



**Compulsory Pooling Hearing- Case No. 23678
All of Section 23-T20S-R33E (Bone Spring)**

- Wells:**
- Sandra Jean Federal Com 301H
 - Sandra Jean Federal Com 302H
 - Sandra Jean Federal Com 303H
 - Sandra Jean Federal Com 304H
 - Sandra Jean Federal Com 305H
 - Sandra Jean Federal Com 501H
 - Sandra Jean Federal Com 502H
 - Sandra Jean Federal Com 503H
 - Sandra Jean Federal Com 504H
 - Sandra Jean Federal Com 505H
 - Sandra Jean Federal Com 601H
 - Sandra Jean Federal Com 602H
 - Sandra Jean Federal Com 603H
 - Sandra Jean Federal Com 604H
 - Sandra Jean Federal Com 605H
 - Sandra Jean Federal Com 606H

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

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

CASE NO. 23678

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COMPULSORY POOLING APPLICATION CHECKLIST**ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS**

Case: 23678	APPLICANT'S RESPONSE
Hearing Date:	October 5, 2023
Applicant	Avant Operating, LLC
Designated Operator & OGRID (affiliation if applicable)	330396
Applicant's Counsel:	Modrall, Sperling, Roel, Harris & Sisk, P.A.
Case Title:	Application of Avant Operating, LLC for Approval of Non-Standard Unit and Compulsory Pooling, Lea County, New Mexico.
Entries of Appearance/Intervenors:	EOG Resources, Inc. XTO Energy, Inc.
Well Family	Sandra Jean
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Bone Spring
Pool Name and Pool Code:	Teas; Bone Spring, Pool (Code 58960)
Well Location Setback Rules:	Statewide Rules
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	640-acres
Building Blocks:	40-acres
Orientation:	North/South
Description: TRS/County	Section 23, Township 20 South, Range 33 East, N.M.P.M., Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe <u>and is approval of non-standard unit requested in this application?</u>	No. Approval of non-standard unit is being requested.
Other Situations	
Depth Severance: Y/N. If yes, description	No.
Proximity Tracts: If yes, description	Yes. The completed interval for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit.
Proximity Defining Well: if yes, description	Sandra Jean 23 Fed Com #302; #502H; #602H; #304H; #505H; #605H; and #303H
Applicant's Ownership in Each Tract	Exhibit B.3
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: Sandra Jean 23 Fed Com #301H	API (Not yet assigned) SHL: 360' FSL & 742' FEL Section 23, T20S, R33E BHL: 100' FNL & 530' FEL Section 23, T20S, R33E Completion Target: First Bone Spring (Approx. 9,500' TVD)
Well #2: Sandra Jean 23 Fed Com #302H	API (Not yet assigned) SHL: 360' FSL & 802' FEL Section 23, T20S, R33E BHL: 100' FNL & 1584' FEL Section 23, T20S, R33E Completion Target: First Bone Spring (Approx. 9,500' TVD)
Well #3: Sandra Jean 23 Fed Com #501H	API (Not yet assigned) SHL: 200' FSL & 732' FEL Section 23, T20S, R33E BHL: 100' FNL & 330' FEL Section 23, T20S, R33E Completion Target: Second Bone Spring (Approx. 10,400' TVD)
Well #4: Sandra Jean 23 Fed Com #502H	API (Not yet assigned) SHL: 200' FSL & 792' FEL Section 23, T20S, R33E BHL: 100' FNL & 1254' FEL Section 23, T20S, R33E Completion Target: Second Bone Spring (Approx. 10,400' TVD)
Well #5: Sandra Jean 23 Fed Com #503H	API (Not yet assigned) SHL: 200' FSL & 2077' FEL Section 23, T20S, R33E BHL: 100' FNL & 2178' FEL Section 23, T20S, R33E Completion Target: Second Bone Spring (Approx. 10,400' TVD)
Well #6: Sandra Jean 23 Fed Com #601H	API (Not yet assigned) SHL: 200' FSL & 712' FEL Section 23, T20S, R33E BHL: 100' FNL & 330' FEL Section 23, T20S, R33E Completion Target: Third Bone Spring (Approx. 11,350' TVD)
Well #7: Sandra Jean 23 Fed Com #602H	API (Not yet assigned) SHL: 200' FSL & 812' FEL Section 23, T20S, R33E BHL: 100' FNL & 1254' FEL Section 23, T20S, R33E Completion Target: Third Bone Spring (Approx. 11,350' TVD)
Well #8: Sandra Jean 23 Fed Com #603H	API (Not yet assigned) SHL: 200' FSL & 2057' FEL Section 23, T20S, R33E BHL: 100' FNL & 2178' FEL Section 23, T20S, R33E Completion Target: Third Bone Spring (Approx. 11,350' TVD)
Well #9: Sandra Jean 23 Fed Com #303H	API (Not yet assigned) SHL: 360' FSL & 2067' FEL Section 23, T20S, R33E BHL: 100' FNL & 2640' FEL Section 23, T20S, R33E Completion Target: First Bone Spring (Approx. 9,500' TVD)
Well #10: Sandra Jean 23 Fed Com #304H	API (Not yet assigned) SHL: 360' FSL & 1197' FWL Section 23, T20S, R33E BHL: 100' FNL & 1584' FWL Section 23, T20S, R33E Completion Target: First Bone Spring (Approx. 9,500' TVD)

Well #11: Sandra Jean 23 Fed Com #305H	API (Not yet assigned) SHL: 360' FSL & 1137' FWL Section 23, T20S, R33E BHL: 100' FNL & 530' FWL Section 23, T20S, R33E Completion Target: First Bone Spring (Approx. 9,500' TVD)
Well #12: Sandra Jean 23 Fed Com #504H	API (Not yet assigned) SHL: 200' FSL & 1848' FWL Section 23, T20S, R33E BHL: 100' FNL & 2178' FWL Section 23, T20S, R33E Completion Target: Second Bone Spring (Approx. 10,400' TVD)
Well #13: Sandra Jean 23 Fed Com #505H	API (Not yet assigned) SHL: 200' FSL & 1788' FWL Section 23, T20S, R33E BHL: 100' FNL & 1254' FWL Section 23, T20S, R33E Completion Target: Second Bone Spring (Approx. 10,400' TVD)
Well #14: Sandra Jean 23 Fed Com #506H	API (Not yet assigned) SHL: 200' FSL & 1147' FWL Section 23, T20S, R33E BHL: 100' FNL & 330' FWL Section 23, T20S, R33E Completion Target: Second Bone Spring (Approx. 10,400' TVD)
Well #15: Sandra Jean 23 Fed Com #604H	API (Not yet assigned) SHL: 200' FSL & 1868' FWL Section 23, T20S, R33E BHL: 100' FNL & 2178' FWL Section 23, T20S, R33E Completion Target: Third Bone Spring (Approx. 11,350' TVD)
Well #16: Sandra Jean 23 Fed Com #605H	API (Not yet assigned) SHL: 200' FSL & 1768' FWL Section 23, T20S, R33E BHL: 100' FNL & 1254' FWL Section 23, T20S, R33E Completion Target: Third Bone Spring (Approx. 11,350' TVD)
Well #17: Sandra Jean 23 Fed Com #606H	API (Not yet assigned) SHL: 200' FSL & 1127' FWL Section 23, T20S, R33E BHL: 100' FNL & 330' FWL Section 23, T20S, R33E Completion Target: Third Bone Spring (Approx. 11,350' TVD)
Horizontal Well First and Last Take Points	Exhibit B.2
Completion Target (Formation, TVD and MD)	Exhibit B.5
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$10,000
Production Supervision/Month \$	\$1,000
Justification for Supervision Costs	See Exhibit B, Para 29; see Exhibit B.6 (AFEs)
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	See Exhibit B.8
Proof of Mailed Notice of Hearing (20 days before hearing)	See Exhibit B.8
Proof of Published Notice of Hearing (10 days before hearing)	See Exhibit B.8
Ownership Determination	
OCD Examiner Hearing 10-05-23	
Land Ownership Schematic of the Spacing Unit See Exhibit B.3	

Tract List (including lease numbers and owners)	See Exhibit B.3
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit B.3 and Exhibit B.7
Pooled Parties (including ownership type)	See Exhibit B.3
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	See Exhibit B.5
List of Interest Owners (ie Exhibit A of JOA)	See Exhibit B.3
Chronology of Contact with Non-Joined Working Interests	See Exhibit B.4
Overhead Rates In Proposal Letter	See Exhibit B.5
Cost Estimate to Drill and Complete	See Exhibit B.6
Cost Estimate to Equip Well	See Exhibit B.6
Cost Estimate for Production Facilities	See Exhibit B.6
Geology	
Summary (including special considerations)	Exhibit C
Spacing Unit Schematic	Exhibit C.1
Gunbarrel/Lateral Trajectory Schematic	Exhibit C.2
Well Orientation (with rationale)	See Exhibit C, Paragraph 18
Target Formation	Exhibit C.5 to C.10
HSU Cross Section	Exhibit C.5 to C.10
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit B.2
Tracts	Exhibit B.3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit B.3
General Location Map (including basin)	Exhibit C.1
Well Bore Location Map	Exhibit C.2
Structure Contour Map - Subsea Depth	Exhibit C.3
Cross Section Location Map (including wells)	Exhibit C.4
Cross Section (including Landing Zone)	Exhibit C.5 to C.10
Additional Information	
Special Provisions/Stipulations	With respect to XTO Energy, Inc.'s (XTO) interests only: "Commence Drilling" under this Order shall mean the actual drilling or re-entry of a well with a drilling rig capable of drilling to total depth. Avant will not submit to XTO E the Estimated Well Costs for any well authorized by this Order until no sooner than 30 days of spudding of the well, and XTO shall have 30-days after receipt of the Estimated Well Costs for a particular well to elect to participate in that well. In the event XTO elects to participate under this Order in any well, XTO will not be required to pay its share of Estimated Wells Costs and Avant will instead submit joint interest billings to XTO as operations take place.

CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.

Printed Name (Attorney or Party Representative):	Deana M. Bennett
Signed Name (Attorney or Party Representative):	/s/ Deana M. Bennett
Date:	10/3/2023

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

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

CASE NO. 23678

SELF AFFIRMED DECLARATION OF TIFFANY SARANTINOS

Tiffany Sarantinos hereby states and declares as follows:

1. I am over the age of 18, I am a senior landman for Avant Operating, LLC (“Avant”) and have personal knowledge of the matters stated herein.
2. I have previously testified before the Oil Conservation Division (“Division”) and my credentials as an expert petroleum landman were accepted as a matter of record.
3. My area of responsibility at Avant includes the area Lea County in New Mexico.
4. I am familiar with the application filed by Avant in this case, which is attached as **Exhibit B.1.**
5. I am familiar with the status of the lands that are subject to this application.
6. I submit the following information pursuant to NMAC 19.15.4.12.A(1) in support of the above referenced application.
7. In this case, Avant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico.
8. Avant seeks approval of a 640-acre spacing unit for several reasons.

Exhibit B

1

9. First, Avant seeks to minimize surface disturbance by consolidating facilities and commingling production from the proposed and future wells in the proposed non-standard spacing unit. Approval of this application will allow Avant to efficiently locate surface facilities, reduce surface disturbance, consolidate roads, tanks, and pipelines, and promote effective well spacing, which is consistent with Division rules. *See, e.g.*, Rule 19.15.167(P) NMAC; Rule 19.15.16.15(B)(8) NMAC; Rule 19.15.16.15(C)(7)(NMAC).

10. Second, Avant requires approval of a non-standard spacing unit to allow the wells to be dedicated to a federal Communitization Agreement that Avant desires to obtain from the Bureau of Land Management (“BLM”). If the non-standard unit is not approved, it is my understanding that BLM will not issue a Communitization Agreement and Avant will not be authorized to commingle production.

11. Section 23 is in the Designated Potash Area and is surrounded on all sides by BLM approved Development Areas (“DAs”) and predetermined Drill Islands which limit development to Section 23 only. Thus Avant is not stranding any acreage in Section 23 but is instead proposing to drill across the entirety of Section 23, which will prevent waste and protect correlative rights.

12. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H wells** to be horizontally drilled.

13. Attached as **Exhibit B.2** are the proposed C-102s for the wells.

14. The C-102s identify the proposed surface hole locations and the bottom hole locations, and the first take points. The C-102s also identify the pool and pool code.

15. The wells will develop the Teas; Bone Spring, Pool Code 58960.

16. This pool is an oil pool with 40-acre building blocks.

17. This pool is governed by the state-wide horizontal well rules.

18. The producing areas for the wells is expected to be orthodox.

19. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, and Sandra Jean 23 Fed Com #602H wells, to be drilled in the E/2 of Section 23, are each expected to be less than 330' from the adjoining tracts and the Division's rules allow for the inclusion of proximity tracts within the proposed standard spacing unit for the wells.

20. The completed intervals for the Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and Sandra Jean 23 Fed Com #605H wells, to be drilled in the W/2 of Section 23, are each expected to be less than 330' from the adjoining tracts and the Division's rules allow for the inclusion of proximity tracts within the proposed standard spacing unit for the wells.

21. The completed interval for the Sandra Jean 23 Fed Com #303H well is expected to be less than 330' from the adjoining tracts, but this location will be a standard location if the non-standard unit application is approved.

22. There are no depth severances within the proposed spacing unit.

23. **Exhibit B.3** includes a lease tract map outlining the unit being pooled. Exhibit B.3 also includes the parties being pooled, the nature, and the percent of their interests. Exhibit B.3 also includes a tract map comparing what a standard unit would be to Avant's proposed non-standard unit, a tract map showing the general location of the wells within the proposed non-standard unit, and a list of the wells with the pool code identified.

24. I have conducted a diligent search of the public records in the county where the wells are located, and conducted phone directory and computer searches to locate contact information for parties entitled to notification, and mailed the working interest owners well proposals, including an Authorization for Expenditure.

25. In my opinion, Avant has made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed wells.

26. **Exhibit B.4** is a summary of my contacts with the working interest owners.

27. **Exhibit B.5** is a sample of the well proposal letter that was sent to all working interest owners. The proposal letter identifies the proposed surface hole and bottom hole locations and approximate TVD/MD for the wells.

28. **Exhibit B.6** contains the Authorization for Expenditure for the proposed wells. The estimated cost of the wells set forth therein is fair and reasonable, and is comparable to the costs of other wells of similar depths and length drilled in this area of New Mexico.

29. Avant requests overhead and administrative rates of \$10,000.00/month for drilling a well and \$1,000.00/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this area of Southeastern, New Mexico. Avant requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

30. Avant requests the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.

31. Avant requests that it be designated operator of the wells.

32. The parties Avant is seeking to pool were notified of this hearing.

33. Avant seeks to pool overriding royalty interest owners, and they were also provided notice of this hearing.

34. No opposition is expected because the interest owners being pooled have been contacted regarding the proposed wells, but have failed or refused to voluntarily commit their interests in the wells.

35. Avant also provided notice to offsetting operators for purposes of the non-standard unit application.

36. As discussed above, Section 23 is surrounded on all sides by BLM approved DAs.

37. Avant notified the operators of the approved BLM DAs. **Exhibit B.7** is a tract map showing the operators of the adjacent DAs.

38. **Exhibit B.8** is an affidavit of notice prepared by counsel for Avant that shows the parties who were notified of this hearing, the status of whether they received notice, and an affidavit of publication from the Hobbs News-Sun newspaper, showing that notice of this hearing was published on July 19, 2023, on August 22, 2023, and on August 29, 2023.

39. The attachments to this declaration were prepared by me, or compiled from company business records, or were prepared at my direction.

40. In my opinion, the granting of this application is in the interests of conservation and the prevention of waste.

I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.

Dated this 2nd day of October 2023.



Tiffany Sarantinos

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

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

CASE NO. 23678

APPLICATION

Avant Operating, LLC (“Avant”), OGRID Number 330396, through its undersigned attorneys, hereby files this application with the Oil Conservation Division (“Division”) pursuant to the provisions of NMSA 1978, § 70-2-17 and Rule 19.15.16.15(B)(5) NMAC, for an order (1) approving a non-standard spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. In support of this application, Avant states as follows:

1. Avant has an interest in the subject lands and has a right to drill and operate a well thereon.
2. Avant seeks to dedicate Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico to form a 640-acre, more or less, Bone Spring horizontal spacing unit (“Unit”).
3. Avant seeks to dedicate the following proposed wells to the Unit:
 - a. The **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; and Sandra Jean 23 Fed Com #603H wells** to be drilled in the E/2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico; and

b. The **Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and Sandra Jean 23 Fed Com #606H wells** to be drilled in the W2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico.

4. The wells will be drilled to a depth sufficient to test the Bone Spring formation. The wells will be horizontally drilled, and, if the non-standard unit application is approved the producing areas for all of the wells are expected to be orthodox.

5. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, and Sandra Jean 23 Fed Com #602H wells, to be drilled in the E/2 of Section 23, are each expected to be less than 330 feet from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

6. The completed intervals for the Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and Sandra Jean 23 Fed Com #605H wells, to be drilled in the W/2 of Section 23, are each expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

7. The completed interval for the Sandra Jean 23 Fed Com #303H well is expected to be less than 330 feet from the adjoining tracts, which will be a standard location if the non-standard unit application is approved.

8. Avant sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Bone Spring formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

9. The pooling of all interests in the Bone Spring formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

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

WHEREFORE, Avant requests this application be set for hearing before an Examiner of the Oil Conservation Division on August 3, 2023, and after notice and hearing as required by law, the Division enter its order:

A. Approving a non-standard horizontal spacing unit pursuant to Rule 19.15.16.15(B)(5);

B. Pooling all uncommitted interests in the Unit;

C. Designating Avant as operator of the Unit and the wells to be drilled thereon;

D. Authorizing Avant to recover its costs of drilling, equipping and completing the wells;

E. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and

F. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: /s/ Deana M. Bennett

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deana.bennett@modrall.com
Attorneys for Avant Operating, LLC

CASE NO. 23678 : Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

OIL CONSERVATION DIVISION

Submit one copy to appropriate
District Office

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-8170

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ OGRID No.	⁸ Operator Name AVANT OPERATING, LLC	⁶ Well Number 60IH ⁹ Elevation 3639

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	20 S	33 E		200	SOUTH	712	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

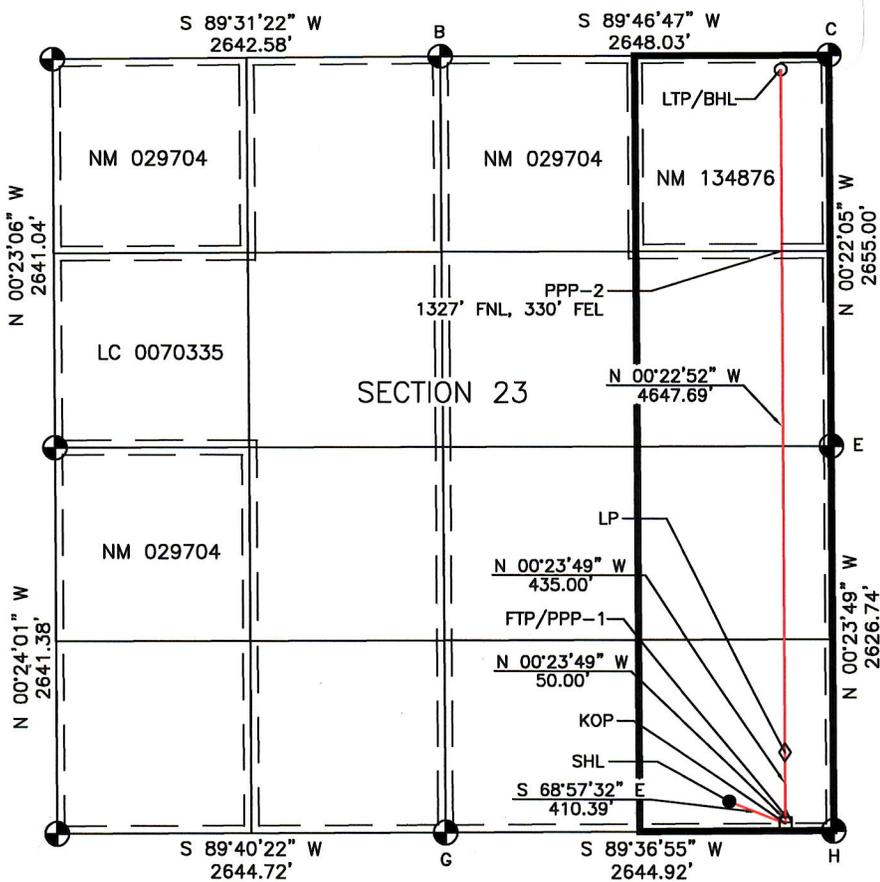
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	20 S	33 E		100	NORTH	330	EAST	LEA

¹² Dedicated Acres SECTION 23: E/2, E/2; 160 Ac. TOTAL: 160 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23

Date of Survey
Plat Revised: 3/8/23
Signature and Seal of Professional Surveyor

JOHN AVUKONCH
NEW MEXICO
14831
PROFESSIONAL SURVEYOR

Certificate Number 14831

SURFACE LOCATION
NAD 83 NME, NMSPC ZONE 3001
Y= 565242.54 N
X= 758771.24 E
LAT: 32.5519279° N
LONG: 103.6276548° W

KICK OFF POINT
NAD 83 NME, NMSPC ZONE 3001
50' FSL, 330' FEL
SEC. 23, T20S, R33E
Y= 565095.19 N
X= 759154.26 E
LAT: 32.5515159° N
LONG: 103.6264149° W

FIRST TAKE POINT/PPP-1
NAD 83 NME, NMSPC ZONE 3001
100' FSL, 330' FEL
SEC. 23, T20S, R33E
Y= 565145.19 N
X= 759153.92 E
LAT: 32.5516534° N
LONG: 103.6264150° W

LANDING POINT
NAD 83 NME, NMSPC ZONE 3001
535' FSL, 330' FEL
SEC. 23, T20S, R33E
Y= 565580.18 N
X= 759150.90 E
LAT: 32.5528490° N
LONG: 103.6264154° W

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
B - Y= 570318.86 N, X= 756801.34 E
C - Y= 570329.03 N, X= 759449.35 E
E - Y= 567674.09 N, X= 759466.41 E
G - Y= 565029.65 N, X= 756839.74 E
H - Y= 565047.41 N, X= 759484.60 E

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
B - LAT.=32.5659162° N, LONG.=103.6339394° W
C - LAT.=32.5658960° N, LONG.=103.6253443° W
E - LAT.=32.5585985° N, LONG.=103.6253463° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W
H - LAT.=32.5513786° N, LONG.=103.6253439° W

PPP-2
NAD 83 NME, NMSPC ZONE 3001
1327' FNL, 330' FEL
SEC. 23, T20S, R33E
Y= 569000.36 N
X= 759128.16 E
LAT: 32.5622500° N
LONG: 103.6264155° W

**LAST TAKE POINT/
BOTTOM HOLE LOCATION**
NAD 83 NME, NMSPC ZONE 3001
Y= 570227.77 N
X= 759120.00 E
LAT: 32.5656237° N
LONG: 103.6264155° W

Exhibit B-2

OCD Examiner Hearing 10-05-23

No. 23678

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
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DISTRICT IV
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Phone: (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ GRID No.	⁶ Operator Name AVANT OPERATING, LLC	⁸ Well Number 50IH
		⁹ Elevation 3640

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	20 S	33 E		200	SOUTH	732	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	20 S	33 E		100	NORTH	330	EAST	LEA

¹² Dedicated Acres SECTION 23: E/2, E/2; 160 Ac. TOTAL: 160 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23
Date of Survey
Plat Revised: 2/8/23
Signature and Seal of Professional Surveyor

Certificate Number 14831

SURFACE LOCATION
NAD 83 NME, NMSPC ZONE 3001
Y= 565242.46 N
X= 758751.21 E
LAT: 32.5519280° N
LONG: 103.6277198° W

KICK OFF POINT
NAD 83 NME, NMSPC ZONE 3001
50' FSL, 330' FEL
SEC. 23, T20S, R33E
Y= 565095.19 N
X= 759154.26 E
LAT: 32.5515159° N
LONG: 103.6264149° W

FIRST TAKE POINT/PPP-1
NAD 83 NME, NMSPC ZONE 3001
100' FSL, 330' FEL
SEC. 23, T20S, R33E
Y= 565145.19 N
X= 759153.92 E
LAT: 32.5516534° N
LONG: 103.6264150° W

LANDING POINT
NAD 83 NME, NMSPC ZONE 3001
535' FSL, 330' FEL
SEC. 23, T20S, R33E
Y= 565580.18 N
X= 759150.90 E
LAT: 32.5528490° N
LONG: 103.6264154° W

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001

B - Y= 570318.86 N, X= 756801.34 E
C - Y= 570329.03 N, X= 759449.35 E
E - Y= 567674.09 N, X= 759466.41 E
G - Y= 565029.65 N, X= 756839.74 E
H - Y= 565047.41 N, X= 759484.60 E

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001

B - LAT.=32.5659162° N, LONG.=103.6339394° W
C - LAT.=32.5658960° N, LONG.=103.6253443° W
E - LAT.=32.5585985° N, LONG.=103.6253463° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W
H - LAT.=32.5513786° N, LONG.=103.6253439° W

PPP-2
NAD 83 NME, NMSPC ZONE 3001
1327' FNL, 330' FEL
SEC. 23, T20S, R33E
Y= 569000.36 N
X= 759128.16 E
LAT: 32.5622500° N
LONG: 103.6264155° W

**LAST TAKE POINT/
BOTTOM HOLE LOCATION**
NAD 83 NME, NMSPC ZONE 3001
Y= 570227.77 N
X= 759120.00 E
LAT: 32.5656237° N
LONG: 103.6264155° W

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
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DISTRICT III
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DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, N.M. 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name SANDRA JEAN 23 FED COM			⁶ Well Number 502H
⁷ GRID No.		⁸ Operator Name AVANT OPERATING, LLC			⁹ Elevation 3639

¹⁰ Surface Location

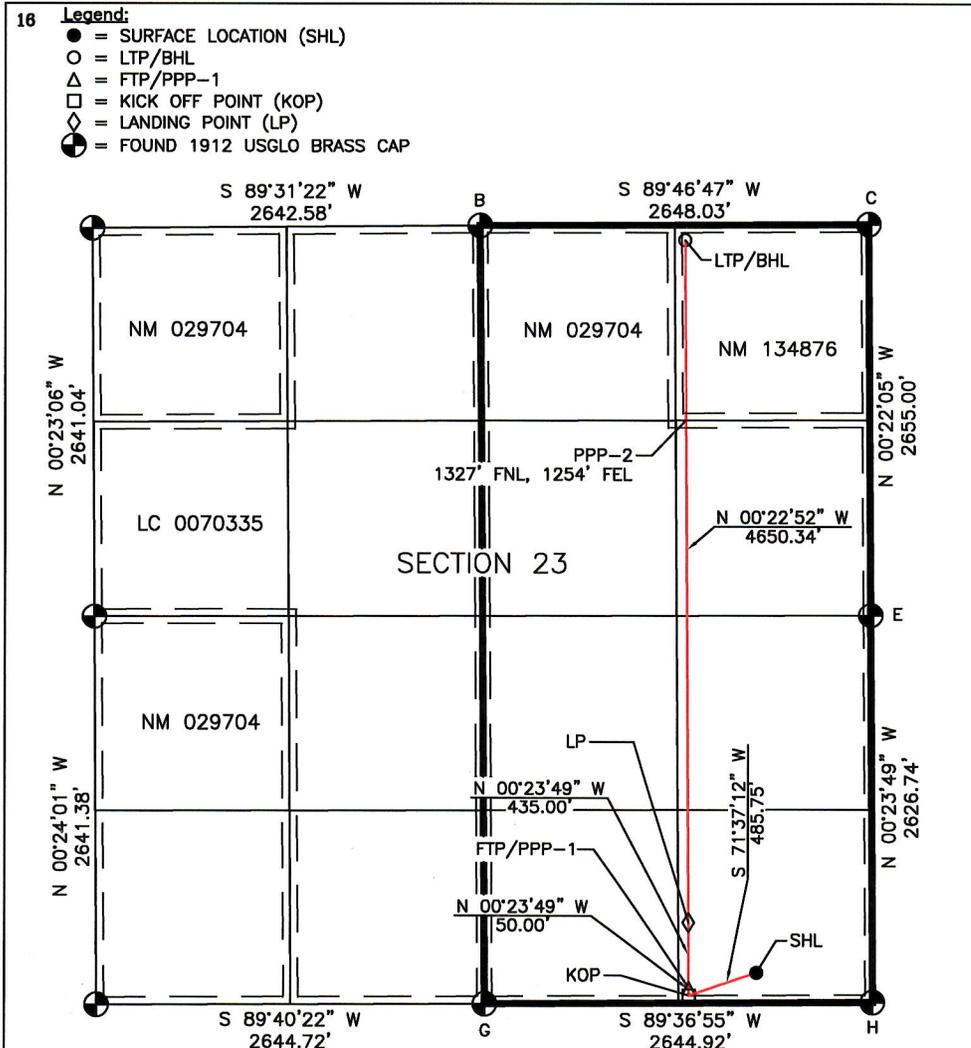
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	20 S	33 E		200	SOUTH	792	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	20 S	33 E		100	NORTH	1254	EAST	LEA

¹² Dedicated Acres SECTION 23: NE/4, SE/4; 320 Ac. TOTAL: 320 Ac.					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	--	--	--	--	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23

Date of Survey
Plat Revised: 3/8/23
Signature and Seal of Professional Surveyor

Certificate Number 14831

<p>SURFACE LOCATION NAD 83 NME, NMSPC ZONE 3001 Y= 565242.15 N X= 758691.25 E LAT: 32.5519283° N LONG: 103.6279144° W</p>	<p>KICK OFF POINT NAD 83 NME, NMSPC ZONE 3001 50' FSL, 1254' FEL SEC. 23, T20S, R33E Y= 565088.99 N X= 75823028 E LAT: 32.5515157° N LONG: 103.6294136° W</p>	<p>FIRST TAKE POINT/PPP-1 NAD 83 NME, NMSPC ZONE 3001 100' FSL, 1254' FEL SEC. 23, T20S, R33E Y= 565138.99 N X= 758229.94 E LAT: 32.5516531° N LONG: 103.6294137° W</p>	<p>LANDING POINT NAD 83 NME, NMSPC ZONE 3001 535' FSL, 1254' FEL SEC. 23, T20S, R33E Y= 565573.98 N X= 758226.92 E LAT: 32.5528488° N LONG: 103.6294141° W</p>
<p>CORNER COORDINATES TABLE NAD 83 NME, NMSPC ZONE 3001 B - Y= 570318.86 N, X= 756801.34 E C - Y= 570329.03 N, X= 759449.35 E E - Y= 567674.09 N, X= 759466.41 E G - Y= 565029.65 N, X= 756839.74 E H - Y= 565047.41 N, X= 759484.60 E</p>	<p>CORNER COORDINATES TABLE NAD 83 NME, NMSPC ZONE 3001 B - LAT.=32.5659162° N, LONG.=103.6339394° W C - LAT.=32.5658960° N, LONG.=103.6253443° W E - LAT.=32.5585985° N, LONG.=103.6253463° W G - LAT.=32.5513778° N, LONG.=103.6339276° W H - LAT.=32.5513786° N, LONG.=103.6253439° W</p>	<p>PPP-2 NAD 83 NME, NMSPC ZONE 3001 1327' FNL, 1254' FEL SEC. 23, T20S, R33E Y= 568996.99 N X= 758204.16 E LAT: 32.5622575° N LONG: 103.6294145° W</p>	<p>LAST TAKE POINT/ BOTTOM HOLE LOCATION NAD 83 NME, NMSPC ZONE 3001 Y= 570224.22 N X= 758196.00 E LAT: 32.5656308° N LONG: 103.6294147° W</p>

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

OIL CONSERVATION DIVISION

Submit one copy to appropriate
District Office

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ OGRID No.	⁶ Operator Name AVANT OPERATING, LLC	⁸ Well Number 30IH
		⁹ Elevation 3638

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	20 S	33 E		360	SOUTH	742	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

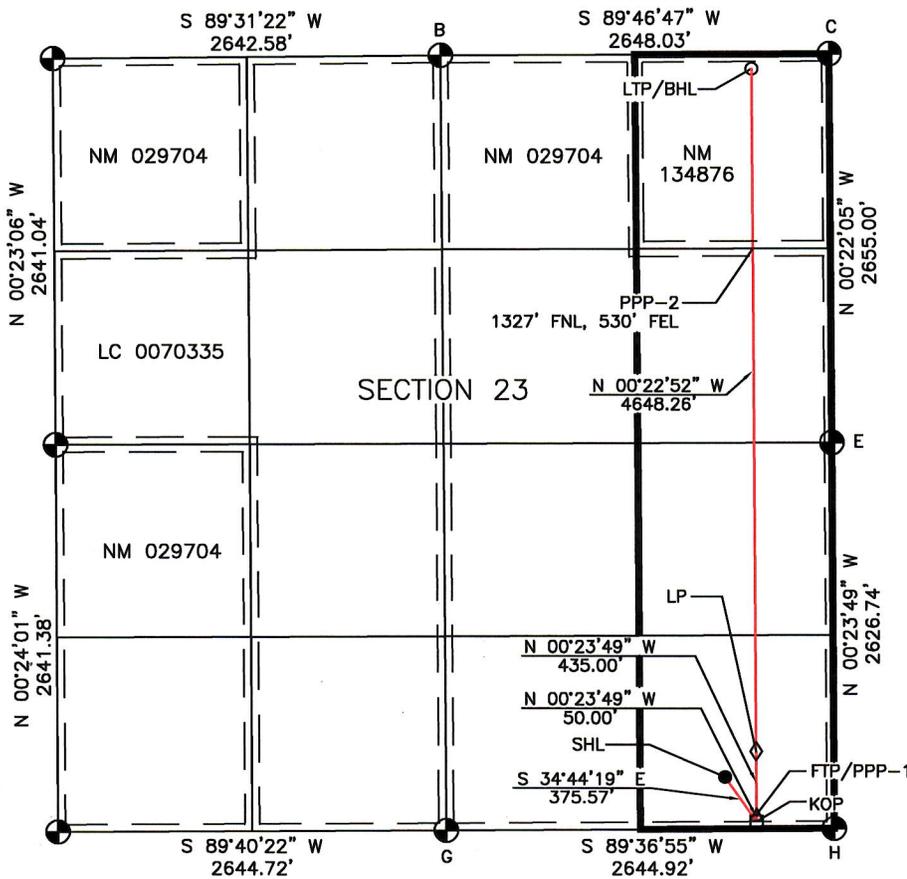
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	20 S	33 E		100	NORTH	530	EAST	LEA

