BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING AUGUST 9-10, 2023

APPLICATION OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

HEARING PACKET IV

OPTION II

Case No. 23594: Mighty Pheasant 5-8 Fed Com 301H Well

Case No. 23595: Mighty Pheasant 5-8 Fed Com 302H Well

Case No. 23596: Mighty Pheasant 5-8 Fed Com 303H Well

Case No. 23597: Mighty Pheasant 5-8 Fed Com 304H Well

Case No. 23598: Loosey Goosey 4-9 Fed Com 301H Well

Case No. 23599: Loosey Goosey 4-9 Fed Com 302H Well

Case No. 23600: Loosey Goosey 4-9 Fed Com 303H Well

Case No. 23601: Loosey Goosey 4-9 Fed Com 304H Well

CIMAREX ENERGY CO.

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TAB 1

Reference for Case Nos. 23594-23601 Applications Case Nos. 23594-23601:

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

APPLICATION OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No. 23594

APPLICATION

Cimarex Energy Co. ("Cimarex"), OGRID No. 215099, through its undersigned attorneys, hereby files this Application with the Oil Conservation Division ("Division") pursuant to the provisions of NMSA 1978, Section 70-2-17, seeking an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.01-acre, more or less, spacing and proration unit comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 5 is an irregular section with correction Lots.

In support of its Application, Cimarex states the following:

- 1. Cimarex is a working interest owner in the proposed horizontal spacing and proration unit ("HSU") and has a right to drill a well thereon.
- 2. Cimarex proposes and dedicates to the HSU the **Mighty Pheasant 5-8 Fed Com 301H Well,** as the initial well, to be drilled to a sufficient depth to test production and ultimately produce from the Wolfcamp formation. This well is the same 301H well described in the application filed by Cimarex in Case No. 23449. Cimarex's geology shows that, because there are no natural barriers between formation, the hydrocarbons freely communicate between the Third Sand of the Bone Spring and the Wolfcamp, and thus, optimal development of the Wolfcamp

formation, based on the geology of the lands, is achieved by drilling the **Mighty Pheasant 5-8 Fed Com 301H Well,** which will properly produce both the Wolfcamp and Third Bone Spring, as demonstrated by the history of production in this area, and the drilling of this one well will avoid the drilling of unnecessary wells into the Wolfcamp, a practice shown to be inefficient, uneconomical, and wasteful for these particular lands based on their unique geology. This application competes with the application filed by Read & Stevens, Inc., in Case No. 23520, for the Wolfcamp formation.

- 3. Cimarex proposes the **Mighty Pheasant 5-8 Fed Com 301H Well,** an oil well, to be horizontally drilled from a surface location in Lot 4 (NW/4 NW/4 equivalent) of Section 5 to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 8.
- 4. The proposed well is orthodox in its location, and the take points and completed interval comply with setback requirements under the statewide rules.
 - 5. Cimarex's review of the land records did not reveal any overlapping units.
- 6. Cimarex has sought in good faith but has been unable to obtain voluntary agreement from all interest owners to participate in the drilling of the well or the commitment of their interests to the well for their development within the proposed HSU.
- 7. The pooling of all interests in the Wolfcamp formation within the proposed HSU will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 8. In order to provide for its just and fair share of the oil and gas underlying the subject lands, Cimarex requests that all uncommitted interests in this HSU be pooled and that Cimarex be designated the operator of the proposed horizontal well and HSU.

WHEREFORE, Cimarex requests that this Application be set for hearing on July 6, 2023, before an Examiner of the Oil Conservation Division, and after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the Wolfcamp formation underlying the proposed HSU.
- B. Approving the **Mighty Pheasant 5-8 Fed Com 301H Well** as the proper well for the HSU, and recognizing, based on geological evidence to be provided by Cimarex, that the **301H Well** is properly placed and located to develop the hydrocarbons of the HSU in a manner that will avoid the drilling of unnecessary wells.
- C. Designating Cimarex as operator of this HSU and the horizontal well drilled to produce from the HSU, and because of the communication between the Wolfcamp and Bone Spring, restricting to the extent prescribed by statewide rules, other operators from drilling into the Wolfcamp formation;
- D. Authorizing Cimarex to recover its costs of drilling, equipping, and completing the well;
- E. Approving actual operating charges and costs of supervision, to the maximum extent allowable, while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures;
- F. To the extent necessary, approving downhole commingling, or in the alternative, allowing Cimarex to seek, if necessary, administrative approval for downhole commingling; and
- G. Setting a 200% charge for the risk assumed by Cimarex in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,

ABADIE & SCHILL, PC

/s/ Darin C. Savage

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Attorneys for Cimarex Energy Co.

