/06/24
PO Box 182		
Roswell, NM 88202		
Osprey Oil & Gas	02/27/24	03/26/24
2400 Humble Ave.		
Midland, TX 79705		Return to sender.
Paper Time Inc.	02/27/24	03/20/24
119 N Colorado, #505		
Midland, TX 79701		Return to sender.
Pegasus Resources II, LLC	02/27/24	03/11/24
PO Box 470698		
Fort Worth, TX 76147		
Permian Resources	02/27/24	03/04/24
300 N. Marienfeld Street, #1000		
Midland, TX 79701		
Permian Resources Operating LLC	02/27/24	03/04/24
1012 Stuart Rd. NW		
Albuquerque, NM 87114		
Prevail Energy LLC	02/27/24	03/15/24
521 Dexter St.		
Denver, CO 80220		
Pride Energy Company	02/27/24	03/04/24
4641 E 91st St.		
Tulsa, OK 74137		
Pruet Family Management, LLC	02/27/24	Per USPS Tracking
217 W. Capitol St., Suite 201		(Last Checked 05/20/24):
Jackson, MS 39201		
		03/06/24 – Item awaiting
		delivery.
Ray Westall Operating Inc.	02/27/24	03/07/24
PO Box 4		
Loco Hills, NM 88255-0004		
Red Bird Ventures, Inc.	02/27/24	Per USPS Tracking
15814 Champion Forest Dr., PMB 250		(Last Checked 05/20/24):
Houston, TX 77379		
		03/04/24 – Delivered to
		individual at the address.

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

Case No. 24254

Rice Brothers	02/27/24	03/04/24
5725 Ridgemont Pl.	02/2//24	05/04/24
Midland, TX 79707-5010		
Rock Products, Inc.	02/27/24	03/04/24
1012 Stuart Rd. NW	02/2//24	05/07/27
Albuquerque, NM 87114		
S & C Construction Inc.	02/27/24	04/02/24
202 Sawgrass Ln.	02,2,121	01/02/21
Broussard, LA 70518		Return to sender.
Saber Oil & Gas Ventures LLC	02/27/24	03/07/24
1031 Andrews Hwy., Ste. 310	02/2//24	03/07/24
Midland, TX 79701		
Sabine Holdings LP	02/27/24	03/04/24
312 W Sabine St.	02/2//24	05/07/27
Carthage, TX 75633-2519		
James G. Smith and Alyssa C. Smith, as	02/27/24	03/11/24
Co-Trustees of the Smith Family	02/2//24	05/11/24
Irrevocable Trust U/A/D 2/20/2018		
26750 McLaughlin Blvd.		
Bonita Springs, FL 34134		
Solis Partners LLC	02/27/24	03/07/24
4501 Santa Rosa Dr.		
Midland, TX 79707-2260 0		
Sonic Oil & Gas Inc.	02/27/24	03/12/24
PO Box 1240		
Graham, TX 76540-1240		
Kay Sweaney Sorvillo	02/27/24	03/08/24
3507 Stonehaven Rd.		
San Antonio, TX 78230		
Southwest Royalties, Inc.	02/27/24	03/04/24
200 N Loraine St., Ste. 400		
Midland, TX 79701		
Gary W. Sweaney	02/27/24	03/08/24
12938 King Circle		
Cypress, TX 77429		

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

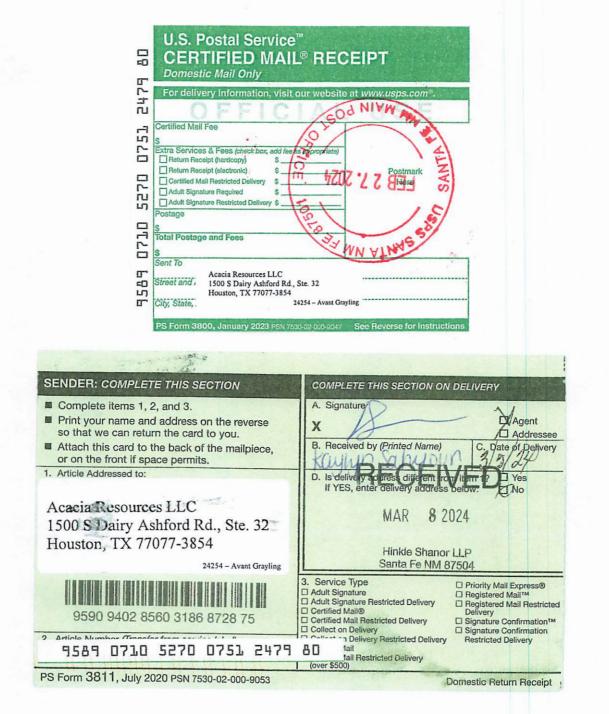
Case No. 24254

Richard H. Sweaney, III	02/27/24	04/02/24
P.O. Box 1803	02/27/24	04/02/24
Forney, TX 75126		Return to sender.
Sydhan, LP	02/27/24	03/08/24
P.O. Box 92349	02/27/24	05/08/24
Austin, TX 78709		
TJG Energy LLC	02/27/24	Per USPS Tracking
3402 E Anderson Dr.		(Last Checked $05/20/24$ ):
Lovington, NM 88260-9406		
Lovington, Nin 88200-9400		03/01/24 – Delivered to
		individual at the address.
TWR IV, LLC	02/27/24	Per USPS Tracking
3724 Hulen St.		(Last Checked 05/20/24):
Fort Worth, TX 76107		
		03/01/24 – Delivered to
		individual at the address.
Tandem Energy Corp.	02/27/24	03/11/24
5065 Westheimer Rd., Ste. 920		
Houston, TX 77056-5605		
Taylor Neal A Estate	02/27/24	03/14/24
PO Box 406		
Terlingua, TX 79852-0406		
Three Lain Corp.	02/27/24	Per USPS Tracking
2200 Scurry St.		(Last Checked 05/20/24):
Big Spring, TX 79720-5551		
		03/06/24 – Delivery
		attempted.
Tritex Energy A LP	02/27/24	Per USPS Tracking
15455 Dallas Pkwy., Ste. 600		(Last Checked 05/20/24):
Addison, TX 75001-6760		
		03/13/24 – Delivered to
		front desk, reception
		area, or mail room.
Turnco Inc.	02/27/24	03/15/24
PO Box 1240		
Graham, TX 76046		

### APPLICATION OF AVANT OPERATING, LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, LEA COUNTY, NEW MEXICO

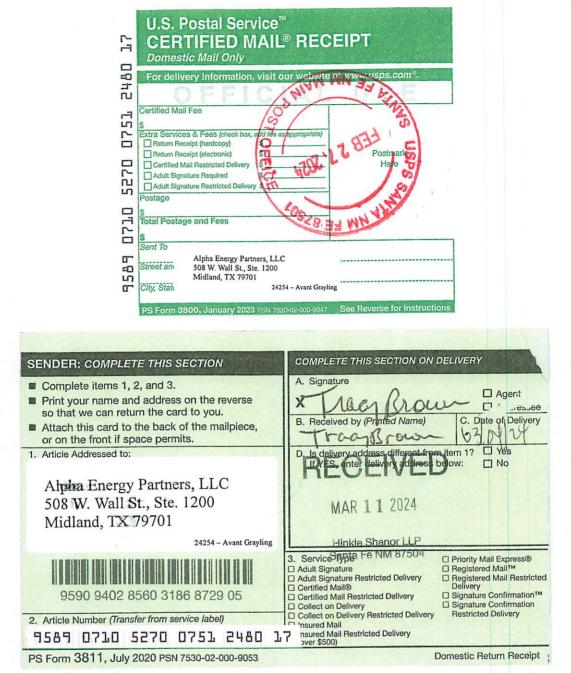
Case No. 24254

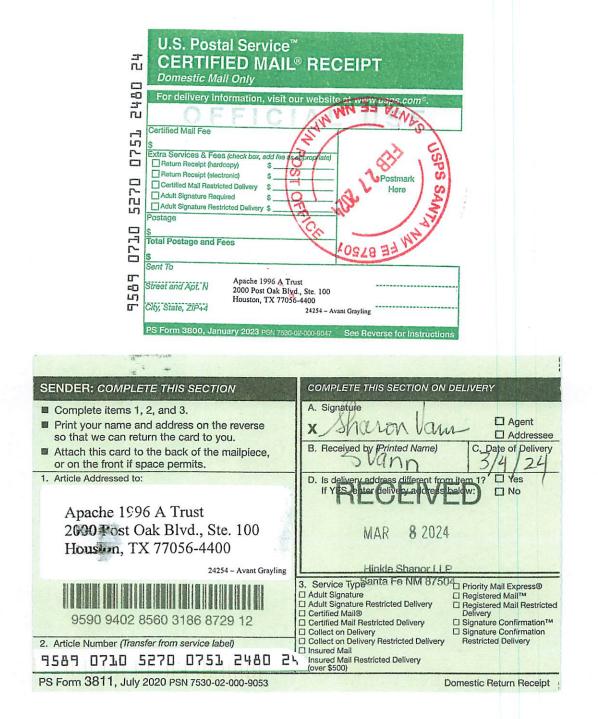
Upland Production Co.	02/27/24	03/25/24
PO Box 481	02/2//21	00/20/21
Midland, TX 79702-0481		Return to sender.
WPX Energy Permian LLC	02/27/24	03/05/24
333 W Sheridan Avenue	0_/_/_/	
Oklahoma City, OK 73102		
Wadi Petroleum, Inc.	02/27/24	03/14/24
4355 Sylvanfield Dr., Ste. 200		
Houston, TX 77014-1649		Return to sender.
Walsh & Watts Inc	02/27/24	Per USPS Tracking
155 Walsh Dr.		(Last Checked 05/20/24):
Aledo, TX 76008		
,		03/01/24 – Delivered to
		individual at the address.
Ray Westall and wife, Karen Westall	02/27/24	03/07/24
PO Box 4		
Loco Hills, NM 88255		
White Rock Royalty Partners No 1	02/27/24	03/25/24
427 S Boston Ave,. Ste. 711		
Tulsa, OK 74103-4112		Return to sender.
Wilma Donohue Moleen Foundation	02/27/24	03/22/24
10 S. Dearborn St.		
Chicago, IL 60603		
Cynthia Mae Wilson, Trustee	02/27/24	03/11/24
4601 Mirador Dr.		
Austin, TX 78735-1554		
XTO Holdings LLC	02/27/24	03/08/24
22777 Springwoods Village Pkwy.		
Spring, TX 77389-1425		
ZPZ Delaware I, LLC	02/27/24	03/04/24
303 Veterans Airpark Lane, Suite 1000		
Midland, Texas 79705		
Zunis Energy, LLC	02/27/24	03/08/24
15 E. 5th St., Suite 300		
Tulsa, OK 74103		