¹² Dedicated Acres SECTION 23: E/2, E/2; 160 Ac.	TOTAL: 160 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	----------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

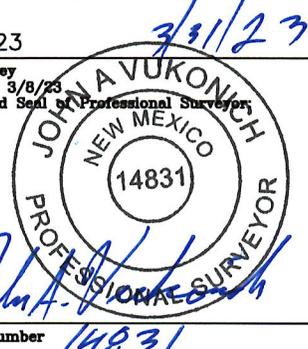
Signature _____ Date _____
Printed Name _____
E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23

Date of Survey
Plat Revised: 3/8/23
Signature and Seal of Professional Surveyor



Certificate Number 14831

SURFACE LOCATION

NAD 83 NME, NMSPC ZONE 3001
Y= 565402.48 N
X= 758740.25 E
LAT: 32.5523681° N
LONG: 103.6277519° W

KICK OFF POINT

NAD 83 NME, NMSPC ZONE 3001
50' FSL, 530' FEL
SEC. 23, T20S, R33E
Y= 565093.85 N
X= 758954.27 E
LAT: 32.5515159° N
LONG: 103.6270640° W

FIRST TAKE POINT/PPP-1

NAD 83 NME, NMSPC ZONE 3001
100' FSL, 530' FEL
SEC. 23, T20S, R33E
Y= 565143.85 N
X= 758953.92 E
LAT: 32.5516533° N
LONG: 103.6270640° W

LANDING POINT

NAD 83 NME, NMSPC ZONE 3001
535' FSL, 530' FEL
SEC. 23, T20S, R33E
Y= 565578.84 N
X= 758950.91 E
LAT: 32.5528490° N
LONG: 103.6270645° W

CORNER COORDINATES TABLE

NAD 83 NME, NMSPC ZONE 3001
B - Y= 570318.86 N, X= 756801.34 E
C - Y= 570329.03 N, X= 759449.35 E
E - Y= 567674.09 N, X= 759466.41 E
G - Y= 565029.65 N, X= 756839.74 E
H - Y= 565047.41 N, X= 759484.60 E

CORNER COORDINATES TABLE

NAD 83 NME, NMSPC ZONE 3001
B - LAT.=32.5659162° N, LONG.=103.6339394° W
C - LAT.=32.5658960° N, LONG.=103.6253443° W
E - LAT.=32.5585985° N, LONG.=103.6253463° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W
H - LAT.=32.5513786° N, LONG.=103.6253439° W

PPP-2

NAD 83 NME, NMSPC ZONE 3001
1327' FNL, 530' FEL
SEC. 23, T20S, R33E
Y= 568999.63 N
X= 758928.16 E
LAT: 32.5622516° N
LONG: 103.6270646° W

LAST TAKE POINT/

BOTTOM HOLE LOCATION
NAD 83 NME, NMSPC ZONE 3001
Y= 570227.00 N
X= 758920.00 E
LAT: 32.5656252° N
LONG: 103.6270647° W

DISTRICT I
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Energy, Minerals & Natural Resources Department

Form C-102

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OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ GRID No.	⁸ Operator Name AVANT OPERATING, LLC	⁶ Well Number 302H
		⁹ Elevation 3638

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	20 S	33 E		360	SOUTH	802	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

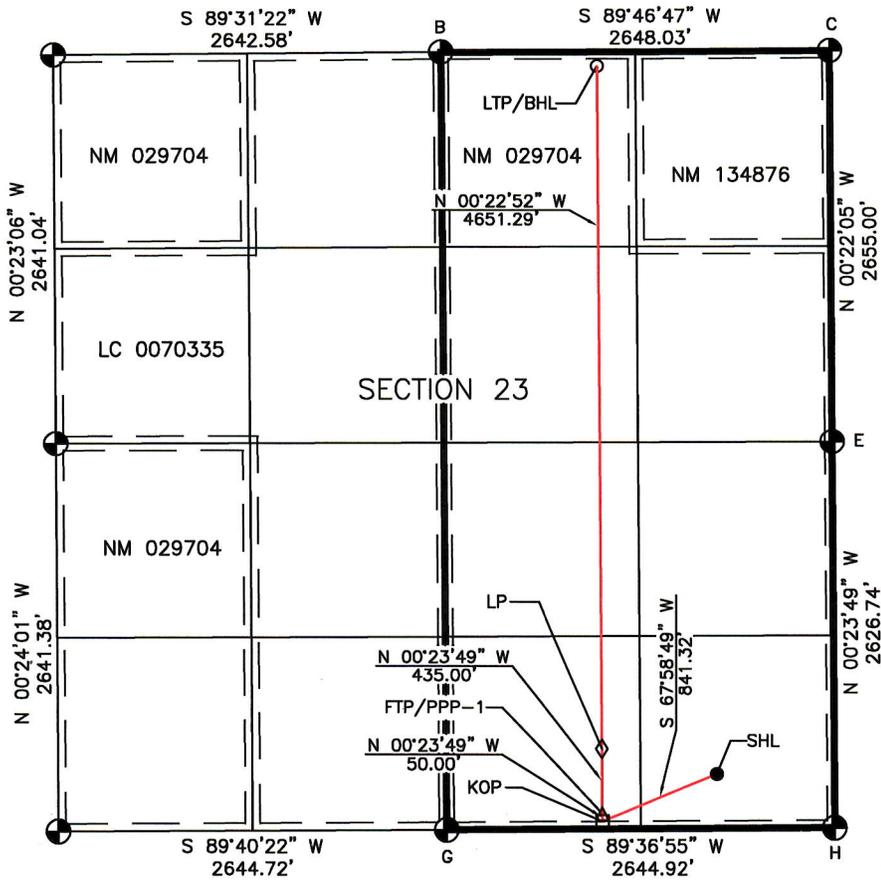
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	23	20 S	33 E		100	NORTH	1584	EAST	LEA

¹² Dedicated Acres SECTION 23: NE/4, SE/4; 320 Ac. TOTAL: 320 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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- = LTP/BHL
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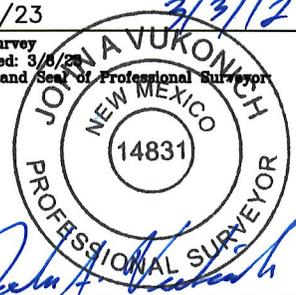
Signature _____ Date _____
Printed Name _____
E-mail Address _____

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2/14/23

Date of Survey
Plat Revised: 3/3/23
Signature and Seal of Professional Surveyor



Certificate Number 14831

SURFACE LOCATION
NAD 83 NME, NMSPC ZONE 3001
Y= 565402.20 N
X= 758680.24 E
LAT: 32.5523684° N
LONG: 103.6279467° W

KICK OFF POINT
NAD 83 NME, NMSPC ZONE 3001
50' FSL, 1584' FEL
SEC. 23, T20S, R33E
Y= 565086.77 N
X= 757900.29 E
LAT: 32.5515156° N
LONG: 103.6304846° W

FIRST TAKE POINT/PPP-1
NAD 83 NME, NMSPC ZONE 3001
100' FSL, 1584' FEL
SEC. 23, T20S, R33E
Y= 565136.77 N
X= 757899.94 E
LAT: 32.5516530° N
LONG: 103.6304846° W

LANDING POINT
NAD 83 NME, NMSPC ZONE 3001
535' FSL, 1584' FEL
SEC. 23, T20S, R33E
Y= 565571.76 N
X= 757896.93 E
LAT: 32.5528487° N
LONG: 103.6304851° W

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
B - Y= 570318.86 N, X= 756801.34 E
C - Y= 570329.03 N, X= 759449.35 E
E - Y= 567674.09 N, X= 759466.41 E
G - Y= 565029.65 N, X= 756839.74 E
H - Y= 565047.41 N, X= 759484.60 E

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NAD 83 NME, NMSPC ZONE 3001
B - LAT.=32.5659162° N, LONG.=103.6339394° W
C - LAT.=32.5658960° N, LONG.=103.6253443° W
E - LAT.=32.5585985° N, LONG.=103.6253463° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W
H - LAT.=32.5513786° N, LONG.=103.6253439° W

**LAST TAKE POINT/
BOTTOM HOLE LOCATION**
NAD 83 NME, NMSPC ZONE 3001
Y= 570222.95 N
X= 757866.00 E
LAT: 32.5656333° N
LONG: 103.6304858° W

DISTRICT I
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Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Table with 3 columns: API Number, Pool Code, Pool Name; Property Code, Property Name, Well Number; OGRID No., Operator Name, Elevation.

Surface Location

Table with 10 columns: UL or lot no., Section, Township, Range, Lot Idn, Feet from the, North/South line, Feet from the, East/West line, County.

Bottom Hole Location If Different From Surface

Table with 10 columns: UL or lot no., Section, Township, Range, Lot Idn, Feet from the, North/South line, Feet from the, East/West line, County.

Table with 4 columns: Dedicated Acres, Joint or Infill, Consolidation Code, Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Legend:

- = SURFACE LOCATION (SHL)
○ = LTP/BHL
△ = FTP/PPP-1
□ = KICK OFF POINT (KOP)
◇ = LANDING POINT (LP)
⊙ = FOUND 1912 USGLO BRASS CAP

OPERATOR CERTIFICATION

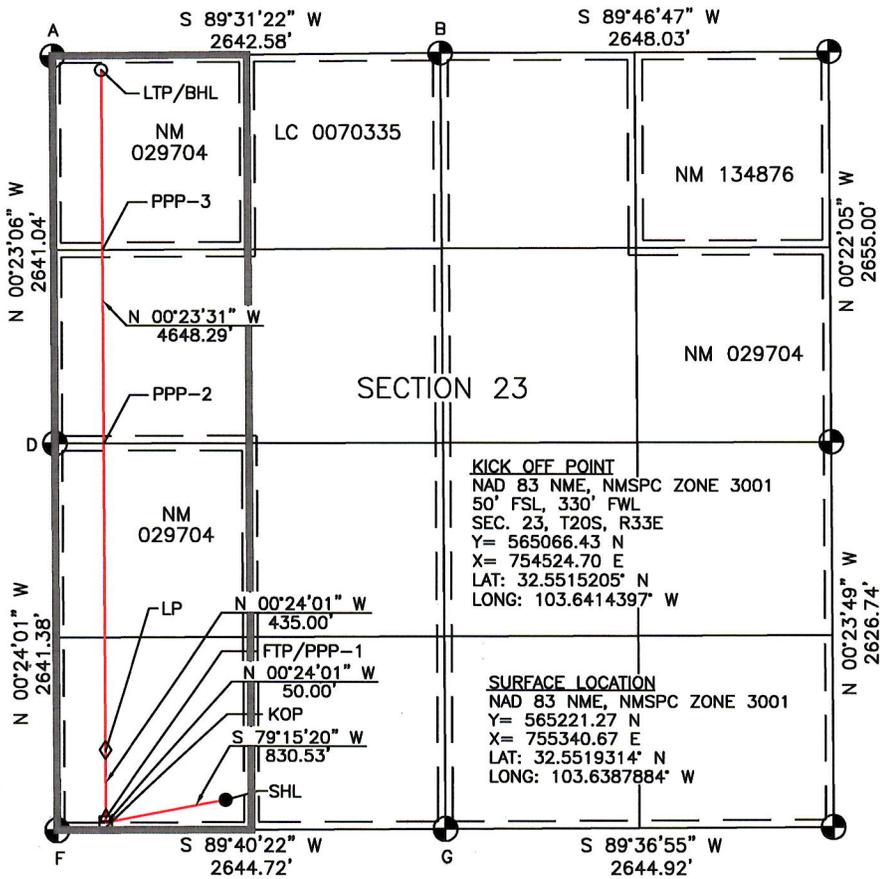
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Date
Printed Name
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23
Date of Survey
Signature and Seal of Professional Surveyor
Certificate Number 14831



FIRST TAKE POINT/PPP-1
NAD 83 NME, NMSPC ZONE 3001
100' FSL, 330' FWL
SEC. 23, T20S, R33E
Y= 565116.43 N
X= 754524.35 E
LAT: 32.5516579° N
LONG: 103.6414398° W

LANDING POINT
NAD 83 NME, NMSPC ZONE 3001
535' FSL, 330' FWL
SEC. 23, T20S, R33E
Y= 565551.42 N
X= 754521.31 E
LAT: 32.5528535° N
LONG: 103.6414405° W

PPP-2
NAD 83 NME, NMSPC ZONE 3001
2641' FSL, 330' FWL
SEC. 23, T20S, R33E
Y= 567657.00 N
X= 754506.91 E
LAT: 32.5586411° N
LONG: 103.6414428° W

PPP-3
NAD 83 NME, NMSPC ZONE 3001
1322' FSL, 330' FWL
SEC. 23, T20S, R33E
Y= 568978.30 N
X= 754497.87 E
LAT: 32.5622729° N
LONG: 103.6414443° W

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
A - Y= 570296.85 N, X= 754158.86 E
B - Y= 570318.86 N, X= 756801.34 E
D - Y= 567655.87 N, X= 754176.61 E
F - Y= 565014.55 N, X= 754195.06 E
G - Y= 565029.65 N, X= 756839.74 E

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
A - LAT.=32.5659031° N, LONG.=103.6425168° W
B - LAT.=32.5659162° N, LONG.=103.6339394° W
D - LAT.=32.5586439° N, LONG.=103.6425148° W
F - LAT.=32.5513837° N, LONG.=103.6425106° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W

LAST TAKE POINT/
BOTTOM HOLE LOCATION
NAD 83 NME, NMSPC ZONE 3001
Y= 570199.60 N
X= 754489.52 E
LAT: 32.5656299° N
LONG: 103.6414456° W

DISTRICT I
 1625 N. French Dr., Hobbs, N.M. 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
 811 S. First St., Artesia, N.M. 88210
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DISTRICT IV
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 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, N.M. 87505

Submit one copy to appropriate
 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ OGRID No.	⁹ Operator Name AVANT OPERATING, LLC	⁶ Well Number 606H
		⁸ Elevation 3622

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	20 S	33 E		200	SOUTH	1127	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

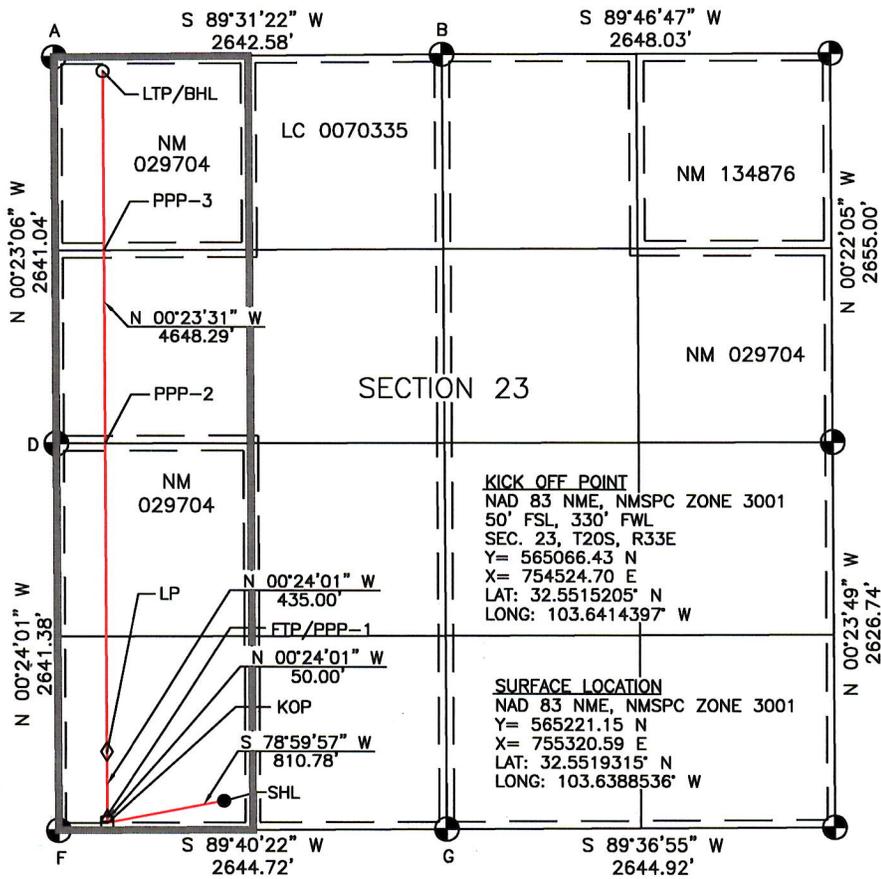
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	20 S	33 E		100	NORTH	330	WEST	LEA

¹² Dedicated Acres SECTION 23: W/2 W/2; 160 Ac.	TOTAL: 160 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	----------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
 Printed Name _____
 E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23
 Date of Survey
 Signature and Seal of Professional Surveyor: *[Signature]*

 Certificate Number 14831

FIRST TAKE POINT/PPP-1
 NAD 83 NME, NMSPC ZONE 3001
 100' FSL, 330' FWL
 SEC. 23, T20S, R33E
 Y= 565116.43 N
 X= 754524.35 E
 LAT: 32.5516579° N
 LONG: 103.6414398° W

LANDING POINT
 NAD 83 NME, NMSPC ZONE 3001
 535' FSL, 330' FWL
 SEC. 23, T20S, R33E
 Y= 565551.42 N
 X= 754521.31 E
 LAT: 32.5528535° N
 LONG: 103.6414405° W

PPP-2
 NAD 83 NME, NMSPC ZONE 3001
 2641' FSL, 330' FWL
 SEC. 23, T20S, R33E
 Y= 567657.00 N
 X= 754506.91 E
 LAT: 32.5586411° N
 LONG: 103.6414428° W

PPP-3
 NAD 83 NME, NMSPC ZONE 3001
 1322' FSL, 330' FWL
 SEC. 23, T20S, R33E
 Y= 568978.30 N
 X= 754497.87 E
 LAT: 32.5622729° N
 LONG: 103.6414443° W

CORNER COORDINATES TABLE
 NAD 83 NME, NMSPC ZONE 3001
 A - Y= 570296.85 N, X= 754158.86 E
 B - Y= 570318.86 N, X= 756801.34 E
 D - Y= 567655.87 N, X= 754176.61 E
 F - Y= 565014.55 N, X= 754195.06 E
 G - Y= 565029.65 N, X= 756839.74 E

CORNER COORDINATES TABLE
 NAD 83 NME, NMSPC ZONE 3001
 A - LAT.=32.5659031° N, LONG.=103.6425168° W
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 F - LAT.=32.5513837° N, LONG.=103.6425106° W
 G - LAT.=32.5513778° N, LONG.=103.6339276° W

**LAST TAKE POINT/
 BOTTOM HOLE LOCATION**
 NAD 83 NME, NMSPC ZONE 3001
 Y= 570199.60 N
 X= 754489.52 E
 LAT: 32.5656299° N
 LONG: 103.6414456° W

DISTRICT I
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State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁶ Property Name SANDRA JEAN 23 FED COM	
⁷ GRID No.	⁸ Operator Name AVANT OPERATING, LLC	⁵ Well Number 304H
		⁹ Elevation 3621

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	20 S	33 E		360	SOUTH	1197	WEST	LEA

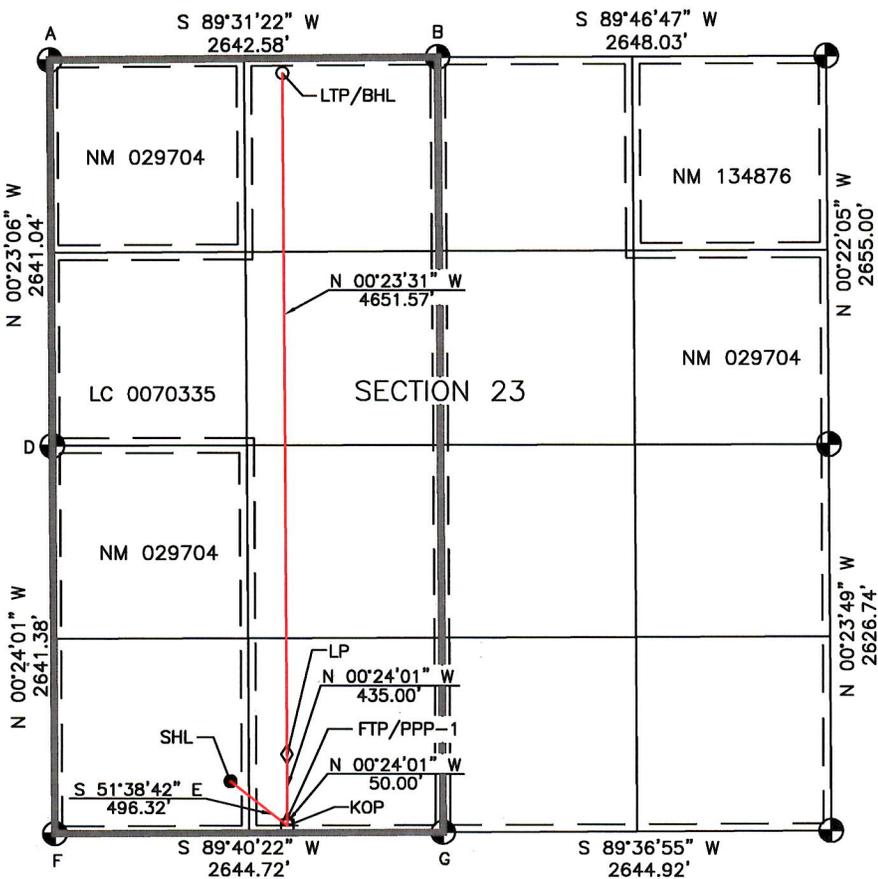
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	23	20 S	33 E		100	NORTH	1584	WEST	LEA

¹² Dedicated Acres SECTION 23: SW/4, NW/4; 320 Ac. TOTAL: 320 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

- ¹⁶ Legend:
- = SURFACE LOCATION (SHL)
 - = LTP/BHL
 - △ = FTP/PPP-1
 - = KICK OFF POINT (KOP)
 - ◇ = LANDING POINT (LP)
 - ⊙ = FOUND 1912 USGLO BRASS CAP



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23
Date of Survey
Signature and Seal of Professional Surveyor: *JOHN A VUKONICH*
NEW MEXICO
14831
PROFESSIONAL SURVEYOR
Certificate Number 14931

SURFACE LOCATION
NAD 83 NME, NMSPC ZONE 3001
Y= 565381.49 N
X= 755389.48 E
LAT: 32.5523713° N
LONG: 103.6386226° W

KICK OFF POINT
NAD 83 NME, NMSPC ZONE 3001
50' FSL, 1584' FWL
SEC. 23, T20S, R33E
Y= 565073.59 N
X= 755778.68 E
LAT: 32.5515177° N
LONG: 103.6373700° W

FIRST TAKE POINT/PPP-1
NAD 83 NME, NMSPC ZONE 3001
100' FSL, 1584' FWL
SEC. 23, T20S, R33E
Y= 565123.59 N
X= 755778.33 E
LAT: 32.5516551° N
LONG: 103.6373701° W

LANDING POINT
NAD 83 NME, NMSPC ZONE 3001
535' FSL, 1584' FWL
SEC. 23, T20S, R33E
Y= 565558.58 N
X= 755775.29 E
LAT: 32.5528508° N
LONG: 103.6373707° W

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
A - Y= 570296.85 N, X= 754158.86 E
B - Y= 570318.86 N, X= 756801.34 E
D - Y= 567655.87 N, X= 754176.61 E
F - Y= 565014.55 N, X= 754195.06 E
G - Y= 565029.65 N, X= 756839.74 E

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NAD 83 NME, NMSPC ZONE 3001
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B - LAT.=32.5659162° N, LONG.=103.6339394° W
D - LAT.=32.5586439° N, LONG.=103.6425148° W
F - LAT.=32.5513837° N, LONG.=103.6425106° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W

**LAST TAKE POINT/
BOTTOM HOLE LOCATION**
NAD 83 NME, NMSPC ZONE 3001
Y= 570210.04 N
X= 755743.48 E
LAT: 32.5656361° N
LONG: 103.6373753° W

DISTRICT I
 1625 N. French Dr., Hobbs, N.M. 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720

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Form C-102

Revised August 1, 2011

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 Santa Fe, N.M. 87505

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁶ Property Name SANDRA JEAN 23 FED COM	
⁷ OGRID No.	⁸ Operator Name AVANT OPERATING, LLC	⁵ Well Number 305H
		⁹ Elevation 3622

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	20 S	33 E		360	SOUTH	1137	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

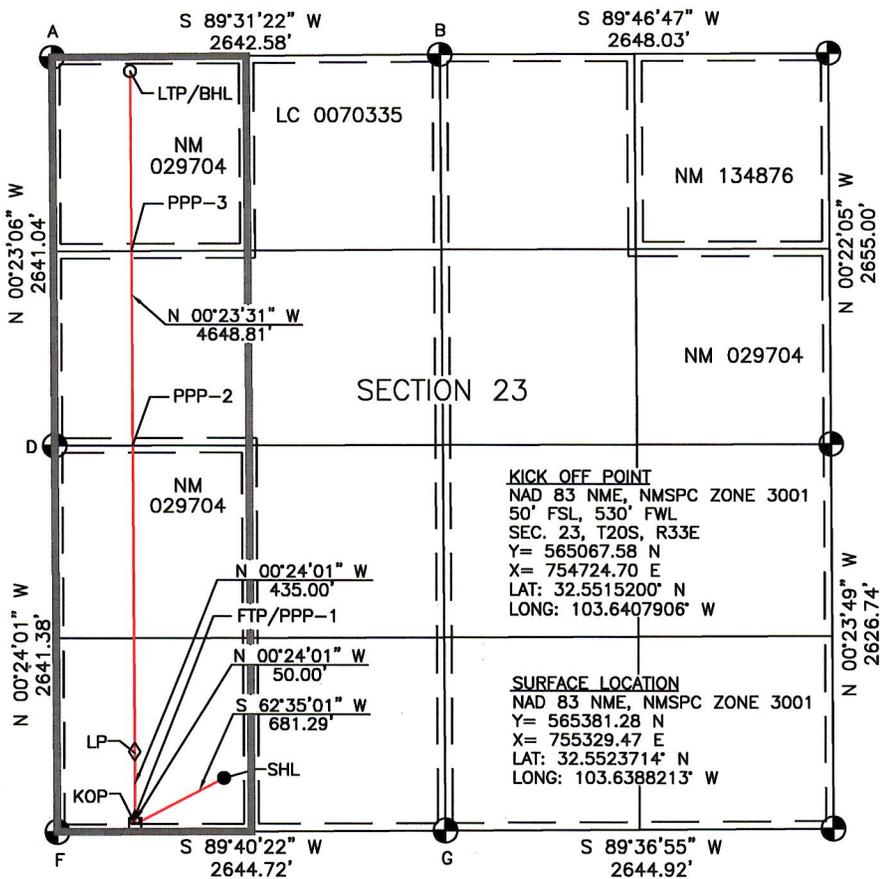
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	20 S	33 E		100	NORTH	530	WEST	LEA

¹² Dedicated Acres SECTION 23: W/2 W/2; 160 Ac.	TOTAL: 160 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP



¹⁷ OPERATOR CERTIFICATION

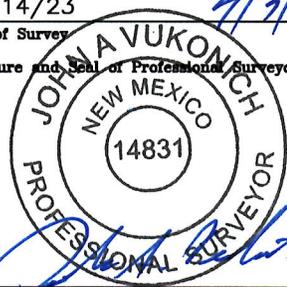
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Signature _____ Date _____
 Printed Name _____
 E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23
 Date of Survey
 Signature and Seal of Professional Surveyor: *John A Vukovich*
 Certificate Number 14831



FIRST TAKE POINT/PPP-1
 NAD 83 NME, NMSPC ZONE 3001
 100' FSL, 530' FWL
 SEC. 23, T20S, R33E
 Y= 565117.57 N
 X= 754724.35 E
 LAT: 32.5516575° N
 LONG: 103.6407907° W

LANDING POINT
 NAD 83 NME, NMSPC ZONE 3001
 535' FSL, 530' FWL
 SEC. 23, T20S, R33E
 Y= 565552.56 N
 X= 754721.31 E
 LAT: 32.5528531° N
 LONG: 103.6407914° W

PPP-2
 NAD 83 NME, NMSPC ZONE 3001
 2640' FSL, 530' FWL
 SEC. 23, T20S, R33E
 Y= 567657.69 N
 X= 754706.91 E
 LAT: 32.5586394° N
 LONG: 103.6407937° W

PPP-3
 NAD 83 NME, NMSPC ZONE 3001
 1322' FNL, 530' FWL
 SEC. 23, T20S, R33E
 Y= 568979.48 N
 X= 754697.87 E
 LAT: 32.5622726° N
 LONG: 103.6407951° W

CORNER COORDINATES TABLE
 NAD 83 NME, NMSPC ZONE 3001
 A - Y= 570296.85 N, X= 754158.86 E
 B - Y= 570318.86 N, X= 756801.34 E
 D - Y= 567655.87 N, X= 754176.61 E
 F - Y= 565014.55 N, X= 754195.06 E
 G - Y= 565029.65 N, X= 756839.74 E

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 A - LAT.=32.5659031° N, LONG.=103.6425168° W
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 D - LAT.=32.5586439° N, LONG.=103.6425148° W
 F - LAT.=32.5513837° N, LONG.=103.6425106° W
 G - LAT.=32.5513778° N, LONG.=103.6339276° W

**LAST TAKE POINT/
 BOTTOM HOLE LOCATION**
 NAD 83 NME, NMSPC ZONE 3001
 Y= 570201.26 N
 X= 754689.51 E
 LAT: 32.5656309° N
 LONG: 103.6407964° W

DISTRICT I
 1825 N. French Dr., Hobbs, N.M. 88240
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 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ OGRID No.	⁶ Well Number 603H	⁸ Elevation 3632
	⁹ Operator Name AVANT OPERATING, LLC	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	23	20 S	33 E		200	SOUTH	2057	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

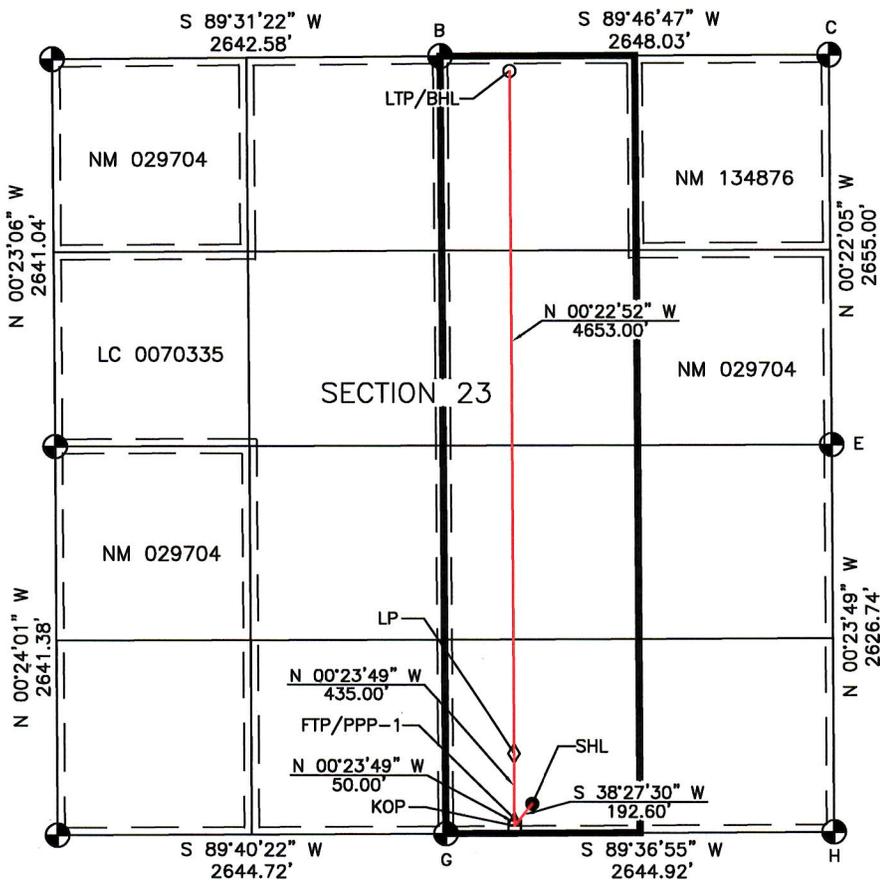
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	23	20 S	33 E		100	NORTH	2178	EAST	LEA

¹² Dedicated Acres SECTION 23: W/2 E/2; 160 Ac.	TOTAL: 160 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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- ◇ = LANDING POINT (LP)
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¹⁷ OPERATOR CERTIFICATION

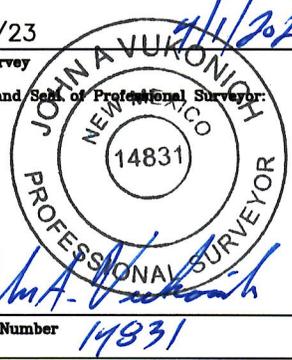
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Signature _____ Date _____
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2/14/23
 Date of Survey
 Signature and Seal of Professional Surveyor: *John A. Vukonich*
 Certificate Number 14831



SURFACE LOCATION
 NAD 83 NME, NMSPC ZONE 3001
 Y= 565233.60 N
 X= 757426.09 E
 LAT: 32.5519278° N
 LONG: 103.6320203° W

KICK OFF POINT
 NAD 83 NME, NMSPC ZONE 3001
 50' FSL, 2178' FEL
 SEC. 23, T20S, R33E
 Y= 565082.79 N
 X= 757306.30 E
 LAT: 32.5515154° N
 LONG: 103.6324123° W