Application of Cimarex Energy Co. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.01-acre, more or less, spacing and proration unit comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 5 is an irregular section containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is the Mighty Pheasant 5-8 Fed Com **301H Well,** an oil well, to be horizontally drilled from a surface location in Lot 4 (NW/4 NW/4 equivalent) of Section 5 to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 8. The well will be orthodox, and the take points and completed interval will comply with the setback requirements under the statewide Rules; also to be considered will be the cost of drilling and completing the well and the allocation of the costs thereof; actual operating costs and charges for supervision; downhole commingling, to the extent and if necessary; the designation of the Applicant as Operator of the well and unit; and a 200% charge for the risk involved in drilling and completing the well. The well and lands are located approximately 40 miles northeast of Carlsbad, New Mexico.

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

APPLICATION OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No. 23595

APPLICATION

Cimarex Energy Co. ("Cimarex"), OGRID No. 215099, through its undersigned attorneys, hereby files this Application with the Oil Conservation Division ("Division") pursuant to the provisions of NMSA 1978, Section 70-2-17, seeking an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.04-acre, more or less, spacing and proration unit comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 5 is an irregular section with correction Lots.

In support of its Application, Cimarex states the following:

- 1. Cimarex is a working interest owner in the proposed horizontal spacing and proration unit ("HSU") and has a right to drill a well thereon.
- 2. Cimarex proposes and dedicates to the HSU the **Mighty Pheasant 5-8 Fed Com 302H Well,** as the initial well, to be drilled to a sufficient depth to test production and ultimately produce from the Wolfcamp formation. This well is the same 302H well described in the application filed by Cimarex in Case No. 23450. Cimarex's geology shows that, because there are no natural barriers between formation, the hydrocarbons freely communicate between the Third Sand of the Bone Spring and the Wolfcamp, and thus, optimal development of the Wolfcamp

formation, based on the geology of the lands, is achieved by drilling the **Mighty Pheasant 5-8 Fed Com 302H Well,** which will properly produce both the Wolfcamp and Third Bone Spring, as demonstrated by the history of production in this area, and the drilling of this one well will avoid the drilling of unnecessary wells into the Wolfcamp, a practice shown to be inefficient, uneconomical, and wasteful for these particular lands based on their unique geology. This application competes with the application filed by Read & Stevens, Inc., in Case No. 23521, for the Wolfcamp formation.

- 3. Cimarex proposes the **Mighty Pheasant 5-8 Fed Com 302H Well,** an oil well, to be horizontally drilled from a surface location in Lot 4 (NW/4 NW/4 equivalent) of Section 5 to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 8.
- 4. The proposed well is orthodox in its location, and the take points and completed interval comply with setback requirements under the statewide rules.
 - 5. Cimarex's review of the land records did not reveal any overlapping units.
- 6. Cimarex has sought in good faith but has been unable to obtain voluntary agreement from all interest owners to participate in the drilling of the well or the commitment of their interests to the well for their development within the proposed HSU.
- 7. The pooling of all interests in the Wolfcamp formation within the proposed HSU will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 8. In order to provide for its just and fair share of the oil and gas underlying the subject lands, Cimarex requests that all uncommitted interests in this HSU be pooled and that Cimarex be designated the operator of the proposed horizontal well and HSU.

WHEREFORE, Cimarex requests that this Application be set for hearing on July 6, 2023, before an Examiner of the Oil Conservation Division, and after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the Wolfcamp formation underlying the proposed HSU.
- B. Approving the **Mighty Pheasant 5-8 Fed Com 302H Well** as the proper well for the HSU, and recognizing, based on geological evidence to be provided by Cimarex, that the **302H Well** is properly placed and located to develop the hydrocarbons of the HSU in a manner that will avoid the drilling of unnecessary wells.
- C. Designating Cimarex as operator of this HSU and the horizontal well drilled to produce from the HSU, and because of the communication between the Wolfcamp and Bone Spring, restricting to the extent prescribed by statewide rules, other operators from drilling into the Wolfcamp formation;
- D. Authorizing Cimarex to recover its costs of drilling, equipping, and completing the well;
- E. Approving actual operating charges and costs of supervision, to the maximum extent allowable, while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures;
- F. To the extent necessary, approving downhole commingling, or in the alternative, allowing Cimarex to seek, if necessary, administrative approval for downhole commingling; and
- G. Setting a 200% charge for the risk assumed by Cimarex in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,

ABADIE & SCHILL, PC

/s/ Darin C. Savage

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Attorneys for Cimarex Energy Co.