Avant Operating, LLC Case No. 24254 Exhibit D-3









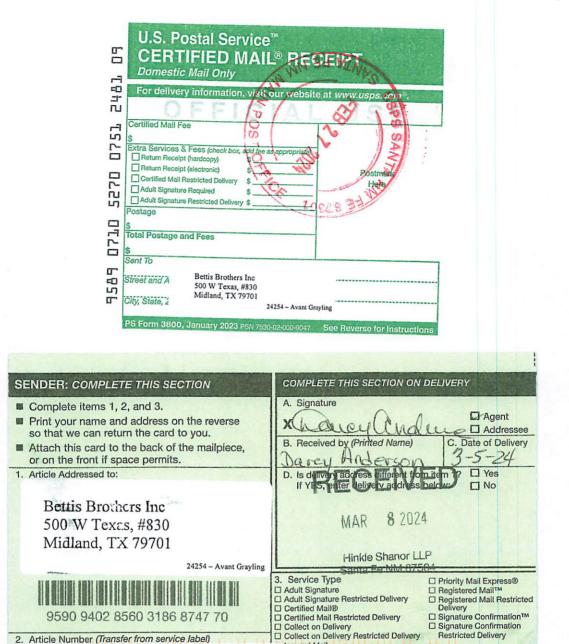












Insured Mail 'nsured Mail Restricted Delivery

over \$500)

PS Form 3811, July 2020 PSN 7530-02-000-9053

9589 0710 5270 0751 2481



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over \$500)

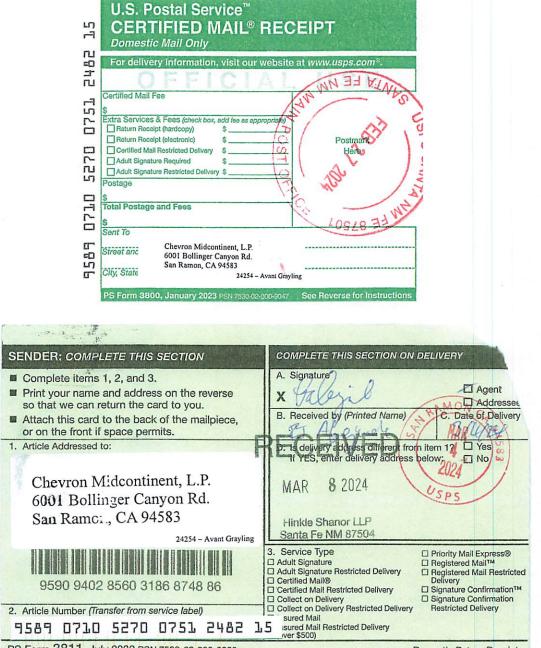
9589 0710 5270 0751 2481 PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

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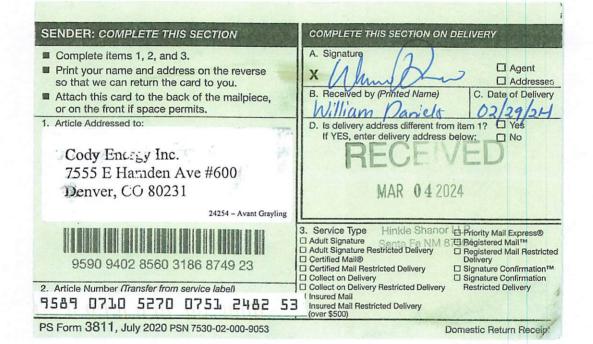




PS Form 3811, July 2020 PSN 7530-02-000-9053







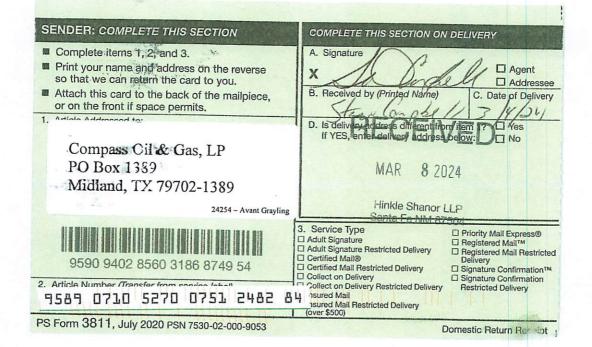
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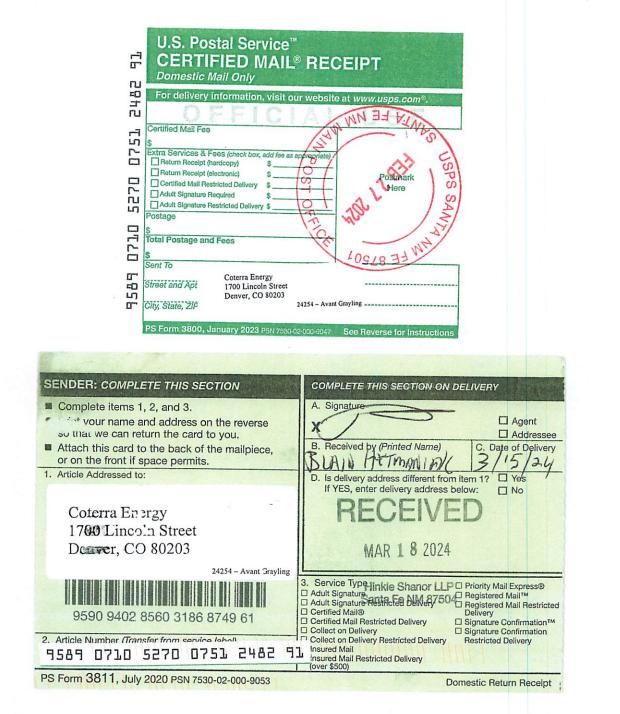
U.S. Postal Service	
	RECEIPT
Domestic Mail Only	
For delivery information, visit ou	r website at <i>www.usps.com®</i> .
~ OFFICI	NIN == NIN
Certified Mail Fee	3ª
الم الجي الحيث المن المن المن المن المن المن المن المن	
Return Receipt (hardcopy) \$	
	A Here A
Adult Signature Required \$	13/ 10/ 13
Postage	A A A
Total Postage and Fees	Ca mit
r-	The LOGLE BANN
Sent To	
Colgate Energy Management, LLC Street a 300 N. Marienfeld St., Suite 1000	
Midland, TX 79701	Avant Grayling
PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
	A. Signature / // /
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse</li> </ul>	Acent
so that we can return the card to you.	X C / AMARK Addressee
Attach this card to the back of the mailpiece,	B. Received by (Printed Name) C. Date of Delivery
or on the front if space permits.	3/1/24
1. Article Addressed to:	D. Is delivery address different from item 1?  Yes If YES, enter delivery address below: No
Colorto Engrava Managament II.C.	DECEIVED
Colgate Energy Management, LLC	RECEIVED
300 N. Marienfeld St., Suite 1000	
Midland, TX 79701	MAR 04 2024
24254 - Avant Grayling	
NI M MANNER ANNAL INVESTIGATION IN AND AND AND AND AND AND AND AND AND AN	3. Service Type Hinkle Shanoic Provinty Mail Express®
	Adult Signature Restricted Delivery M Begistered Mail M Begistered Mail Restricted
9590 9402 8560 3186 8749 30	□ Certified Mail® Delivery □ Certified Mail Restricted Delivery □ Signature Confirmation™
2. Article Number (Transfer from consists 1)	Collect on Delivery Collect on Delivery Restricted Delivery Restricted Delivery Restricted Delivery
9589 0710 5270 0751 2482 60	nsured Mail
1361 0.1	Josured Mail Restricted Delivery (over \$500)
PS Form 3811, July 2020 PSN 7530-02-000-9053	Domestic Return Receipt