FIRST TAKE POINT/PPP-1
 NAD 83 NME, NMSPC ZONE 3001
 100' FSL, 2178' FEL
 SEC. 23, T20S, R33E
 Y= 565132.78 N
 X= 757305.96 E
 LAT: 32.5516528° N
 LONG: 103.6324124° W

LANDING POINT
 NAD 83 NME, NMSPC ZONE 3001
 535' FSL, 2178' FEL
 SEC. 23, T20S, R33E
 Y= 565567.77 N
 X= 757302.94 E
 LAT: 32.5528485° N
 LONG: 103.6324128° W

CORNER COORDINATES TABLE
 NAD 83 NME, NMSPC ZONE 3001
 B - Y= 570318.86 N, X= 756801.34 E
 C - Y= 570329.03 N, X= 759449.35 E
 E - Y= 567674.09 N, X= 759466.41 E
 G - Y= 565029.65 N, X= 756839.74 E
 H - Y= 565047.41 N, X= 759484.60 E

CORNER COORDINATES TABLE
 NAD 83 NME, NMSPC ZONE 3001
 B - LAT.=32.5659162° N, LONG.=103.6339394° W
 C - LAT.=32.5658960° N, LONG.=103.6253443° W
 E - LAT.=32.5585985° N, LONG.=103.6253463° W
 G - LAT.=32.5513778° N, LONG.=103.6339276° W
 H - LAT.=32.5513786° N, LONG.=103.6253439° W

**LAST TAKE POINT/
 BOTTOM HOLE LOCATION**
 NAD 83 NME, NMSPC ZONE 3001
 Y= 570220.67 N
 X= 757272.00 E
 LAT: 32.5656378° N
 LONG: 103.6324138° W

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ OGRID No.	⁶ Operator Name AVANT OPERATING, LLC	⁸ Well Number 503H
		⁹ Elevation 3632

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	23	20 S	33 E		200	SOUTH	2077	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

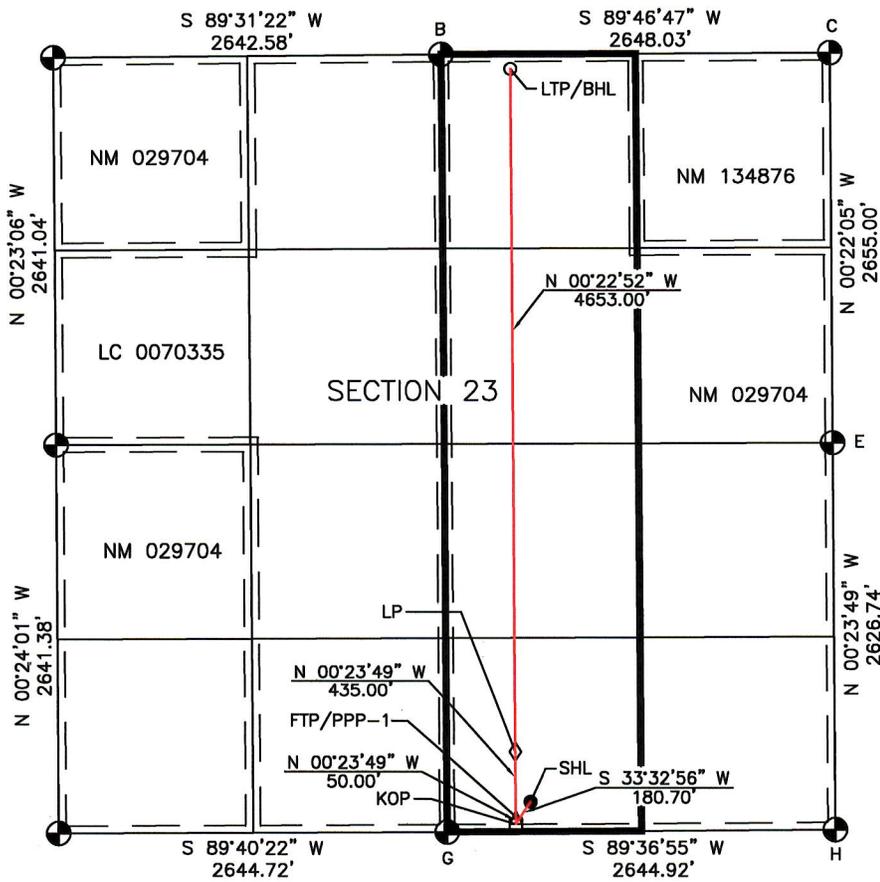
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	23	20 S	33 E		100	NORTH	2178	EAST	LEA

¹² Dedicated Acres SECTION 23: W/2 E/2; 160 Ac. TOTAL: 160 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

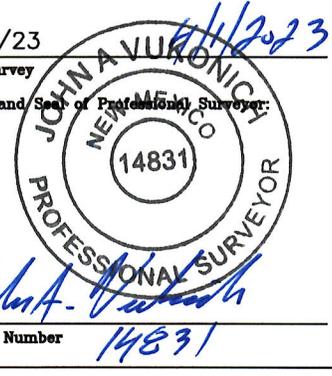
¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23
Date of Survey

Signature and Seal of Professional Surveyor: _____

Certificate Number 14831



SURFACE LOCATION
NAD 83 NME, NMSPC ZONE 3001
Y= 565233.38 N
X= 757406.17 E
LAT: 32.5519275' N
LONG: 103.6320850' W

KICK OFF POINT
NAD 83 NME, NMSPC ZONE 3001
50' FSL, 2178' FEL
SEC. 23, T20S, R33E
Y= 565082.79 N
X= 757306.30 E
LAT: 32.5515154' N
LONG: 103.6324123' W

FIRST TAKE POINT/PPP-1
NAD 83 NME, NMSPC ZONE 3001
100' FSL, 2178' FEL
SEC. 23, T20S, R33E
Y= 565132.79 N
X= 757305.96 E
LAT: 32.5516528' N
LONG: 103.6324124' W

LANDING POINT
NAD 83 NME, NMSPC ZONE 3001
535' FSL, 2178' FEL
SEC. 23, T20S, R33E
Y= 565567.77 N
X= 757302.94 E
LAT: 32.5528485' N
LONG: 103.6324128' W

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
B - Y= 570318.86 N, X= 756801.34 E
C - Y= 570329.03 N, X= 759449.35 E
E - Y= 567674.09 N, X= 759466.41 E
G - Y= 565029.65 N, X= 756839.74 E
H - Y= 565047.41 N, X= 759484.60 E

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
B - LAT.=32.5659162' N, LONG.=103.6339394' W
C - LAT.=32.5658960' N, LONG.=103.6253443' W
E - LAT.=32.5585985' N, LONG.=103.6253463' W
G - LAT.=32.5513778' N, LONG.=103.6339276' W
H - LAT.=32.5513786' N, LONG.=103.6253439' W

**LAST TAKE POINT/
BOTTOM HOLE LOCATION**
NAD 83 NME, NMSPC ZONE 3001
Y= 570220.67 N
X= 757272.00 E
LAT: 32.5656378' N
LONG: 103.6324138' W

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
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State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ OGRID No.	⁸ Operator Name AVANT OPERATING, LLC	⁶ Well Number 303H
		⁹ Elevation 3631

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	23	20 S	33 E		360	SOUTH	2067	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

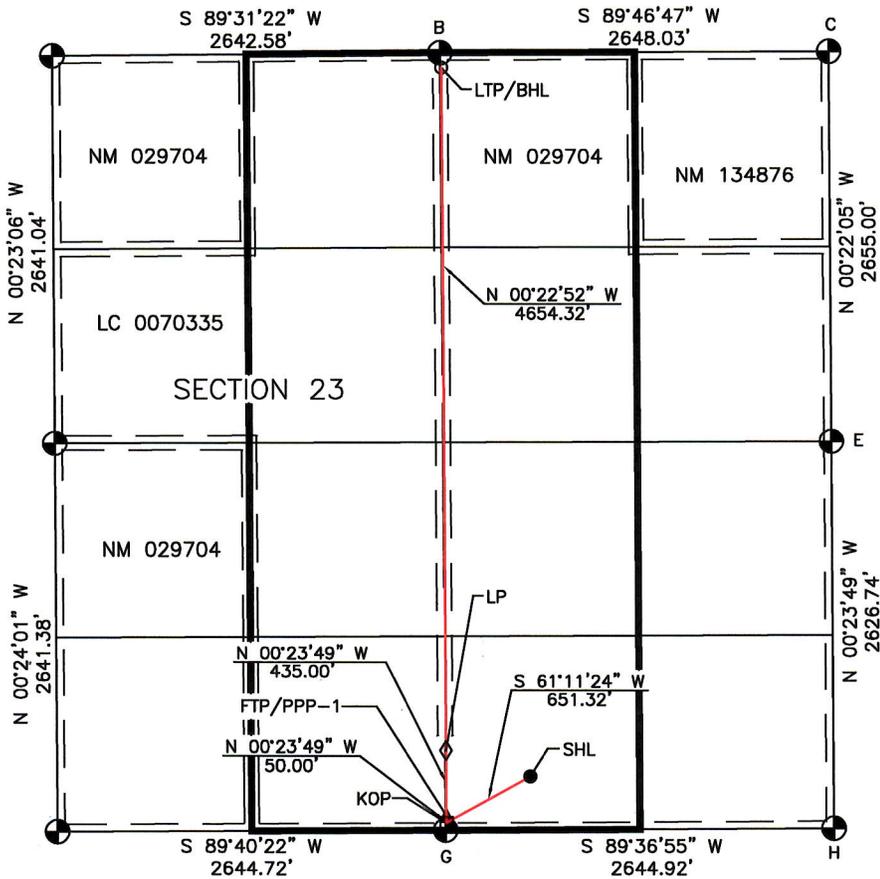
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	23	20 S	33 E		100	NORTH	2640	EAST	LEA

¹² Dedicated Acres SECTION 23: W/2 E/2, E/2 W/2; 320 Ac. TOTAL: 320 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23
Date of Survey
Signature and Seal of Professional Surveyor: *John A. Vukobratich*

Certificate Number 14831

SURFACE LOCATION
NAD 83 NME, NMSPC ZONE 3001
Y= 565393.56 N
X= 757415.01 E
LAT: 32.5523676° N
LONG: 103.6320529° W

KICK OFF POINT
NAD 83 NME, NMSPC ZONE 3001
50' FSL, 2640' FEL
SEC. 23, T20S, R33E
Y= 565079.68 N
X= 756844.31 E
LAT: 32.5515152° N
LONG: 103.6339116° W

FIRST TAKE POINT/PPP-1
NAD 83 NME, NMSPC ZONE 3001
100' FSL, 2640' FEL
SEC. 23, T20S, R33E
Y= 565129.68 N
X= 756843.97 E
LAT: 32.5516527° N
LONG: 103.6339117° W

LANDING POINT
NAD 83 NME, NMSPC ZONE 3001
535' FSL, 2640' FEL
SEC. 23, T20S, R33E
Y= 565564.67 N
X= 756840.96 E
LAT: 32.5528483° N
LONG: 103.6339122° W

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
B - Y= 570318.86 N, X= 756801.34 E
C - Y= 570329.03 N, X= 759449.35 E
E - Y= 567674.09 N, X= 759466.41 E
G - Y= 565029.65 N, X= 756839.74 E
H - Y= 565047.41 N, X= 759484.60 E

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001
B - LAT.=32.5659162° N, LONG.=103.6339394° W
C - LAT.=32.5658960° N, LONG.=103.6253443° W
E - LAT.=32.5585985° N, LONG.=103.6253463° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W
H - LAT.=32.5513786° N, LONG.=103.6253439° W

**LAST TAKE POINT/
BOTTOM HOLE LOCATION**
NAD 83 NME, NMSPC ZONE 3001
Y= 570218.89 N
X= 756810.01 E
LAT: 32.5656412° N
LONG: 103.6339134° W

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name			⁶ Well Number
		SANDRA JEAN 23 FED COM			605H
⁷ GRID No.		⁸ Operator Name			⁹ Elevation
		AVANT OPERATING, LLC			3623

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	23	20 S	33 E		200	SOUTH	1768	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	20 S	33 E		100	NORTH	1254	WEST	LEA

¹² Dedicated Acres				¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.	
SECTION 23: NW/4, SW/4; 320 Ac. TOTAL: 320 Ac.									

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

16 Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23
Date of Survey
Plat Revised: 3/20/23
Signature and Seal of Professional Surveyor

JOHN A. VUKONICH
NEW MEXICO
PROFESSIONAL SURVEYOR
14831

Certificate Number 14831

FIRST TAKE POINT/PPP-1
NAD 83 NME, NMSPC ZONE 3001
100' FSL, 1254' FWL
SEC. 23, T20S, R33E
Y= 565121.71 N
X= 755448.34 E
LAT: 32.5516559° N
LONG: 103.6384411° W

LANDING POINT
NAD 83 NME, NMSPC ZONE 3001
535' FSL, 1254' FWL
SEC. 23, T20S, R33E
Y= 565556.70 N
X= 755445.30 E
LAT: 32.5528515° N
LONG: 103.6384417° W

PPP-2
NAD 83 NME, NMSPC ZONE 3001
2639' FSL, 1254' FWL
SEC. 23, T20S, R33E
Y= 567660.19 N
X= 755430.91 E
LAT: 32.5586333° N
LONG: 103.6384439° W

PPP-3
NAD 83 NME, NMSPC ZONE 3001
1324' FNL, 1254' FWL
SEC. 23, T20S, R33E
Y= 568983.74 N
X= 755421.86 E
LAT: 32.5622714° N
LONG: 103.6384452° W

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001

A - Y= 570296.85 N, X= 754158.86 E
B - Y= 570318.86 N, X= 756801.34 E
D - Y= 567655.87 N, X= 754176.61 E
F - Y= 565014.55 N, X= 754195.06 E
G - Y= 565029.65 N, X= 756839.74 E

CORNER COORDINATES TABLE
NAD 83 NME, NMSPC ZONE 3001

A - LAT.=32.5659031° N, LONG.=103.6425168° W
B - LAT.=32.5659162° N, LONG.=103.6339394° W
D - LAT.=32.5586439° N, LONG.=103.6425148° W
F - LAT.=32.5513837° N, LONG.=103.6425106° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W

LAST TAKE POINT/BOTTOM HOLE LOCATION
NAD 83 NME, NMSPC ZONE 3001
Y= 570207.30 N
X= 755413.49 E
LAT: 32.5656345° N
LONG: 103.6384464° W

DISTRICT I
 1825 N. French Dr., Hobbs, N.M. 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
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 Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, N.M. 87505

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 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ OGRID No.	⁸ Operator Name AVANT OPERATING, LLC	⁶ Well Number 505H
		⁹ Elevation 3624

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	23	20 S	33 E		200	SOUTH	1788	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	20 S	33 E		100	NORTH	1254	WEST	LEA

¹² Dedicated Acres SECTION 23: NW/4, SW/4; 320 Ac. TOTAL: 320 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

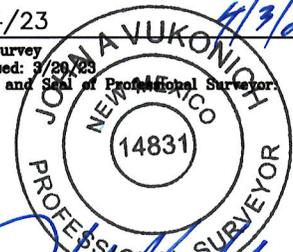
Signature _____ Date _____
 Printed Name _____
 E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

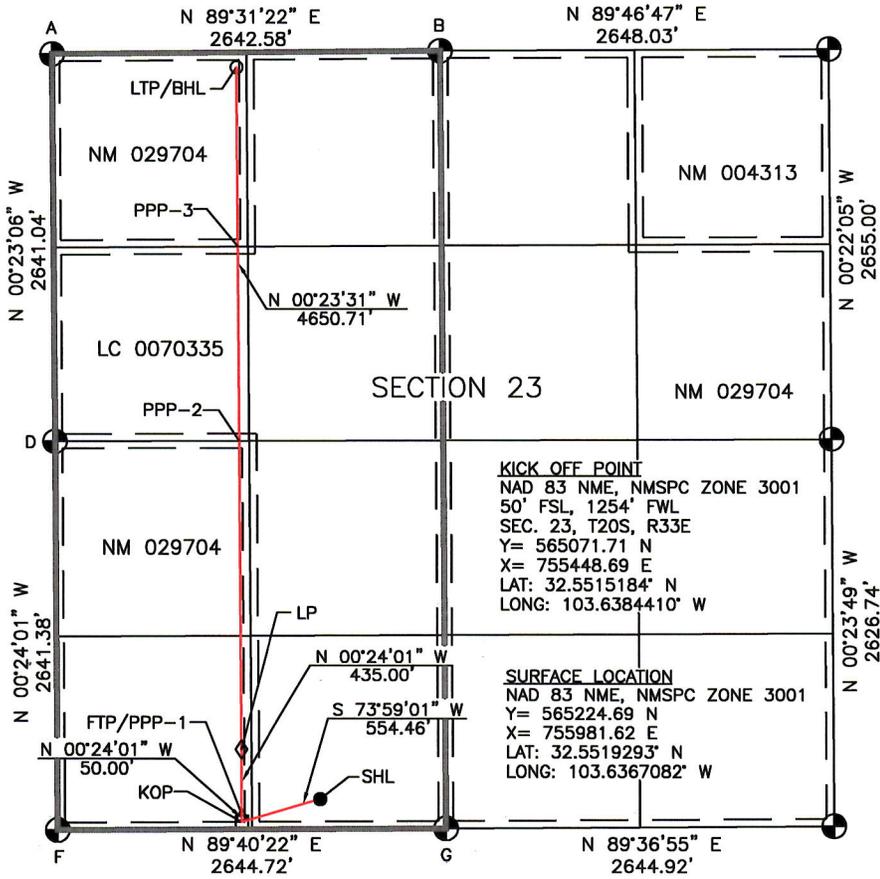
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23

Date of Survey
 Plat Revised: 2/20/23
 Signature and Seal of Professional Surveyor



Certificate Number 14831



FIRST TAKE POINT/PPP-1
 NAD 83 NME, NMSPC ZONE 3001
 100' FSL, 1254' FWL
 SEC. 23, T20S, R33E
 Y= 565121.71 N
 X= 755448.34 E
 LAT: 32.5516559° N
 LONG: 103.6384411° W

LANDING POINT
 NAD 83 NME, NMSPC ZONE 3001
 535' FSL, 1254' FWL
 SEC. 23, T20S, R33E
 Y= 565556.70 N
 X= 755445.30 E
 LAT: 32.5528515° N
 LONG: 103.6384417° W

PPP-2
 NAD 83 NME, NMSPC ZONE 3001
 2639' FSL, 1254' FWL
 SEC. 23, T20S, R33E
 Y= 567660.19 N
 X= 755430.91 E
 LAT: 32.5586333° N
 LONG: 103.6384439° W

PPP-3
 NAD 83 NME, NMSPC ZONE 3001
 1324' FSL, 1254' FWL
 SEC. 23, T20S, R33E
 Y= 568983.74 N
 X= 755421.86 E
 LAT: 32.5622714° N
 LONG: 103.6384452° W

CORNER COORDINATES TABLE
 NAD 83 NME, NMSPC ZONE 3001

A - Y= 570296.85 N, X= 754158.86 E
B - Y= 570318.86 N, X= 756801.34 E
D - Y= 567655.87 N, X= 754176.61 E
F - Y= 565014.55 N, X= 754195.06 E
G - Y= 565029.65 N, X= 756839.74 E

CORNER COORDINATES TABLE
 NAD 83 NME, NMSPC ZONE 3001

A - LAT.=32.5659031° N, LONG.=103.6425168° W
B - LAT.=32.5659162° N, LONG.=103.6339394° W
D - LAT.=32.5586439° N, LONG.=103.6425148° W
F - LAT.=32.5513837° N, LONG.=103.6425106° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W

**LAST TAKE POINT/
 BOTTOM HOLE LOCATION**
 NAD 83 NME, NMSPC ZONE 3001

Y= 570207.29 N
X= 755413.49 E
LAT: 32.5656345° N
LONG: 103.6384464° W

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
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Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

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OIL CONSERVATION DIVISION

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

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

District Office

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name			
⁴ Property Code		⁶ Property Name SANDRA JEAN 23 FED COM				⁵ Well Number 504H	
⁷ OGRID No.		⁸ Operator Name AVANT OPERATING, LLC				⁹ Elevation 3624	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	23	20 S	33 E		200	SOUTH	1848	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

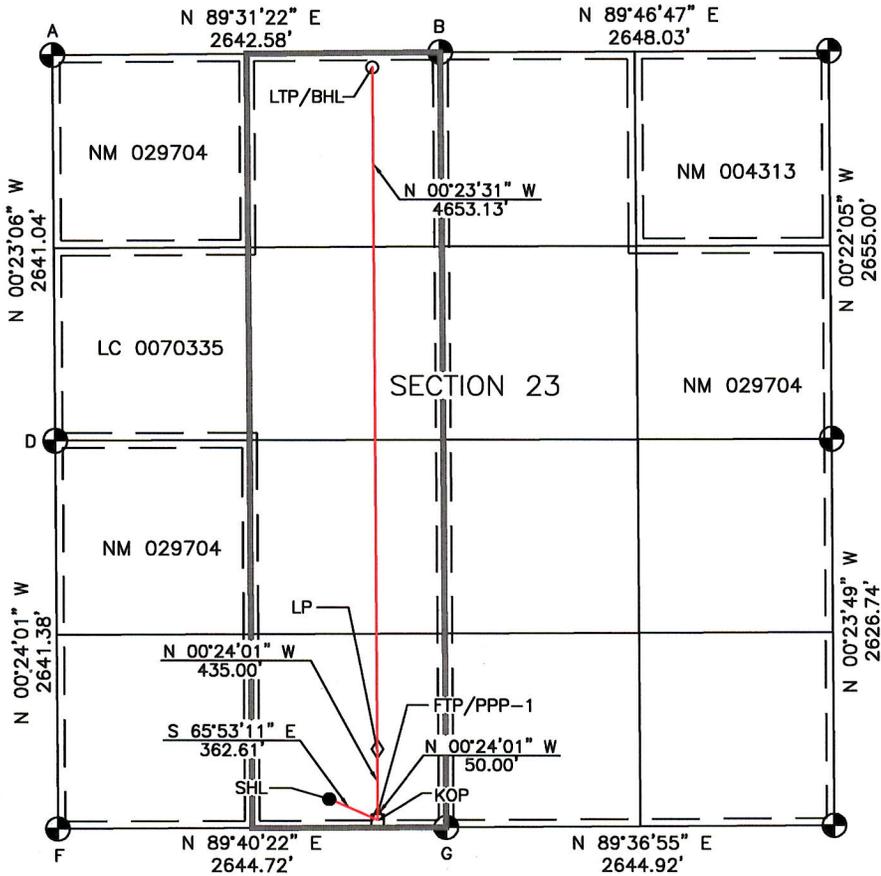
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	23	20 S	33 E		100	NORTH	2178	WEST	LEA

¹² Dedicated Acres SECTION 23: E/2, W/2; 160 Ac. TOTAL: 160 Ac.		¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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¹⁶ Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP



¹⁷ OPERATOR CERTIFICATION

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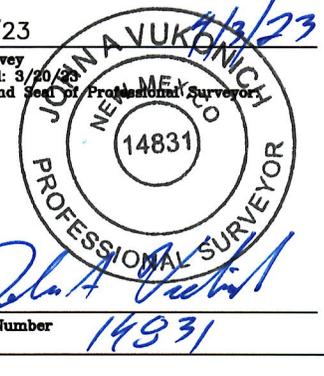
Signature _____ Date _____
Printed Name _____
E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23

Date of Survey
Plat Revised: 3/20/23
Signature and Seal of Professional Surveyor



Certificate Number 14831

SURFACE LOCATION

NAD 83 NME, NMSPC ZONE 3001
Y= 565225.13 N
X= 756041.70 E
LAT: 32.5519295° N
LONG: 103.6365132° W

KICK OFF POINT

NAD 83 NME, NMSPC ZONE 3001
50' FSL, 2178' FWL
SEC. 23, T20S, R33E
Y= 565076.98 N
X= 756372.67 E
LAT: 32.5515163° N
LONG: 103.6354423° W

FIRST TAKE POINT/PPP-1

NAD 83 NME, NMSPC ZONE 3001
100' FSL, 2178' FWL
SEC. 23, T20S, R33E
Y= 565126.98 N
X= 756372.32 E
LAT: 32.5516537° N
LONG: 103.6354424° W

LANDING POINT

NAD 83 NME, NMSPC ZONE 3001
535' FSL, 2178' FWL
SEC. 23, T20S, R33E
Y= 565561.97 N
X= 756369.28 E
LAT: 32.5528494° N
LONG: 103.6354430° W

CORNER COORDINATES TABLE

NAD 83 NME, NMSPC ZONE 3001
A - Y= 570296.85 N, X= 754158.86 E
B - Y= 570318.86 N, X= 756801.34 E
D - Y= 567655.87 N, X= 754176.61 E
F - Y= 565014.55 N, X= 754195.06 E
G - Y= 565029.65 N, X= 756839.74 E

CORNER COORDINATES TABLE

NAD 83 NME, NMSPC ZONE 3001
A - LAT.=32.5659031° N, LONG.=103.6425168° W
B - LAT.=32.5659162° N, LONG.=103.6339394° W
D - LAT.=32.5586439° N, LONG.=103.6425148° W
F - LAT.=32.5513837° N, LONG.=103.6425106° W
G - LAT.=32.5513778° N, LONG.=103.6339276° W

LAST TAKE POINT/
BOTTOM HOLE LOCATION

NAD 83 NME, NMSPC ZONE 3001
Y= 570214.99 N
X= 756337.46 E
LAT: 32.5656391° N
LONG: 103.6354473° W

DISTRICT I
 1625 N. French Dr., Hobbs, N.M. 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
 811 S. First St., Artesia, N.M. 88210
 Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
 1000 Rio Brazos Rd., Aztec, N.M. 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
 1220 S. St. Francis Dr., Santa Fe, N.M. 87505
 Phone: (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, N.M. 87505

Submit one copy to appropriate
 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name SANDRA JEAN 23 FED COM	
⁷ OGRID No.	⁸ Operator Name AVANT OPERATING, LLC	⁶ Well Number 604H
		⁹ Elevation 3624

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	23	20 S	33 E		200	SOUTH	1868	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

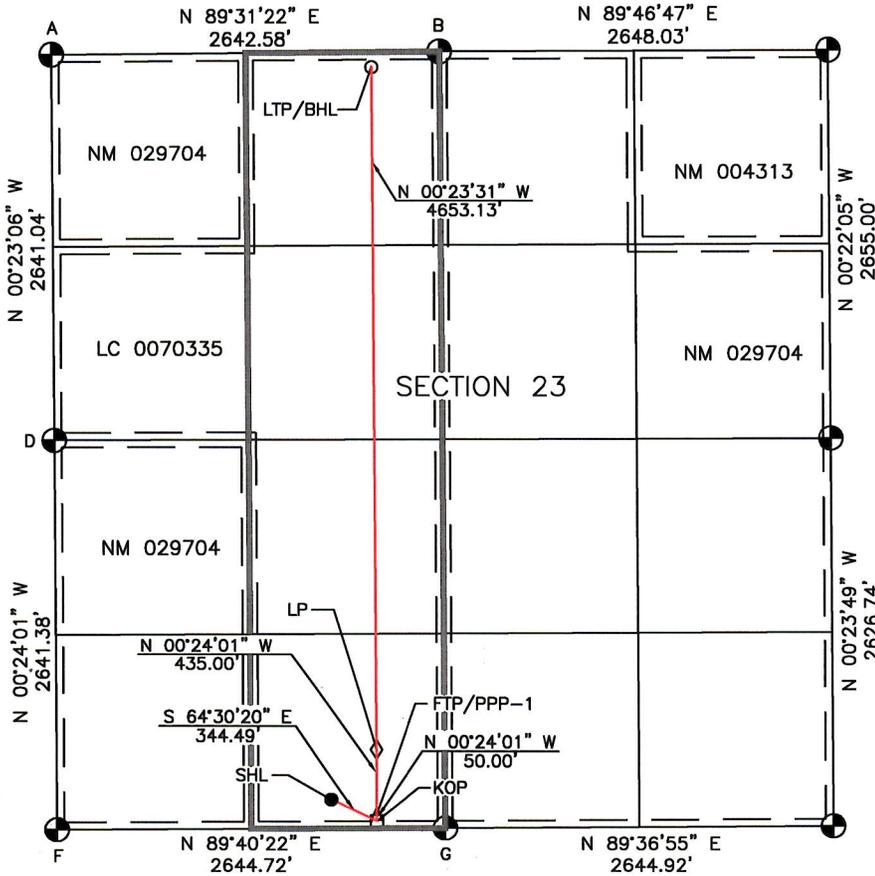
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	23	20 S	33 E		100	NORTH	2178	WEST	LEA

¹² Dedicated Acres SECTION 23: E/2, W/2; 160 Ac. TOTAL: 160 Ac.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ Legend:

- = SURFACE LOCATION (SHL)
- = LTP/BHL
- △ = FTP/PPP-1
- = KICK OFF POINT (KOP)
- ◇ = LANDING POINT (LP)
- ⊙ = FOUND 1912 USGLO BRASS CAP



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

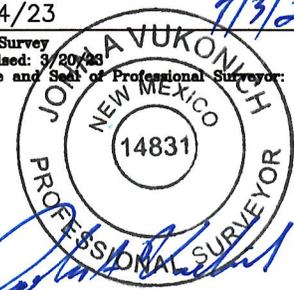
Signature _____ Date _____
 Printed Name _____
 E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

2/14/23

Date of Survey
 Plat Revised: 3/20/23
 Signature and Seal of Professional Surveyor:



Certificate Number 14831

SURFACE LOCATION

NAD 83 NME, NMSPC ZONE 3001
 Y= 565225.26 N
 X= 756061.72 E
 LAT: 32.5519295° N
 LONG: 103.6364483° W

KICK OFF POINT

NAD 83 NME, NMSPC ZONE 3001
 50' FSL, 2178' FWL
 SEC. 23, T20S, R33E
 Y= 565076.98 N
 X= 756372.67 E
 LAT: 32.5515163° N
 LONG: 103.6354423° W

FIRST TAKE POINT/PPP-1

NAD 83 NME, NMSPC ZONE 3001
 100' FSL, 2178' FWL
 SEC. 23, T20S, R33E
 Y= 565126.98 N
 X= 756372.32 E
 LAT: 32.5516537° N
 LONG: 103.6354424° W

LANDING POINT

NAD 83 NME, NMSPC ZONE 3001
 535' FSL, 2178' FWL
 SEC. 23, T20S, R33E
 Y= 565561.97 N
 X= 756369.28 E
 LAT: 32.5528494° N
 LONG: 103.6354430° W

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 F - Y= 565014.55 N, X= 754195.06 E
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CORNER COORDINATES TABLE

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 F - LAT.=32.5513837° N, LONG.=103.6425106° W
 G - LAT.=32.5513778° N, LONG.=103.639276° W

LAST TAKE POINT/

BOTTOM HOLE LOCATION
 NAD 83 NME, NMSPC ZONE 3001
 Y= 570214.99 N
 X= 756337.46 E
 LAT: 32.5656391° N
 LONG: 103.6354473° W

Lease Tract Map

Sandra Jean 23 Federal Com

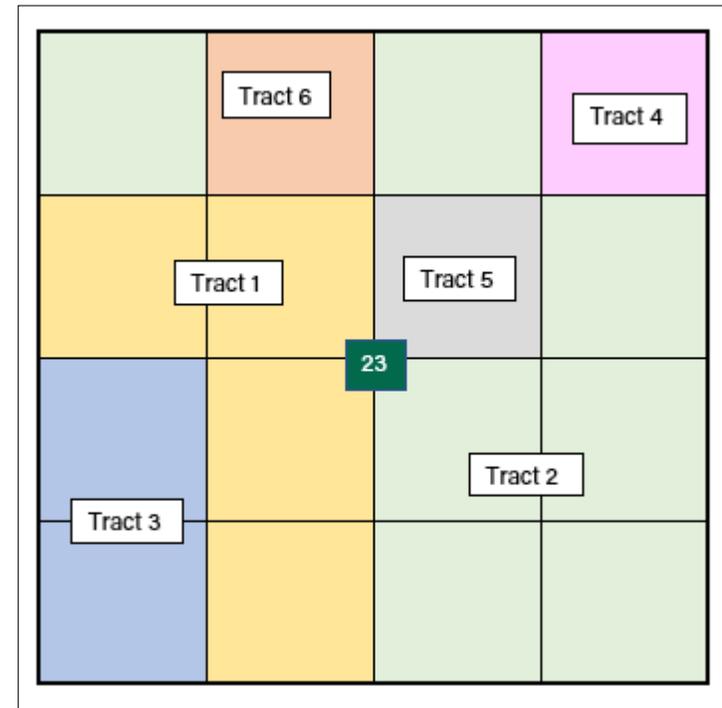
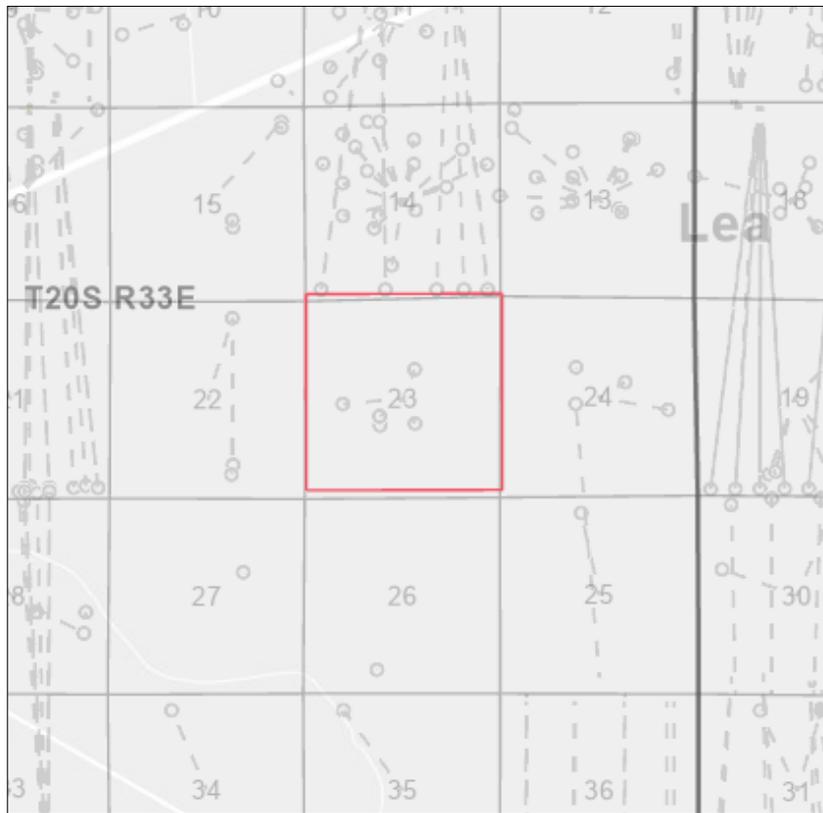
#301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC

Case Nos. 23678



Lease Tract Map: ALL of Sections 23, Township 20 South, Range 33 East, N.M.P.M., Lea County, New Mexico



Tract	State/Fed/Fee	Lease	Acres
Tract 1	FED	NMLC 070335	160
Tract 2	FED	NMNM 029704	280
Tract 3	FED	NMNM 029704	80
Tract 4	FED	NMNM 134876	40
Tract 5	FED	NMNM 029704	40
Tract 6	FED	NMLC 070335	40
TOTAL FEDERAL ACRES:			640



Exhibit B-3

Exhibit B-3

Tract Map - Locations

Sandra Jean 23 Federal Com

#301H-#305H / #501-#506H / #601H-#606H

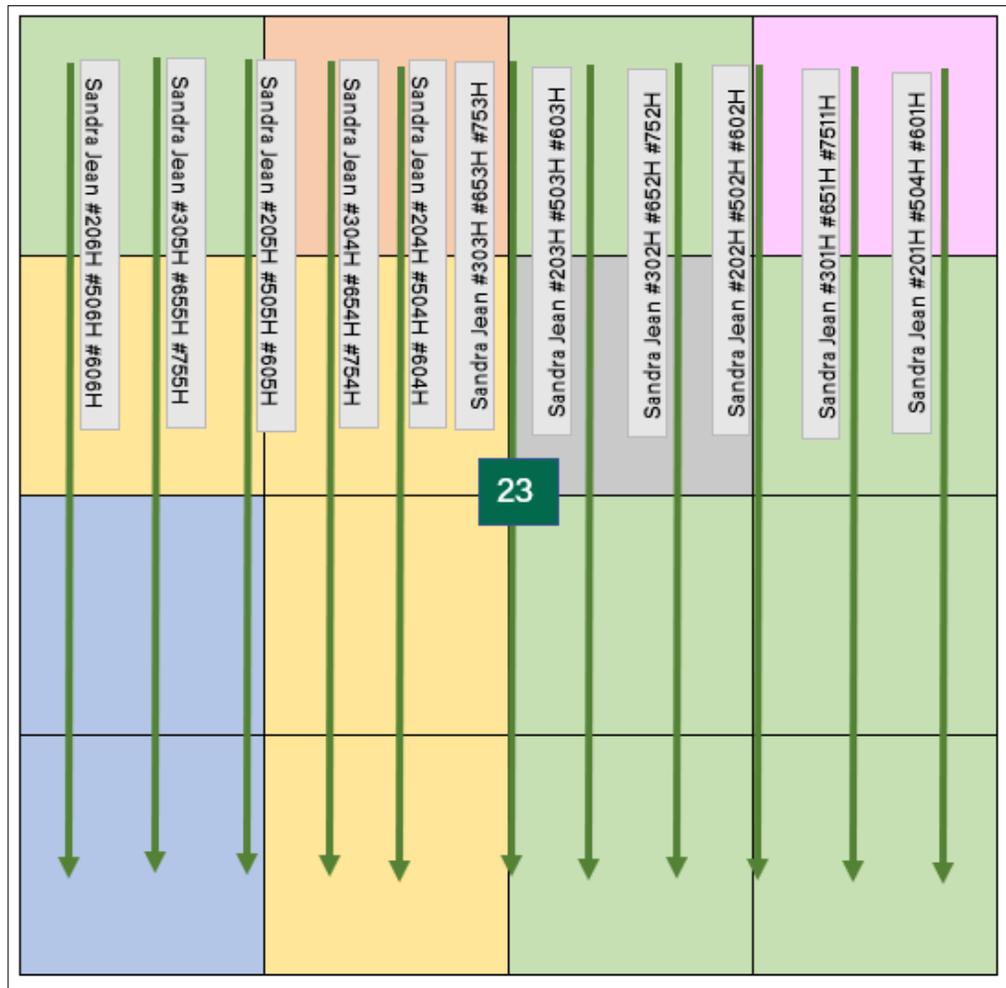
Avant Operating, LLC

Case Nos. 23678



ALL of Sections 23, Township 20 South, Range 33 East, N.M.P.M., Lea County, New Mexico

Tract Map with approx. well locations:



Tract	State/Fed/Fee	Lease	Acres
Tract 1	FED	NMLC 070335	160
Tract 2	FED	NMNM 029704	280
Tract 3	FED	NMNM 029704	80
Tract 4	FED	NMNM 134876	40
Tract 5	FED	NMNM 029704	40
Tract 6	FED	NMLC 070335	40
TOTAL FEDERAL ACRES:			640



Summary of Interests

Sandra Jean 23 Federal Com

#301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC

Case Nos. 23678

Exhibit X-X



ALL of Sections 23, Township 20 South, Range 33 East, N.M.P.M., Lea County, New Mexico

Summary of Interests and Working Interest Owners to be Pooled:

COMMITTED INTEREST

WI OWNER	WI	Net Acres	Tract No	FORCE POOL INTEREST
Avant Operating, LLC	7.5037%	48.0235	2, 3, 5	Operator
Chief Capital (O&G) II, LLC	9.3796%	60.0294	2, 3, 5	Yes
Legion Production Partners, LLC	26.2629%	168.0824	2, 3, 5	Yes
Double Cabin Minerals, LLC	3.7518%	24.0118	2, 3, 5	Yes
COG Operating, LLC	6.2500%	40.0000	4	No
	53.1480%	340.1471		

UNCOMMITTED INTEREST

WI OWNER	WI	Net Acres	Tract No	FORCE POOL INTEREST
EOG Resources, Inc	5.6250%	36.0000	2, 3	Yes
Mary T. Ard / Ard Energy Group	6.8153%	43.6180	2, 3, 5	Yes
Finley Production Co. LP	2.8780%	18.4192	5	Yes
Grasslands Energy, LP	0.0405%	0.2592	5	Yes
BWAB Limited Liability Company	0.1581%	1.0117	5	Yes
Tremont Energy, LLC	0.0851%	0.5448	5	Yes
XTO Delaware Basin, LLC	31.2500%	200.0000	1, 6	Yes
	46.85%	299.85		

Exhibit B-3 Cont.



Summary of Interests

Sandra Jean 23 Federal Com

#301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC

Case Nos. 23678



ALL of Sections 23, Township 20 South, Range 33 East, N.M.P.M., Lea County, New Mexico

Summary of ORRI Owners to be Pooled:

ORRI Owners	Tract
Pamela Cleve Elliott, Trustee	1, 6
Joe John Bond	1, 6
Betsy Bond	1, 6
Claire Chilton Lopez	1, 6
John Lawrence Chilton	1, 6
John C Ryan IV	1, 6
Richard Royal Ryan	1, 6
Susan Ryan	1, 6
KWCL Properties	1, 6
Keystone O&G Multi-State, LLC	1, 6
Thru Line O&G Multi-State, LLC	1, 6
SRBI O&G Multi-State, LLC	1, 6
LMBI O&G Multi-State, LLC	1, 6
Edward T. Muse	1, 6
Ewell H. Muse, III	1, 6

ORRI Owners	Tract
LMBI I BPEOR NM, LLC	1, 6
LMBI II BPEOR NM, LLC	1, 6
Keystone (RMB) BPEOR NM, LLC	1, 6
Keystone (RMB) BPEOR NM, LLC	1, 6
CTV-LMB I BPEOR NM, LLC	1, 6
CTV-LMB II BPEOR NM, LLC	1, 6
CTV-CTAM BPEOR NM, LLC	1, 6
CTV-SRB I BPEOR NM, LLC	1, 6
CTV-SRB II BPEOR NM, LLC	1, 6
Thru Line BPEOR NM, LLC	1, 6
SRBI I BPEOR NM, LLC	1, 6
SRBI II BPEOR NM, LLC	1, 6
Jeanette Probandt	2
South Burbank Petroleum LP	2
Shackelford Oil Company	2
HMS Oil Company, LLC	2

ORRI Owners	Tract
Jeanette Probandt	3
Bob Shackelford	3
Don Shackelford	3
Barbe Development, LLC	3
Bhop, LLC	3
Kevin Robinson	3
Gannaway Oil, LLC	3
White Gold Corporation	3
Oak Valley Mineral & Land, LP	3
South Burbank Petroleum LP	3
Shackelford Oil Company	3
HMS Oil Company, LLC	3
Jeanette Probandt	5
Lewis B. Burselson Trust	5
South Burbank Petroleum LP	5
Shackelford Oil Company	5
HMS Oil Company, LLC	5

Exhibit B-3 Cont.



Summary of Contacts

Sandra Jean 23 Federal Com

#301H-#305H / #501-#506H / #601H-#606H



ALL of Sections 23, Township 20 South, Range 33 East, N.M.P.M., Lea County, New Mexico

Summary of Contacts

- Avant retained a broker who conducted extensive title work to determine the working interest owners and other interest owners.
- Avant searched public records, phone directory, LexisNexis subscription, and various different types of internet searches.
- Avant sent well proposals starting on or around April 14, 2023 and sent out additional proposal letters as additional working interest owners were identified.
- Avant proposed general terms of a Joint Operating Agreement (JOA) within the well proposal letters sent to working interest owners.
- Avant sent the working interest owners that requested a JOA.
- Avant had multiple communications with the uncommitted working interest owners, which I have outlined in the chart below.
- Marathon filed the application to force pool working interest owners who had not entered into an agreement.
- Avant's counsel sent notices of the force pooling applications to the addresses of record for the uncommitted interest owners and, also for overriding royalty owners.
- Avant also published notice in a newspaper of general circulation in the county where the wells will be located.



Exhibit B-4

Summary of Contacts

Sandra Jean 23 Federal Com

#301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC

Case Nos. 23678



ALL of Sections 23, Township 20 South, Range 33 East, N.M.P.M., Lea County, New Mexico

Summary of Contacts:

Name	% of Interest	Date Proposal Letter Sent	Proposal Letter Received	Follow-up / Comments
EOG RESOURCES, INC.	5.6250	4/7/2023	4/14/2023	5/25 EOG notifies us of potential deal w/in unit; 6/28 deal is closed; No further inquiries received
XTO DELAWARE BASIN, LLC	31.2500	4/7/2023	4/14/2023	4/12 confirms receipt of AFE; open to commercial options (trade, TA); 4/19 Avant sent over offer AO sent additional development information; 6/13 XTO to begin evaluation; 7/28 Technical Meeting Call w/both parties; 8/21 XTO finished review and should have recommendation to Avant soon. Multiple communications including as recently as 10/3.
BWAB, LLC	0.1581	6/5/2023	6/19/2023	6/19 confirms receipt of proposals; 6/21 Avant sent additional development plans and WI/NRI confirmation and showed interest in acquiring their WI; No further inquiries received
Tremont Energy	0.0851	6/5/2023	7/7/2023	Well proposal package was returned to sender w/no forwarding info; Sent to new address on 7/6; Received Proposals; No further inquiries received
Chief Capital (O&G) II LLC	9.3796	6/20/2023	6/27/2023	Wants to participate; No further inquiries received
Finley Production Co. LP	2.8780	6/21/2023	6/28/2023	7/18 asked for development questions; Avant asked if we could make an offer on interest; 9/11 Finley requested rig and spud timeline; No further inquiries received
Grasslands Energy, LP	0.0405	6/21/2023	6/27/2023	Wants to participate; No further inquiries received
Mary T. Ard / Ard Energy Group	6.8153	7/19/2023	7/21/2023	Received proposals; No further inquiries received





June 2nd, 2023

Sent Via Overnight Tracking Mail

Sent via email to: oliver.f.cho@conocophillips.com

CONOCOPHILLIPS and its subsidiaries
COG OPERATING, LLC
One Concho Center 600 W. Illinois Ave.
Midland, TX 79701

RE: Sandra Jean 23 Fed Com #301H, 302H, 303H, 304H, 305H
501H, 502H, 503H, 504H, 505H, 506H, 601H, 602H, 603H, 604H, 605H, 606H
751H, 752H, 753H, 754H, 755H
Section 23 Township 20 South, Range 33 East
Lea County, New Mexico

Ladies and Gentlemen:

Avant Operating, LLC ("Avant") hereby proposes to drill and complete the Sandra Jean 36 1 Fed Com #301H, 302H, 303H, 304H, 305H, 501H, 502H, 503H, 504H, 505H, 506H, 601H, 602H, 603H, 604H, 605H, 606H, 751H, 752H, 753H, 754H and 755H wells in Section 23, Township 20 South, Range 33 East, Lea County, New Mexico, to test the Bone Spring and Wolfcamp Formations.

In connection with the above, please note the following:

- The estimated cost of drilling, testing, completing, and equipping of each proposed well and CTB is itemized on the enclosed Authority for Expenditures ("AFE").
- **Sandra Jean 23 Fed Com #301H:** to be drilled from a legal location of Section 23-20S-33E. 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 14,773'.
- **Sandra Jean 23 Fed Com #302H:** to be drilled from a legal location of Section 23-20S-33E. 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 14,773'.
- **Sandra Jean 23 Fed Com #303H:** to be drilled from a legal location of Section 23-20S-33E. 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 14,773'.
- **Sandra Jean 23 Fed Com #304H:** to be drilled from a legal location of Section 23-20S-33E. 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 14,773'.

- **Sandra Jean 23 Fed Com #305H:** to be drilled from a legal location of Section 23-20S-33E. 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 14,773'.
- **Sandra Jean 23 Fed Com #501H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,400 TVD and will be drilled horizontally to a Measured Depth of approximately 15,673'.
- **Sandra Jean 23 Fed Com #502H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,400 TVD and will be drilled horizontally to a Measured Depth of approximately 15,673'.
- **Sandra Jean 23 Fed Com #503H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,400 TVD and will be drilled horizontally to a Measured Depth of approximately 15,673'.
- **Sandra Jean 23 Fed Com #504H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,400 TVD and will be drilled horizontally to a Measured Depth of approximately 15,673'.
- **Sandra Jean 23 Fed Com #505H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,400 TVD and will be drilled horizontally to a Measured Depth of approximately 15,673'.
- **Sandra Jean 23 Fed Com #506H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 10,400 TVD and will be drilled horizontally to a Measured Depth of approximately 15,673'.
- **Sandra Jean 23 Fed Com #601H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 12,400 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.
- **Sandra Jean 23 Fed Com #602H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.
- **Sandra Jean 23 Fed Com #603H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.
- **Sandra Jean 23 Fed Com #604H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.
- **Sandra Jean 23 Fed Com #605H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.

- **Sandra Jean 23 Fed Com #606H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Bone Spring formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.
- **Sandra Jean 23 Fed Com #751H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Wolfcamp formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.
- **Sandra Jean 23 Fed Com #752H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Wolfcamp formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.
- **Sandra Jean 23 Fed Com #753H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Wolfcamp formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.
- **Sandra Jean 23 Fed Com #754H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Wolfcamp formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.
- **Sandra Jean 23 Fed Com #755H:** to be drilled from a legal location of Section 23-20S-33E. The Well will have a targeted interval within the Wolfcamp formation at a depth of approximately 12,000 TVD and will be drilled horizontally to a Measured Depth of approximately 17,273'.

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 a modified 1989 AAPL form of Operating Agreement ("JOA"). This JOA 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 all of Section 23-T20-R33E
- This proposed Operating Agreement 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 plans to spud these wells in December 2023 and 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.

Should you have any questions, please contact the undersigned at tiffany@avantnr.com or (720) 746-5048.

Sincerely,

A handwritten signature in blue ink that reads "T Sarantinos". The signature is written in a cursive, flowing style.

Tiffany Sarantinos
Senior Landman

Enclosures

COG OPERATING, LLC elects as follows:

Sandra Jean 23 Fed Com #301H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #301H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #301H** well.

Sandra Jean 23 Fed Com #302H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #302H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #302H** well.

Sandra Jean 23 Fed Com #303H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #303H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #303H** well.

Sandra Jean 23 Fed Com #304H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #304H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #304H** well.

Sandra Jean 23 Fed Com #305H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #305H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #305H** well.

Sandra Jean 23 Fed Com #501H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #501H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #501H** well.

Sandra Jean 23 Fed Com #502H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #502H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #502H** well.

Sandra Jean 23 Fed Com #503H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #503H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #503H** well.

Sandra Jean 23 Fed Com #504H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #504H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #504H** well.

Sandra Jean 23 Fed Com #505H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #505H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #505H** well.

Sandra Jean 23 Fed Com #506H:

_____ I/We hereby elect to participate in the **Sandra Jean 23 Fed Com #506H** well.

_____ I/We hereby elect **NOT** to participate in the **Sandra Jean 23 Fed Com #506H** well.

Sandra Jean 23 Fed Com #601H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #601H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #601H well.

Sandra Jean 23 Fed Com #602H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #602H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #602H well.

Sandra Jean 23 Fed Com #603H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #603H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #603H well.

Sandra Jean 23 Fed Com #604H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #604H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #604H well.

Sandra Jean 23 Fed Com #605H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #605H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #605H well.

Sandra Jean 23 Fed Com #606H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #606H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #606H well.

Sandra Jean 23 Fed Com #751H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #751H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #751H well.

Sandra Jean 23 Fed Com #752H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #752H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #752H well.

Sandra Jean 23 Fed Com #753H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #753H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #753H well.

Sandra Jean 23 Fed Com #755H:

_____ I/We hereby elect to participate in the Sandra Jean 23 Fed Com #755H well.
_____ I/We hereby elect NOT to participate in the Sandra Jean 23 Fed Com #755H well.

CONOCOPHILLIPS and its subsidiaries
COG OPERATING, LLC

By: _____

Printed Name: _____

Title: _____

Date: _____



Authority for Expenditure

AFE: NM0055

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #301H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 360 FSL, 742 FEL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 530 FEL

Projected MD/TVD: 14773' / 9500'
Spud to TD: 14.2 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #301H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 14773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,366,179, \$3,833,128, \$8,199,307). Includes a TOTAL header.

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 # NM0055 - Sandra Jean 23 Fed Com #301H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,627,778	\$ -	\$ 1,627,778
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 573,127	\$ -	\$ 573,127
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 273,163	\$ 273,163
8400.308	Tubing:		\$ -	\$ 139,178	\$ 139,178
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,627,778	\$ 273,163	\$ 1,900,941

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,738,401	\$ -	\$ 2,738,401
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 733,148	\$ -	\$ 733,148
8200.104	Fuel/Power:		\$ 247,769	\$ -	\$ 247,769
8200.116	Bits & BHA:		\$ 102,020	\$ -	\$ 102,020
8200.128	Directional:		\$ 219,148	\$ -	\$ 219,148
8200.117	Mud & Chemicals:		\$ 129,328	\$ -	\$ 129,328
8200.115	Mud - Drill Water:		\$ 53,825	\$ -	\$ 53,825
8200.169	Mud Brine:		\$ 21,443	\$ -	\$ 21,443
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,400	\$ -	\$ 29,400
8200.164	Solids Control/Closed Loop:		\$ 63,672	\$ -	\$ 63,672
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 67,928	\$ -	\$ 67,928
8200.146	Mancamp:		\$ 42,475	\$ -	\$ 42,475
8200.137	Casing Services:		\$ 32,585	\$ -	\$ 32,585
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 27,824	\$ -	\$ 27,824
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 202,695	\$ -	\$ 202,695
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,116	\$ -	\$ 5,116
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,227	\$ -	\$ 2,227
8200.147	Drilling Overhead:		\$ 4,484	\$ -	\$ 4,484
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 130,757	\$ -	\$ 130,757

AFE # NM0055 - Sandra Jean 23 Fed Com #301H

Intangible Completion			\$ -	\$ 3,559,965	\$ 3,559,965
8300.205	Location & Roads:		\$ -	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$ -	\$ -	\$ -
8300.243	Analysis		\$ -	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$ -	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$ -	\$ 489,402	\$ 489,402
8300.207	Water:		\$ -	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$ -	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$ -	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$ -	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$ -	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$ -	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$ -	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$ -	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$ -	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$ -	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$ -	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$ -	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$ -	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$ -	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$ -	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$ -	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$ -	\$ 79,614	\$ 79,614
8300.273	Flowback:		\$ -	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$ -	\$ 11,533	\$ 11,533
8300.225	Contingency:		\$ -	\$ 169,522	\$ 169,522
TOTAL INTANGIBLE COSTS >>>			\$ 2,738,401	\$ 3,559,965	\$ 6,298,367

TOTAL D&C COSTS >>>	\$ 4,366,179	\$ 3,833,128	\$ 8,199,307
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0056

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #302H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 360 FSL, 802 FEL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 1584 FEL

Projected MD/TVD: 14773' / 9500'
Spud to TD: 14.2 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #302H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 14773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,366,179, \$3,833,128, \$8,199,307). Includes a TOTAL header.

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 # NM0056 - Sandra Jean 23 Fed Com #302H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,627,778	\$ -	\$ 1,627,778
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 573,127	\$ -	\$ 573,127
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 273,163	\$ 273,163
8400.308	Tubing:		\$ -	\$ 139,178	\$ 139,178
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,627,778	\$ 273,163	\$ 1,900,941

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,738,401	\$ -	\$ 2,738,401
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 733,148	\$ -	\$ 733,148
8200.104	Fuel/Power:		\$ 247,769	\$ -	\$ 247,769
8200.116	Bits & BHA:		\$ 102,020	\$ -	\$ 102,020
8200.128	Directional:		\$ 219,148	\$ -	\$ 219,148
8200.117	Mud & Chemicals:		\$ 129,328	\$ -	\$ 129,328
8200.115	Mud - Drill Water:		\$ 53,825	\$ -	\$ 53,825
8200.169	Mud Brine:		\$ 21,443	\$ -	\$ 21,443
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,400	\$ -	\$ 29,400
8200.164	Solids Control/Closed Loop:		\$ 63,672	\$ -	\$ 63,672
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 67,928	\$ -	\$ 67,928
8200.146	Mancamp:		\$ 42,475	\$ -	\$ 42,475
8200.137	Casing Services:		\$ 32,585	\$ -	\$ 32,585
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 27,824	\$ -	\$ 27,824
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 202,695	\$ -	\$ 202,695
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,116	\$ -	\$ 5,116
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,227	\$ -	\$ 2,227
8200.147	Drilling Overhead:		\$ 4,484	\$ -	\$ 4,484
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 130,757	\$ -	\$ 130,757

AFE # NM0056 - Sandra Jean 23 Fed Com #302H

Intangible Completion			\$	-	\$ 3,559,965	\$ 3,559,965
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 79,614	\$ 79,614
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 11,533	\$ 11,533
8300.225	Contingency:		\$	-	\$ 169,522	\$ 169,522
TOTAL INTANGIBLE COSTS >>>			\$	2,738,401	\$ 3,559,965	\$ 6,298,367

TOTAL D&C COSTS >>>	\$ 4,366,179	\$ 3,833,128	\$ 8,199,307
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0057

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #303H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 360 FSL, 2067 FEL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 2640 FEL

Projected MD/TVD: 14773' / 9500'
Spud to TD: 14.2 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #303H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 14773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,366,179, \$3,833,128, \$8,199,307). Includes a TOTAL header.

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 # NM0057 - Sandra Jean 23 Fed Com #303H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,627,778	\$ -	\$ 1,627,778
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 573,127	\$ -	\$ 573,127
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 273,163	\$ 273,163
8400.308	Tubing:		\$ -	\$ 139,178	\$ 139,178
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,627,778	\$ 273,163	\$ 1,900,941

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,738,401	\$ -	\$ 2,738,401
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 733,148	\$ -	\$ 733,148
8200.104	Fuel/Power:		\$ 247,769	\$ -	\$ 247,769
8200.116	Bits & BHA:		\$ 102,020	\$ -	\$ 102,020
8200.128	Directional:		\$ 219,148	\$ -	\$ 219,148
8200.117	Mud & Chemicals:		\$ 129,328	\$ -	\$ 129,328
8200.115	Mud - Drill Water:		\$ 53,825	\$ -	\$ 53,825
8200.169	Mud Brine:		\$ 21,443	\$ -	\$ 21,443
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,400	\$ -	\$ 29,400
8200.164	Solids Control/Closed Loop:		\$ 63,672	\$ -	\$ 63,672
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 67,928	\$ -	\$ 67,928
8200.146	Mancamp:		\$ 42,475	\$ -	\$ 42,475
8200.137	Casing Services:		\$ 32,585	\$ -	\$ 32,585
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 27,824	\$ -	\$ 27,824
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 202,695	\$ -	\$ 202,695
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,116	\$ -	\$ 5,116
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,227	\$ -	\$ 2,227
8200.147	Drilling Overhead:		\$ 4,484	\$ -	\$ 4,484
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 130,757	\$ -	\$ 130,757

AFE # NM0057 - Sandra Jean 23 Fed Com #303H

Intangible Completion			\$	-	\$ 3,559,965	\$ 3,559,965
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 79,614	\$ 79,614
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 11,533	\$ 11,533
8300.225	Contingency:		\$	-	\$ 169,522	\$ 169,522
TOTAL INTANGIBLE COSTS >>>			\$	2,738,401	\$ 3,559,965	\$ 6,298,367

TOTAL D&C COSTS >>>	\$ 4,366,179	\$ 3,833,128	\$ 8,199,307
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0058

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #304H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 360 FSL, 1197 FWL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 1584 FWL

Projected MD/TVD: 14773' / 9500'
Spud to TD: 14.2 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #304H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 14773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,366,179, \$3,833,128, \$8,199,307). Includes a TOTAL header.

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 # NM0058 - Sandra Jean 23 Fed Com #304H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,627,778	\$ -	\$ 1,627,778
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 573,127	\$ -	\$ 573,127
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 273,163	\$ 273,163
8400.308	Tubing:		\$ -	\$ 139,178	\$ 139,178
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,627,778	\$ 273,163	\$ 1,900,941

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,738,401	\$ -	\$ 2,738,401
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 733,148	\$ -	\$ 733,148
8200.104	Fuel/Power:		\$ 247,769	\$ -	\$ 247,769
8200.116	Bits & BHA:		\$ 102,020	\$ -	\$ 102,020
8200.128	Directional:		\$ 219,148	\$ -	\$ 219,148
8200.117	Mud & Chemicals:		\$ 129,328	\$ -	\$ 129,328
8200.115	Mud - Drill Water:		\$ 53,825	\$ -	\$ 53,825
8200.169	Mud Brine:		\$ 21,443	\$ -	\$ 21,443
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,400	\$ -	\$ 29,400
8200.164	Solids Control/Closed Loop:		\$ 63,672	\$ -	\$ 63,672
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 67,928	\$ -	\$ 67,928
8200.146	Mancamp:		\$ 42,475	\$ -	\$ 42,475
8200.137	Casing Services:		\$ 32,585	\$ -	\$ 32,585
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 27,824	\$ -	\$ 27,824
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 202,695	\$ -	\$ 202,695
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,116	\$ -	\$ 5,116
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,227	\$ -	\$ 2,227
8200.147	Drilling Overhead:		\$ 4,484	\$ -	\$ 4,484
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 130,757	\$ -	\$ 130,757

AFE # NM0058 - Sandra Jean 23 Fed Com #304H

Intangible Completion			\$	-	\$ 3,559,965	\$ 3,559,965
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 79,614	\$ 79,614
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 11,533	\$ 11,533
8300.225	Contingency:		\$	-	\$ 169,522	\$ 169,522
TOTAL INTANGIBLE COSTS >>>			\$	2,738,401	\$ 3,559,965	\$ 6,298,367

TOTAL D&C COSTS >>>	\$ 4,366,179	\$ 3,833,128	\$ 8,199,307
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0059

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #305H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 360 FSL, 1137 FWL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 530 FWL

Projected MD/TVD: 14773' / 9500'
Spud to TD: 14.2 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #305H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 14773' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,366,179, \$3,833,128, \$8,199,307). Includes a TOTAL header.

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 # NM0059 - Sandra Jean 23 Fed Com #305H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,627,778	\$ -	\$ 1,627,778
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 573,127	\$ -	\$ 573,127
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 273,163	\$ 273,163
8400.308	Tubing:		\$ -	\$ 139,178	\$ 139,178
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,627,778	\$ 273,163	\$ 1,900,941

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,738,401	\$ -	\$ 2,738,401
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 733,148	\$ -	\$ 733,148
8200.104	Fuel/Power:		\$ 247,769	\$ -	\$ 247,769
8200.116	Bits & BHA:		\$ 102,020	\$ -	\$ 102,020
8200.128	Directional:		\$ 219,148	\$ -	\$ 219,148
8200.117	Mud & Chemicals:		\$ 129,328	\$ -	\$ 129,328
8200.115	Mud - Drill Water:		\$ 53,825	\$ -	\$ 53,825
8200.169	Mud Brine:		\$ 21,443	\$ -	\$ 21,443
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,400	\$ -	\$ 29,400
8200.164	Solids Control/Closed Loop:		\$ 63,672	\$ -	\$ 63,672
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 67,928	\$ -	\$ 67,928
8200.146	Mancamp:		\$ 42,475	\$ -	\$ 42,475
8200.137	Casing Services:		\$ 32,585	\$ -	\$ 32,585
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 27,824	\$ -	\$ 27,824
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 202,695	\$ -	\$ 202,695
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,116	\$ -	\$ 5,116
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,227	\$ -	\$ 2,227
8200.147	Drilling Overhead:		\$ 4,484	\$ -	\$ 4,484
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 130,757	\$ -	\$ 130,757

AFE # NM0059 - Sandra Jean 23 Fed Com #305H

Intangible Completion			\$	-	\$ 3,559,965	\$ 3,559,965
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 79,614	\$ 79,614
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 11,533	\$ 11,533
8300.225	Contingency:		\$	-	\$ 169,522	\$ 169,522
TOTAL INTANGIBLE COSTS >>>			\$	2,738,401	\$ 3,559,965	\$ 6,298,367

TOTAL D&C COSTS >>>	\$ 4,366,179	\$ 3,833,128	\$ 8,199,307
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0060

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #501H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 732 FEL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 330 FEL

Projected MD/TVD: 15673' / 10400'
Spud to TD: 14.7 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #501H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 15673' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,461,188, \$3,847,964, \$8,309,152). Includes a TOTAL header.

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 # NM0060 - Sandra Jean 23 Fed Com #501H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,662,501	\$ -	\$ 1,662,501
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 607,850	\$ -	\$ 607,850
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 286,456	\$ 286,456
8400.308	Tubing:		\$ -	\$ 152,471	\$ 152,471
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,662,501	\$ 286,456	\$ 1,948,957

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,798,687	\$ -	\$ 2,798,687
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 759,325	\$ -	\$ 759,325
8200.104	Fuel/Power:		\$ 255,786	\$ -	\$ 255,786
8200.116	Bits & BHA:		\$ 102,621	\$ -	\$ 102,621
8200.128	Directional:		\$ 224,887	\$ -	\$ 224,887
8200.117	Mud & Chemicals:		\$ 130,430	\$ -	\$ 130,430
8200.115	Mud - Drill Water:		\$ 54,659	\$ -	\$ 54,659
8200.169	Mud Brine:		\$ 21,599	\$ -	\$ 21,599
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,801	\$ -	\$ 29,801
8200.164	Solids Control/Closed Loop:		\$ 65,683	\$ -	\$ 65,683
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 70,058	\$ -	\$ 70,058
8200.146	Mancamp:		\$ 43,223	\$ -	\$ 43,223
8200.137	Casing Services:		\$ 32,795	\$ -	\$ 32,795
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 28,773	\$ -	\$ 28,773
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 210,711	\$ -	\$ 210,711
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,209	\$ -	\$ 5,209
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,294	\$ -	\$ 2,294
8200.147	Drilling Overhead:		\$ 4,646	\$ -	\$ 4,646
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 133,628	\$ -	\$ 133,628

AFE # NM0060 - Sandra Jean 23 Fed Com #501H

Intangible Completion			\$	-	\$ 3,561,509	\$ 3,561,509
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,184	\$ 80,184
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 12,433	\$ 12,433
8300.225	Contingency:		\$	-	\$ 169,596	\$ 169,596
TOTAL INTANGIBLE COSTS >>>			\$	2,798,687	\$ 3,561,509	\$ 6,360,195

TOTAL D&C COSTS >>>			\$	4,461,188	\$ 3,847,964	\$ 8,309,152
				Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0061

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #502H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 792 FEL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 1254 FEL

Projected MD/TVD: 15673' / 10400'
Spud to TD: 14.7 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #502H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 15673' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category and Amount. Rows include DRILLING (\$4,461,188), COMPLETIONS (\$3,847,964), and COMPLETED WELL COST (\$8,309,152).