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

APPLICATION OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

APPLICATION

Cimarex Energy Co. ("Cimarex"), OGRID No. 215099, through its undersigned attorneys, hereby files this Application with the Oil Conservation Division ("Division") pursuant to the provisions of NMSA 1978, Section 70-2-17, seeking an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.06-acre, more or less, spacing and proration unit comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 5 is an irregular section with correction Lots.

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- 1. Cimarex is a working interest owner in the proposed horizontal spacing and proration unit ("HSU") and has a right to drill a well thereon.
- 2. Cimarex proposes and dedicates to the HSU the **Mighty Pheasant 5-8 Fed Com 303H Well,** as the initial well, to be drilled to a sufficient depth to test production and ultimately produce from the Wolfcamp formation. This well is the same 303H well described in the application filed by Cimarex in Case No. 23451. Cimarex's geology shows that, because there are no natural barriers between formation, the hydrocarbons freely communicate between the Third Sand of the Bone Spring and the Wolfcamp, and thus, optimal development of the Wolfcamp

formation, based on the geology of the lands, is achieved by drilling the **Mighty Pheasant 5-8 Fed Com 303H Well,** which will properly produce both the Wolfcamp and Third Bone Spring, as demonstrated by the history of production in this area, and the drilling of this one well will avoid the drilling of unnecessary wells into the Wolfcamp, a practice shown to be inefficient, uneconomical, and wasteful for these particular lands based on their unique geology. This application competes with the application filed by Read & Stevens, Inc., in Case No. 23522, for the Wolfcamp formation.

- 3. Cimarex proposes the **Mighty Pheasant 5-8 Fed Com 303H Well,** an oil well, to be horizontally drilled from a surface location in SW/4 SE/4 (Unit O) of Section 32, Township 19 South, Range 34 East, NMPM, to a bottom hole location in the SW/4 SE/4 (Unit O) of Section 8, Township 20 South, Range 34 East, NMPM.
- 4. The proposed well is orthodox in its location, and the take points and completed interval comply with setback requirements under the statewide rules.
 - 5. Cimarex's review of the land records did not reveal any overlapping units.
- 6. Cimarex has sought in good faith but has been unable to obtain voluntary agreement from all interest owners to participate in the drilling of the well or the commitment of their interests to the well for their development within the proposed HSU.
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- B. Approving the **Mighty Pheasant 5-8 Fed Com 303H Well** as the proper well for the HSU, and recognizing, based on geological evidence to be provided by Cimarex, that the **303H Well** is properly placed and located to develop the hydrocarbons of the HSU in a manner that will avoid the drilling of unnecessary wells.
- C. Designating Cimarex as operator of this HSU and the horizontal well drilled to produce from the HSU, and because of the communication between the Wolfcamp and Bone Spring, restricting to the extent prescribed by statewide rules, other operators from drilling into the Wolfcamp formation;
- D. Authorizing Cimarex to recover its costs of drilling, equipping, and completing the well;
- E. Approving actual operating charges and costs of supervision, to the maximum extent allowable, while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures;
- F. To the extent necessary, approving downhole commingling, or in the alternative, allowing Cimarex to seek, if necessary, administrative approval for downhole commingling; and
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Respectfully submitted,

ABADIE & SCHILL, PC

/s/ Darin C. Savage

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Attorneys for Cimarex Energy Co.

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

APPLICATION OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No.	23597
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APPLICATION

Cimarex Energy Co. ("Cimarex"), OGRID No. 215099, through its undersigned attorneys, hereby files this Application with the Oil Conservation Division ("Division") pursuant to the provisions of NMSA 1978, Section 70-2-17, seeking an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.09-acre, more or less, spacing and proration unit comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 5 is an irregular section with correction Lots.