PS Form 3811, July 2020 PSN 7530-02-000-9053









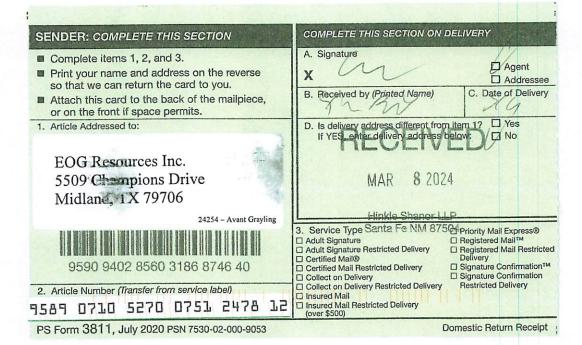




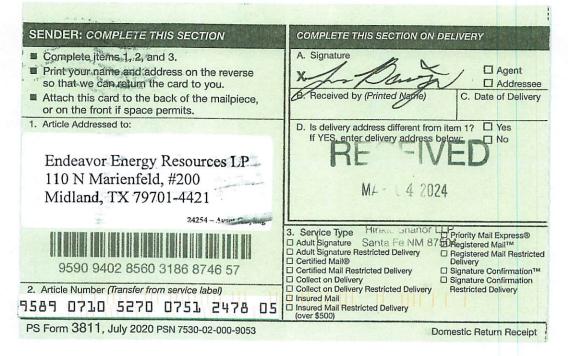






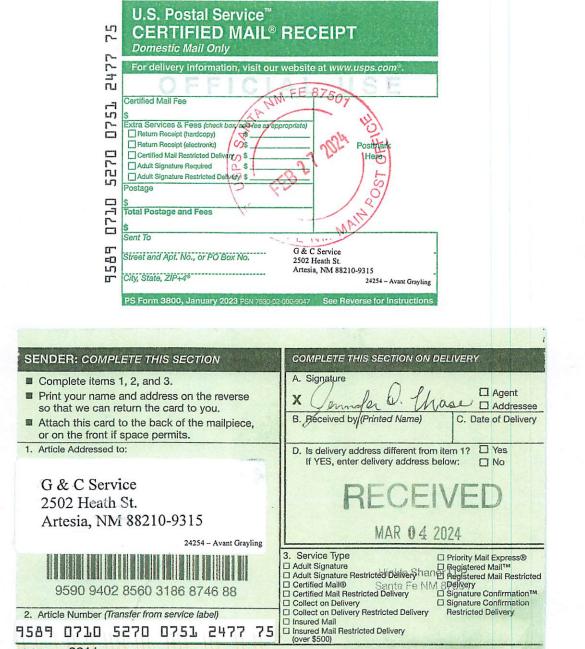




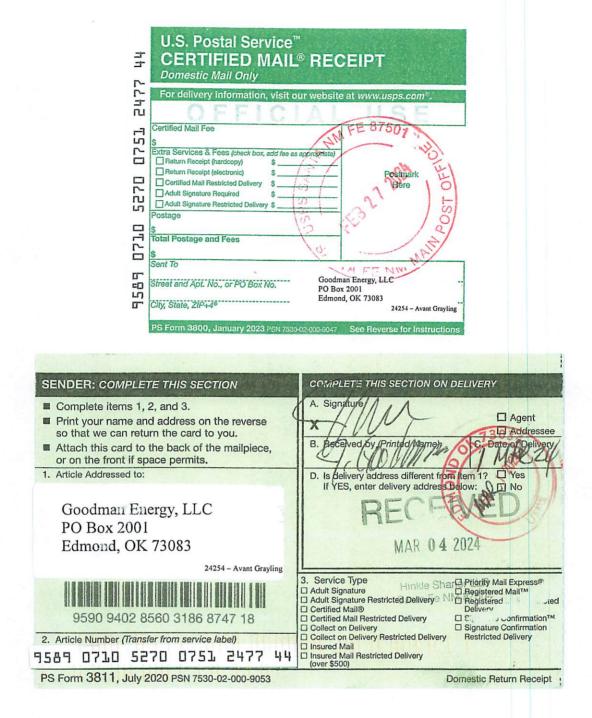


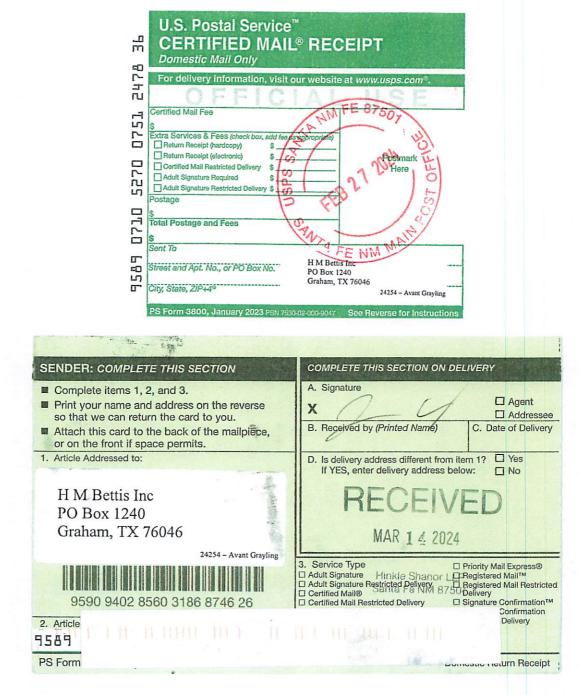




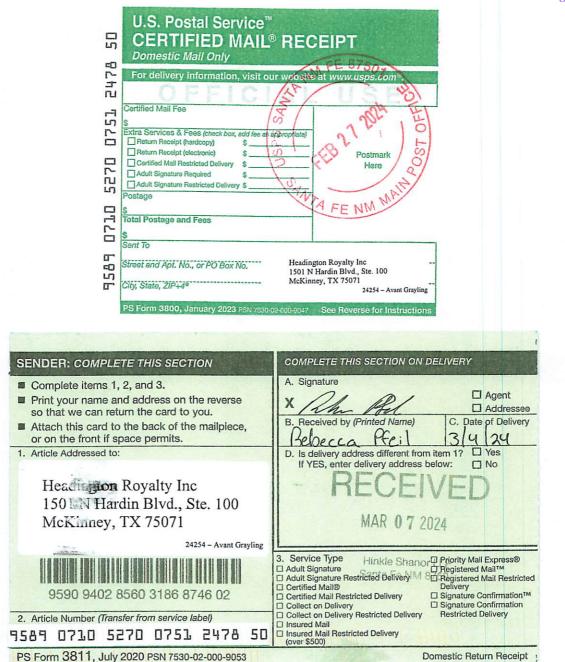


PS Form 3811, July 2020 PSN 7530-02-000-9053

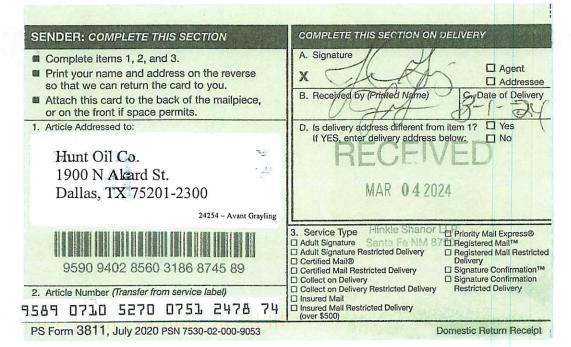




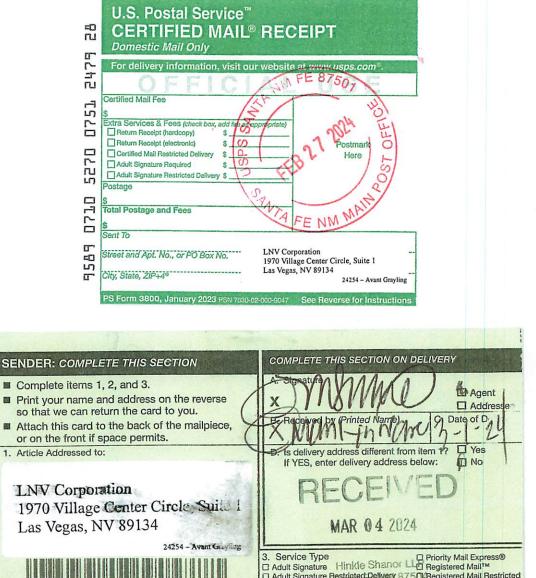












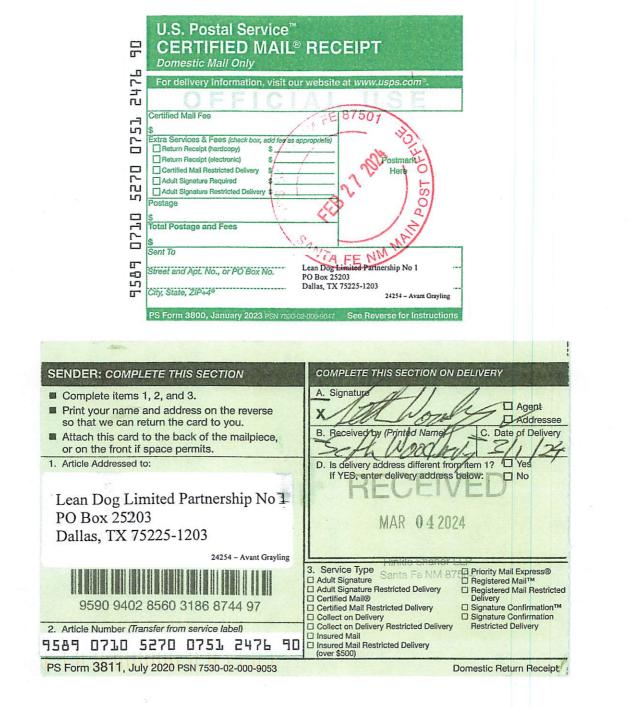
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 □ Adult Signature Restricted Delivery 87504 Registered Mail™

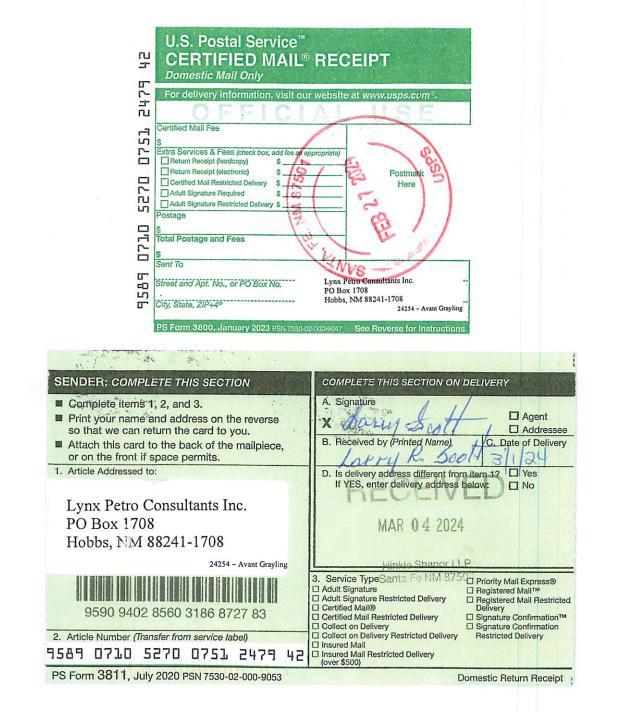
 2. Article Number (Transfer from service label)
 □ Collect on Delivery
 □ Signature Confirmation™

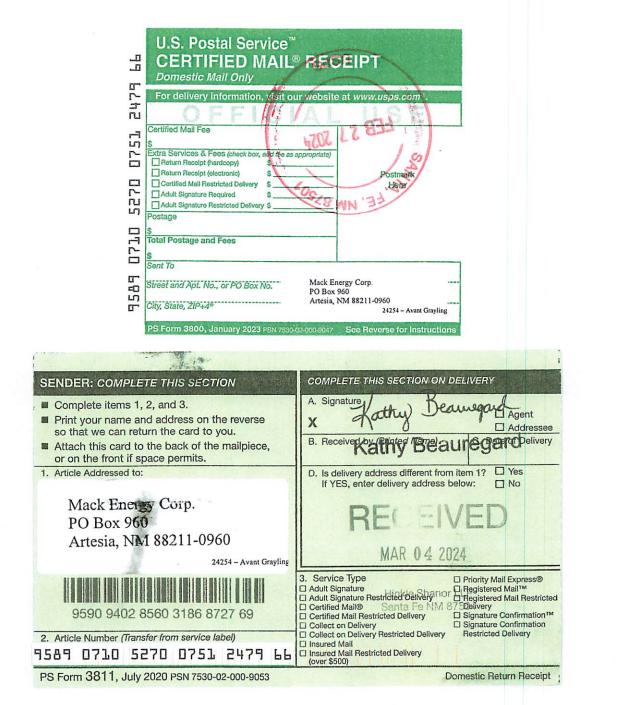
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 □ Adult Signature Restricted Delivery
 □ Signature Confirmation™

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 □ Signature Confirmation™
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 □ Signature Confirmation™

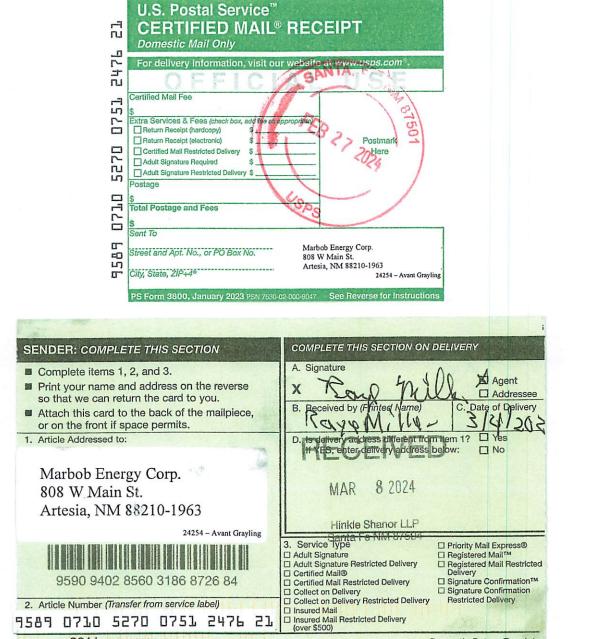
PS Form 3811, July 2020 PSN 7530-02-000-9053











PS Form 3811, July 2020 PSN 7530-02-000-9053





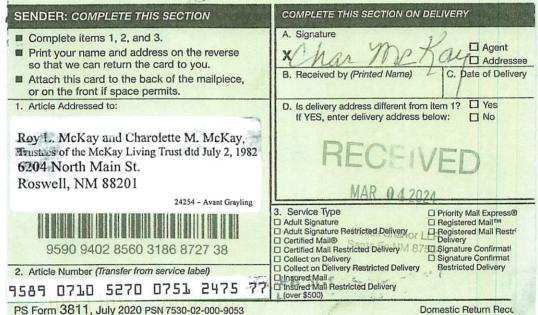


PS Form 3811, July 2020 PSN 7530-02-000-9053



i.