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 # NM0061 - Sandra Jean 23 Fed Com #502H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,662,501	\$ -	\$ 1,662,501
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 607,850	\$ -	\$ 607,850
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 286,456	\$ 286,456
8400.308	Tubing:		\$ -	\$ 152,471	\$ 152,471
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,662,501	\$ 286,456	\$ 1,948,957

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,798,687	\$ -	\$ 2,798,687
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 759,325	\$ -	\$ 759,325
8200.104	Fuel/Power:		\$ 255,786	\$ -	\$ 255,786
8200.116	Bits & BHA:		\$ 102,621	\$ -	\$ 102,621
8200.128	Directional:		\$ 224,887	\$ -	\$ 224,887
8200.117	Mud & Chemicals:		\$ 130,430	\$ -	\$ 130,430
8200.115	Mud - Drill Water:		\$ 54,659	\$ -	\$ 54,659
8200.169	Mud Brine:		\$ 21,599	\$ -	\$ 21,599
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,801	\$ -	\$ 29,801
8200.164	Solids Control/Closed Loop:		\$ 65,683	\$ -	\$ 65,683
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 70,058	\$ -	\$ 70,058
8200.146	Mancamp:		\$ 43,223	\$ -	\$ 43,223
8200.137	Casing Services:		\$ 32,795	\$ -	\$ 32,795
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 28,773	\$ -	\$ 28,773
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 210,711	\$ -	\$ 210,711
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,209	\$ -	\$ 5,209
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,294	\$ -	\$ 2,294
8200.147	Drilling Overhead:		\$ 4,646	\$ -	\$ 4,646
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 133,628	\$ -	\$ 133,628

AFE # NM0061 - Sandra Jean 23 Fed Com #502H

Intangible Completion			\$	-	\$ 3,561,509	\$ 3,561,509
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,184	\$ 80,184
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 12,433	\$ 12,433
8300.225	Contingency:		\$	-	\$ 169,596	\$ 169,596
TOTAL INTANGIBLE COSTS >>>			\$	2,798,687	\$ 3,561,509	\$ 6,360,195

TOTAL D&C COSTS >>>	\$ 4,461,188	\$ 3,847,964	\$ 8,309,152
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0062

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #503H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 2077 FEL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 2178 FEL

Projected MD/TVD: 15673' / 10400'
Spud to TD: 14.7 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #503H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 15673' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,461,188, \$3,847,964, \$8,309,152). Includes a TOTAL header.

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 # NM0062 - Sandra Jean 23 Fed Com #503H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,662,501	\$ -	\$ 1,662,501
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 607,850	\$ -	\$ 607,850
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 286,456	\$ 286,456
8400.308	Tubing:		\$ -	\$ 152,471	\$ 152,471
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,662,501	\$ 286,456	\$ 1,948,957

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,798,687	\$ -	\$ 2,798,687
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 759,325	\$ -	\$ 759,325
8200.104	Fuel/Power:		\$ 255,786	\$ -	\$ 255,786
8200.116	Bits & BHA:		\$ 102,621	\$ -	\$ 102,621
8200.128	Directional:		\$ 224,887	\$ -	\$ 224,887
8200.117	Mud & Chemicals:		\$ 130,430	\$ -	\$ 130,430
8200.115	Mud - Drill Water:		\$ 54,659	\$ -	\$ 54,659
8200.169	Mud Brine:		\$ 21,599	\$ -	\$ 21,599
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,801	\$ -	\$ 29,801
8200.164	Solids Control/Closed Loop:		\$ 65,683	\$ -	\$ 65,683
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 70,058	\$ -	\$ 70,058
8200.146	Mancamp:		\$ 43,223	\$ -	\$ 43,223
8200.137	Casing Services:		\$ 32,795	\$ -	\$ 32,795
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 28,773	\$ -	\$ 28,773
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 210,711	\$ -	\$ 210,711
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,209	\$ -	\$ 5,209
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,294	\$ -	\$ 2,294
8200.147	Drilling Overhead:		\$ 4,646	\$ -	\$ 4,646
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 133,628	\$ -	\$ 133,628

AFE # NM0062 - Sandra Jean 23 Fed Com #503H

Intangible Completion			\$	-	\$ 3,561,509	\$ 3,561,509
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,184	\$ 80,184
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 12,433	\$ 12,433
8300.225	Contingency:		\$	-	\$ 169,596	\$ 169,596
TOTAL INTANGIBLE COSTS >>>			\$	2,798,687	\$ 3,561,509	\$ 6,360,195

TOTAL D&C COSTS >>>			\$	4,461,188	\$ 3,847,964	\$ 8,309,152
				Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0063

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #504H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 1848 FWL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 2178 FWL

Projected MD/TVD: 15673' / 10400'
Spud to TD: 14.7 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #504H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 15673' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,461,188, \$3,847,964, \$8,309,152). Includes a TOTAL header.

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 # NM0063 - Sandra Jean 23 Fed Com #504H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,662,501	\$ -	\$ 1,662,501
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 607,850	\$ -	\$ 607,850
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 286,456	\$ 286,456
8400.308	Tubing:		\$ -	\$ 152,471	\$ 152,471
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,662,501	\$ 286,456	\$ 1,948,957

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,798,687	\$ -	\$ 2,798,687
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 759,325	\$ -	\$ 759,325
8200.104	Fuel/Power:		\$ 255,786	\$ -	\$ 255,786
8200.116	Bits & BHA:		\$ 102,621	\$ -	\$ 102,621
8200.128	Directional:		\$ 224,887	\$ -	\$ 224,887
8200.117	Mud & Chemicals:		\$ 130,430	\$ -	\$ 130,430
8200.115	Mud - Drill Water:		\$ 54,659	\$ -	\$ 54,659
8200.169	Mud Brine:		\$ 21,599	\$ -	\$ 21,599
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,801	\$ -	\$ 29,801
8200.164	Solids Control/Closed Loop:		\$ 65,683	\$ -	\$ 65,683
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 70,058	\$ -	\$ 70,058
8200.146	Mancamp:		\$ 43,223	\$ -	\$ 43,223
8200.137	Casing Services:		\$ 32,795	\$ -	\$ 32,795
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 28,773	\$ -	\$ 28,773
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 210,711	\$ -	\$ 210,711
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,209	\$ -	\$ 5,209
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,294	\$ -	\$ 2,294
8200.147	Drilling Overhead:		\$ 4,646	\$ -	\$ 4,646
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 133,628	\$ -	\$ 133,628

AFE # NM0063 - Sandra Jean 23 Fed Com #504H

Intangible Completion			\$	-	\$ 3,561,509	\$ 3,561,509
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,184	\$ 80,184
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 12,433	\$ 12,433
8300.225	Contingency:		\$	-	\$ 169,596	\$ 169,596
TOTAL INTANGIBLE COSTS >>>			\$	2,798,687	\$ 3,561,509	\$ 6,360,195

TOTAL D&C COSTS >>>	\$ 4,461,188	\$ 3,847,964	\$ 8,309,152
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0064

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #505H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 1788 FWL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 1254 FWL

Projected MD/TVD: 15673' / 10400'
Spud to TD: 14.7 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #505H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 15673' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category and Amount. Rows include DRILLING (\$4,461,188), COMPLETIONS (\$3,847,964), and COMPLETED WELL COST (\$8,309,152).

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 # NM0064 - Sandra Jean 23 Fed Com #505H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,662,501	\$ -	\$ 1,662,501
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 607,850	\$ -	\$ 607,850
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 286,456	\$ 286,456
8400.308	Tubing:		\$ -	\$ 152,471	\$ 152,471
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,662,501	\$ 286,456	\$ 1,948,957

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,798,687	\$ -	\$ 2,798,687
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 759,325	\$ -	\$ 759,325
8200.104	Fuel/Power:		\$ 255,786	\$ -	\$ 255,786
8200.116	Bits & BHA:		\$ 102,621	\$ -	\$ 102,621
8200.128	Directional:		\$ 224,887	\$ -	\$ 224,887
8200.117	Mud & Chemicals:		\$ 130,430	\$ -	\$ 130,430
8200.115	Mud - Drill Water:		\$ 54,659	\$ -	\$ 54,659
8200.169	Mud Brine:		\$ 21,599	\$ -	\$ 21,599
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,801	\$ -	\$ 29,801
8200.164	Solids Control/Closed Loop:		\$ 65,683	\$ -	\$ 65,683
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 70,058	\$ -	\$ 70,058
8200.146	Mancamp:		\$ 43,223	\$ -	\$ 43,223
8200.137	Casing Services:		\$ 32,795	\$ -	\$ 32,795
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 28,773	\$ -	\$ 28,773
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 210,711	\$ -	\$ 210,711
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,209	\$ -	\$ 5,209
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,294	\$ -	\$ 2,294
8200.147	Drilling Overhead:		\$ 4,646	\$ -	\$ 4,646
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 133,628	\$ -	\$ 133,628

AFE # NM0064 - Sandra Jean 23 Fed Com #505H

Intangible Completion			\$	-	\$ 3,561,509	\$ 3,561,509
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,184	\$ 80,184
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 12,433	\$ 12,433
8300.225	Contingency:		\$	-	\$ 169,596	\$ 169,596
TOTAL INTANGIBLE COSTS >>>			\$	2,798,687	\$ 3,561,509	\$ 6,360,195

TOTAL D&C COSTS >>>	\$ 4,461,188	\$ 3,847,964	\$ 8,309,152
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0065

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #506H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 1147 FWL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 330 FWL

Projected MD/TVD: 15673' / 10400'
Spud to TD: 14.7 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #506H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 15673' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,461,188, \$3,847,964, \$8,309,152). Includes a TOTAL header.

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 # NM0065 - Sandra Jean 23 Fed Com #506H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,662,501	\$ -	\$ 1,662,501
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 607,850	\$ -	\$ 607,850
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 286,456	\$ 286,456
8400.308	Tubing:		\$ -	\$ 152,471	\$ 152,471
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,662,501	\$ 286,456	\$ 1,948,957

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,798,687	\$ -	\$ 2,798,687
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 759,325	\$ -	\$ 759,325
8200.104	Fuel/Power:		\$ 255,786	\$ -	\$ 255,786
8200.116	Bits & BHA:		\$ 102,621	\$ -	\$ 102,621
8200.128	Directional:		\$ 224,887	\$ -	\$ 224,887
8200.117	Mud & Chemicals:		\$ 130,430	\$ -	\$ 130,430
8200.115	Mud - Drill Water:		\$ 54,659	\$ -	\$ 54,659
8200.169	Mud Brine:		\$ 21,599	\$ -	\$ 21,599
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 29,801	\$ -	\$ 29,801
8200.164	Solids Control/Closed Loop:		\$ 65,683	\$ -	\$ 65,683
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 70,058	\$ -	\$ 70,058
8200.146	Mancamp:		\$ 43,223	\$ -	\$ 43,223
8200.137	Casing Services:		\$ 32,795	\$ -	\$ 32,795
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 28,773	\$ -	\$ 28,773
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 210,711	\$ -	\$ 210,711
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,209	\$ -	\$ 5,209
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,294	\$ -	\$ 2,294
8200.147	Drilling Overhead:		\$ 4,646	\$ -	\$ 4,646
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 133,628	\$ -	\$ 133,628

AFE # NM0065 - Sandra Jean 23 Fed Com #506H

Intangible Completion			\$	-	\$ 3,561,509	\$ 3,561,509
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,184	\$ 80,184
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 12,433	\$ 12,433
8300.225	Contingency:		\$	-	\$ 169,596	\$ 169,596
TOTAL INTANGIBLE COSTS >>>			\$	2,798,687	\$ 3,561,509	\$ 6,360,195

TOTAL D&C COSTS >>>	\$ 4,461,188	\$ 3,847,964	\$ 8,309,152
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0066

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #601H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 712 FEL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 330 FEL

Projected MD/TVD: 16623' / 11350'
Spud to TD: 15.3 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #601H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 16623' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,561,296, \$3,863,625, \$8,424,921). Includes a TOTAL header.

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 # NM0066 - Sandra Jean 23 Fed Com #601H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,699,154	\$ -	\$ 1,699,154
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 644,503	\$ -	\$ 644,503
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 300,487	\$ 300,487
8400.308	Tubing:		\$ -	\$ 166,502	\$ 166,502
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,699,154	\$ 300,487	\$ 1,999,641

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,862,142	\$ -	\$ 2,862,142
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 786,955	\$ -	\$ 786,955
8200.104	Fuel/Power:		\$ 264,249	\$ -	\$ 264,249
8200.116	Bits & BHA:		\$ 103,256	\$ -	\$ 103,256
8200.128	Directional:		\$ 230,388	\$ -	\$ 230,388
8200.117	Mud & Chemicals:		\$ 131,594	\$ -	\$ 131,594
8200.115	Mud - Drill Water:		\$ 55,495	\$ -	\$ 55,495
8200.169	Mud Brine:		\$ 22,513	\$ -	\$ 22,513
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 30,224	\$ -	\$ 30,224
8200.164	Solids Control/Closed Loop:		\$ 67,806	\$ -	\$ 67,806
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 72,034	\$ -	\$ 72,034
8200.146	Mancamp:		\$ 44,013	\$ -	\$ 44,013
8200.137	Casing Services:		\$ 32,970	\$ -	\$ 32,970
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 29,775	\$ -	\$ 29,775
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 219,173	\$ -	\$ 219,173
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,308	\$ -	\$ 5,308
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,365	\$ -	\$ 2,365
8200.147	Drilling Overhead:		\$ 4,818	\$ -	\$ 4,818
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 136,650	\$ -	\$ 136,650

AFE # NM0066 - Sandra Jean 23 Fed Com #601H

Intangible Completion			\$	-	\$ 3,563,138	\$ 3,563,138
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,785	\$ 80,785
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 13,383	\$ 13,383
8300.225	Contingency:		\$	-	\$ 169,673	\$ 169,673
TOTAL INTANGIBLE COSTS >>>			\$	2,862,142	\$ 3,563,138	\$ 6,425,280

TOTAL D&C COSTS >>>	\$ 4,561,296	\$ 3,863,625	\$ 8,424,921
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0067

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #602H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 812 FEL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 1254 FEL

Projected MD/TVD: 16623' / 11350'
Spud to TD: 15.3 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #602H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 16623' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,561,296, \$3,863,625, \$8,424,921). Includes a TOTAL header.

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 # NM0067 - Sandra Jean 23 Fed Com #602H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,699,154	\$ -	\$ 1,699,154
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 644,503	\$ -	\$ 644,503
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 300,487	\$ 300,487
8400.308	Tubing:		\$ -	\$ 166,502	\$ 166,502
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,699,154	\$ 300,487	\$ 1,999,641

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,862,142	\$ -	\$ 2,862,142
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 786,955	\$ -	\$ 786,955
8200.104	Fuel/Power:		\$ 264,249	\$ -	\$ 264,249
8200.116	Bits & BHA:		\$ 103,256	\$ -	\$ 103,256
8200.128	Directional:		\$ 230,388	\$ -	\$ 230,388
8200.117	Mud & Chemicals:		\$ 131,594	\$ -	\$ 131,594
8200.115	Mud - Drill Water:		\$ 55,495	\$ -	\$ 55,495
8200.169	Mud Brine:		\$ 22,513	\$ -	\$ 22,513
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 30,224	\$ -	\$ 30,224
8200.164	Solids Control/Closed Loop:		\$ 67,806	\$ -	\$ 67,806
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 72,034	\$ -	\$ 72,034
8200.146	Mancamp:		\$ 44,013	\$ -	\$ 44,013
8200.137	Casing Services:		\$ 32,970	\$ -	\$ 32,970
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 29,775	\$ -	\$ 29,775
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 219,173	\$ -	\$ 219,173
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,308	\$ -	\$ 5,308
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,365	\$ -	\$ 2,365
8200.147	Drilling Overhead:		\$ 4,818	\$ -	\$ 4,818
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 136,650	\$ -	\$ 136,650

AFE # NM0067 - Sandra Jean 23 Fed Com #602H

Intangible Completion			\$	-	\$ 3,563,138	\$ 3,563,138
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,785	\$ 80,785
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 13,383	\$ 13,383
8300.225	Contingency:		\$	-	\$ 169,673	\$ 169,673
TOTAL INTANGIBLE COSTS >>>			\$	2,862,142	\$ 3,563,138	\$ 6,425,280

TOTAL D&C COSTS >>>	\$ 4,561,296	\$ 3,863,625	\$ 8,424,921
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0068

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #603H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 2057 FEL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 2178 FEL

Projected MD/TVD: 16623' / 11350'
Spud to TD: 15.3 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #603H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 16623' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,561,296, \$3,863,625, \$8,424,921). Includes a TOTAL header.

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 # NM0068 - Sandra Jean 23 Fed Com #603H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,699,154	\$ -	\$ 1,699,154
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 644,503	\$ -	\$ 644,503
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 300,487	\$ 300,487
8400.308	Tubing:		\$ -	\$ 166,502	\$ 166,502
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,699,154	\$ 300,487	\$ 1,999,641

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,862,142	\$ -	\$ 2,862,142
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 786,955	\$ -	\$ 786,955
8200.104	Fuel/Power:		\$ 264,249	\$ -	\$ 264,249
8200.116	Bits & BHA:		\$ 103,256	\$ -	\$ 103,256
8200.128	Directional:		\$ 230,388	\$ -	\$ 230,388
8200.117	Mud & Chemicals:		\$ 131,594	\$ -	\$ 131,594
8200.115	Mud - Drill Water:		\$ 55,495	\$ -	\$ 55,495
8200.169	Mud Brine:		\$ 22,513	\$ -	\$ 22,513
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 30,224	\$ -	\$ 30,224
8200.164	Solids Control/Closed Loop:		\$ 67,806	\$ -	\$ 67,806
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 72,034	\$ -	\$ 72,034
8200.146	Mancamp:		\$ 44,013	\$ -	\$ 44,013
8200.137	Casing Services:		\$ 32,970	\$ -	\$ 32,970
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 29,775	\$ -	\$ 29,775
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 219,173	\$ -	\$ 219,173
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,308	\$ -	\$ 5,308
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,365	\$ -	\$ 2,365
8200.147	Drilling Overhead:		\$ 4,818	\$ -	\$ 4,818
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 136,650	\$ -	\$ 136,650

AFE # NM0068 - Sandra Jean 23 Fed Com #603H

Intangible Completion			\$	-	\$ 3,563,138	\$ 3,563,138
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,785	\$ 80,785
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 13,383	\$ 13,383
8300.225	Contingency:		\$	-	\$ 169,673	\$ 169,673
TOTAL INTANGIBLE COSTS >>>			\$	2,862,142	\$ 3,563,138	\$ 6,425,280

TOTAL D&C COSTS >>>	\$ 4,561,296	\$ 3,863,625	\$ 8,424,921
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0069

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #604H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 1868 FWL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 2178 FWL

Projected MD/TVD: 16623' / 11350'
Spud to TD: 15.3 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #604H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 16623' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,561,296, \$3,863,625, \$8,424,921). Includes a TOTAL header.

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 # NM0069 - Sandra Jean 23 Fed Com #604H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,699,154	\$ -	\$ 1,699,154
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 644,503	\$ -	\$ 644,503
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 300,487	\$ 300,487
8400.308	Tubing:		\$ -	\$ 166,502	\$ 166,502
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,699,154	\$ 300,487	\$ 1,999,641

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,862,142	\$ -	\$ 2,862,142
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 786,955	\$ -	\$ 786,955
8200.104	Fuel/Power:		\$ 264,249	\$ -	\$ 264,249
8200.116	Bits & BHA:		\$ 103,256	\$ -	\$ 103,256
8200.128	Directional:		\$ 230,388	\$ -	\$ 230,388
8200.117	Mud & Chemicals:		\$ 131,594	\$ -	\$ 131,594
8200.115	Mud - Drill Water:		\$ 55,495	\$ -	\$ 55,495
8200.169	Mud Brine:		\$ 22,513	\$ -	\$ 22,513
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 30,224	\$ -	\$ 30,224
8200.164	Solids Control/Closed Loop:		\$ 67,806	\$ -	\$ 67,806
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 72,034	\$ -	\$ 72,034
8200.146	Mancamp:		\$ 44,013	\$ -	\$ 44,013
8200.137	Casing Services:		\$ 32,970	\$ -	\$ 32,970
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 29,775	\$ -	\$ 29,775
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 219,173	\$ -	\$ 219,173
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,308	\$ -	\$ 5,308
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,365	\$ -	\$ 2,365
8200.147	Drilling Overhead:		\$ 4,818	\$ -	\$ 4,818
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 136,650	\$ -	\$ 136,650

AFE # NM0069 - Sandra Jean 23 Fed Com #604H

Intangible Completion			\$	-	\$ 3,563,138	\$ 3,563,138
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,785	\$ 80,785
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 13,383	\$ 13,383
8300.225	Contingency:		\$	-	\$ 169,673	\$ 169,673
TOTAL INTANGIBLE COSTS >>>			\$	2,862,142	\$ 3,563,138	\$ 6,425,280

TOTAL D&C COSTS >>>	\$ 4,561,296	\$ 3,863,625	\$ 8,424,921
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0070

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #605H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 1768 FWL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 1254 FWL

Projected MD/TVD: 16623' / 11350'
Spud to TD: 15.3 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #605H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 16623' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category (DRILLING, COMPLETIONS, COMPLETED WELL COST) and Amount (\$4,561,296, \$3,863,625, \$8,424,921). Includes a TOTAL header.

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 # NM0070 - Sandra Jean 23 Fed Com #605H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,699,154	\$ -	\$ 1,699,154
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 644,503	\$ -	\$ 644,503
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 300,487	\$ 300,487
8400.308	Tubing:		\$ -	\$ 166,502	\$ 166,502
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,699,154	\$ 300,487	\$ 1,999,641

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,862,142	\$ -	\$ 2,862,142
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 786,955	\$ -	\$ 786,955
8200.104	Fuel/Power:		\$ 264,249	\$ -	\$ 264,249
8200.116	Bits & BHA:		\$ 103,256	\$ -	\$ 103,256
8200.128	Directional:		\$ 230,388	\$ -	\$ 230,388
8200.117	Mud & Chemicals:		\$ 131,594	\$ -	\$ 131,594
8200.115	Mud - Drill Water:		\$ 55,495	\$ -	\$ 55,495
8200.169	Mud Brine:		\$ 22,513	\$ -	\$ 22,513
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 30,224	\$ -	\$ 30,224
8200.164	Solids Control/Closed Loop:		\$ 67,806	\$ -	\$ 67,806
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 72,034	\$ -	\$ 72,034
8200.146	Mancamp:		\$ 44,013	\$ -	\$ 44,013
8200.137	Casing Services:		\$ 32,970	\$ -	\$ 32,970
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 29,775	\$ -	\$ 29,775
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 219,173	\$ -	\$ 219,173
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,308	\$ -	\$ 5,308
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,365	\$ -	\$ 2,365
8200.147	Drilling Overhead:		\$ 4,818	\$ -	\$ 4,818
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 136,650	\$ -	\$ 136,650

AFE # NM0070 - Sandra Jean 23 Fed Com #605H

Intangible Completion			\$	-	\$ 3,563,138	\$ 3,563,138
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,785	\$ 80,785
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 13,383	\$ 13,383
8300.225	Contingency:		\$	-	\$ 169,673	\$ 169,673
TOTAL INTANGIBLE COSTS >>>			\$	2,862,142	\$ 3,563,138	\$ 6,425,280

TOTAL D&C COSTS >>>	\$ 4,561,296	\$ 3,863,625	\$ 8,424,921
	Drilling	Completion	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: _____

By: _____



Authority for Expenditure

AFE: NM0071

Date: March 7, 2023

Well Name: Sandra Jean 23 Fed Com #606H
Target: Bone Springs
County: Lea
State: NM
SHL: Sec: 23, T-20S, R-33E; 200 FSL, 1127 FWL
BHL: Sec: 23, T-20S, R-33E; 100 FNL, 330 FWL

Projected MD/TVD: 16623' / 11350'
Spud to TD: 15.3 days
Lateral Length: 5000'
Stages: 32
Total Proppant (ppf): 2,500
Total Fluid (gal/ft): 3,000

PROJECT DESCRIPTION:

The proposed AFE is for the Sandra Jean 23 Fed Com #606H, a 1 section Bone Springs horizontal well to be drilled in Lea County, NM. The well is a 4 string casing design consisting of the following: 24" surface hole drilled on Fresh to 1300' and 20" 94# J-55 BTC casing will be set and cemented in place; 17.5" hole will then be drilled on Brine to 3000' and a string of 13.375" 54.5# J-55 BTC casing will be set and cemented in place; 12.25" hole will then be drilled on Fresh to 5300' 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 16623' and a string of 5.5" 20# P-110 HC GBCD casing will be set and cemented in place. There will be 5000' of treatable lateral and the completions design will consist of +/-32 stages at 2500 lbs/ft & 3000 gals/ft. AFE includes associated costs for initial gas lift installation.

Table with 2 columns: Category and Amount. Rows include DRILLING (\$4,561,296), COMPLETIONS (\$3,863,625), and COMPLETED WELL COST (\$8,424,921).

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 # NM0071 - Sandra Jean 23 Fed Com #606H

TANGIBLE COSTS			Drilling	Completion	Total
Tangible Drilling			\$ 1,699,154	\$ -	\$ 1,699,154
8400.301	Surface Casing:		\$ 166,556	\$ -	\$ 166,556
8400.302	Intermediate1 Casing:		\$ 229,146	\$ -	\$ 229,146
8400.302	Intermediate2 Casing:		\$ 604,135	\$ -	\$ 604,135
8400.303	Production Casing:		\$ 644,503	\$ -	\$ 644,503
8400.340	Wellhead Equipment:		\$ 54,814	\$ -	\$ 54,814
			\$ -	\$ -	\$ -
Tangible Completion			\$ -	\$ 300,487	\$ 300,487
8400.308	Tubing:		\$ -	\$ 166,502	\$ 166,502
8400.340	Wellhead Equip:		\$ -	\$ 92,840	\$ 92,840
8400.312	Artificial Lift: Gas Lift		\$ -	\$ 41,145	\$ 41,145
			\$ -	\$ -	\$ -
TOTAL TANGIBLE COSTS >>>			\$ 1,699,154	\$ 300,487	\$ 1,999,641

INTANGIBLE COSTS			Drilling	Completion	Total
Intangible Drilling			\$ 2,862,142	\$ -	\$ 2,862,142
8200.111	Survey, Stake/Permit:		\$ 2,110	\$ -	\$ 2,110
8200.113	Damages/ROW:		\$ 10,550	\$ -	\$ 10,550
8200.149	Legal, Title, Etc.		\$ 5,275	\$ -	\$ 5,275
8200.152	Well Control Insurance:		\$ 7,913	\$ -	\$ 7,913
8200.112	Location:		\$ 101,293	\$ -	\$ 101,293
8200.103	Rig Move:		\$ 141,822	\$ -	\$ 141,822
8200.102	Drilling Daywork:		\$ 786,955	\$ -	\$ 786,955
8200.104	Fuel/Power:		\$ 264,249	\$ -	\$ 264,249
8200.116	Bits & BHA:		\$ 103,256	\$ -	\$ 103,256
8200.128	Directional:		\$ 230,388	\$ -	\$ 230,388
8200.117	Mud & Chemicals:		\$ 131,594	\$ -	\$ 131,594
8200.115	Mud - Drill Water:		\$ 55,495	\$ -	\$ 55,495
8200.169	Mud Brine:		\$ 22,513	\$ -	\$ 22,513
8200.170	Mud - Diesel:		\$ 31,650	\$ -	\$ 31,650
8200.119	Mud - Auxiliary:		\$ 30,224	\$ -	\$ 30,224
8200.164	Solids Control/Closed Loop:		\$ 67,806	\$ -	\$ 67,806
8200.158	Disposal:		\$ 52,750	\$ -	\$ 52,750
8200.124	Equipment Rental:		\$ 72,034	\$ -	\$ 72,034
8200.146	Mancamp:		\$ 44,013	\$ -	\$ 44,013
8200.137	Casing Services:		\$ 32,970	\$ -	\$ 32,970
8200.138	Cementing:		\$ 221,550	\$ -	\$ 221,550
8200.106	Transportation:		\$ 29,775	\$ -	\$ 29,775
8200.125	Inspection/Testing:		\$ 17,935	\$ -	\$ 17,935
8200.144	Company Supervision:		\$ 2,400	\$ -	\$ 2,400
8200.107	Consulting Services:		\$ 219,173	\$ -	\$ 219,173
8200.127	Contract Labor:		\$ 27,310	\$ -	\$ 27,310
8200.168	Roustabout Services:		\$ -	\$ -	\$ -
8200.136	Mudlogging:		\$ -	\$ -	\$ -
8200.143	Geo-Steering:		\$ 5,308	\$ -	\$ 5,308
8200.134	Open Hole Logging:		\$ -	\$ -	\$ -
8200.135	Coring & Analysis:		\$ -	\$ -	\$ -
8200.165	Safety & Environmental:		\$ 2,365	\$ -	\$ 2,365
8200.147	Drilling Overhead:		\$ 4,818	\$ -	\$ 4,818
8200.148	Miscellaneous:		\$ -	\$ -	\$ -
8200.153	Contingency:		\$ 136,650	\$ -	\$ 136,650

AFE # NM0071 - Sandra Jean 23 Fed Com #606H

Intangible Completion			\$	-	\$ 3,563,138	\$ 3,563,138
8300.205	Location & Roads:		\$	-	\$ 5,300	\$ 5,300
8300.216	Cased Hole Logs & Surveys		\$	-	\$ -	\$ -
8300.243	Analysis		\$	-	\$ 8,862	\$ 8,862
8300.270	Stimulation:		\$	-	\$ 1,269,629	\$ 1,269,629
8300.275	Proppant:		\$	-	\$ 489,402	\$ 489,402
8300.207	Water:		\$	-	\$ 182,959	\$ 182,959
8300.274	Water Transfer:		\$	-	\$ 48,774	\$ 48,774
8300.266	Chemicals:		\$	-	\$ 212,101	\$ 212,101
8300.209	Pump Down Services:		\$	-	\$ 36,925	\$ 36,925
8300.214	Wireline/Perforating:		\$	-	\$ 205,488	\$ 205,488
8300.203	Fuel, Power:		\$	-	\$ 336,988	\$ 336,988
8300.210	Rental Equipment (Surface):		\$	-	\$ 248,600	\$ 248,600
8300.277	Mancamp:		\$	-	\$ 20,546	\$ 20,546
8300.250	Rental Equipment (Downhole):		\$	-	\$ 37,985	\$ 37,985
8300.232	Disposal:		\$	-	\$ 28,738	\$ 28,738
8300.276	Safety & Environmental:		\$	-	\$ 6,409	\$ 6,409
8300.277	Consulting Services:		\$	-	\$ 79,916	\$ 79,916
8300.212	Contract Labor:		\$	-	\$ 18,114	\$ 18,114
8300.278	Roustabout Services:		\$	-	\$ 1,583	\$ 1,583
8300.220	Company Supervision:		\$	-	\$ 5,064	\$ 5,064
8300.230	Completions Rig:		\$	-	\$ 15,825	\$ 15,825
8300.271	Coil Tubing Unit		\$	-	\$ 80,785	\$ 80,785
8300.273	Flowback:		\$	-	\$ 40,088	\$ 40,088
8300.229	Transportation:		\$	-	\$ 13,383	\$ 13,383
8300.225	Contingency:		\$	-	\$ 169,673	\$ 169,673
TOTAL INTANGIBLE COSTS >>>			\$	2,862,142	\$ 3,563,138	\$ 6,425,280

TOTAL D&C COSTS >>>	\$ 4,561,296	\$ 3,863,625	\$ 8,424,921
	Drilling	Completion	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: _____

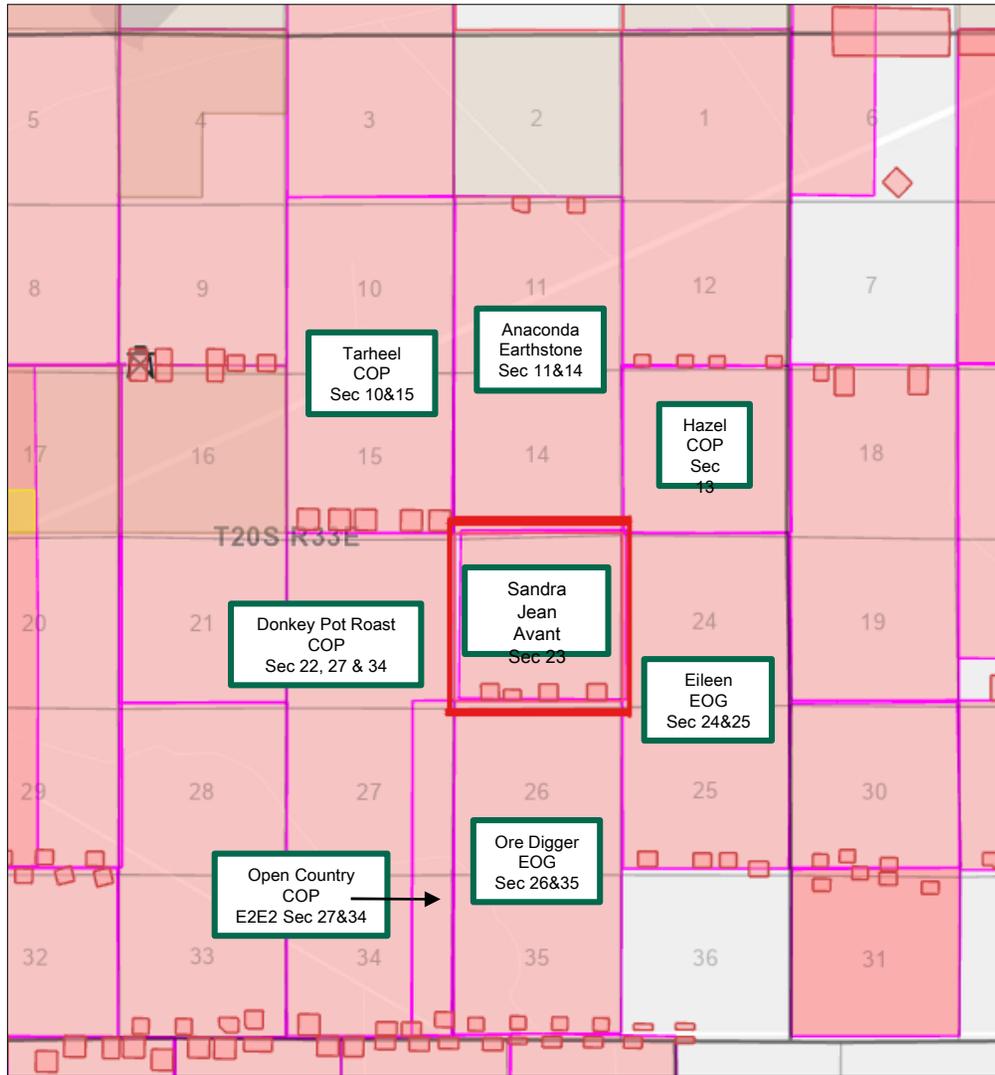
By: _____

BLM Development Areas & Drill Islands
Sandra Jean 23 Federal Com
#301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC
Case Nos. 23678



ALL of Sections 23, Township 20 South, Range 33 East, N.M.P.M., Lea County, New Mexico
Surrounding Development Areas:



- BLM Approved Development Area's
- BLM Approved Drill Islands



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

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

CASE NO. 23677

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

CASE NO. 23678

SELF-AFFIRMED DECLARATION OF DEANA M. BENNETT

Deana M. Bennett, attorney in fact and authorized representative of Avant Operating, LLC, the Applicant herein, declares as follows:

1) The above-referenced Application was provided under notice letter, dated July 13, 2023, notice letter dated August 18, 2023 to additional names, and notice letter dated August 23, 2023 sent to additional names, all attached hereto, as Exhibit A.