In support of its Application, Cimarex states the following:

- 1. Cimarex is a working interest owner in the proposed horizontal spacing and proration unit ("HSU") and has a right to drill a well thereon.
- 2. Cimarex proposes and dedicates to the HSU the **Mighty Pheasant 5-8 Fed Com 304H Well,** as the initial well, to be drilled to a sufficient depth to test production and ultimately produce from the Wolfcamp formation. This well is the same 304H well described in the application filed by Cimarex in Case No. 23448. Cimarex's geology shows that, because there are no natural barriers between formation, the hydrocarbons freely communicate between the Third Sand of the Bone Spring and the Wolfcamp, and thus, optimal development of the Wolfcamp

formation, based on the geology of the lands, is achieved by drilling the **Mighty Pheasant 5-8 Fed Com 304H Well,** which will properly produce both the Wolfcamp and Third Bone Spring, as demonstrated by the history of production in this area, and the drilling of this one well will avoid the drilling of unnecessary wells into the Wolfcamp, a practice shown to be inefficient, uneconomical, and wasteful for these particular lands based on their unique geology. This application competes with the application filed by Read & Stevens, Inc., in Case No. 23523, for the Wolfcamp formation.

- 3. Cimarex proposes the **Mighty Pheasant 5-8 Fed Com 304H Well,** an oil well, to be horizontally drilled from a surface location in SW/4 SE/4 (Unit O) of Section 32, Township 19 South, Range 34 East, NMPM, to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 20 South, Range 34 East, NMPM.
- 4. The proposed well is orthodox in its location, and the take points and completed interval comply with setback requirements under the statewide rules.
 - 5. Cimarex's review of the land records did not reveal any overlapping units.
- 6. Cimarex has sought in good faith but has been unable to obtain voluntary agreement from all interest owners to participate in the drilling of the well or the commitment of their interests to the well for their development within the proposed HSU.
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WHEREFORE, Cimarex requests that this Application be set for hearing on July 6, 2023, before an Examiner of the Oil Conservation Division, and after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the Wolfcamp formation underlying the proposed HSU.
- B. Approving the **Mighty Pheasant 5-8 Fed Com 304H Well** as the proper well for the HSU, and recognizing, based on geological evidence to be provided by Cimarex, that the **304H Well** is properly placed and located to develop the hydrocarbons of the HSU in a manner that will avoid the drilling of unnecessary wells.
- C. Designating Cimarex as operator of this HSU and the horizontal well drilled to produce from the HSU, and because of the communication between the Wolfcamp and Bone Spring, restricting to the extent prescribed by statewide rules, other operators from drilling into the Wolfcamp formation;
- D. Authorizing Cimarex to recover its costs of drilling, equipping, and completing the well;
- E. Approving actual operating charges and costs of supervision, to the maximum extent allowable, while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures;
- F. To the extent necessary, approving downhole commingling, or in the alternative, allowing Cimarex to seek, if necessary, administrative approval for downhole commingling; and
- G. Setting a 200% charge for the risk assumed by Cimarex in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,

ABADIE & SCHILL, PC

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Attorneys for Cimarex Energy Co.

Application of Cimarex Energy Co. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.09-acre, more or less, spacing and proration unit comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 5 is an irregular section containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is the Mighty Pheasant 5-8 Fed Com **304H Well,** an oil well, to be horizontally drilled from a surface location in SW/4 SE/4 (Unit O) of Section 32, Township 19 South, Range 34 East, NMPM, to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 20 South, Range 34 East, NMPM. The well will be orthodox, and the take points and completed interval will comply with the setback requirements under the statewide Rules; also to be considered will be the cost of drilling and completing the well and the allocation of the costs thereof; actual operating costs and charges for supervision; downhole commingling, to the extent and if necessary; the designation of the Applicant as Operator of the well and unit; and a 200% charge for the risk involved in drilling and completing the well. The well and lands are located approximately 40 miles northeast of Carlsbad, New Mexico.

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

APPLICATION OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No.	23598	
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APPLICATION

Cimarex Energy Co. ("Cimarex"), OGRID No. 215099, through its undersigned attorneys, hereby files this Application with the Oil Conservation Division ("Division") pursuant to the provisions of NMSA 1978, Section 70-2-17, seeking an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.21-acre, more or less, spacing and proration unit comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 4 is an irregular section with correction Lots.

In support of its Application, Cimarex states the following:

- 1. Cimarex is a working interest owner in the proposed horizontal spacing and proration unit ("HSU") and has a right to drill a well thereon.
- 2. Cimarex proposes and dedicates to the HSU the Loosey Goosey 4-9 Fed Com 301H Well, as the initial well, to be drilled to a sufficient depth to test production and ultimately produce from the Wolfcamp formation. This well is the same 301H well described in the application filed by Cimarex in Case No. 23453. Cimarex's geology shows that, because there are no natural barriers between formation, the hydrocarbons freely communicate between the Third Sand of the Bone Spring and the Wolfcamp, and thus, optimal development of the Wolfcamp

formation, based on the geology of the lands, is achieved by drilling the **Loosey Goosey 4-9 Fed Com 301H Well,** which will properly produce both the Wolfcamp and Third Bone Spring, as demonstrated by the history of production in this area, and the drilling of this one well will avoid the drilling of unnecessary wells into the Wolfcamp, a practice shown to be inefficient, uneconomical, and wasteful for these particular lands based on their unique geology. This application competes with the application filed by Read & Stevens, Inc., in Case No. 23512, for the Wolfcamp formation.