D. Is delivery address different in If YES, enter delivery address

Collect on Delivery Restricted Delivery

Insured Mail Restricted Delivery (over \$500)

Insured Mail

MAR 11 2024

Hinkle Shanor LLP Santa Fe NM 87504

1. Article Addressed to:

HERE .

Mewbourne Oil

2. Article Number (Transfer from service label)

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PS Form 3811, July 2020 PSN 7530-02-000-9053

P.O. Box 7698 Tyler, TX 75711 24254 - Avant Grayling 3. Service Type Adult Signature
 Adult Signature Restricted Delivery Certified Mail® 9590 9402 8560 3186 8727 45 Certified Mail Restricted Delivery Collect on Delivery

Domestic Return Receipt

Priority Mail Express®

Signature Confirmation

**Restricted Delivery** 

Registered Mail ☐ Registered Mail Restricted Delivery
 ☐ Signature Confirmation™

1 Yes

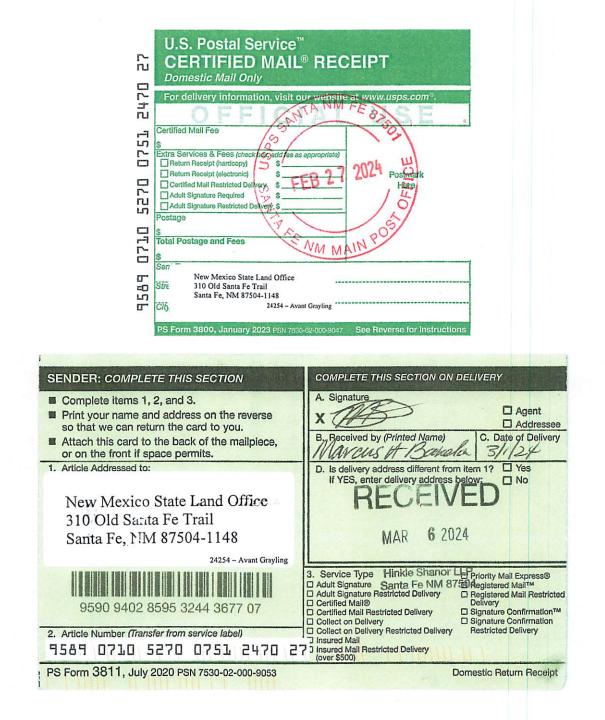
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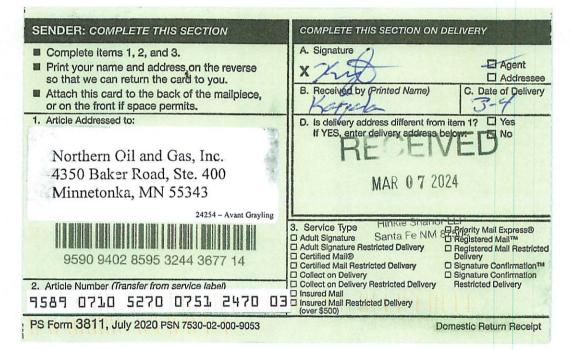












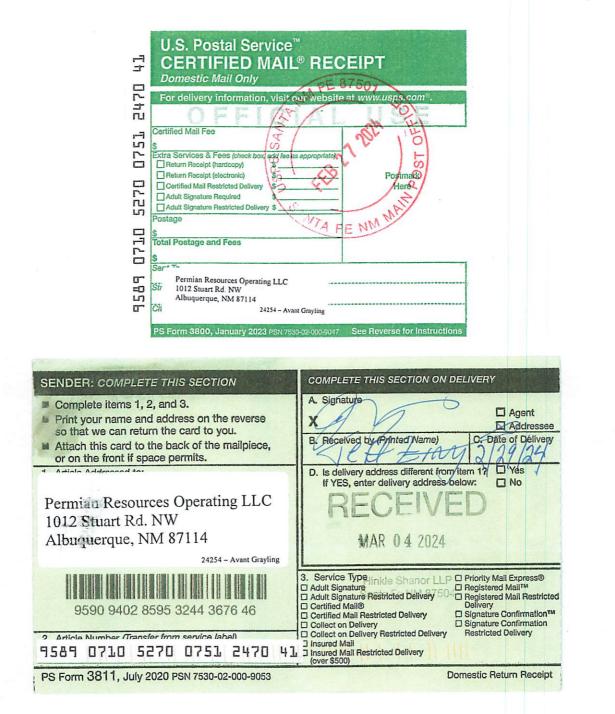






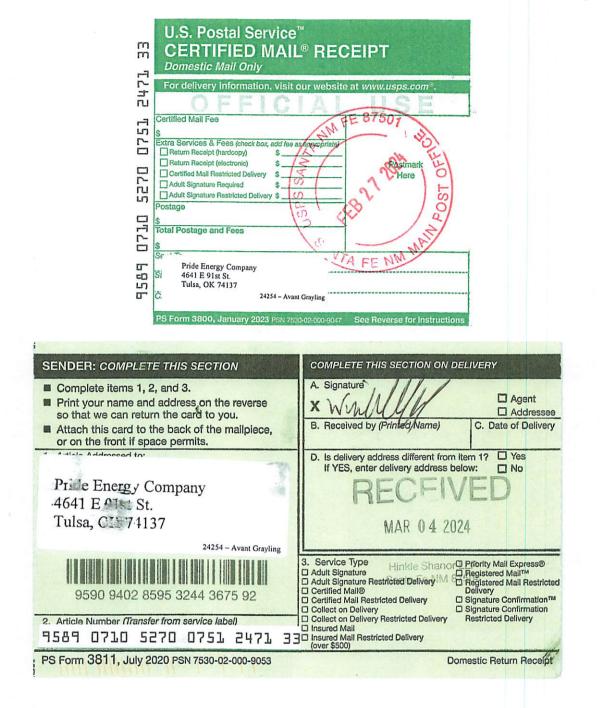














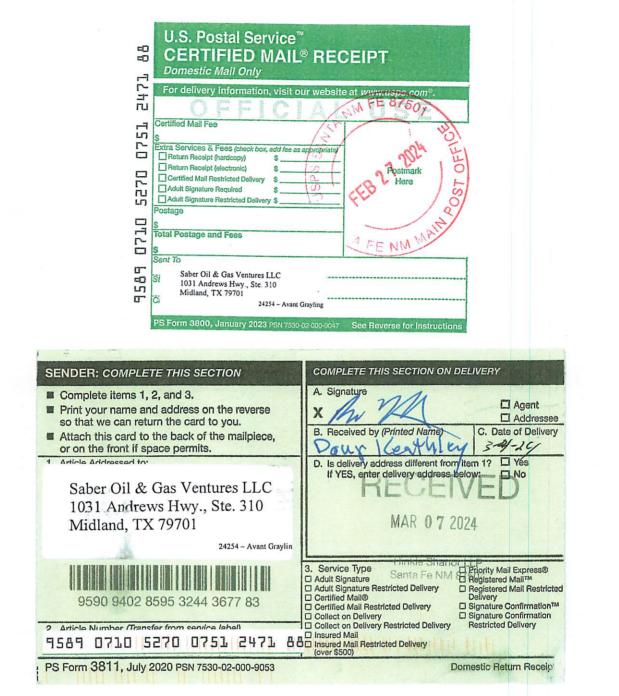
## Page 251 of 347



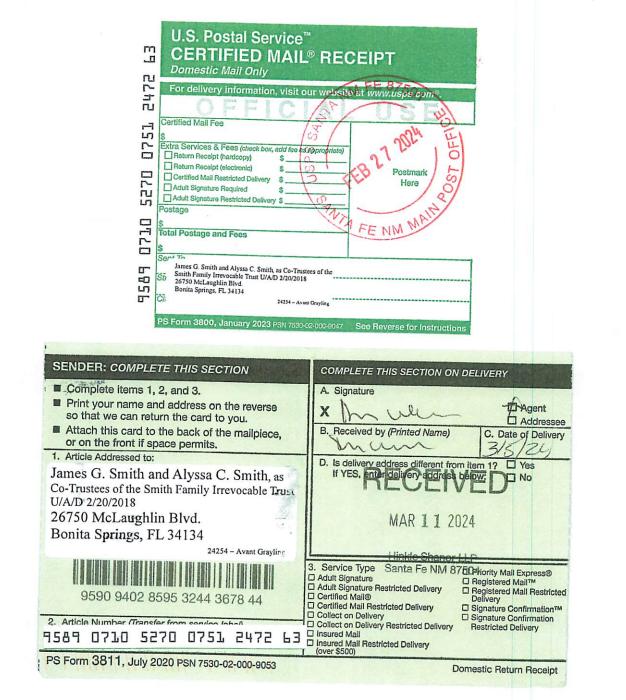








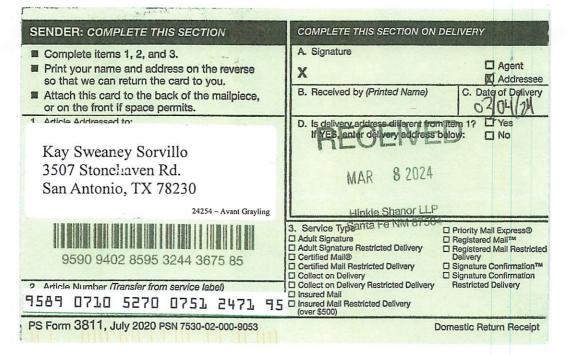














 24254 – Avant Grayling

 3. Service Type

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 Certified Mail Restricted Delivery

 Certified Mail Restricted Delivery

 Certified Mail Restricted Delivery

 Collect on Delivery Restricted Delivery

 Signature Confirmation

 Restricted Delivery

 Signature Confirmation

 Collect on Delivery Restricted Delivery

 Signature Confirmation

 Restricted Delivery

 Insured Mail

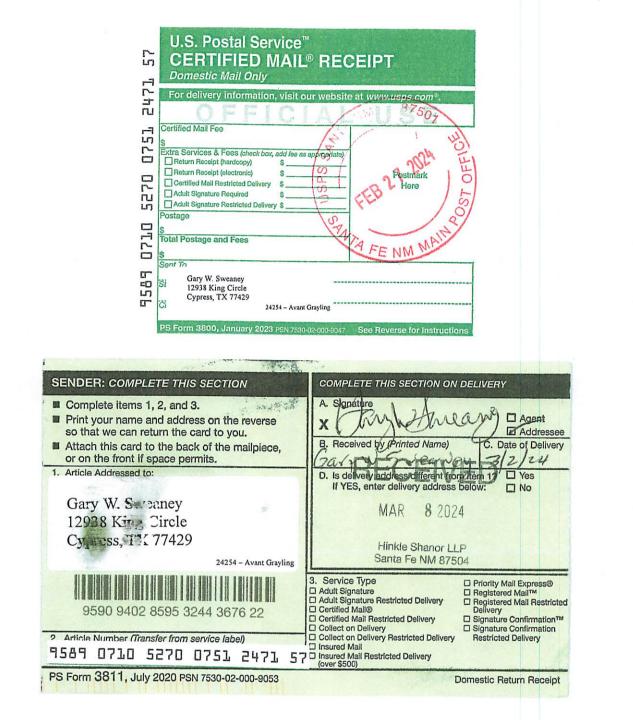
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 Restricted Delivery