2) Exhibit B is the mailing list, which show the notice letters were delivered to the USPS for mailing on July 13, 2023, and mailing list for additional names delivered to the USPS for mailing on August 18, 2023 and August 23, 2023.

3) Exhibit C is the certified mailing tracking information, which is automatically compiled by CertifiedPro, the software Modrall uses to track the mailings. This spreadsheet shows the names and addresses of the parties to whom notice was sent and the status of the mailing.

4) Exhibit D is the Affidavit of Publication from the Hobbs News-Sun, confirming that notice of the August 3, 2023 hearing was published on July 19, 2023, and the Affidavit of Publication with additional names confirming that notice of the September 7, 2023 hearing was published on August 22, 2023, and another Affidavit of Publication with additional names was published August 29, 2023.

Exhibit B-8

5) I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.

Dated: September 28, 2023

A handwritten signature in blue ink that reads "Deana M. Bennett". The signature is written in a cursive style.

Deana M. Bennett



MODRALL SPERLING

LAWYERS

July 13, 2023

Deana M. Bennett
505.848.1834
dmb@modrall.com

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: APPLICATION OF AVANT OPERATING, LLC FOR APPROVAL OF NON-STANDARD UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23677

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

CASE NO. 23678

TO: AFFECTED PARTIES

This letter is to advise you that Avant Operating, LLC (“Avant”) has filed the enclosed applications.

In Case No. 23677, Avant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; Sandra Jean 23 Fed Com #753H; Sandra Jean 23 Fed Com #754H; and the Sandra Jean 23 Fed Com #755H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

In Case No. 23678, Avant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit

Modrall Spierling
Roehl Harris & Sisk P.A.
500 Fourth Street NW
Suite 1000
Albuquerque,
New Mexico 87102

PO Box 2168
Albuquerque,
New Mexico 87103-2168

Tel: 505.848.1800
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comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

The hearing will be conducted remotely on August 3, 2023 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/>.

As a party who may be affected by these applications, we are notifying you of your right to appear at the hearing and participate in these cases, including the right to present evidence either in support of or in opposition to the applications. Failure to appear at the hearing may preclude you from any involvement in these cases at a later date.

You are further notified that if you desire to appear in these cases, then you are requested to file a Pre-Hearing Statement with the Division at least four business days in advance of a scheduled hearing before the Division or the Commission, but in no event later than 5:00 p.m. mountain time, on the Thursday preceding the scheduled hearing date, with a copy delivered to the undersigned.

Sincerely,



Deana M. Bennett

Attorney for Applicant

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

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

CASE NO. 23677

APPLICATION

Avant Operating, LLC (“Avant”), OGRID Number 330396, through its undersigned attorneys, hereby files this application with the Oil Conservation Division (“Division”) pursuant to the provisions of NMSA 1978, § 70-2-17 and Rule 19.15.16.15(B)(5) NMAC, for an order (1) approving a non-standard spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. In support of this application, Avant states as follows:

1. Avant has an interest in the subject lands and has a right to drill and operate a well thereon.
2. Avant seeks to dedicate Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico to form a 640-acre, more or less, Wolfcamp horizontal spacing unit (“Unit”).
3. Avant seeks to dedicate the following proposed wells to the Unit:
 - a. The **Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; and Sandra Jean 23 Fed Com #753H** wells to be drilled in the E/2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico; and

b. The **Sandra Jean 23 Fed Com #754H and the Sandra Jean 23 Fed Com #755H wells** to be drilled in the W2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico.

4. The wells will be drilled to a depth sufficient to test the Wolfcamp formation. The wells will be horizontally drilled, and, if the non-standard unit application is approved the producing areas for all of the wells are expected to be orthodox.

5. The completed interval for the Sandra Jean 23 Fed Com #753 is expected to be less than 330 feet from the adjoining tracts, which will be a standard location if the non-standard unit application is approved.

6. Avant sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Wolfcamp formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

7. The pooling of all interests in the Wolfcamp formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

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

WHEREFORE, Avant requests this application be set for hearing before an Examiner of the Oil Conservation Division on August 3, 2023, and after notice and hearing as required by law, the Division enter its order:

A. Approving a non-standard horizontal spacing unit pursuant to Rule 19.15.16.15(B)(5);

B. Pooling all uncommitted interests in the Unit;

C. Designating Avant as operator of the Unit and the wells to be drilled thereon;

- D. Authorizing Avant to recover its costs of drilling, equipping and completing the wells;
- E. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- F. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: /s/ Deana M. Bennett
Earl E. DeBrine, Jr.
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Attorneys for Avant Operating, LLC

CASE NO. 23677 : Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; Sandra Jean 23 Fed Com #753H; Sandra Jean 23 Fed Com #754H; and the Sandra Jean 23 Fed Com #755H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

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

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

CASE NO. 23678

APPLICATION

Avant Operating, LLC ("Avant"), OGRID Number 330396, through its undersigned attorneys, hereby files this application with the Oil Conservation Division ("Division") pursuant to the provisions of NMSA 1978, § 70-2-17 and Rule 19.15.16.15(B)(5) NMAC, for an order (1) approving a non-standard spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. In support of this application, Avant states as follows:

1. Avant has an interest in the subject lands and has a right to drill and operate a well thereon.
2. Avant seeks to dedicate Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico to form a 640-acre, more or less, Bone Spring horizontal spacing unit ("Unit").
3. Avant seeks to dedicate the following proposed wells to the Unit:
 - a. The **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; and Sandra Jean 23 Fed Com #603H** wells to be drilled in the E/2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico; and

b. The **Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and Sandra Jean 23 Fed Com #606H** wells to be drilled in the W2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico.

4. The wells will be drilled to a depth sufficient to test the Bone Spring formation.

The wells will be horizontally drilled, and, if the non-standard unit application is approved the producing areas for all of the wells are expected to be orthodox.

5. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, and Sandra Jean 23 Fed Com #602H wells, to be drilled in the E/2 of Section 23, are each expected to be less than 330 feet from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

6. The completed intervals for the Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and Sandra Jean 23 Fed Com #605H wells, to be drilled in the W/2 of Section 23, are each expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

7. The completed interval for the Sandra Jean 23 Fed Com #303H well is expected to be less than 330 feet from the adjoining tracts, which will be a standard location if the non-standard unit application is approved.

8. Avant sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Bone Spring formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

9. The pooling of all interests in the Bone Spring formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

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

WHEREFORE, Avant requests this application be set for hearing before an Examiner of the Oil Conservation Division on August 3, 2023, and after notice and hearing as required by law, the Division enter its order:

A. Approving a non-standard horizontal spacing unit pursuant to Rule 19.15.16.15(B)(5);

B. Pooling all uncommitted interests in the Unit;

C. Designating Avant as operator of the Unit and the wells to be drilled thereon;

D. Authorizing Avant to recover its costs of drilling, equipping and completing the wells;

E. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and

F. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: /s/ Deana M. Bennett

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Attorneys for Avant Operating, LLC

CASE NO. 23678 : Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H wells to be horizontally drilled. The producing area for the wells are expected to be orthodox. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.



MODRALL SPERLING

L A W Y E R S

August 18, 2023

Deana M. Bennett
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dmb@modrall.com

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

**Re: APPLICATION OF AVANT OPERATING, LLC FOR
APPROVAL OF NON-STANDARD UNIT AND COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.
CASE NO. 23677**

**APPLICATION OF AVANT OPERATING, LLC FOR
APPROVAL OF NON-STANDARD UNIT AND COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.
CASE NO. 23678**

TO: AFFECTED PARTIES

This letter is to advise you that Avant Operating, LLC (“Avant”) has filed the enclosed applications.

In Case No. 23677, Avant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; Sandra Jean 23 Fed Com #753H; Sandra Jean 23 Fed Com #754H; and the Sandra Jean 23 Fed Com #755H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

In Case No. 23678, Avant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea

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County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H** wells to be horizontally drilled. The producing area for the wells are expected to be orthodox. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

The hearing was originally set for hearing on August 3, 2023, but has been rescheduled and will be conducted on September 7, 2023 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/>.

As a party who may be affected by these applications, we are notifying you of your right to appear at the hearing and participate in these cases, including the right to present evidence either in support of or in opposition to the applications. Failure to appear at the hearing may preclude you from any involvement in these cases at a later date.

You are further notified that if you desire to appear in these cases, then you are requested to file a Pre-Hearing Statement with the Division at least four business days in advance of a scheduled hearing before the Division or the Commission, but in no event later than 5:00 p.m. mountain time, on the Thursday preceding the scheduled hearing date, with a copy delivered to the undersigned.

Sincerely,



Deana M. Bennett
Attorney for Applicant

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

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

CASE NO. 23677

APPLICATION

Avant Operating, LLC (“Avant”), OGRID Number 330396, through its undersigned attorneys, hereby files this application with the Oil Conservation Division (“Division”) pursuant to the provisions of NMSA 1978, § 70-2-17 and Rule 19.15.16.15(B)(5) NMAC, for an order (1) approving a non-standard spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. In support of this application, Avant states as follows:

1. Avant has an interest in the subject lands and has a right to drill and operate a well thereon.
2. Avant seeks to dedicate Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico to form a 640-acre, more or less, Wolfcamp horizontal spacing unit (“Unit”).
3. Avant seeks to dedicate the following proposed wells to the Unit:
 - a. **The Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; and Sandra Jean 23 Fed Com #753H wells** to be drilled in the E/2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico; and

b. The **Sandra Jean 23 Fed Com #754H and the Sandra Jean 23 Fed Com #755H wells** to be drilled in the W2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico.

4. The wells will be drilled to a depth sufficient to test the Wolfcamp formation. The wells will be horizontally drilled, and, if the non-standard unit application is approved the producing areas for all of the wells are expected to be orthodox.

5. The completed interval for the Sandra Jean 23 Fed Com #753 is expected to be less than 330 feet from the adjoining tracts, which will be a standard location if the non-standard unit application is approved.

6. Avant sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Wolfcamp formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

7. The pooling of all interests in the Wolfcamp formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

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

WHEREFORE, Avant requests this application be set for hearing before an Examiner of the Oil Conservation Division on August 3, 2023, and after notice and hearing as required by law, the Division enter its order:

- A. Approving a non-standard horizontal spacing unit pursuant to Rule 19.15.16.15(B)(5);
- B. Pooling all uncommitted interests in the Unit;
- C. Designating Avant as operator of the Unit and the wells to be drilled thereon;

- D. Authorizing Avant to recover its costs of drilling, equipping and completing the wells;
- E. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- F. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: /s/ Deana M. Bennett

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Attorneys for Avant Operating, LLC

CASE NO. 23677 : Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; Sandra Jean 23 Fed Com #753H; Sandra Jean 23 Fed Com #754H; and the Sandra Jean 23 Fed Com #755H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

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

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

CASE NO. 23678

APPLICATION

Avant Operating, LLC (“Avant”), OGRID Number 330396, through its undersigned attorneys, hereby files this application with the Oil Conservation Division (“Division”) pursuant to the provisions of NMSA 1978, § 70-2-17 and Rule 19.15.16.15(B)(5) NMAC, for an order (1) approving a non-standard spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. In support of this application, Avant states as follows:

1. Avant has an interest in the subject lands and has a right to drill and operate a well thereon.
2. Avant seeks to dedicate Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico to form a 640-acre, more or less, Bone Spring horizontal spacing unit (“Unit”).
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- b. The Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and Sandra Jean 23 Fed Com #606H wells to be drilled in the W2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico.

4. The wells will be drilled to a depth sufficient to test the Bone Spring formation. The wells will be horizontally drilled, and, if the non-standard unit application is approved the producing areas for all of the wells are expected to be orthodox.

5. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, and Sandra Jean 23 Fed Com #602H wells, to be drilled in the E/2 of Section 23, are each expected to be less than 330 feet from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

6. The completed intervals for the Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and Sandra Jean 23 Fed Com #605H wells, to be drilled in the W/2 of Section 23, are each expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

7. The completed interval for the Sandra Jean 23 Fed Com #303H well is expected to be less than 330 feet from the adjoining tracts, which will be a standard location if the non-standard unit application is approved.

8. Avant sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Bone Spring formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

9. The pooling of all interests in the Bone Spring formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

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

WHEREFORE, Avant requests this application be set for hearing before an Examiner of the Oil Conservation Division on August 3, 2023, and after notice and hearing as required by law, the Division enter its order:

A. Approving a non-standard horizontal spacing unit pursuant to Rule 19.15.16.15(B)(5);

B. Pooling all uncommitted interests in the Unit;

C. Designating Avant as operator of the Unit and the wells to be drilled thereon;

D. Authorizing Avant to recover its costs of drilling, equipping and completing the wells;

E. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and

F. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: /s/ Deana M. Bennett

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Attorneys for Avant Operating, LLC

CASE NO. 23678 : Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.



MODRALL SPERLING

L A W Y E R S

August 23, 2023

Deana M. Bennett
505.848.1834
dmb@modrall.com

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: APPLICATION OF AVANT OPERATING, LLC FOR APPROVAL OF NON-STANDARD UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23677

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

CASE NO. 23678

TO: AFFECTED PARTIES

This letter is to advise you that Avant Operating, LLC (“Avant”) has filed the enclosed applications. We are providing this letter to you only to provide notice that Avant requests approval of the non-standard unit.

In Case No. 23677, Avant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; Sandra Jean 23 Fed Com #753H; Sandra Jean 23 Fed Com #754H; and the Sandra Jean 23 Fed Com #755H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

In Case No. 23678, Avant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea

Modrall Sperring
Roehl Harris & Sisk P.A.
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Page 2

County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H** wells to be horizontally drilled. The producing area for the wells are expected to be orthodox. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

The hearing was originally set for hearing on August 3, 2023, but has been rescheduled and will be conducted on September 7, 2023 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/>.

As a party who may be affected by these applications, we are notifying you of your right to appear at the hearing and participate in these cases, including the right to present evidence either in support of or in opposition to the applications. Failure to appear at the hearing may preclude you from any involvement in these cases at a later date.

You are further notified that if you desire to appear in these cases, then you are requested to file a Pre-Hearing Statement with the Division at least four business days in advance of a scheduled hearing before the Division or the Commission, but in no event later than 5:00 p.m. mountain time, on the Thursday preceding the scheduled hearing date, with a copy delivered to the undersigned.

Sincerely,



Deana M. Bennett

Attorney for Applicant

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

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

CASE NO. 23677

APPLICATION

Avant Operating, LLC (“Avant”), OGRID Number 330396, through its undersigned attorneys, hereby files this application with the Oil Conservation Division (“Division”) pursuant to the provisions of NMSA 1978, § 70-2-17 and Rule 19.15.16.15(B)(5) NMAC, for an order (1) approving a non-standard spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. In support of this application, Avant states as follows:

1. Avant has an interest in the subject lands and has a right to drill and operate a well thereon.
2. Avant seeks to dedicate Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico to form a 640-acre, more or less, Wolfcamp horizontal spacing unit (“Unit”).
3. Avant seeks to dedicate the following proposed wells to the Unit:
 - a. The **Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; and Sandra Jean 23 Fed Com #753H wells** to be drilled in the E/2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico; and

b. The **Sandra Jean 23 Fed Com #754H and the Sandra Jean 23 Fed Com #755H wells** to be drilled in the W2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico.

4. The wells will be drilled to a depth sufficient to test the Wolfcamp formation. The wells will be horizontally drilled, and, if the non-standard unit application is approved the producing areas for all of the wells are expected to be orthodox.

5. The completed interval for the Sandra Jean 23 Fed Com #753 is expected to be less than 330 feet from the adjoining tracts, which will be a standard location if the non-standard unit application is approved.

6. Avant sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Wolfcamp formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

7. The pooling of all interests in the Wolfcamp formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

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

WHEREFORE, Avant requests this application be set for hearing before an Examiner of the Oil Conservation Division on August 3, 2023, and after notice and hearing as required by law, the Division enter its order:

- A. Approving a non-standard horizontal spacing unit pursuant to Rule 19.15.16.15(B)(5);
- B. Pooling all uncommitted interests in the Unit;
- C. Designating Avant as operator of the Unit and the wells to be drilled thereon;

- D. Authorizing Avant to recover its costs of drilling, equipping and completing the wells;
- E. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- F. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: /s/ Deana M. Bennett

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Attorneys for Avant Operating, LLC

CASE NO. 23677 : Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; Sandra Jean 23 Fed Com #753H; Sandra Jean 23 Fed Com #754H; and the Sandra Jean 23 Fed Com #755H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

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

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

CASE NO. 23678

APPLICATION

Avant Operating, LLC (“Avant”), OGRID Number 330396, through its undersigned attorneys, hereby files this application with the Oil Conservation Division (“Division”) pursuant to the provisions of NMSA 1978, § 70-2-17 and Rule 19.15.16.15(B)(5) NMAC, for an order (1) approving a non-standard spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. In support of this application, Avant states as follows:

1. Avant has an interest in the subject lands and has a right to drill and operate a well thereon.
2. Avant seeks to dedicate Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico to form a 640-acre, more or less, Bone Spring horizontal spacing unit (“Unit”).
3. Avant seeks to dedicate the following proposed wells to the Unit:
 - a. The **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; and Sandra Jean 23 Fed Com #603H** wells to be drilled in the E/2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico; and

- b. The Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and Sandra Jean 23 Fed Com #606H wells to be drilled in the W2 of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico.

4. The wells will be drilled to a depth sufficient to test the Bone Spring formation. The wells will be horizontally drilled, and, if the non-standard unit application is approved the producing areas for all of the wells are expected to be orthodox.

5. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, and Sandra Jean 23 Fed Com #602H wells, to be drilled in the E/2 of Section 23, are each expected to be less than 330 feet from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

6. The completed intervals for the Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and Sandra Jean 23 Fed Com #605H wells, to be drilled in the W/2 of Section 23, are each expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit under Rule 19.15.16.15(B)(1)(b) NMAC.

7. The completed interval for the Sandra Jean 23 Fed Com #303H well is expected to be less than 330 feet from the adjoining tracts, which will be a standard location if the non-standard unit application is approved.

8. Avant sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Bone Spring formation underlying the proposed spacing unit to participate in the drilling of the wells or to otherwise commit their interests to the wells.

9. The pooling of all interests in the Bone Spring formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

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

WHEREFORE, Avant requests this application be set for hearing before an Examiner of the Oil Conservation Division on August 3, 2023, and after notice and hearing as required by law, the Division enter its order:

A. Approving a non-standard horizontal spacing unit pursuant to Rule 19.15.16.15(B)(5);

B. Pooling all uncommitted interests in the Unit;

C. Designating Avant as operator of the Unit and the wells to be drilled thereon;

D. Authorizing Avant to recover its costs of drilling, equipping and completing the wells;

E. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and

F. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: /s/ Deana M. Bennett

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Attorneys for Avant Operating, LLC

CASE NO. 23678 : Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H wells** to be horizontally drilled. The producing area for the wells are expected to be orthodox. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

Karlene Schuman
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 500 Fourth Street, Suite 1000
 Albuquerque NM 87102

PS Form 3877

Type of Mailing: CERTIFIED MAIL
 07/13/2023



Firm Mailing Book ID: 249201

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0109 8954 71	EOG RESOURCES, INC. 1111 Bagby St. Lbby 2 Houston TX 77002	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
2	9314 8699 0430 0109 8954 88	EOG RESOURCES, INC. 5509 Champions Drive Midland TX 79706	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
3	9314 8699 0430 0109 8954 95	XTO DELAWARE BASIN, LLC 810 Houston St. Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
4	9314 8699 0430 0109 8955 01	XTO DELAWARE BASIN, LLC 22777 Springwoods Village Parkway Spring TX 77389	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
5	9314 8699 0430 0109 8955 18	COG/COP One Concho Center 600 W. Illinois Ave. Midland TX 79701	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
6	9314 8699 0430 0109 8955 25	BWAB, LLC 100 St. Paul Street, Suite #305 Denver CO 80206	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
7	9314 8699 0430 0109 8955 32	Sovereign Energy LLC William G. Mills II 7950 E. Prentice, Ste 204 Greenwood Village CO 80111	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
8	9314 8699 0430 0109 8955 49	Tremont Energy 100 Saint Paul Street #305 Denver CO 80206	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
9	9314 8699 0430 0109 8955 56	Chief Capital (O&G) II LLC 8111 Westchester Drive, Suite #900 Dallas TX 75225	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
10	9314 8699 0430 0109 8955 63	Finley Production Co. LP PO Box 2200 Fort Worth TX 76113	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
11	9314 8699 0430 0109 8955 70	Grasslands Energy, LP 5128 Apache Plume Road, Suite #300 Fort Worth TX 76109	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
12	9314 8699 0430 0109 8955 87	Pamela Cleve Elliott, Trustee 422 Heliotrope Ave. Corona Del Mar CA 92625	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
13	9314 8699 0430 0109 8955 94	Joe John Bond 1159 Oak Forest Dr. Fort Worth TX 76114	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
14	9314 8699 0430 0109 8956 00	Betsy Bond 43-10 48th Ave. #3U Woodside NY 11377	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
15	9314 8699 0430 0109 8956 17	Claire Chilton Lopez 620 Rockledge Dr. Saginaw TX 76131	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice



Karlene Schuman
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 500 Fourth Street, Suite 1000
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Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest. Del. Fee	Reference Contents
16	9314 8699 0430 0109 8956 24	John Lawrence Chilton 4949 Corriente Ln Fort Worth TX 76126	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
17	9314 8699 0430 0109 8956 31	John C Ryan IV 6229 Genoa Rd. Fort Worth TX 76116	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
18	9314 8699 0430 0109 8956 48	Richard Royal Ryan 14011 Bluff Park Dr. San Antonio TX 78216	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
19	9314 8699 0430 0109 8956 55	Susan Ryan 2208 Mistletoe Blvd Fort Worth TX 76110	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
20	9314 8699 0430 0109 8956 62	KWCL Properties 307 W. 7th St., Ste 1705 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
21	9314 8699 0430 0109 8956 79	Keystone O&G Multi-State, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
22	9314 8699 0430 0109 8956 86	Thru Line O&G Multi-State, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
23	9314 8699 0430 0109 8956 93	SRBI O&G Multi-State, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
24	9314 8699 0430 0109 8957 09	LMBI O&G Multi-State, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
25	9314 8699 0430 0109 8957 16	Edward T. Muse 3339 Morris Ranch Rd Fredericksburg TX 78624	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
26	9314 8699 0430 0109 8957 23	Ewell H. Muse, III Kentucky Derby Ct. Austin TX 78746	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
27	9314 8699 0430 0109 8957 30	LMBI I BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
28	9314 8699 0430 0109 8957 47	LMBI II BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
29	9314 8699 0430 0109 8957 54	Keystone (RMB) BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
30	9314 8699 0430 0109 8957 61	Keystone (RMB) BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice

Karlene Schuman
 Modrall Sperling Roehl Harris & Sisk P.A.
 500 Fourth Street, Suite 1000
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Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest. Del. Fee	Reference Contents
31	9314 8699 0430 0109 8957 78	CTV-LMB I BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
32	9314 8699 0430 0109 8957 85	CTV-LMB II BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
33	9314 8699 0430 0109 8957 92	CTV-CTAM BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
34	9314 8699 0430 0109 8958 08	CTV-SRB I BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
35	9314 8699 0430 0109 8958 15	CTV-SRB II BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
36	9314 8699 0430 0109 8958 22	Thru Line BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
37	9314 8699 0430 0109 8958 39	SRBI I BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
38	9314 8699 0430 0109 8958 46	SRBI II BPEOR NM, LLC 201 Main St., Ste 2700 Fort Worth TX 76102	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
39	9314 8699 0430 0109 8958 53	Jeanette Probandt 5 Ridgmar Court Midland TX 79707	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
40	9314 8699 0430 0109 8958 60	Barbe Development, LLC 121 W. 3rd Avenue Roswell NM 88201	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
41	9314 8699 0430 0109 8958 77	Bhop, LLC PO Box 326 Roswell NM 88202	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
42	9314 8699 0430 0109 8958 84	Kevin Robinson K2925 East Riggs Rd. 8-182 Chandler AZ 85249	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
43	9314 8699 0430 0109 8958 91	Gannaway Oil, LLC PO Box 2791 Roswell NM 88202	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
44	9314 8699 0430 0109 8959 07	White Gold Corporation PO Box 730 Roswell NM 88202	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
45	9314 8699 0430 0109 8959 14	Oak Valley Mineral & Land, LP PO Box 50820 Midland TX 79710	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice

Karlene Schuman
Modrall Sperling Roehl Harris & Sisk P.A.
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Albuquerque NM 87102

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Type of Mailing: CERTIFIED MAIL
07/13/2023



Firm Mailing Book ID: 249201

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest. Del. Fee	Reference Contents
46	9314 8699 0430 0109 8959 21	South Burbank Petroleum LP 11417 West County Road 33 Midland TX 79707	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
47	9314 8699 0430 0109 8959 38	HMS Oil Company, LLC 11417 West County Road 33 Midland TX 79707	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
48	9314 8699 0430 0109 8959 45	Bureau of Land Management 301 Dinosaur Trail Santa Fe NM 87508	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002 Sandra Notice
Totals:			\$76.32	\$208.80	\$105.60	\$0.00	
Grand Total:						\$390.72	

List Number of Pieces Listed by Sender	Total Number of Pieces Received at Post Office	Postmaster: Name of receiving employee	Dated:
48			

Karlene Schuman
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500 Fourth Street, Suite 1000
Albuquerque NM 87102

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Type of Mailing: CERTIFIED MAIL
08/18/2023

Firm Mailing Book ID: 250993

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0111 1841 36	Ard Energy Group 3470 Riverbend Blvd, Suite #409 Fort Worth TX 76116	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
2	9314 8699 0430 0111 1841 43	Mary T. Ard 4808 Westridge Avenue Fort Worth TX 76107	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
Totals:			\$3.18	\$8.70	\$4.40	\$0.00	
Grand Total:						\$16.28	

List Number of Pieces Listed by Sender	Total Number of Pieces Received at Post Office	Postmaster: Name of receiving employee	Dated:
2			



Karlene Schuman
Modrall Sperling Roehl Harris & Sisk P.A.
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Albuquerque NM 87102

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Type of Mailing: CERTIFIED MAIL
08/23/2023

Firm Mailing Book ID: 251197

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0111 3439 39	MRC Permian Company 5400 Lyndon B. Johnson FWY Ste 1500 Dallas TX 75240	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
2	9314 8699 0430 0111 3439 46	Earthstone Permian, LLC 1400 Woodloch Forest Drive #300 The Woodlands TX 77380	\$1.59	\$4.35	\$2.20	\$0.00	10375.0002Sandra Notice
Totals:			\$3.18	\$8.70	\$4.40	\$0.00	
Grand Total:						\$16.28	

List Number of Pieces Listed by Sender	Total Number of Pieces Received at Post Office	Postmaster: Name of receiving employee	Dated:
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2



Transaction Report Details - CertifiedPro.net
 Firm Mail Book ID= 249201
 Generated: 9/28/2023 2:24:37 PM

USPS Article Number	Date Created	Reference Number	Name 1	Name 2	City	State	Zip	Mailing Status	Service Options	Mail Delivery Date
9314869904300109895945	2023-07-13 2:52 PM	10375.0002Sandra	Bureau of Land Management		Santa Fe	NM	87508	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-17 1:11 PM
9314869904300109895938	2023-07-13 2:52 PM	10375.0002Sandra	HMS Oil Company, LLC		Midland	TX	79707	Delivered	Return Receipt - Electronic, Certified Mail	
9314869904300109895921	2023-07-13 2:52 PM	10375.0002Sandra	South Burbank Petroleum LP		Midland	TX	79707	Delivered	Return Receipt - Electronic, Certified Mail	
9314869904300109895914	2023-07-13 2:52 PM	10375.0002Sandra	Oak Valley Mineral & Land, LP		Midland	TX	79710	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-20 12:00 AM
9314869904300109895907	2023-07-13 2:52 PM	10375.0002Sandra	White Gold Corporation		Roswell	NM	88202	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-22 11:02 AM
9314869904300109895891	2023-07-13 2:52 PM	10375.0002Sandra	Gannaway Oil, LLC		Roswell	NM	88202	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 3:40 PM
9314869904300109895884	2023-07-13 2:52 PM	10375.0002Sandra	Kevin Robinson		Chandler	AZ	85249	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895877	2023-07-13 2:52 PM	10375.0002Sandra	Bhop, LLC		Roswell	NM	88202	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:20 AM
9314869904300109895860	2023-07-13 2:52 PM	10375.0002Sandra	Barbe Development, LLC		Roswell	NM	88201	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-17 12:20 PM
9314869904300109895853	2023-07-13 2:52 PM	10375.0002Sandra	Jeanette Probandt		Midland	TX	79707	To be Mailed	Return Receipt - Electronic, Certified Mail	
9314869904300109895846	2023-07-13 2:52 PM	10375.0002Sandra	SRBI II BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895839	2023-07-13 2:52 PM	10375.0002Sandra	SRBI I BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895822	2023-07-13 2:52 PM	10375.0002Sandra	Thru Line BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895815	2023-07-13 2:52 PM	10375.0002Sandra	CTV-SRB II BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895808	2023-07-13 2:52 PM	10375.0002Sandra	CTV-SRB I BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895792	2023-07-13 2:52 PM	10375.0002Sandra	CTV-CTAM BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895785	2023-07-13 2:52 PM	10375.0002Sandra	CTV-LMB II BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895778	2023-07-13 2:52 PM	10375.0002Sandra	CTV-LMB I BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:24 AM
9314869904300109895761	2023-07-13 2:52 PM	10375.0002Sandra	Keystone (RMB) BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:24 AM
9314869904300109895754	2023-07-13 2:52 PM	10375.0002Sandra	Keystone (RMB) BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895747	2023-07-13 2:52 PM	10375.0002Sandra	LMBI II BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895730	2023-07-13 2:52 PM	10375.0002Sandra	LMBI I BPEOR NM, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895723	2023-07-13 2:52 PM	10375.0002Sandra	Ewell H. Muse, III		Austin	TX	78746	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895716	2023-07-13 2:52 PM	10375.0002Sandra	Edward T. Muse		Fredericksburg	TX	78624	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895709	2023-07-13 2:52 PM	10375.0002Sandra	LMBI O&G Multi-State, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895693	2023-07-13 2:52 PM	10375.0002Sandra	SRBI O&G Multi-State, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895686	2023-07-13 2:52 PM	10375.0002Sandra	Thru Line O&G Multi-State, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895679	2023-07-13 2:52 PM	10375.0002Sandra	Keystone O&G Multi-State, LLC		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 10:23 AM
9314869904300109895662	2023-07-13 2:52 PM	10375.0002Sandra	KWCL Properties		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail	
9314869904300109895655	2023-07-13 2:52 PM	10375.0002Sandra	Susan Ryan		Fort Worth	TX	76110	Lost	Return Receipt - Electronic, Certified Mail	2023-07-17 1:25 PM
9314869904300109895648	2023-07-13 2:52 PM	10375.0002Sandra	Richard Royal Ryan		San Antonio	TX	78216	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895631	2023-07-13 2:52 PM	10375.0002Sandra	John C Ryan IV		Fort Worth	TX	76116	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895624	2023-07-13 2:52 PM	10375.0002Sandra	John Lawrence Chilton		Fort Worth	TX	76126	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-17 3:35 PM
9314869904300109895617	2023-07-13 2:52 PM	10375.0002Sandra	Claire Chilton Lopez		Saginaw	TX	76131	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895600	2023-07-13 2:52 PM	10375.0002Sandra	Betsy Bond		Woodside	NY	11377	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895594	2023-07-13 2:52 PM	10375.0002Sandra	Joe John Bond		Fort Worth	TX	76114	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-17 8:03 AM
9314869904300109895587	2023-07-13 2:52 PM	10375.0002Sandra	Pamela Cleve Elliott, Trustee		Corona Del Mar	CA	92625	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895570	2023-07-13 2:52 PM	10375.0002Sandra	Grasslands Energy, LP		Fort Worth	TX	76109	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-17 10:42 AM
9314869904300109895563	2023-07-13 2:52 PM	10375.0002Sandra	Finley Production Co. LP		Fort Worth	TX	76113	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-20 12:00 AM
9314869904300109895556	2023-07-13 2:52 PM	10375.0002Sandra	Chief Capital (O&G) II LLC		Dallas	TX	75225	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-17 11:45 AM
9314869904300109895549	2023-07-13 2:52 PM	10375.0002Sandra	Tremont Energy		Denver	CO	80206	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 3:37 PM
9314869904300109895532	2023-07-13 2:52 PM	10375.0002Sandra	Sovereign Energy LLC	William G. Mills II	Greenwood Village	CO	80111	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895525	2023-07-13 2:52 PM	10375.0002Sandra	BWAB, LLC		Denver	CO	80206	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 12:00 AM
9314869904300109895518	2023-07-13 2:52 PM	10375.0002Sandra	COG/COP	One Concho Center	Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-18 3:37 PM
9314869904300109895501	2023-07-13 2:52 PM	10375.0002Sandra	XTO DELAWARE BASIN, LLC		Spring	TX	77389	Delivered	Return Receipt - Electronic, Certified Mail	2023-07-17 8:06 AM
9314869904300109895495	2023-07-13 2:52 PM	10375.0002Sandra	XTO DELAWARE BASIN, LLC		Fort Worth	TX	76102	Lost	Return Receipt - Electronic, Certified Mail	
9314869904300109895488	2023-07-13 2:52 PM	10375.0002Sandra	EOG RESOURCES, INC.		Midland	TX	79706	Delivered	Return Receipt - Electronic, Certified Mail	
9314869904300109895471	2023-07-13 2:52 PM	10375.0002Sandra	EOG RESOURCES, INC.		Houston	TX	77002	Delivered	Return Receipt - Electronic, Certified Mail	



Transaction Report Details - CertifiedPro.net
Firm Mail Book ID= 250993
Generated: 9/28/2023 2:38:37 PM

USPS Article Number	Date Created	Reference Number	Name 1	City	State	Zip	Mailing Status	Service Options	Mail Delivery Date
9314869904300111184143	2023-08-18 12:40 PM	10375.0002Sandra	Mary T. Ard	Fort Worth	TX	76107	Undelivered - To Be Returned	Return Receipt - Electronic, Certified Mail	
9314869904300111184136	2023-08-18 12:40 PM	10375.0002Sandra	Ard Energy Gr	Fort Worth	TX	76116	Undelivered - To Be Returned	Return Receipt - Electronic, Certified Mail	

Transaction Report Details - CertifiedPro.net
Firm Mail Book ID= 251197
Generated: 9/28/2023 2:31:56 PM

USPS Article Number	Date Created	Reference Number	Name 1	City	State	Zip	Mailing Status	Service Options	Mail Delivery Date
9314869904300111343946	2023-08-23 2:34 PM	10375.0002Sandra	Earthstone Permian, LLC	The Woodlands	TX	77380	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-28 11:49 AM
9314869904300111343939	2023-08-23 2:34 PM	10375.0002Sandra	MRC Permian Company	Dallas	TX	75240	Delivered	Return Receipt - Electronic, Certified Mail	2023-08-28 10:36 AM



August 29, 2023

Dear Covius Document Services:

The following is in response to your request for proof of delivery on your item with the tracking number: **9314 8699 0430 0111 3439 46.**

Item Details

Status: Delivered, Left with Individual
Status Date / Time: August 28, 2023, 11:49 a.m.
Location: SPRING, TX 77380
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
 Return Receipt Electronic
Recipient Name: Earthstone Permian LLC

Shipment Details

Weight: 2.0oz

Destination Delivery Address

Street Address: 1400 WOODLOCH FOREST DR
City, State ZIP Code: SPRING, TX 77380-1100

Recipient Signature

Signature of Recipient:	
Address of Recipient:	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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Sincerely,
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Information in this section provided by Covius Document Services, LLC.