- 3. Cimarex proposes the **Loosey Goosey 4-9 Fed Com 301H Well,** an oil well, to be horizontally drilled from a surface location in the SE/4 SW/4 (Unit N) of Section 33, Township 19 South, Range 34 East, NMPM, to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 9, Township 20, Range 34 East, NMPM.
- 4. The proposed well is orthodox in its location, and the take points and completed interval comply with setback requirements under the statewide rules.
 - 5. Cimarex's review of the land records did not reveal any overlapping units.
- 6. Cimarex has sought in good faith but has been unable to obtain voluntary agreement from all interest owners to participate in the drilling of the well or the commitment of their interests to the well for their development within the proposed HSU.
- 7. The pooling of all interests in the Wolfcamp formation within the proposed HSU will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 8. In order to provide for its just and fair share of the oil and gas underlying the subject lands, Cimarex requests that all uncommitted interests in this HSU be pooled and that Cimarex be designated the operator of the proposed horizontal well and HSU.

WHEREFORE, Cimarex requests that this Application be set for hearing on July 6, 2023, before an Examiner of the Oil Conservation Division, and after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted mineral interests in the Wolfcamp formation underlying the proposed HSU;
- B. Approving the **Loosey Goosey 4-9 Fed Com 301H Well** as the proper well for the HSU, and recognizing, based on geological evidence to be provided by Cimarex, that the **301H Well** is properly placed and located to develop the hydrocarbons of the HSU in a manner that will avoid the drilling of unnecessary wells.
- C. Designating Cimarex as operator of this HSU and the horizontal well drilled to produce from the HSU, and because of the communication between the Wolfcamp and Bone Spring, restricting to the extent prescribed by statewide rules, other operators from drilling into the Wolfcamp formation;
- D. Authorizing Cimarex to recover its costs of drilling, equipping, and completing the well;
- E. Approving actual operating charges and costs of supervision, to the maximum extent allowable, while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures;
- F. To the extent necessary, approving downhole commingling, or in the alternative, allowing Cimarex to seek, if necessary, administrative approval for downhole commingling; and
- G. Setting a 200% charge for the risk assumed by Cimarex in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,

ABADIE & SCHILL, PC

/s/ Darin C. Savage

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Attorneys for Cimarex Energy Co.

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

APPLICATION OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No.	23599
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APPLICATION

Cimarex Energy Co. ("Cimarex"), OGRID No. 215099, through its undersigned attorneys, hereby files this Application with the Oil Conservation Division ("Division") pursuant to the provisions of NMSA 1978, Section 70-2-17, seeking an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.44-acre, more or less, spacing and proration unit comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 4 is an irregular section with correction Lots.

In support of its Application, Cimarex states the following:

- 1. Cimarex is a working interest owner in the proposed horizontal spacing and proration unit ("HSU") and has a right to drill a well thereon.
- 2. Cimarex proposes and dedicates to the HSU the Loosey Goosey 4-9 Fed Com 302H Well, as the initial well, to be drilled to a sufficient depth to test production and ultimately produce from the Wolfcamp formation. This well is the same 302H well described in the application filed by Cimarex in Case No. 23454. Cimarex's geology shows that, because there are no natural barriers between formation, the hydrocarbons freely communicate between the Third Sand of the Bone Spring and the Wolfcamp, and thus, optimal development of the Wolfcamp

formation, based on the geology of the lands, is achieved by drilling the **Loosey Goosey 4-9 Fed Com 302H Well,** which will properly produce both the Wolfcamp and Third Bone Spring, as demonstrated by the history of production in this area, and the drilling of this one well will avoid the drilling of unnecessary wells into the Wolfcamp, a practice shown to be inefficient, uneconomical, and wasteful for these particular lands based on their unique geology. This application competes with the application filed by Read & Stevens, Inc., in Case No. 23513, for the Wolfcamp formation.