 (over \$500)

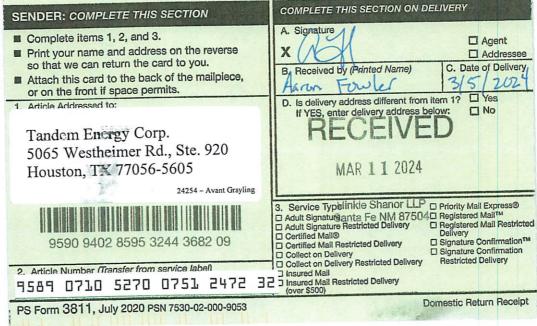
 Domestic Return Receipt

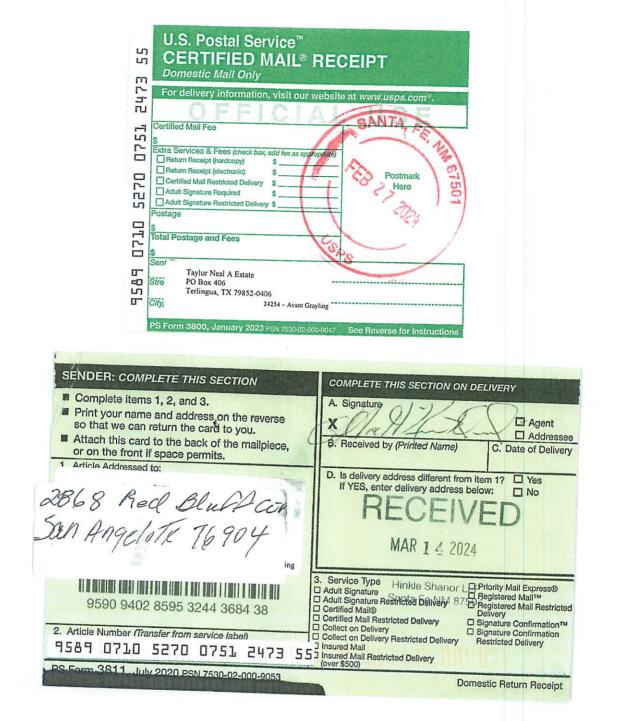


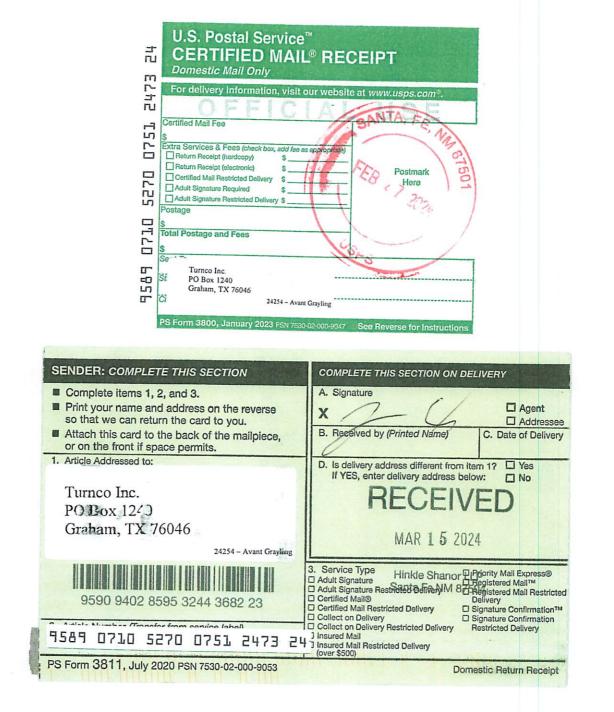


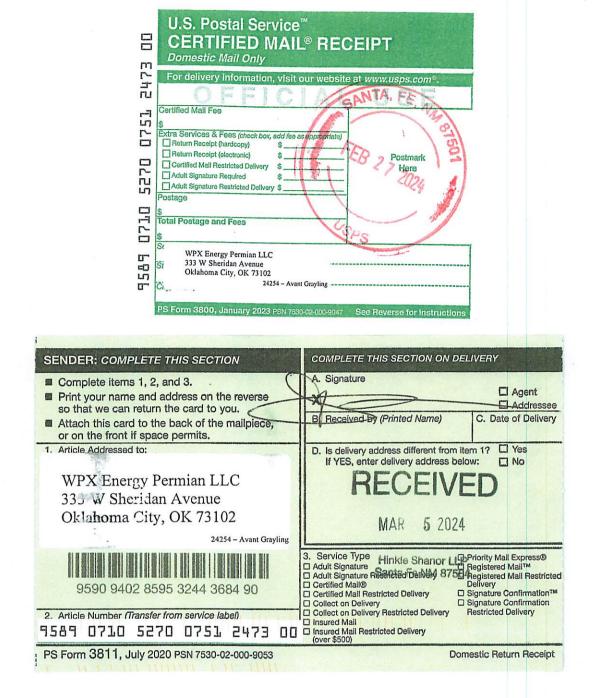


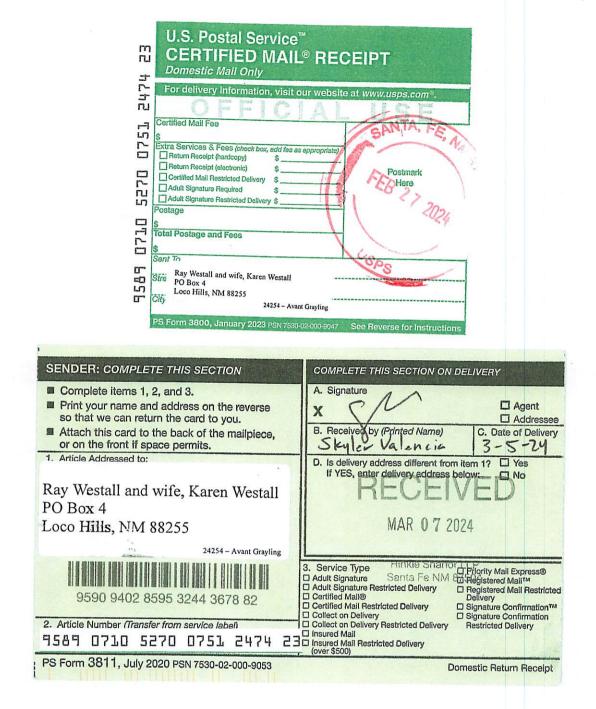




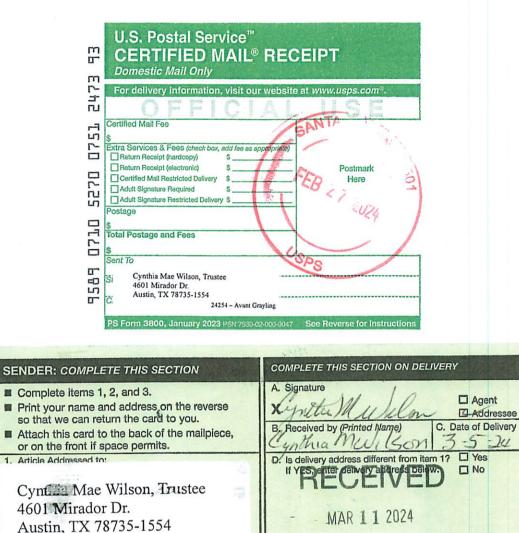












24254 - Avant Grayling

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PS Form 3811, July 2020 PSN 7530-02-000-9053

2. Article Number (Transfer from service label)

3.

Service Typganta Fe NM 87504⊐ Priority Mail Express® Adult Signature □ Registered Mail™

Registered Mail \*\*
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 Signature Confirmation
 Signature Confirmation
 Restricted Delivery

**Restricted Delivery** 

**Domestic Return Receipt** 

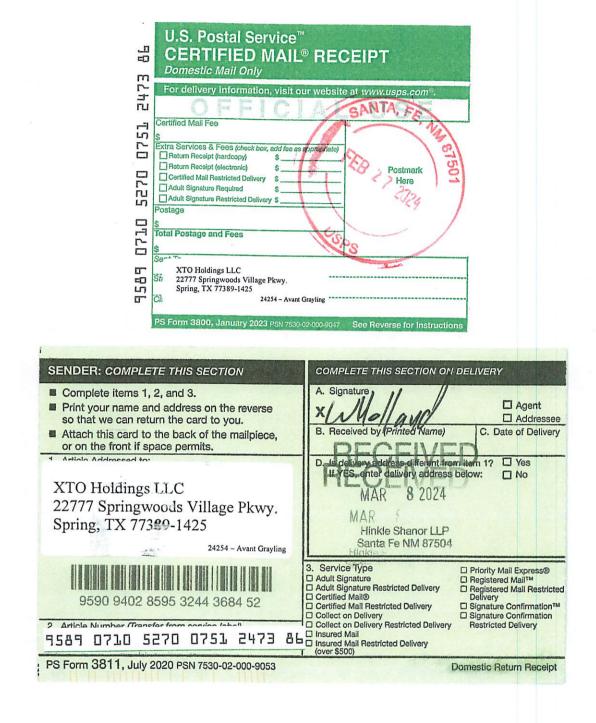
Adult Signature
 Adult Signature Restricted Delivery