Reference Number: 10375.0002Sandra



August 29, 2023

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The following is in response to your request for proof of delivery on your item with the tracking number: **9314 8699 0430 0111 3439 39.**

Item Details

Status: Delivered, Front Desk/Reception/Mail Room
Status Date / Time: August 28, 2023, 10:36 a.m.
Location: DALLAS, TX 75240
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
 Return Receipt Electronic
Recipient Name: MRC Permian Company

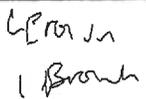
Shipment Details

Weight: 2.0oz

Destination Delivery Address

Street Address: 5400 LYNDON B JOHNSON FWY STE 1500
City, State ZIP Code: DALLAS, TX 75240-1017

Recipient Signature

Signature of Recipient:	
Address of Recipient:	5400 LBJ #1510

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Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
 United States Postal Service®
 475 L'Enfant Plaza SW
 Washington, D.C. 20260-0004

Information in this section provided by Covius Document Services, LLC.

Reference Number: 10375.0002Sandra

Affidavit of Publication

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 published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s):

Beginning with the issue dated
July 19, 2023
and ending with the issue dated
July 19, 2023.



Publisher

Sworn and subscribed to before me this
19th day of July 2023.



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

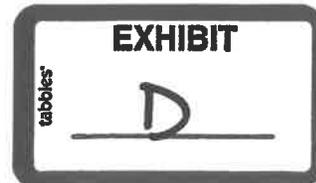
This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE July 19, 2023

CASE NO. 23677: Notice to all affected parties, as well as heirs and devisees of EOG Resources, Inc.; XTO Delaware Basin, LLC; COG/COP; BWAB, LLC; William G. Mills II, Sovereign Energy LLC; Tremont Energy; Chief Capital (O&G) II LLC; Finley Production Co. LP; Grasslands Energy, LP; Pamela Cleve Elliott, Trustee; Joe John Bond; Betsy Bond; Claire Chilton Lopez; John Lawrence Chilton; John C. Ryan IV; Richard Royal Ryan; Susan Ryan; KWCL Properties; Keystone O&G Multi-State, LLC; Thru Line O&G Multi-State, LLC; SRBI O&G Multi-State, LLC; LMBI O&G Multi-State, LLC; Edward T. Muse; Ewell H. Muse, III; LMBI I BPEOR NM, LLC; LMBI II BPEOR NM, LLC; Keystone (RMB) BPEOR NM, LLC; OTV-LMB I BPEOR NM, LLC; CTV-LMB II BPEOR NM, LLC; CTV-CTAM BPEOR NM, LLC; CTV-SRB I BPEOR NM, LLC; CTV-SRB II BPEOR NM, LLC; Thru Line BPEOR NM, LLC; SRBI I BPEOR NM, LLC; SRBI II BPEOR NM, LLC; Jeanette Probandt; Barbe Development, LLC; Bhop, LLC; Kevin Robinson; Gannaway Oil, LLC; White Gold Corporation; Oak Valley Mineral & Land, LP; South Burbank Petroleum LP; HMS Oil Company, LLC; Bureau of Land Management of Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. The State of New Mexico through its Oil Conservation Division hereby gives notice that the Division will conduct a public hearing at 8:15 a.m. on August 3, 2023 to consider this application. Information about accessing the electronic hearing is posted at "OCD NOTICES" at <https://www.emnrd.nm.gov/ocd/hearing-info/>. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfcamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; Sandra Jean 23 Fed Com #753H; Sandra Jean 23 Fed Com #754H; and the Sandra Jean 23 Fed Com #755H wells to be horizontally drilled. The producing area for the wells are expected to be orthodox. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

CASE NO. 23678: Notice to all affected parties, as well as heirs and devisees of EOG Resources, Inc.; XTO Delaware Basin, LLC; COG/COP; BWAB, LLC; William G. Mills II, Sovereign Energy LLC; Tremont Energy; Chief Capital (O&G) II LLC; Finley Production Co. LP; Grasslands Energy, LP; Pamela Cleve Elliott; Joe John Bond; Betsy Bond; Claire Chilton Lopez; John Lawrence Chilton; John C. Ryan IV; Richard Royal Ryan; Susan Ryan; KWCL Properties; Keystone O&G Multi-State, LLC; Thru Line O&G Multi-State, LLC; SRBI O&G Multi-State, LLC; LMBI O&G Multi-State, LLC; Edward T. Muse; Ewell H. Muse, III; LMBI I BPEOR NM, LLC; LMBI II BPEOR NM, LLC; Keystone (RMB) BPEOR NM, LLC; CTV-LMB I BPEOR NM, LLC; CTV-LMB II BPEOR NM, LLC; CTV-CTAM BPEOR NM, LLC; CTV-SRB I BPEOR NM, LLC; CTV-SRB II BPEOR NM, LLC; Thru Line BPEOR NM, LLC; SRBI I BPEOR NM, LLC; SRBI II BPEOR NM, LLC; Jeanette Probandt; Barbe Development, LLC; Bhop, LLC; Kevin Robinson; Gannaway Oil, LLC; White Gold Corporation; Oak Valley Mineral & Land, LP; South Burbank Petroleum LP; HMS Oil Company, LLC; Bureau of Land Management of Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. The State of New Mexico through its Oil Conservation Division hereby gives notice that the Division will conduct a public hearing at 8:15 a.m. on August 3, 2023 to consider this application. Information about accessing the electronic hearing is posted at "OCD NOTICES" at <https://www.emnrd.nm.gov/ocd/hearing-info/>. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H wells to be horizontally drilled. The producing area for the wells are expected to be orthodox. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H, Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H, Sandra Jean 23 Fed Com #505H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.
#00280746

P. O. BOX 2168
ALBUQUERQUE, NM 87103-2168



Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

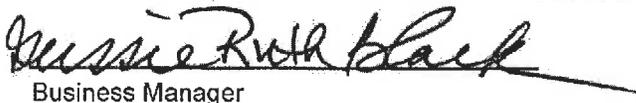
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated August 22, 2023 and ending with the issue dated August 22, 2023.



Publisher

Sworn and subscribed to before me this 22nd day of August 2023.



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 August 22, 2023

CASE NO. 23677: Notice to all affected parties, as well as heirs and devisees of: Ard Energy Group; Mary T. Ard of Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. The State of New Mexico through its Oil Conservation Division hereby gives notice that the Division will conduct a public hearing at 8:15 a.m. on September 7, 2023 to consider this application. Information about accessing the electronic hearing is posted at "OCD NOTICES" at <https://www.emnrd.nm.gov/oce/hearing-info/>. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Wolfeamp horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the Sandra Jean 23 Fed Com #751H; Sandra Jean 23 Fed Com #752H; Sandra Jean 23 Fed Com #753H; Sandra Jean 23 Fed Com #754H; and the Sandra Jean 23 Fed Com #755H wells to be horizontally drilled. The producing area for the wells are expected to be orthodox. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico.

CASE NO. 23678: Notice to all affected parties, as well as heirs and devisees of: Ard Energy Group; Mary T. Ard of Application of Avant Operating, LLC for approval of a non-standard unit and compulsory pooling, Lea County, New Mexico. The State of New Mexico through its Oil Conservation Division hereby gives notice that the Division will conduct a public hearing at 8:15 a.m. on September 7, 2023 to consider this application. Information about accessing the electronic hearing is posted at "OCD NOTICES" at <https://www.emnrd.nm.gov/oce/hearing-info/>. Applicant seeks an order from the Division (1) approving a non-standard 640-acre spacing unit, and (2) pooling all uncommitted mineral interests within a 640-acre, more or less, Bone Spring horizontal spacing unit comprised of Section 23, Township 20 South, Range 33 East, N.M.P.M, Lea County, New Mexico. This spacing unit will be dedicated to the Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #305H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; Sandra Jean 23 Fed Com #506H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H wells to be horizontally drilled. The producing area for the wells are expected to be orthodox. The completed intervals for the Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #304H; Sandra Jean 23 Fed Com #506H; and the Sandra Jean 23 Fed Com #605H wells are expected to be less than 330 feet from the adjoining tracts, thereby allowing for the inclusion of the proximity tracts within the proposed spacing unit. Also to be considered will be the cost of drilling and completing said wells, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Avant Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling said wells. Said area is located approximately 22 miles west-southwest of Monument, New Mexico. #00281905

01104570

00281905

DOLORES SERNA
MODRALL, SPERLING, ROEHL, HARRIS &
P. O. BOX 2168
ALBUQUERQUE, NM 87103-2168

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

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

CASE NO. 23678

SELF AFFIRMED DECLARATION OF JOHN HARPER

John Harper hereby states and declares as follows:

1. I am over the age of 18, I am a geologist for Avant Operating, LLC (“Avant”), and have personal knowledge of the matters stated herein. I have previously testified before the Oil Conservation Division (“Division”) and my credentials as an expert petroleum geologist were accepted by the Division as a matter of record.

2. My area of responsibility at Avant includes the area of Lea County in New Mexico.

3. I am familiar with the application filed by Avant in this case.

4. **Exhibit C.1** is a locator map showing the approximate location of the proposed unit in relation to the Capitan Reef.

5. **Exhibit C.2** is a wellbore schematic showing Avant’s Sandra Jean development plan.

6. **Exhibits C.3 through C.6** are the geology study I prepared for the **Sandra Jean 23 Fed Com #301H; Sandra Jean 23 Fed Com #302H; Sandra Jean 23 Fed Com #303H; Sandra Jean 23 Fed Com #304H; and Sandra Jean 23 Fed Com #305H** wells, which are First Bone Spring wells.

Exhibit C

1

7. **Exhibit C.3** is a structure map of the base of the Bone Spring Formation. The proposed spacing unit is identified by a red box. The proposed First Bone Spring wells are identified by the black-dashed line. The contour interval used in this exhibit is 100 feet. This exhibit shows that the structure dips gently to the south.

8. **Exhibit C.4** is a cross-section reference map that identifies two wells in the vicinity of the proposed wells, shown by a line of cross-section running from A to A’.

9. **Exhibit C.5** is a stratigraphic cross-section, and the well logs shown on the cross-section give a representative sample of the First Bone Spring formation in the area. The target zone is identified by a red-dashed line and a box identifying the wells. In my opinion, the First Bone Spring is relatively consistent in this area.

10. **Exhibit C.6** is a structural cross-section, and the well logs shown on the cross-section give a representative sample of the First Bone Spring formation in the area. The target zone is identified by a red-dashed line and a box identifying the wells. In my opinion, the First Bone Spring dips gently to the south.

11. **Exhibits C.7 through C.8** are the geology study I prepared for the **Sandra Jean 23 Fed Com #501H; Sandra Jean 23 Fed Com #502H; Sandra Jean 23 Fed Com #503H; Sandra Jean 23 Fed Com #504H; Sandra Jean 23 Fed Com #505H; and Sandra Jean 23 Fed Com #506H** wells, which are Second Bone Spring wells.

12. **Exhibit C.7** is a stratigraphic cross-section, and the well logs shown on the cross-section give a representative sample of the Second Bone Spring formation in the area. The target zone is identified by a red-dashed line and a box identifying the wells. In my opinion, the First Bone Spring is relatively consistent in this area.

13. **Exhibit C.8** is a structural cross-section, and the well logs shown on the cross-section give a representative sample of the Second Bone Spring formation in the area. The target zone is identified by a red-dashed line and a box identifying the wells. In my opinion, the First Bone Spring dips gently to the south.

14. **Exhibits C.9 through C.10** are the geology study I prepared for the **Sandra Jean 23 Fed Com #601H; Sandra Jean 23 Fed Com #602H; Sandra Jean 23 Fed Com #603H; Sandra Jean 23 Fed Com #604H; Sandra Jean 23 Fed Com #605H; and the Sandra Jean 23 Fed Com #606H wells**, which will target the Third Bone Spring.

15. **Exhibit C.9** is a stratigraphic cross-section, and the well logs shown on the cross-section give a representative sample of the Third Bone Spring formation in the area. The target zone is identified by a red-dashed line and a box identifying the wells. In my opinion, the First Bone Spring is relatively consistent in this area.

16. **Exhibit C.10** is a structural cross-section, and the well logs shown on the cross-section give a representative sample of the Third Bone Spring formation in the area. The target zone is identified by a red-dashed line and a box identifying the wells. In my opinion, the First Bone Spring dips gently to the south.

17. I conclude from the geology studies referenced above that:
- a. The horizontal spacing unit is justified from a geologic standpoint.
 - b. There are no structural impediments or faulting that will interfere with horizontal development.
 - c. Each quarter-quarter section in the proposed unit will contribute more or less equally to production.

18. The preferred well orientation in this area is either north/south or south/north, optimal for inducted fracture propagation. This is because the S_{Hmax} is at approximately 45 degrees ENE in this area of Lea County.

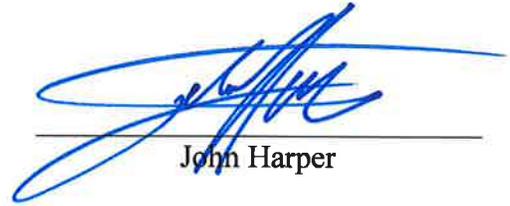
19. In my opinion, the granting of Avant's application is in the interests of conservation and the prevention of waste.

20. The attachments to this declaration were prepared by me, or compiled from company business records, or were prepared at my direction.

[Signature page follows]

I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.

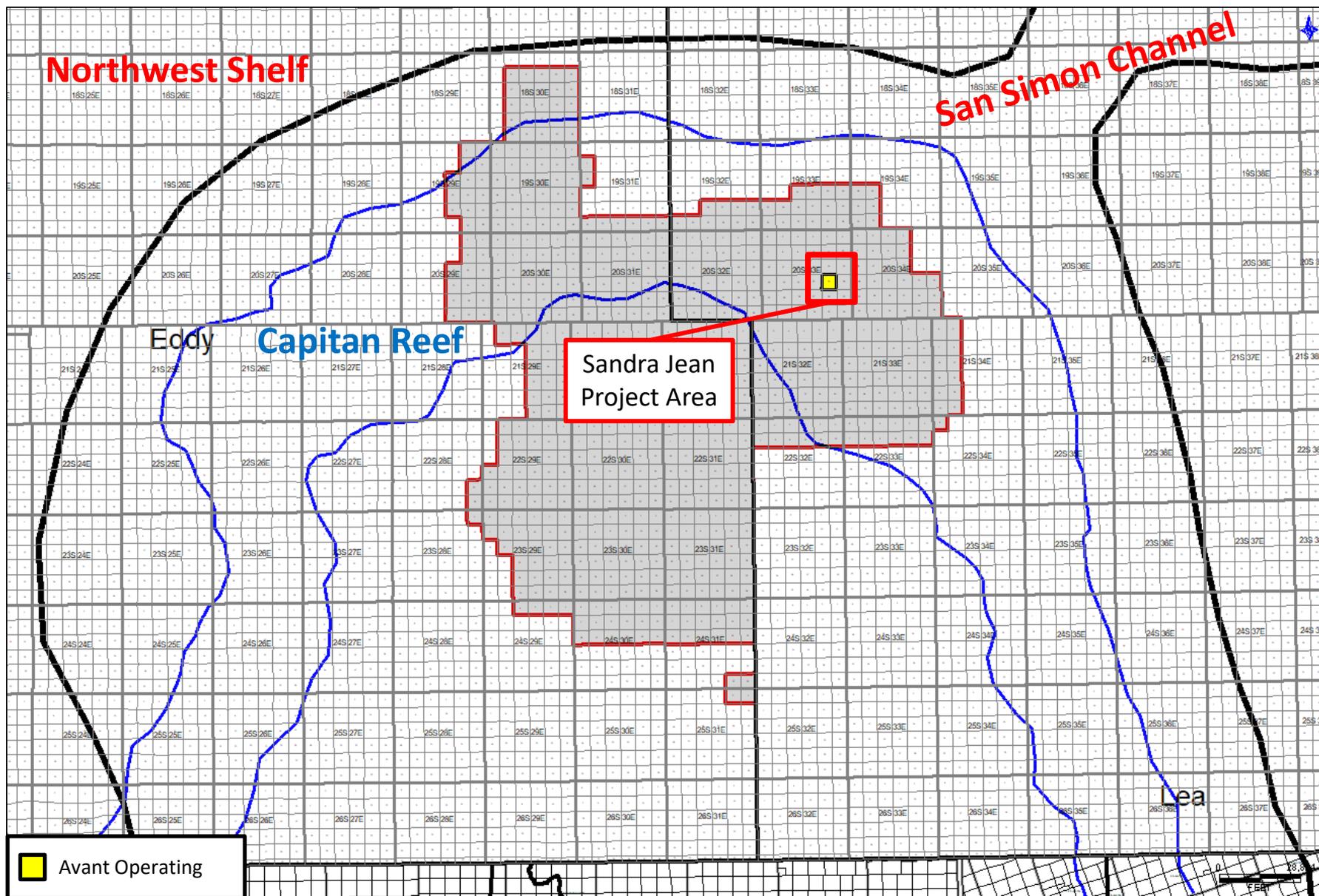
Dated: September 26, 2023



John Harper

Regional Locator Map
Sandra Jean 23 Federal Com
#301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC
Case Nos. 23678
Exhibit C-1



Gun Barrel Development Plan

Avant Operating, LLC

TBSG – SBSG - FBSG

Case Nos. 23678

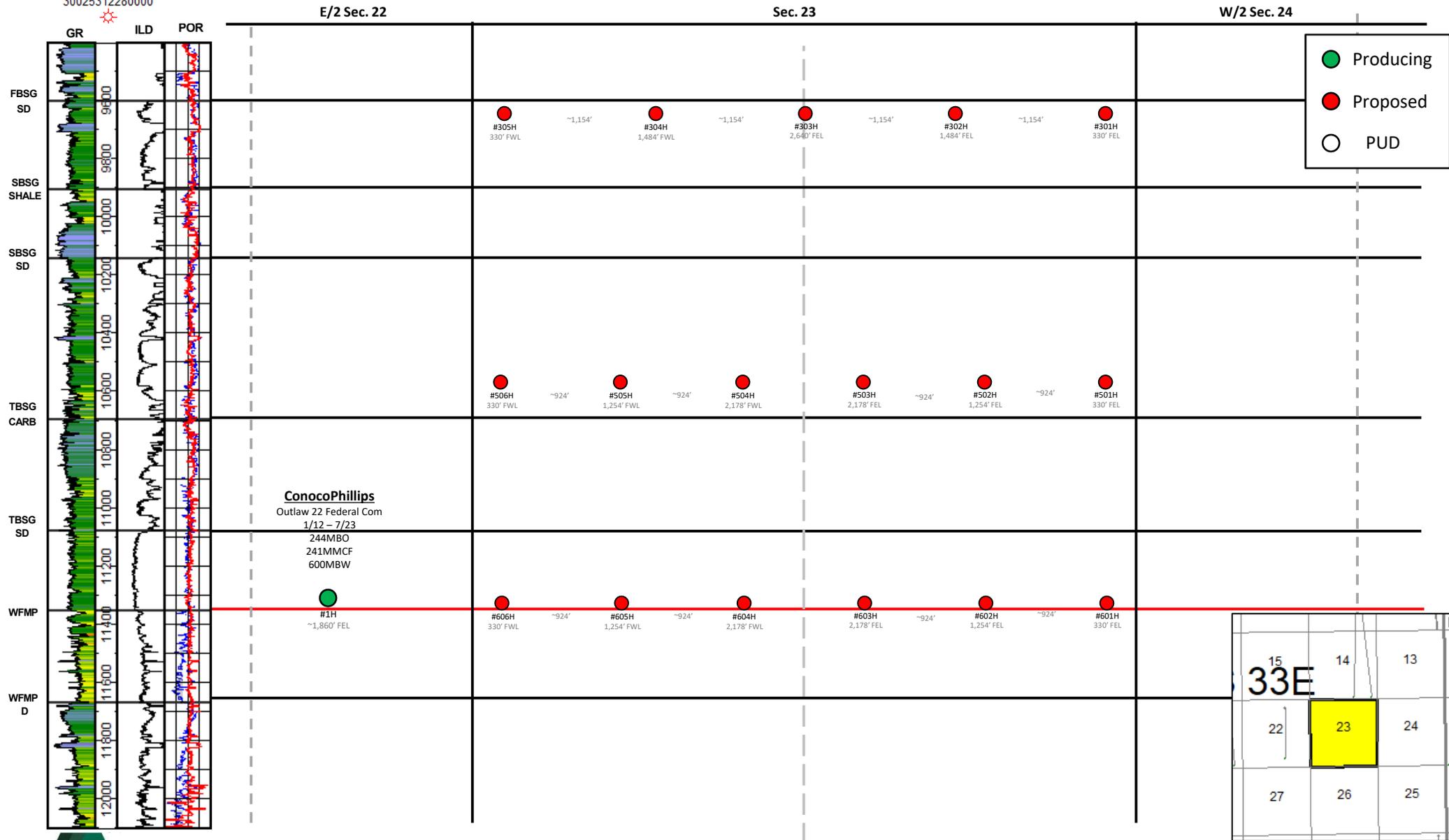
Sandra Jean 23 Federal Com

Exhibit C-2



#301H-#305H / #501-#506H / #601H-#606H

TOP HAT '26' FEDERAL
30025312280000



Proposed Sandra Jean 23 Federal Com

AVANT OPERATING, LLC | 10

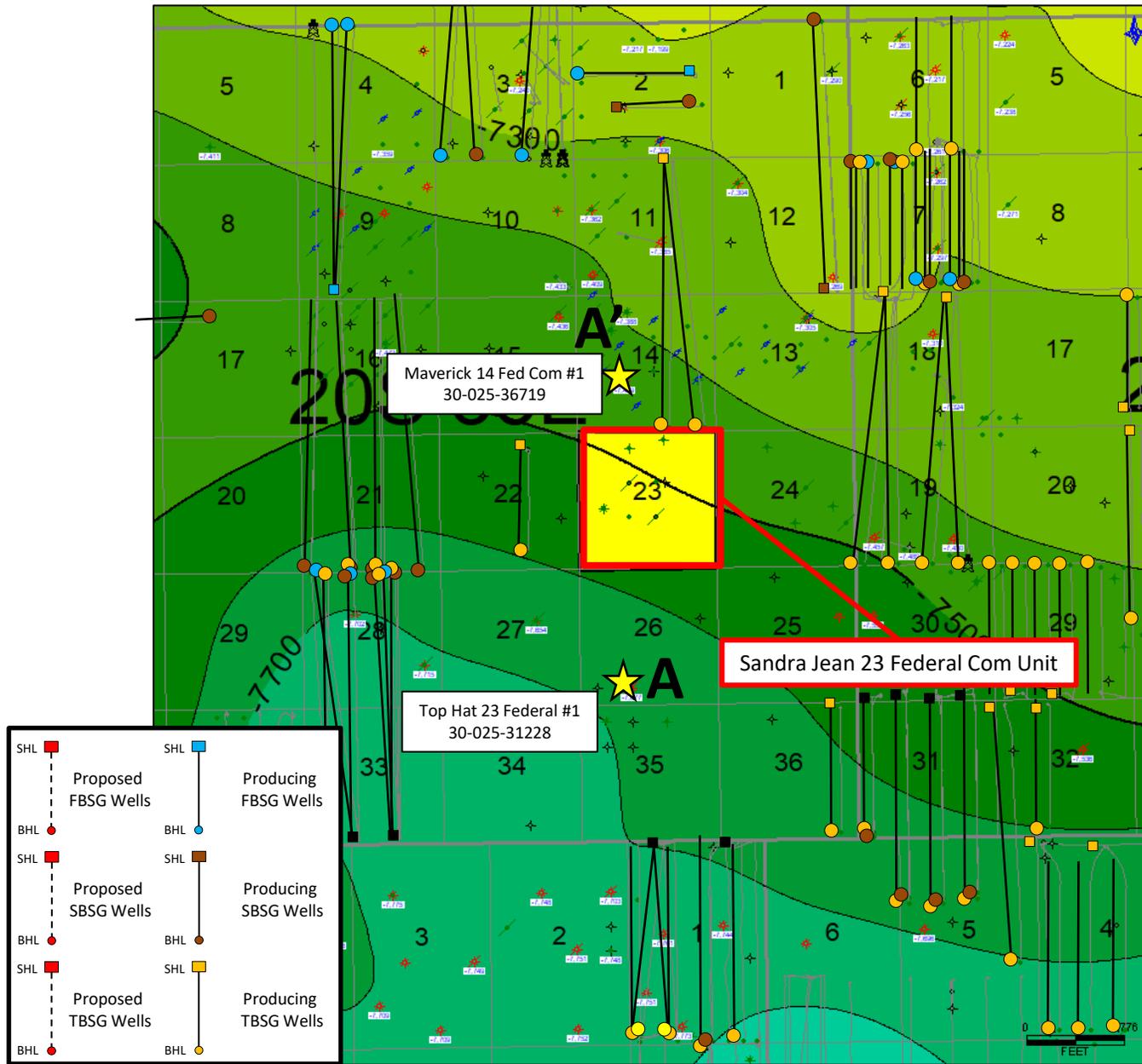
OCD Examiner Hearing 10-05-23
No. 23678
154

#601H-#606H
#501H-#506H
#301H-#305H

Base Bone Spring Structure Map (TVDss)

Sandra Jean 23 Federal Com
#301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC
Case Nos. 23678
Exhibit C-3



Cross-Section Locator Map

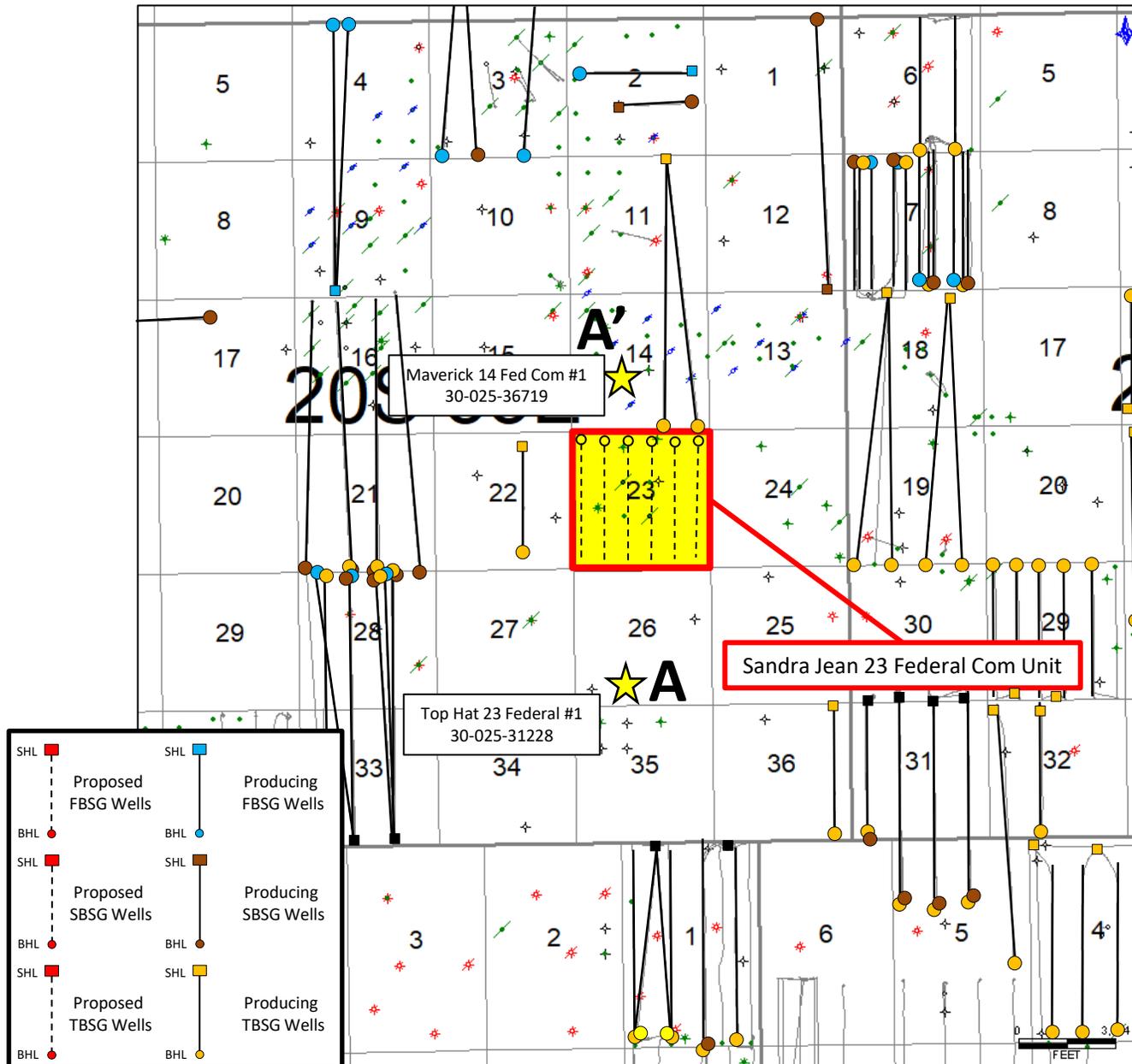
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#301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC

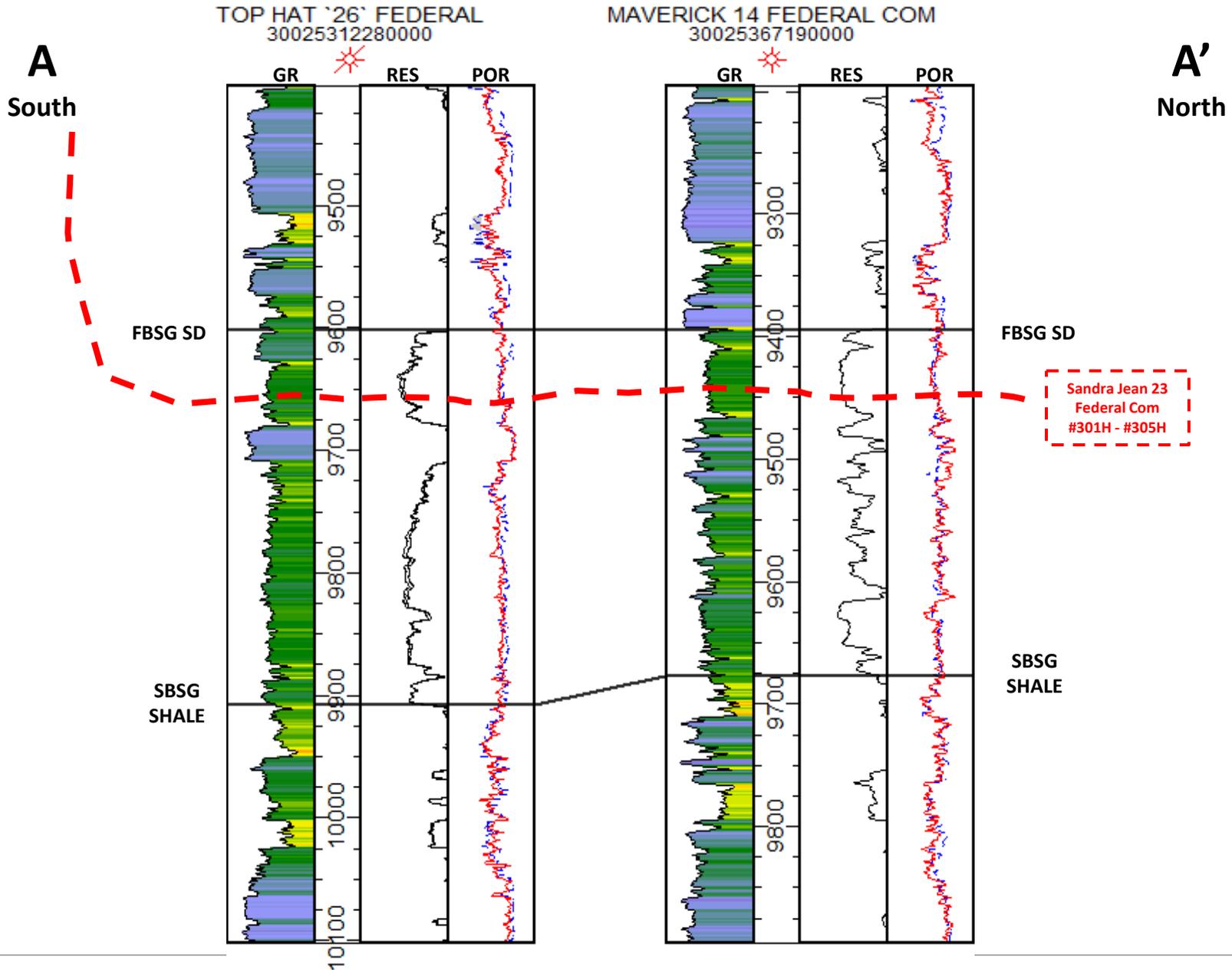
Case Nos. 23678

Exhibit C-4



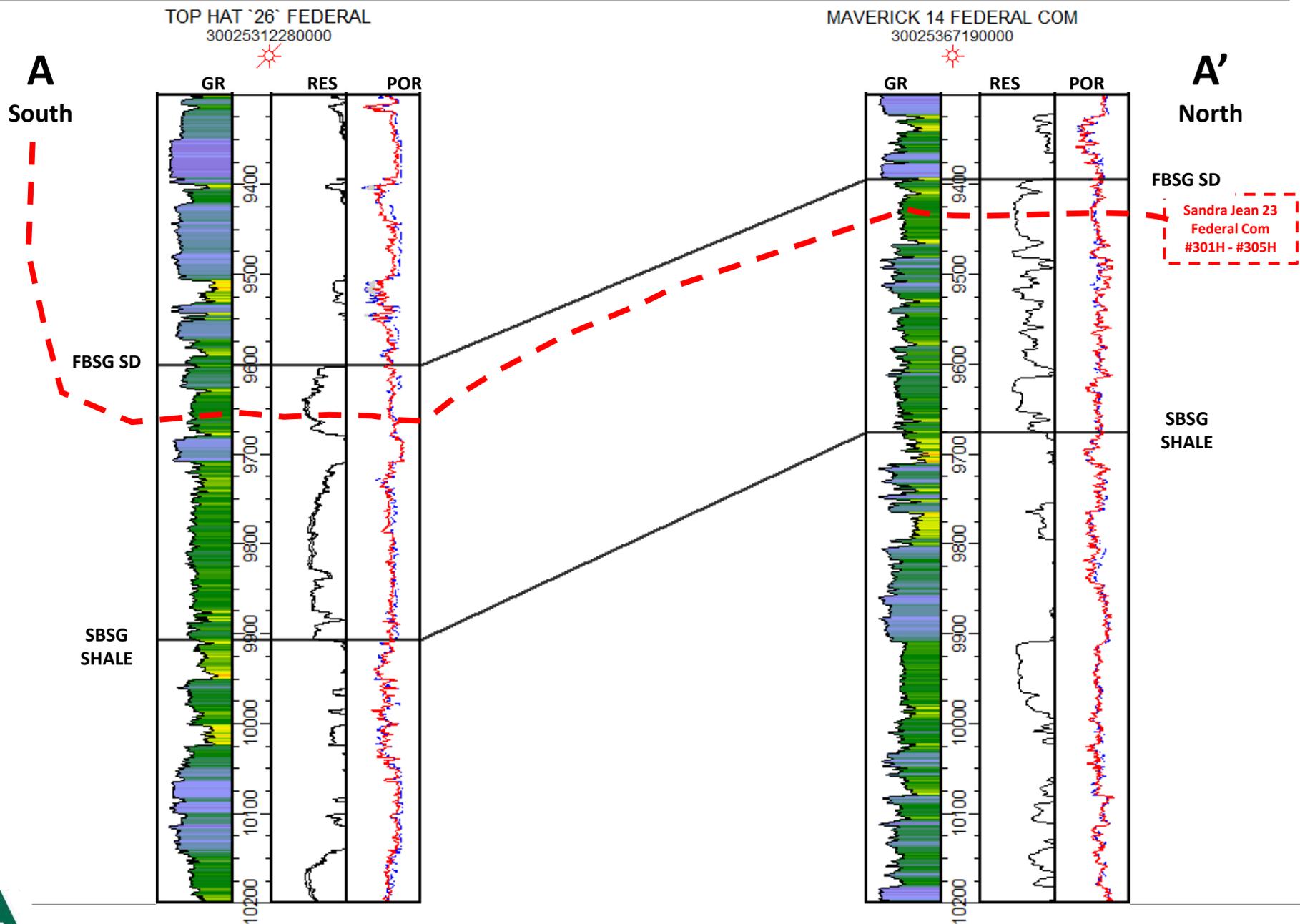
Stratigraphic Cross-Section A-A'
Sandra Jean 23 Federal Com #301H-#305H

Avant Operating, LLC
Case Nos. 23678
Exhibit C-5



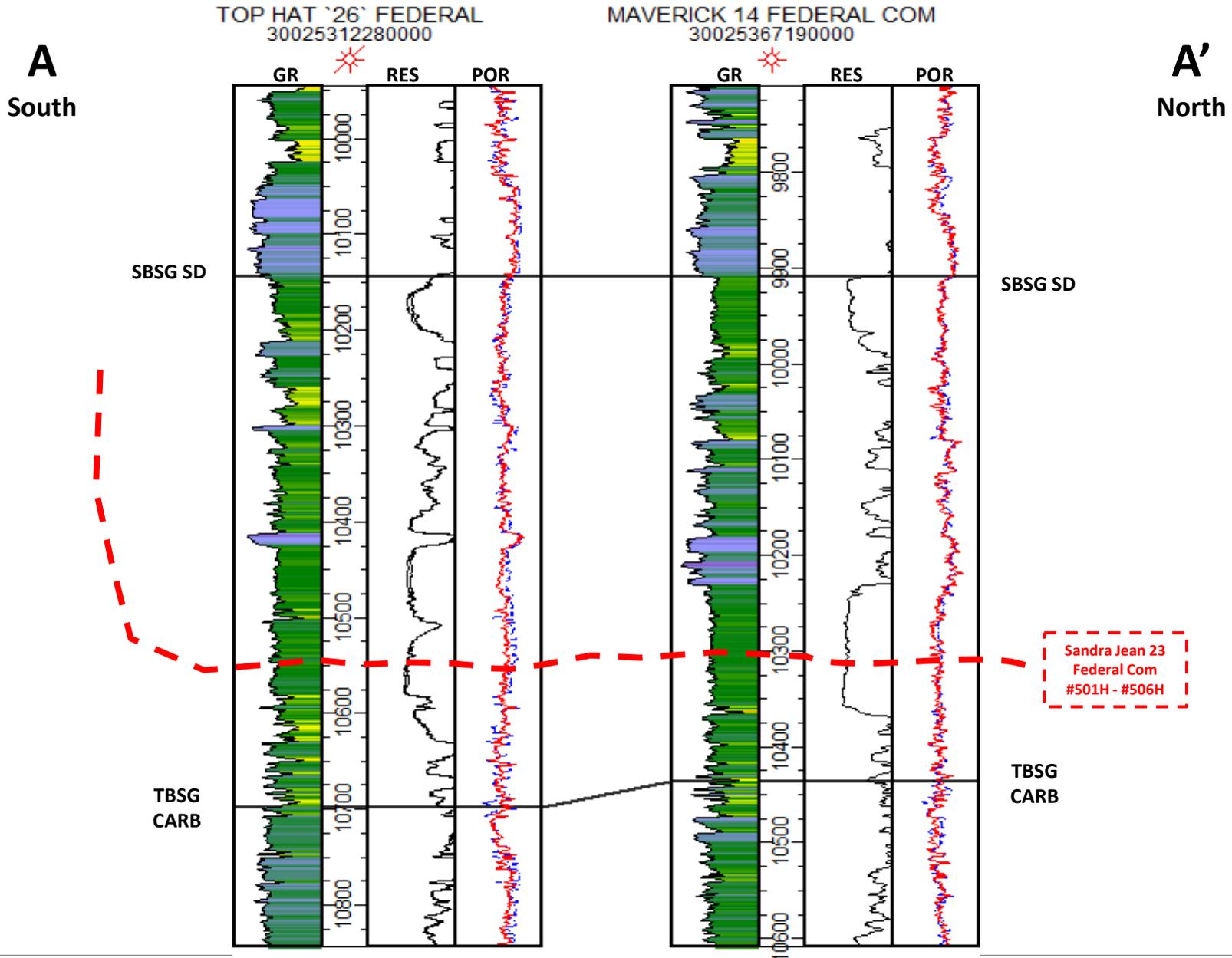
Structural Cross-Section A-A'
Sandra Jean 23 Federal Com #301H-#305H

Avant Operating, LLC
Case Nos. 23678
Exhibit C-6



Stratigraphic Cross-Section A-A'
Sandra Jean 23 Federal Com #501H-#506H

Avant Operating, LLC
Case Nos. 23678
Exhibit C-7



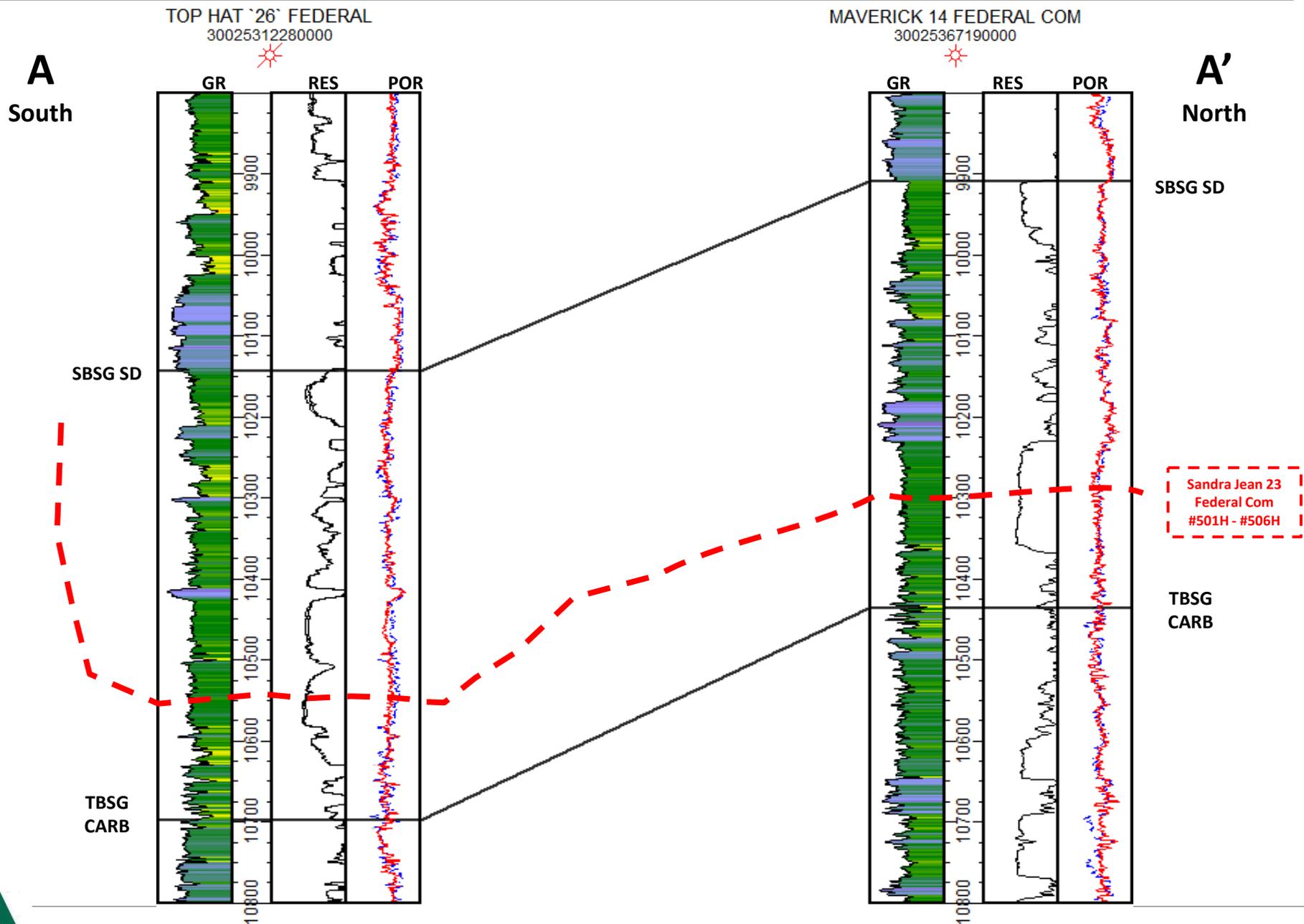
Sandra Jean 23
Federal Com
#501H - #506H



Structural Cross-Section A-A'

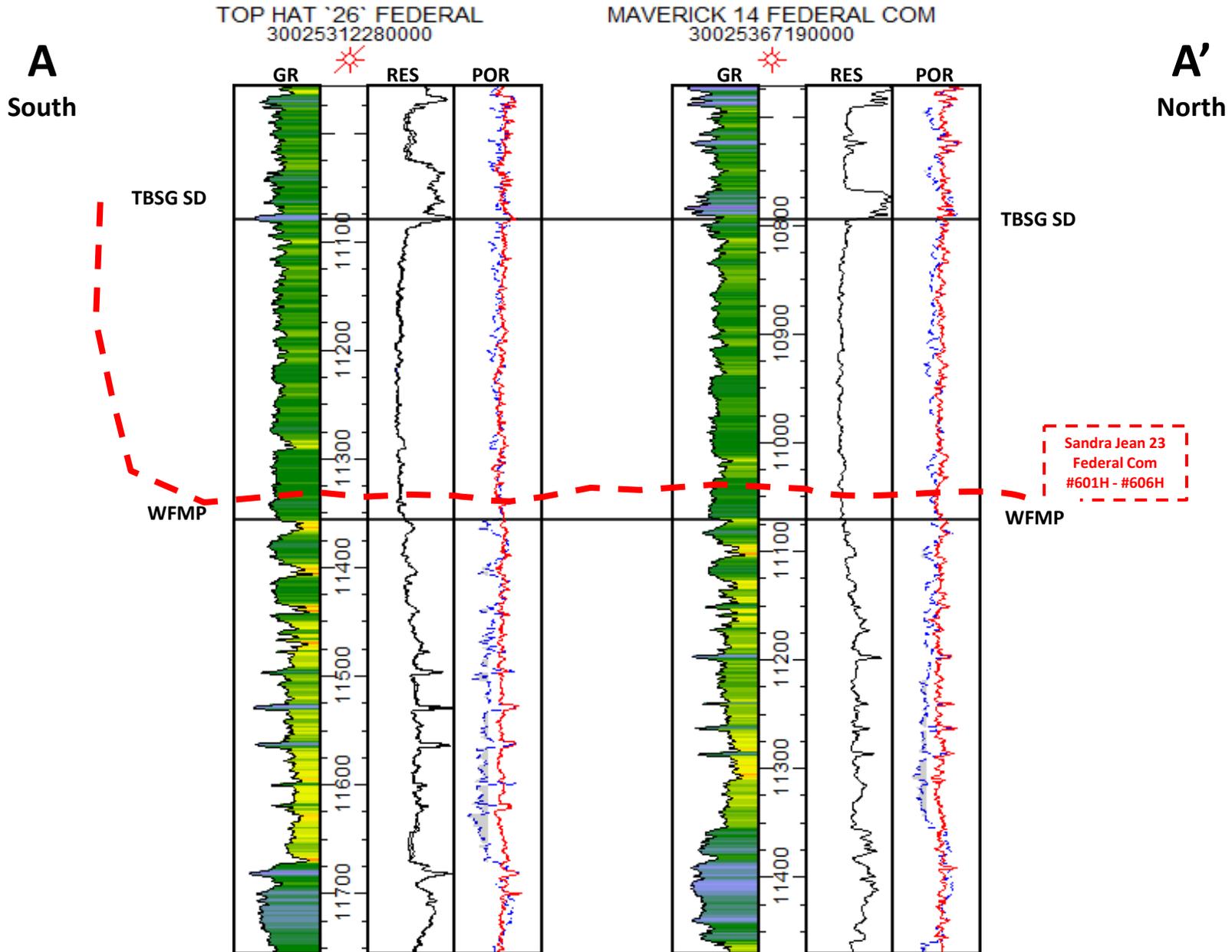
Sandra Jean 23 Federal Com #501H-#506H

Avant Operating, LLC
Case Nos. 23678
Exhibit C-8



Stratigraphic Cross-Section A-A'
Sandra Jean 23 Federal Com #601H-#606H

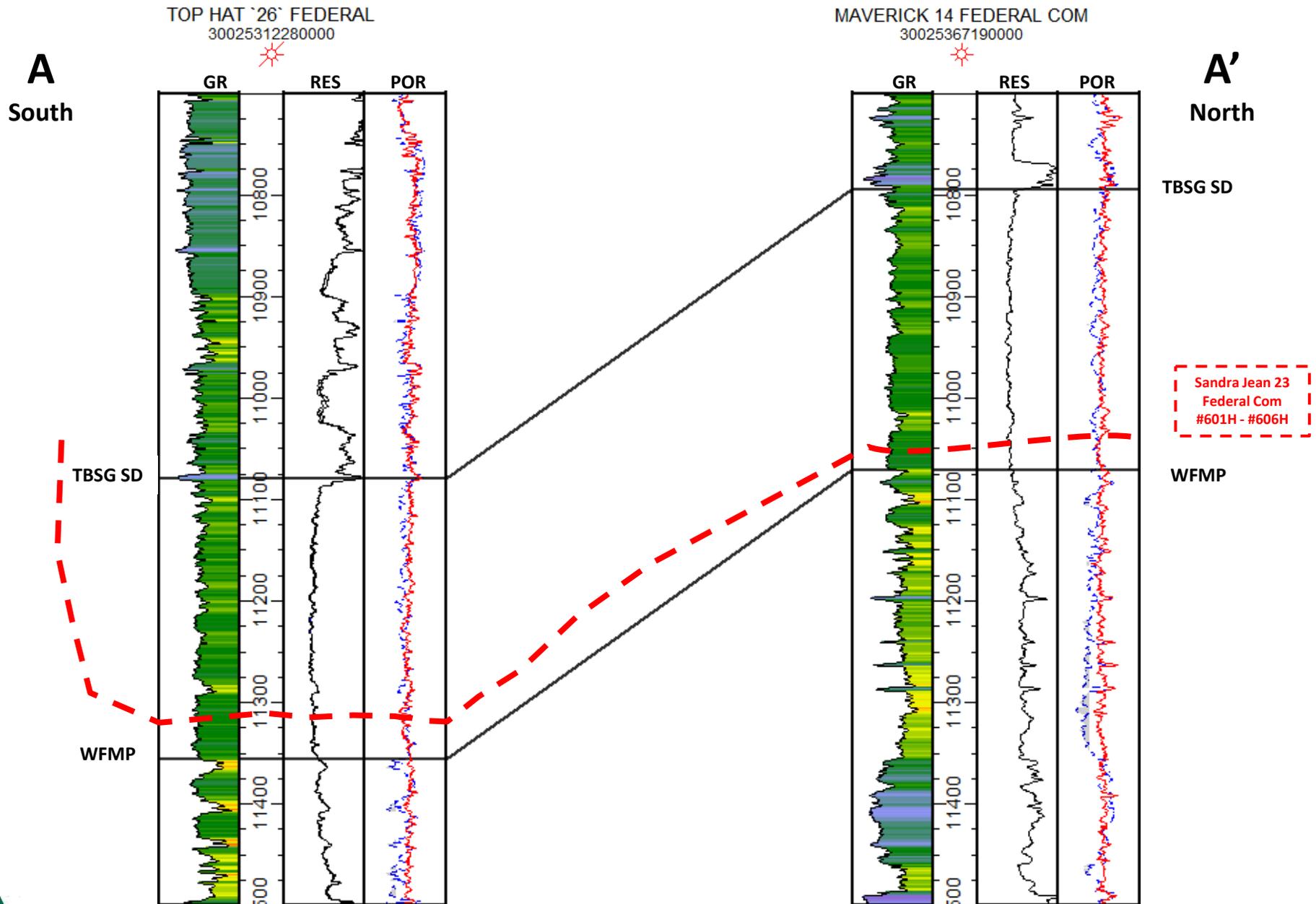
Avant Operating, LLC
Case Nos. 23678
Exhibit C-9



Structural Cross-Section A-A'

Sandra Jean 23 Federal Com #601H-#606H

Avant Operating, LLC
Case Nos. 23678
Exhibit C-10



Facilities Map

TBSG – SBSG - FBSG

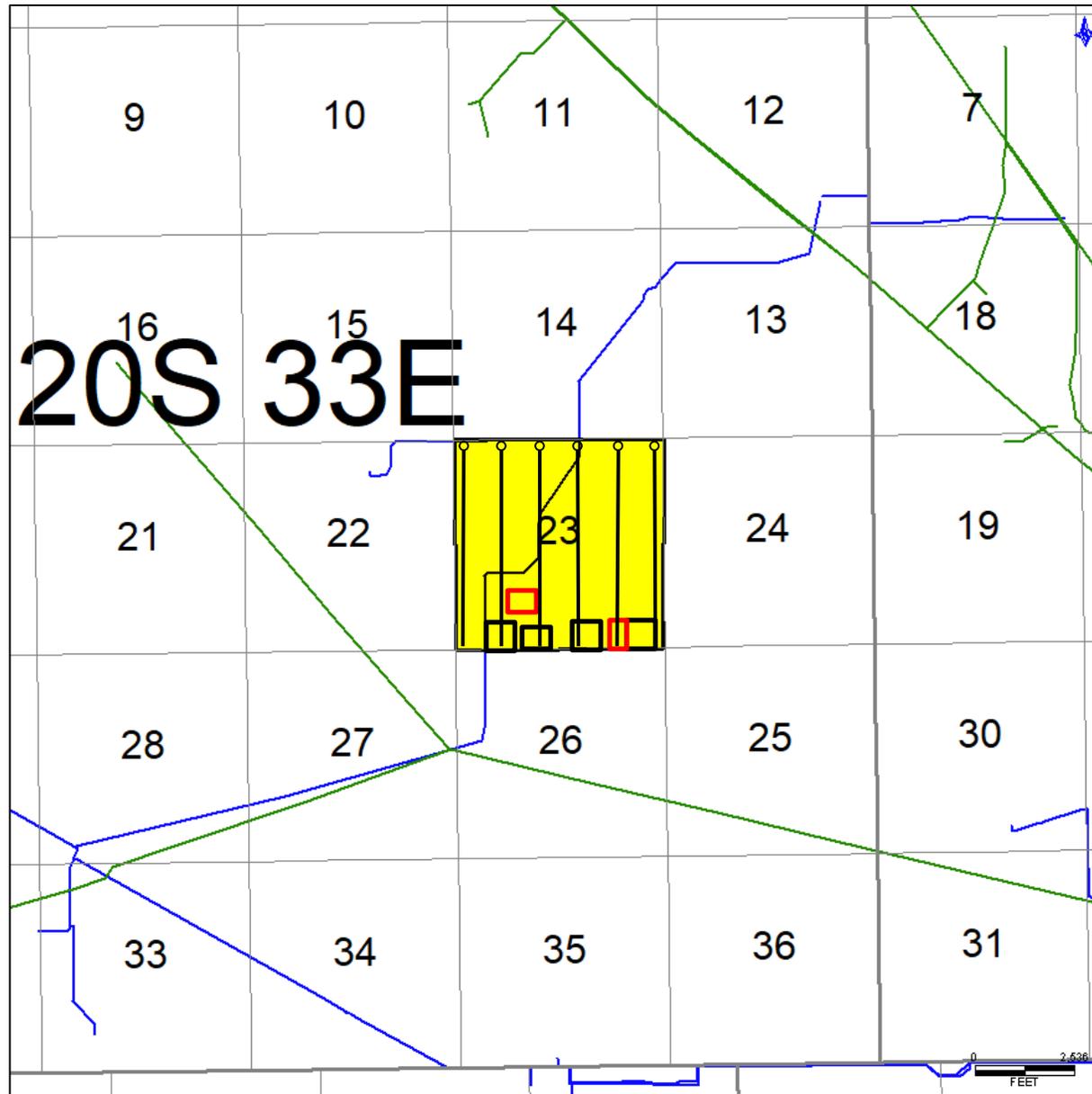
Sandra Jean 23 Federal Com

#301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC

Case Nos. 23678

Exhibit X-X



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

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

CASE NO. 23677 & 23678

SELF AFFIRMED DECLARATION OF SHANE KELLY

Shane Kelly hereby states and declares as follows:

1. I am over the age of 18, I am a reservoir engineer for Avant Operating, LLC (“Avant”) and have personal knowledge of the matters stated herein. My area of responsibility includes the area of Lea County in New Mexico.
2. I have previously testified before the Oil Conservation Division (“Division”) and my credentials as an expert petroleum engineer were accepted as a matter of record.
3. I graduated from Texas Tech University in 2014 with a Petroleum Engineering Degree. I have worked as a reservoir engineer with Avant since 2019. Before joining Avant, I worked as a reservoir engineer with Centennial Resources and EOG Resources. My resume is attached as **Exhibit D.3**.
4. I am familiar with the applications filed by Avant in these cases and the surface production facilities required to develop the oil underlying the subject acreage.
5. In these cases, Avant seeks approval of two 640-acre non-standard units—one Bone Spring unit and one Wolfcamp unit.

Exhibit D

6. Avant seeks to minimize surface disturbance and costs by consolidating facilities and commingling production from the wells and future wells in the proposed non-standard spacing units.

7. To allow the wells to be dedicated to the acreage subject to the desired Communitization Agreement, Avant requires approval of non-standard spacing units.

8. D.1 to D.2 illustrate the benefit of the non-standard units Avant is requesting.

9. If Avant has to develop the acreage using standard horizontal spacing units, Avant will need a total of 4 units. Under Avant's requested non-standard unit applications, however, Avant would only need a total of one unit.

10. **Exhibit D.1** compares the tank batteries and related surface production facilities that would be required if Avant had to develop this acreage using standard horizontal spacing units as oppose to non-standard units.

11. As these exhibits show, if Avant has to develop the acreage using standard spacing units, two additional tank batteries will be required at a cost of approximately \$28,000,000 and require an additional surface disturbance of 16.8 acres. If the non-standard spacing units are approved, the additional cost and surface disturbance required for the tank batteries will be avoided.

12. Approval of the non-standard units will allow for commingling of production, which would not be possible if Avant has to move forward with standard units. Eliminating the additional tank batteries will also lower the operating cost for this acreage.

13. **Exhibit D.2** identifies the reduced cost savings and surface disturbance that will occur if the non-standard spacing units are not approved.

14. In my opinion, approval of Avant's non-standard unit applications will allow Avant to efficiently locate surface facilities, reduce surface disturbance, and promote effective well spacing.

15. In my opinion, the granting of these applications is in the interests of conservation and the prevention of waste.

16. The attachments to this declaration were prepared by me, compiled from company business records, or were prepared at my direction.

[Signature page follows]

I attest under penalty of perjury under the laws of the State of New Mexico that the information provided herein is correct and complete to the best of my knowledge and belief.

Dated: September 28, 2023



Shane Kelly

Facilities Comparison Map Standard Unit vs. Non-Standard Unit #301H-#305H / #501-#506H / #601H-#606H

Avant Operating, LLC
Case Nos. 23678



Lease Tract Map: ALL of Sections 23, Township 20 South, Range 33 East, N.M.P.M., Lea County, New Mexico
Standard Unit vs. Non-Standard Unit

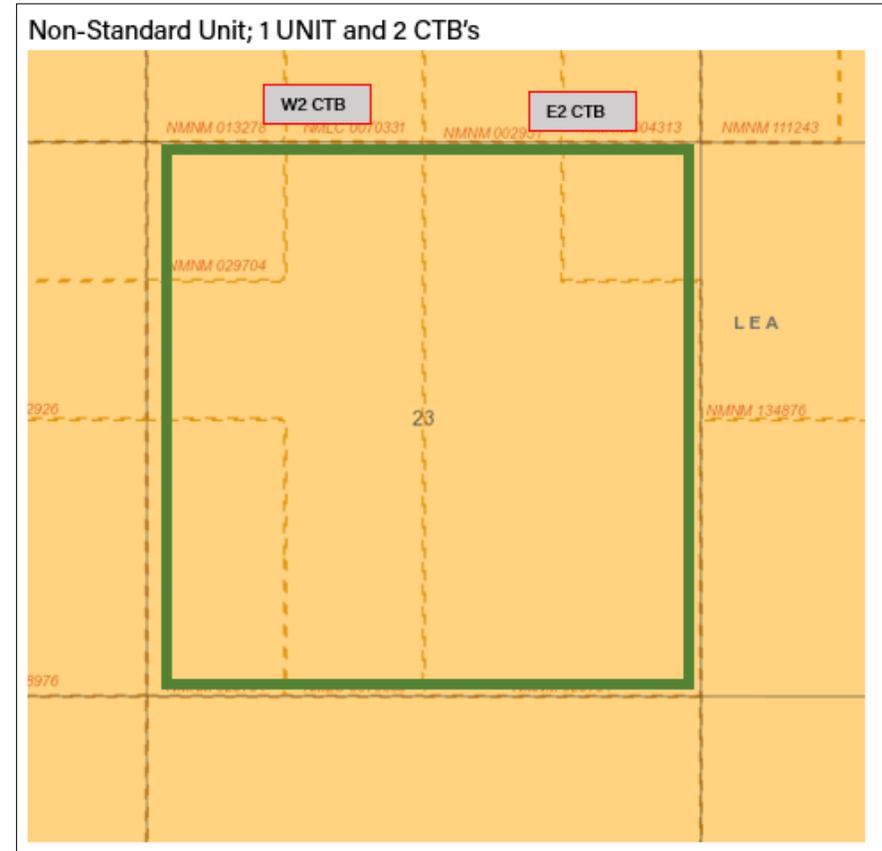
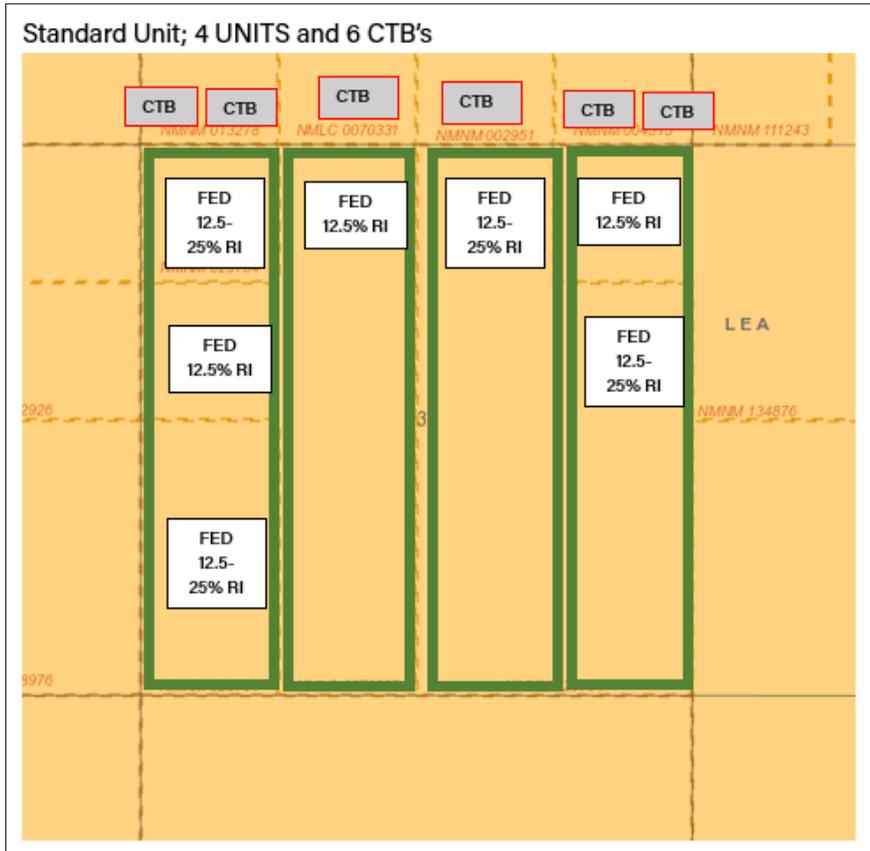


Exhibit D-1

Scenario	Design Basis Per CTB (BPOD)	CTB Cost (\$M)	Pipeline/Utilities Cost (\$M)	Total Capital (\$M)	CTB and Pipeline Disturbance (Acres)
Six Separate Facilities	6,000	\$36,000	\$10,000	\$46,000	25.2
Two Pooled Facilities	18,000	\$15,000	\$3,000	\$18,000	8.4
SAVINGS		\$21,000	\$7,000	\$28,000	16.8

Shane Kelly

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	October, 2019 – Present
CENTENNIAL RESOURCES, Denver, CO Senior Reservoir Engineer	September, 2018 – October, 2019
EOG RESOURCES, Midland, TX Reservoir Engineer II	February, 2016 – September, 2018
EOG RESOURCES, Midland, TX Engineer in Training Rotation	June, 2014 – January, 2016

Education

TEXAS TECH UNIVERSITY, Lubbock, TX Awarded BS – Petroleum Engineering Awarded BBA – Management Information Systems	May 2014 August 2011
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