- 3. Cimarex proposes the **Loosey Goosey 4-9 Fed Com 302H Well,** an oil well, to be horizontally drilled from a surface location in the SE/4 SW/4 (Unit N) of Section 33, Township 19 South, Range 34 East, NMPM, to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 9, Township 20, Range 34 East, NMPM.
- 4. The proposed well is orthodox in its location, and the take points and completed interval comply with setback requirements under the statewide rules.
 - 5. Cimarex's review of the land records did not reveal any overlapping units.
- 6. Cimarex has sought in good faith but has been unable to obtain voluntary agreement from all interest owners to participate in the drilling of the well or the commitment of their interests to the well for their development within the proposed HSU.
- 7. The pooling of all interests in the Wolfcamp formation within the proposed HSU will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 8. In order to provide for its just and fair share of the oil and gas underlying the subject lands, Cimarex requests that all uncommitted interests in this HSU be pooled and that Cimarex be designated the operator of the proposed horizontal well and HSU.

WHEREFORE, Cimarex requests that this Application be set for hearing on July 6, 2023, before an Examiner of the Oil Conservation Division, and after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted mineral interests in the Wolfcamp formation underlying the proposed HSU;
- B. Approving the **Loosey Goosey 4-9 Fed Com 302H Well** as the well for the HSU, and recognizing, based on geological evidence to be provided by Cimarex, that the **302H Well** is properly placed and located to develop the hydrocarbons of the HSU in a manner that will avoid the drilling of unnecessary wells.
- C. Designating Cimarex as operator of this HSU and the horizontal well drilled to produce from the HSU, and because of the communication between the Wolfcamp and Bone Spring, restricting to the extent prescribed by statewide rules, other operators from drilling into the Wolfcamp formation;
- D. Authorizing Cimarex to recover its costs of drilling, equipping, and completing the well;
- E. Approving actual operating charges and costs of supervision, to the maximum extent allowable, while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures;
- F. To the extent necessary, approving downhole commingling, or in the alternative, allowing Cimarex to seek, if necessary, administrative approval for downhole commingling; and
- G. Setting a 200% charge for the risk assumed by Cimarex in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,

ABADIE & SCHILL, PC

/s/ Darin C. Savage

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Attorneys for Cimarex Energy Co.

Application of Cimarex Energy Co. for Compulsory Pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order from the Division pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.44-acre, more or less, horizontal spacing and proration unit comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 4 is an irregular section containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is the Loosey Goosey 4-9 Fed Com 302H Well, an oil well, to be horizontally drilled from a surface location in the SE/4 SW/4 (Unit N) of Section 33, Township 19 South, Range 34 East, NMPM, to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 9, Township 20 South, Range 34 East, NMPM. The well will be orthodox, and the take points and completed interval will comply with the setback requirements under the statewide Rules; also to be considered will be the cost of drilling and completing the well and the allocation of the costs thereof; actual operating costs and charges for supervision; downhole commingling, to the extent and if necessary; the designation of the Applicant as Operator of the well and unit; the designation of the Applicant as Operator of the well and unit; and a 200% charge for the risk involved in drilling and completing the well. The well and lands are located approximately 40 miles northeast of Carlsbad, New Mexico.

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

APPLICATION OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No. 23600

APPLICATION

Cimarex Energy Co. ("Cimarex"), OGRID No. 215099, through its undersigned attorneys, hereby files this Application with the Oil Conservation Division ("Division") pursuant to the provisions of NMSA 1978, Section 70-2-17, seeking an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.66-acre, more or less, spacing and proration unit comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 4 is an irregular section with correction Lots.

In support of its Application, Cimarex states the following:

- 1. Cimarex is a working interest owner in the proposed horizontal spacing and proration unit ("HSU") and has a right to drill a well thereon.
- 2. Cimarex proposes and dedicates to the HSU the Loosey Goosey 4-9 Fed Com 303H Well, as the initial well, to be drilled to a sufficient depth to test production and ultimately produce from the Wolfcamp formation. This well is the same 303H well described in the application filed by Cimarex in Case No. 23455. Cimarex's geology shows that, because there are no natural barriers between formation, the hydrocarbons freely communicate between the Third Sand of the Bone Spring and the Wolfcamp, and thus, optimal development of the Wolfcamp

formation, based on the geology of the lands, is achieved by drilling the **Loosey Goosey 4-9 Fed Com 303H Well,** which will properly produce both the Wolfcamp and Third Bone Spring, as demonstrated by the history of production in this area, and the drilling of this one well will avoid the drilling of unnecessary wells into the Wolfcamp, a practice shown to be inefficient, uneconomical, and wasteful for these particular lands based on their unique geology. This application competes with the application filed by Read & Stevens, Inc., in Case No. 23514, for the Wolfcamp formation.