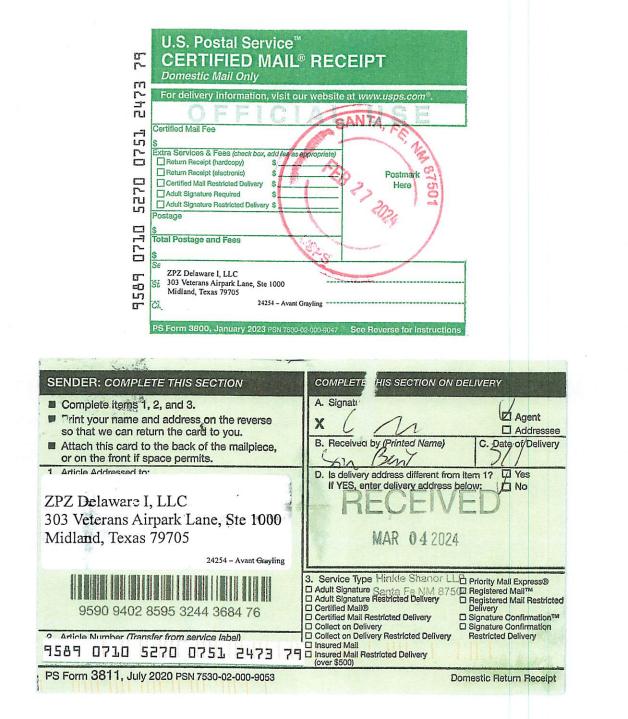
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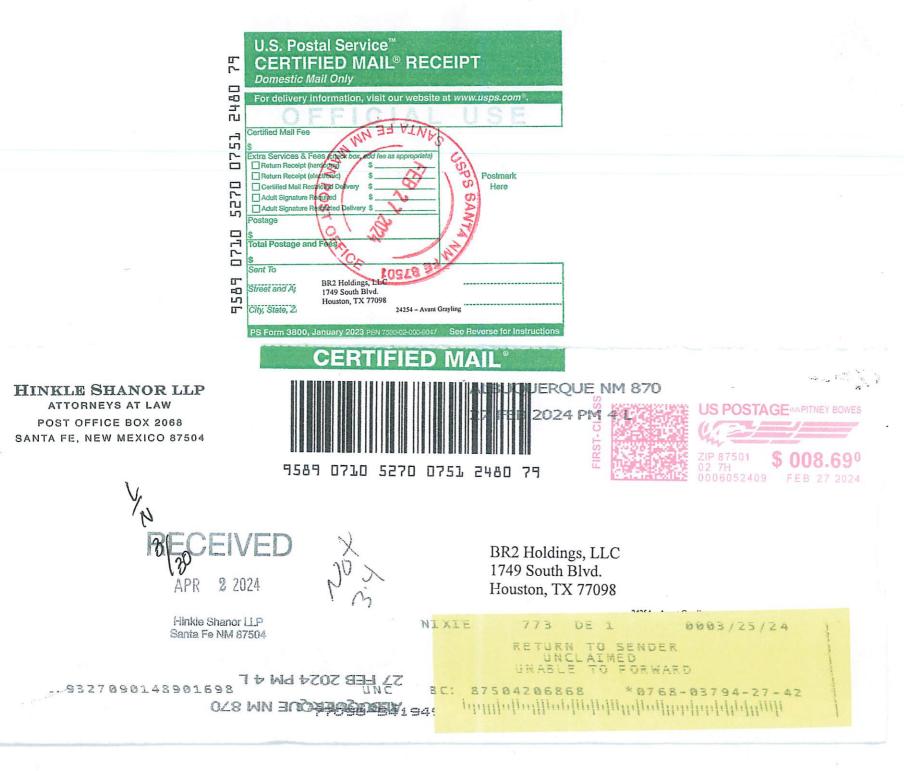
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Page 275 of 347



Page 276 of 347



HINKLE SHANOR LLP ATTORNEYS AT LAW POST OFFICE BOX 2068 SANTA FE, NEW MEXICO 87504

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HINKLE SHANOR LLP ATTORNEYS AT LAW POST OFFICE BOX 2068 SANTA FE, NEW MEXICO 87504



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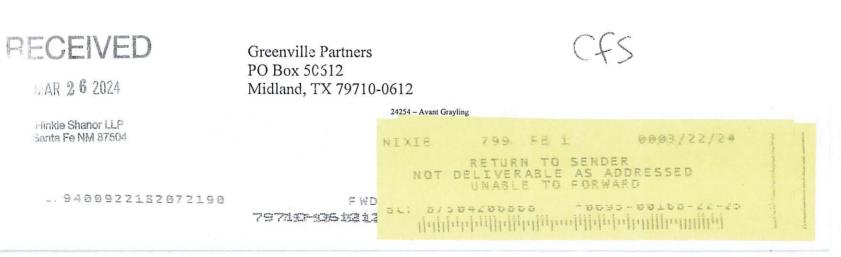






HINKLE SHANOR LLP ATTORNEYS AT LAW POST OFFICE BOX 2068

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Page 285 of 347



HINKLE SHANOR LLP

ATTORNEYS AT LAW POST OFFICE BOX 2068 SANTA FE, NEW MEXICO 87504

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301 Commerce St., Suite 1830 Fort Worth, TX 76102-4189

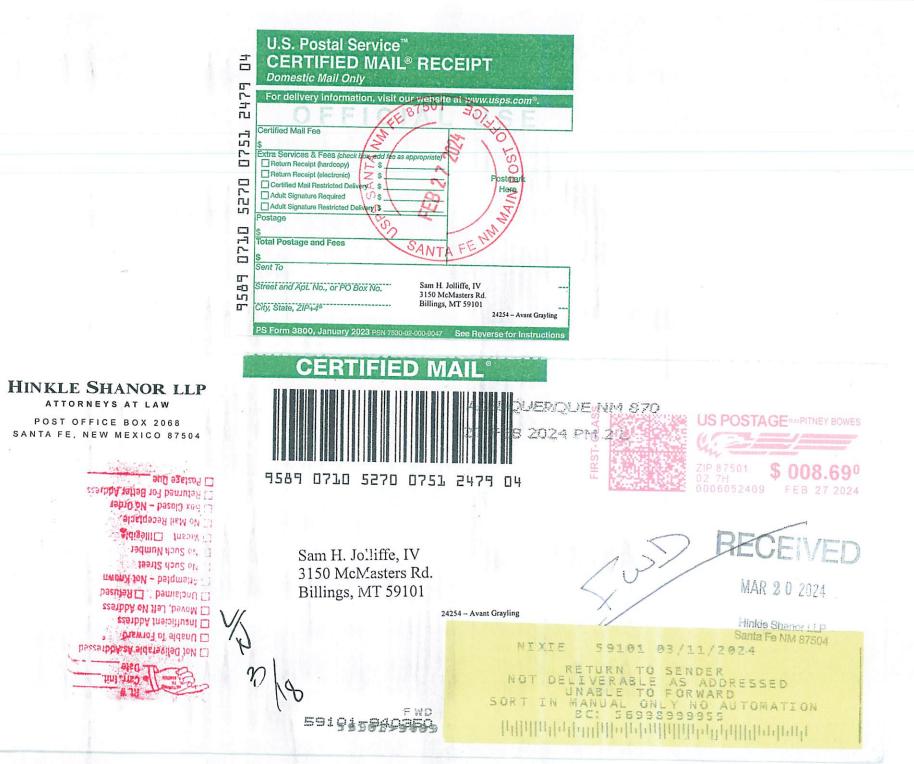
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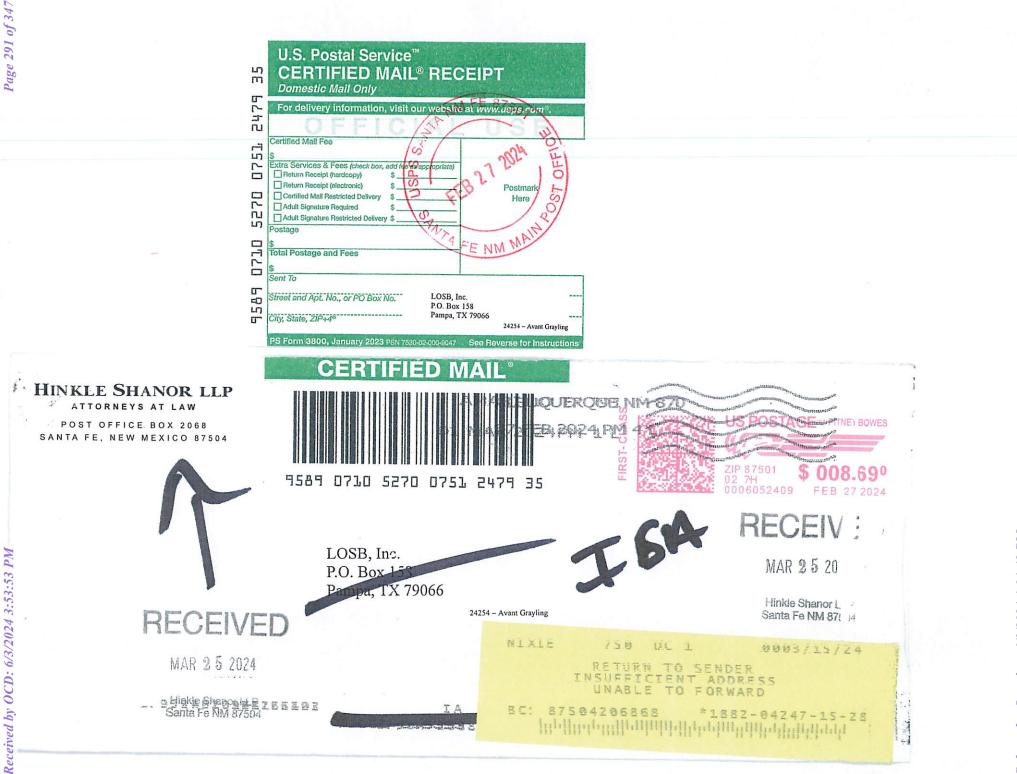




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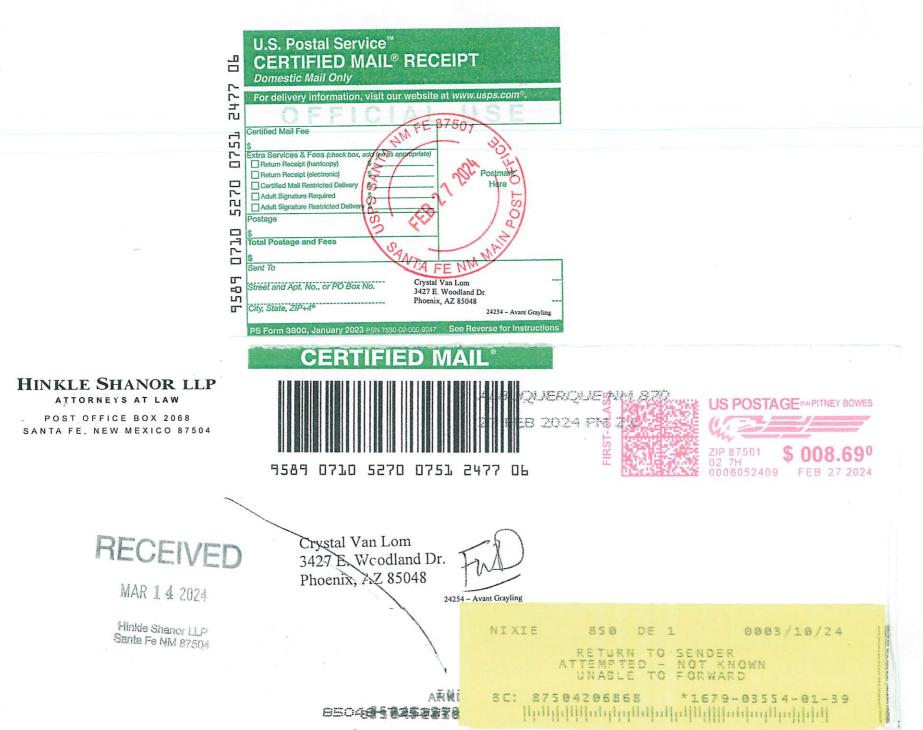
















Page 296 of 347



HINKLE SHANOR LLP ATTORNEYS AT LAW POST OFFICE BOX 2068 SANTA FE, NEW MEXICO 87504

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U.S. Postal Service<sup>™</sup>

Domestic Mail Only

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For delivery information, visit our website at www.uspc.com

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Hinkle Shanor LLP Santa Fe NM 87504 Moriah Oil and Gas LLC PO Box 50465 Midland, TX 79710 0465