- 3. Cimarex proposes the **Loosey Goosey 4-9 Fed Com 303H Well,** an oil well, to be horizontally drilled from a surface location in the SW/4 SE/4 (Unit O) of Section 33, Township 19 South, Range 34 East, NMPM, to a bottom hole location in the SW/4 SE/4 (Unit O) of Section 9, Township 20, Range 34 East, NMPM.
- 4. The proposed well is orthodox in its location, and the take points and completed interval comply with setback requirements under the statewide rules.
 - 5. Cimarex's review of the land records did not reveal any overlapping units.
- 6. Cimarex has sought in good faith but has been unable to obtain voluntary agreement from all interest owners to participate in the drilling of the well or the commitment of their interests to the well for their development within the proposed HSU.
- 7. The pooling of all interests in the Wolfcamp formation within the proposed HSU will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 8. In order to provide for its just and fair share of the oil and gas underlying the subject lands, Cimarex requests that all uncommitted interests in this HSU be pooled and that Cimarex be designated the operator of the proposed horizontal well and HSU.

WHEREFORE, Cimarex requests that this Application be set for hearing on July 6, 2023, before an Examiner of the Oil Conservation Division, and after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted mineral interests in the Wolfcamp formation underlying the proposed HSU;
- B. Approving the **Loosey Goosey 4-9 Fed Com 303H Well** as the well for the HSU, and recognizing, based on geological evidence to be provided by Cimarex, that the **303H Well** is properly placed and located to develop the hydrocarbons of the HSU in a manner that will avoid the drilling of unnecessary wells.
- C. Designating Cimarex as operator of this HSU and the horizontal well drilled to produce from the HSU, and because of the communication between the Wolfcamp and Bone Spring, restricting to the extent prescribed by statewide rules, other operators from drilling into the Wolfcamp formation;
- D. Authorizing Cimarex to recover its costs of drilling, equipping, and completing the well;
- E. Approving actual operating charges and costs of supervision, to the maximum extent allowable, while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures;
- F. To the extent necessary, approving downhole commingling, or in the alternative, allowing Cimarex to seek, if necessary, administrative approval for downhole commingling; and
- G. Setting a 200% charge for the risk assumed by Cimarex in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,

ABADIE & SCHILL, PC

/s/ Darin C. Savage

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Attorneys for Cimarex Energy Co.

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

APPLICATION OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case No.

APPLICATION

Cimarex Energy Co. ("Cimarex"), OGRID No. 215099, through its undersigned attorneys, hereby files this Application with the Oil Conservation Division ("Division") pursuant to the provisions of NMSA 1978, Section 70-2-17, seeking an order pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.89-acre, more or less, spacing and proration unit comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 4 is an irregular section with correction Lots.

In support of its Application, Cimarex states the following:

- 1. Cimarex is a working interest owner in the proposed horizontal spacing and proration unit ("HSU") and has a right to drill a well thereon.
- 2. Cimarex proposes and dedicates to the HSU the **Loosey Goosey 4-9 Fed Com 304H Well,** as the initial well, to be drilled to a sufficient depth to test production and ultimately produce from the Wolfcamp formation. This well is the same 304H well described in the application filed by Cimarex in Case No. 23452. Cimarex's geology shows that, because there are no natural barriers between formation, the hydrocarbons freely communicate between the Third Sand of the Bone Spring and the Wolfcamp, and thus, optimal development of the Wolfcamp formation, based on the

geology of the lands, is achieved by drilling the **Loosey Goosey 4-9 Fed Com 304H Well,** which will properly produce both the Wolfcamp and Third Bone Spring, as demonstrated by the history of production in this area, and the drilling of this one well will avoid the drilling of unnecessary wells into the Wolfcamp, a practice shown to be inefficient, uneconomical, and wasteful for these particular lands based on their unique geology. This application competes with the application filed by Read & Stevens, Inc., in Case No. 23515, for the Wolfcamp formation.