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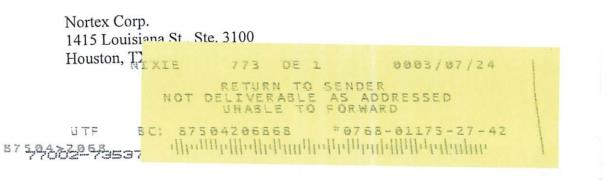


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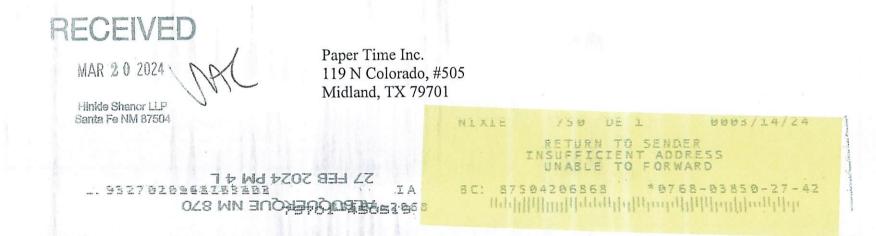
Hinkle Shanor LLP Santa Fe NM 87504







HINKLE SHANOR LLP ATTORNEYS AT LAW POST OFFICE BOX 2068 SANTA FE, NEW MEXICO 87504





Page 304 of 347



#### U.S. Postal Service<sup>™</sup> **CERTIFIED MAIL® RECEIPT** L7 Domestic Mail Only m 547 For delivery information, visit our website at www.usps.com Certified Mail Fee 51 P-Extra Services & Fees (check box, add fee as approp Return Receipt (hardcopy) 501 Return Receipt (electronic) Postmark Here Certified Mail Restricted Delivery \$ Adult Signature Required ГU Adult Signature Restricted Delivery \$ L Postage DITO Total Postage and Fees T Upland Production Co. ED PO Box 481 Midland, TX 79702-0481 LT T 24254 - Avant Grayling PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instruction **CERTIFIED MAIL** HINKLE SHANOR LLP E.NM 870 JS POSTAGE IMIPITNEY BOWES PM FIRST-ZIP 87501 02 7H .690 9589 0710 5270 0751 2473 17 0006052409 27 2024 FEB RECEIVED MAR 25 2024 Upland Production Co. PO Box 481 Hinkle Shanor LLP Midland, TX 79702-0481 Santa Fe NM 87504 NIXIE 799 DE 1 0003/21/24 RETURN TO SENDER UNCLAIMED UNABLE TO FORWARD -. 3520020554/1164/ 54: 5/504200505 UNL - 0308-00129-21-42 797329423161

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FAQs >

# **USPS Tracking**<sup>®</sup>

Remove X

#### Tracking Number:

# 9589071052700751248000

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

# Latest Update

Your item was delivered to an individual at the address at 2:08 pm on March 1, 2024 in DALLAS, TX 75205.

#### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

Delivered Delivered, Left with Individual

DALLAS, TX 75205 March 1, 2024, 2:08 pm

Departed USPS Regional Facility

DALLAS TX DISTRIBUTION CENTER March 1, 2024, 5:13 am

### Arrived at USPS Regional Facility

DALLAS TX DISTRIBUTION CENTER February 29, 2024, 2:11 pm

In Transit to Next Facility February 28, 2024

### **Departed USPS Facility**

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

Arrived at USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:03 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	$\checkmark$
USPS Tracking Plus®	$\checkmark$
Product Information	$\checkmark$
See Less 🔨	
Track Another Package	
Enter tracking or barcode numbers	

# **Need More Help?**

Contact USPS Tracking support for further assistance.

FAQs

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**USPS** Tracking<sup>®</sup>

FAQs >

### Tracking Number:

### Remove X

Feedback

# 9589071052700751248314

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

## Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

Delivered

Out for Delivery

Preparing for Delivery

## **Moving Through Network**

In Transit to Next Facility

March 5, 2024

#### **Departed USPS Regional Facility**

DALLAS TX DISTRIBUTION CENTER March 1, 2024, 5:13 am

#### Arrived at USPS Regional Facility

DALLAS TX DISTRIBUTION CENTER February 29, 2024, 2:11 pm

#### **Departed USPS Facility**

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

## Arrived at USPS Facility ALBUQUERQUE, NM 87101 February 27, 2024, 9:07 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	$\checkmark$
USPS Tracking Plus®	$\checkmark$
Product Information	$\checkmark$

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Track Another Package

Enter tracking or barcode numbers

# **Need More Help?**

Contact USPS Tracking support for further assistance.

FAQs

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FAQs >

# **USPS Tracking**<sup>®</sup>

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Feedback

#### Tracking Number:

# 9589071052700751248338

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

## Latest Update

Your item was delivered to an individual at the address at 10:43 am on March 1, 2024 in FORT WORTH, TX 76107.

#### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

**Delivered Delivered, Left with Individual** FORT WORTH, TX 76107 March 1, 2024, 10:43 am

**Departed USPS Regional Facility** FORT WORTH TX DISTRIBUTION CENTER February 29, 2024, 9:30 pm

#### Arrived at USPS Regional Facility

FORT WORTH TX DISTRIBUTION CENTER February 29, 2024, 3:31 am

In Transit to Next Facility February 28, 2024

#### **Departed USPS Facility**

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

Arrived at USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:06 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	$\checkmark$
USPS Tracking Plus®	$\checkmark$
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Track Another Package	
Enter tracking or barcode numbers	

# **Need More Help?**

Contact USPS Tracking support for further assistance.

FAQs

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FAQs >

# **USPS Tracking**<sup>®</sup>

Remove X

#### **Tracking Number:**

# 9589071052700751248369

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

# Latest Update

Your item was forwarded to a different address at 9:04 am on March 1, 2024 in OKLAHOMA CITY, OK. This was because of forwarding instructions or because the address or ZIP Code on the label was incorrect.

#### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

#### Alert Forwarded

OKLAHOMA CITY, OK March 1, 2024, 9:04 am

### Arrived at USPS Regional Facility

OKLAHOMA CITY OK DISTRIBUTION CENTER February 29, 2024, 11:46 am

#### In Transit to Next Facility

February 28, 2024

#### Departed USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

#### Arrived at USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:04 pm Hide Tracking History

#### What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	$\checkmark$
USPS Tracking Plus®	$\checkmark$
Product Information	$\checkmark$
See Less 🔨	

Track Another Package

Enter tracking or barcode numbers

# **Need More Help?**

Contact USPS Tracking support for further assistance.

FAQs

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#### Page 320 of 347

**USPS Tracking**<sup>®</sup>

FAQs >

## Tracking Number:

# 9589071052700751247751

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

# Latest Update

Your item was picked up at a postal facility at 10:21 am on March 6, 2024 in MIDLAND, TX 79701.

#### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

**Delivered** Delivered, Individual Picked Up at Postal Facility MIDLAND, TX 79701 March 6, 2024, 10:21 am

Reminder to pick up your item before March 15, 2024 MIDLAND, TX 79702 March 6, 2024

#### **Available for Pickup**

DOWNTOWN MIDLAND 100 E WALL ST MIDLAND TX 79701-9998 M-F 0830-1700 March 1, 2024, 10:01 am

## Arrived at USPS Regional Facility

MIDLAND TX DISTRIBUTION CENTER February 29, 2024, 9:58 pm

**In Transit to Next Facility** February 29, 2024



•	Departed USPS Facility	
	ALBUQUERQUE, NM 87101	
	February 27, 2024, 9:50 pm	
•	Arrived at USPS Facility	
	ALBUQUERQUE, NM 87101	
	February 27, 2024, 9:08 pm	
Ō	Hide Tracking History	
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# **Need More Help?**

Contact USPS Tracking support for further assistance.

FAQs

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**USPS Tracking**<sup>®</sup>

FAQs >

# Tracking Number:

Remove X

# 9589071052700751247829

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

## Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

## Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

Delivered

Out for Delivery

Preparing for Delivery

## **Moving Through Network**

In Transit to Next Facility

March 5, 2024

#### **Departed USPS Regional Facility**

TULSA OK DISTRIBUTION CENTER February 29, 2024, 8:33 pm

#### Arrived at USPS Regional Facility

TULSA OK DISTRIBUTION CENTER February 29, 2024, 1:51 pm

#### **Departed USPS Facility**

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

### Arrived at USPS Facility ALBUQUERQUE, NM 87101 February 27, 2024, 9:03 pm

Hide Tracking History

#### What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

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USPS Tracking Plus®	$\checkmark$
Product Information	$\checkmark$
See Less 🔨	

Track Another Package

Enter tracking or barcode numbers

# **Need More Help?**

Contact USPS Tracking support for further assistance.





FAQs >

Remove X

### Tracking Number:

# 9589071052700751247126

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

### Latest Update

We now anticipate delivery of your package the next business day. We apologize for the delay.

#### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

Alert Awaiting Delivery March 6, 2024, 12:10 am

Out for Delivery JACKSON, MS 39201 March 5, 2024, 6:10 am

Arrived at Post Office JACKSON, MS 39206 March 5, 2024, 4:32 am

In Transit to Next Facility March 4, 2024

Arrived at USPS Regional Facility JACKSON MS DISTRIBUTION CENTER March 2, 2024, 4:37 pm

Departed USPS Facility ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

Arrived at USPS Facility ALBUQUERQUE, NM 87101 February 27, 2024, 9:04 pm

Hide Tracking History

#### What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

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USPS Tracking Plus®	$\checkmark$
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rack Another Package	
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# **Need More Help?**

Contact USPS Tracking support for further assistance.

FAQs



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FAQs >

**USPS Tracking**<sup>®</sup>

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#### Tracking Number:

# 9589071052700751247102

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

### Latest Update

Your item was delivered to an individual at the address at 10:29 am on March 4, 2024 in SPRING, TX 77379.

#### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

**Delivered Delivered, Left with Individual** SPRING, TX 77379 March 4, 2024, 10:29 am

**Redelivery Scheduled for Next Business Day** SPRING, TX 77379

March 2, 2024, 10:32 am

### Arrived at USPS Regional Facility

NORTH HOUSTON TX DISTRIBUTION CENTER March 1, 2024, 8:28 am

In Transit to Next Facility February 29, 2024

# Departed USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

Arrived at USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:04 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	$\checkmark$
USPS Tracking Plus®	$\checkmark$
Product Information	$\checkmark$
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Contact USPS Tracking support for further assistance.

FAQs

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	For delivery information, visit our website at www.usps.com
547	OFFICIALURE
0751	Certified Mail Fee \$ Extra Services & Fees (check box, add fee as appropriate) Beturn Receipt (hardcopy)
5270	S Extra Services & Fees (check box, add lee as appropriate) Return Receipt (hardcopy) Return Receipt (electronic) Certified Mail Restricted Delivery Adult Signature Required Adult Signature Restricted Delivery Fostage S Total Postage and Fees
0770	\$ Total Postage and Fees \$ Sent T-
9509	TJG Energy LLC Streed 3402 E Anderson Dr. Lovington, NM 88260-9406 City, S 24254 – Avant Grayling
	PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

1

### FAQs >

**Tracking Number:** 

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Feedback

# 9589071052700751247225

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

### Latest Update

Your item was delivered to an individual at the address at 7:12 am on March 1, 2024 in LOVINGTON, NM 88260.

#### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

**Delivered Delivered, Left with Individual** LOVINGTON, NM 88260 March 1, 2024, 7:12 am

**Departed USPS Regional Facility** LUBBOCK TX DISTRIBUTION CENTER February 29, 2024, 10:15 pm

#### Arrived at USPS Regional Facility

LUBBOCK TX DISTRIBUTION CENTER February 29, 2024, 6:17 am

In Transit to Next Facility February 28, 2024

### Departed USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

Arrived at USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:04 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	$\checkmark$
USPS Tracking Plus®	$\checkmark$
Product Information	$\checkmark$
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Track Another Package	
Enter tracking or barcode numbers	

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Contact USPS Tracking support for further assistance.

FAQs



FAQs >

Remove  $\times$ 

Feedback

### Tracking Number:

# 9589071052700751247249

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

### Latest Update

Your item was delivered to an individual at the address at 10:43 am on March 1, 2024 in FORT WORTH, TX 76107.

### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

**Delivered Delivered, Left with Individual** FORT WORTH, TX 76107 March 1, 2024, 10:43 am

**Departed USPS Regional Facility** FORT WORTH TX DISTRIBUTION CENTER February 29, 2024, 9:30 pm

### Arrived at USPS Regional Facility

FORT WORTH TX DISTRIBUTION CENTER February 29, 2024, 3:25 am

In Transit to Next Facility February 28, 2024

#### **Departed USPS Facility**

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

Arrived at USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:01 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	$\checkmark$
USPS Tracking Plus®	$\checkmark$
Product Information	$\checkmark$
See Less 🔨	
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Contact USPS Tracking support for further assistance.

FAQs



FAQs >

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#### Tracking Number:

# 9589071052700751247348

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

### Latest Update

This is a reminder to arrange for redelivery of your item or your item will be returned to sender.

Get More Out of USPS Tracking:

USPS Tracking Plus®

**Delivery Attempt Reminder to Schedule Redelivery of your item** March 6, 2024

Notice Left (No Authorized Recipient Available) BIG SPRING, TX 79720 March 1, 2024, 11:26 am

Arrived at USPS Regional Facility MIDLAND TX DISTRIBUTION CENTER February 29, 2024, 9:58 pm

In Transit to Next Facility February 29, 2024

Departed USPS Facility ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

Arrived at USPS Facility ALBUQUERQUE, NM 87101 February 27, 2024, 9:02 pm

Hide Tracking History

#### What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

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Product Information	$\checkmark$
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# **Need More Help?**

Contact USPS Tracking support for further assistance.

FAQs



FAQs >

# **USPS Tracking**<sup>®</sup>

### Remove X

#### Tracking Number:

# 9589071052700751247331

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

### Latest Update

Your item was delivered to the front desk, reception area, or mail room at 2:55 pm on March 13, 2024 in ADDISON, TX 75001.

#### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

Delivered Delivered, Front Desk/Reception/Mail Room ADDISON, TX 75001

March 13, 2024, 2:55 pm

### Notice Left (No Authorized Recipient Available)

ADDISON, TX 75001 March 11, 2024, 12:00 pm

#### In Transit to Next Facility

March 9, 2024

#### Addressee Unknown

ADDISON, TX 75001 March 1, 2024, 3:18 pm

#### Arrived at USPS Regional Facility

COPPELL TX DISTRIBUTION CENTER February 29, 2024, 9:54 am

#### **Departed USPS Facility**

Feedback

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

### Arrived at USPS Facility ALBUQUERQUE, NM 87101 February 27, 2024, 9:03 pm

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#### What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	$\checkmark$
USPS Tracking Plus®	$\checkmark$
Product Information	$\checkmark$
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Track Another Package	
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# **Need More Help?**

Contact USPS Tracking support for further assistance.

FAQs



FAQs >

# Tracking Number:

Remove X

# 9589071052700751247430

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

### Latest Update

Your item was delivered to an individual at the address at 12:06 pm on March 1, 2024 in ALEDO, TX 76008.

#### Get More Out of USPS Tracking:

USPS Tracking Plus<sup>®</sup>

**Delivered Delivered, Left with Individual** ALEDO, TX 76008

March 1, 2024, 12:06 pm

**Departed USPS Regional Facility** FORT WORTH TX DISTRIBUTION CENTER February 29, 2024, 9:30 pm

#### Arrived at USPS Regional Facility

FORT WORTH TX DISTRIBUTION CENTER February 29, 2024, 3:25 am

In Transit to Next Facility February 28, 2024

### Departed USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:50 pm

Arrived at USPS Facility

ALBUQUERQUE, NM 87101 February 27, 2024, 9:01 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	$\checkmark$
USPS Tracking Plus®	$\checkmark$
Product Information	$\checkmark$
See Less 🔨	
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Enter tracking or barcode numbers	

# **Need More Help?**

Contact USPS Tracking support for further assistance.

FAQs

# Affidavit of Publicatio

STATE OF NEW MEXICO COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was publishe in the regular and entire issue of said newspaper, and not a supplement thereo for a period of 1 issue(s).

> Beginning with the issue dated March 05, 2024 and ending with the issue dated March 05, 2024.

Publisher

Sworn and subscribed to before me this 5th day of March 2024.

**Business Manager** 

My commission expires January 29, 2027

(Seal) STATE OF NEW MEXICO NOTARY PUBLIC GUSSIE RUTH BLACK COMMISSION # 1087526 COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE March 5, 2024 This is to notify all interested parties, including Acacia Resources LLC; Susannah D. Adelson, Trustee of the James Adelson & Family 2015 Trusts; Roger John Allen and Nancy Edge Jennings Allen, Trustees of The Allen Family Revocable Trust, dated May 19, 2000; Alpha Energy Partners, LLC; Apache 1996 A Trust; Apache Corporation, Arrowhead Oll Corp; BP America Production CO; BR2 Holdings, LLC; Beverly Jean Renfro Bar, Trustee of Family Trust uwo Richard K. Barr; Barstow Energy LLC; Bettis Brothers Inc; Travis and Patricia Bowies; Bureau of Land Management; Burlington Resources Oli & Gas Company LP; COG Operating LLC; CXA Oli & Gas Holdings, LP; Callaway Prod Co Inc; Cayuga Royalties, LLC; Centennial; Chase Mack C Trustee; Chase Oli Corp; Chevron Midcontinent, L.P.; Chisos Ltd; Cibolo Oli & Gas, LLC; Cibolo Royalities 1, LLC; Cody Energy Inc; Colgate Energy Management, LLC; Colgate Opportunistic Investments 1, LLC; Compass Oli & Gas, LP; Coterra Energy; Coyote Oli & Gas LLC; Susan Jennings Croft, Katte Elizabeth Croft, and Justin Jennings Croft, Co-Trustees of the Croft Living Trust, dated Sep, 25, 2020; Cross Border Resources Inc; EDRIM Holdco, LLC; Delmar Holdings LP; Dixie Lake Operating LLC; Dominion Oklahoma Texas Expl & Prod Inc; EOG Resources Inc; Endeavor Energy Resources LP; Endurance Properties Inc; Frankin Mountain Royalty Investments, LLC; G & C Service; G.P.C. Oni & Gas Corporation; Geronimo Holding Corporation; Goodman Energy, LLC; Greenville Partners, Roy Edward Guinnup; H and S Drilling Cor; Sam H. Jolliffe, IV; Teresa H. Jolliffe; L T Lewis Estate; LNV Corporation, LOSB, Inc.; Lanexco Inc; Lean Dg Limited Partnership No; L; Tystal Van Lom; Lothian Ol Inc; Lynx Petro Consultants Inc; MEG Development Ltd; Mack Energy Corp; Manzano LLC; Marathon Ol Permian, LLC; Marbob Energy, LC; Proteines No; Royal Noi and Gas, Inc.; Nuevo Seis Inc; Ospey Oli & Gas; Paper Time Inc; Pegasus Resources II, LLC; Permian Resources Operating Huc? Peroleum Corp; Roy L, MarXay and Charolette M. Mc assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Avant Operating, LLC (Case No. 24254). The hearing will be conducted on March 21, 2024 in a hybrid fashion, both in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the WebEx virtual meeting platform. To participate virtually, see the instructions posted on the OCD Hearings website https://www.emnrd.nm.gov/ocd/hearing-info/. Avant Operating, LLC ("Applicant") applies for an order: (1) establishing a 1,280-acre, more or less, non-standard horizontal spacing unit comprised of Sections 11 and 14, Township 19 South, Range 32 East, Lea County, New Mexico ("Unit"); and (2) pooling all uncommitted interests in the Bone Spring formation underlying the Unit. The Unit will be dedicated to the following wells ("Wells"): **Grayling 14 Fed Com #305H**, **Grayling 14 Fed Com #306H**, **Grayling 14 Fed Com #505H**, **Grayling 14 Fed Com #506H**, **Grayling 14 Fed Com #605H**, and **Grayling 14 Fed Com #606H**, which will be drilled from surface hole locations in the SW/4 SE/4 (Unit 0) of Section 14 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 11; **Grayling 14 Fed Com #304H**, **Grayling 14 Fed Com #505H**, **Grayling 14 Fed Com #506H**, **Grayling 14 Fed Com #304H**, **Grayling 14 Fed Com #505H**, and **Grayling 14 Fed Com #506H**, **Grayling 14 Fed Com # 304H**, **Grayling 14 Fed Com #505H**, and **Grayling 14 Fed Com #604H**, which will be drilled from surface hole locations in the NE/4 NE/4 (Unit A) of Section 11; **Grayling 14 Fed Com #601H**, which will be drilled from surface hole locations in the SW/4 SW/4 (Unit O) of Section 14 to bottom hole locations in the NW/4 NE/4 (Unit B) of Section 11; **Grayling 14 Fed Com #301H**, **Grayling 14 Fed Com #501H**, **Grayling 14 Fed Com #601H**, which will be drilled from surface hole locations in the SW/4 SW/4 (Unit M) of Section 14 to bottom hole locations in the NW/4 NW/4 (U Section 11; Grayling 14 Fed Com # 302H, Grayling 14 Fed Com #502H, and Grayling 14 Fed Com #602H, which will be drilled from surface hole locations in the SE/4 SW/4 (Unit N) of Section 14 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 11; and Grayling 14 Fed Com # 303H, Grayling 14 Fed Com #503H, and Grayling 14 Fed Com #603H, which will be drilled from surface hole locations in the SE/4 SW/4 (Unit N) of Section 14 to bottom hole locations in the NE/4 NW/4 (Unit C) of Section 11. The completed intervals of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the cost, the designation of Applicant as the operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 33 miles west of Hobbs, New Mexico. #00288085

LEGAL NOTICE

March 5, 2024

02107475

00288085

GILBERT HINKLE, SHANOR LLP PO BOX 2068 SANTA FE, NM 87504

**Avant Operating, LLC** Case No. 24254 Exhibit D-4