- 3. Cimarex proposes the **Loosey Goosey 4-9 Fed Com 304H Well,** an oil well, to be horizontally drilled from a surface location in the SW/4 SE/4 (Unit O) of Section 33, Township 19 South, Range 34 East, NMPM, to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 9, Township 20, Range 34 East, NMPM.
- 4. The proposed well is orthodox in their locations, and the take points and completed intervals comply with setback requirements under the statewide rules.
 - 5. Cimarex's review of the land records did not reveal any overlapping units.
- 6. Cimarex has sought in good faith but has been unable to obtain voluntary agreement from all interest owners to participate in the drilling of the well or the commitment of their interests to the well for their development within the proposed HSU.
- 7. The pooling of all interests in the Wolfcamp formation within the proposed HSU will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 8. In order to provide for its just and fair share of the oil and gas underlying the subject lands, Cimarex requests that all uncommitted interests in this HSU be pooled and that Cimarex be designated the operator of the proposed horizontal well and HSU.

WHEREFORE, Cimarex requests that this Application be set for hearing on April 6, 2023, before an Examiner of the Oil Conservation Division, and after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted mineral interests in the Wolfcamp formation underlying the proposed HSU;
- B. Approving the **Loosey Goosey 4-9 Fed Com 304H Well** as the well for the HSU, and recognizing, based on geological evidence to be provided by Cimarex, that the **304H Well** is properly placed and located to develop the hydrocarbons of the HSU in a manner that will avoid the drilling of unnecessary wells.
- C. Designating Cimarex as operator of this HSU and the horizontal well drilled to produce from the HSU, and because of the communication between the Wolfcamp and Bone Spring, restricting to the extent prescribed by statewide rules, other operators from drilling into the Wolfcamp formation;
- D. Authorizing Cimarex to recover its costs of drilling, equipping, and completing the well;
- E. Approving actual operating charges and costs of supervision, to the maximum extent allowable, while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures;
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ABADIE & SCHILL, PC

/s/ Darin C. Savage

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Case: 23594	APPLICANT'S RESPONSE
Date: August 9-10, 2023 (Scheduled hearing)	
Applicant	Cimarex Energy Co.
Designated Operator & OGRID (affiliation if applicable)	215099
Applicant's Counsel:	Darin C. Savage, Abadie & Schill, P.C.
Case Title:	APPLICATION OF CIMAREX ENERGY CO., FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Read & Stevens, Inc., / Permian Resources Operating, LLC Sandstone Properties, LLC Northern Oil and Gas, Inc.
Well Family	Mighty Pheasant
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide Rules
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.01-acre, more or less
Building Blocks:	Quarter-Quarter Sections (40 Acre Blocks)
Orientation:	North to South
Description: TRS/County	Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, ir Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes, Standard Spacing Unit
Other Situations	
Depth Severance: Y/N. If yes, description	No, N/A
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	No
Applicant's Ownership in Each Tract	See Exhibit A-2, breakdown of ownership
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

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Spacing Unit Schematic	Exhibit B-5, B-6, B-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-3, B-4
Well Orientation (with rationale)	Exhibit A-1, B-5, B-6, B-8
Target Formation	Exhibit B-3, B-4, B-6, B-7
HSU Cross Section	Exhibit B-3, B-4, B-6, B-7
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-1
Tracts	Exhibit A-2.1
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-2.1
General Location Map (including basin)	Exhibit A-2.1
Well Bore Location Map	Exhibit A-1, B-2, B-3
Structure Contour Map - Subsea Depth	Exhibit B-5, B-6, B-11
Cross Section Location Map (including wells)	Exhibit B-3, B-4, B-6, B-7
Cross Section (including Landing Zone)	Exhibit B-3, B-4, B-6, B-7
Additional Information	
Special Provisions/Stipulations	
CERTIFICATION: I hereby certify that the information pro	ovided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Darin C. Savage
Signed Name (Attorney or Party Representative):	/s/ Darin Savage
Date:	2-Aug-23

ALL INFORMATION IN THE APPLICATION MUST BE SUF	PPORTED BY SIGNED AFFIDAVITS
Case: 23595	APPLICANT'S RESPONSE
Date: August 9-10, 2023 (Scheduled hearing)	
Applicant	Cimarex Energy Co.
Designated Operator & OGRID (affiliation if applicable)	215099
Applicant's Counsel:	Darin C. Savage, Abadie & Schill, P.C.
Case Title:	APPLICATION OF CIMAREX ENERGY CO., FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Read & Stevens, Inc., / Permian Resources Operating, LLC Sandstone Properties, LLC Northern Oil and Gas, Inc.
Well Family	Mighty Pheasant
Formation/Pool	-
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide Rules
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.04-acre, more or less
Building Blocks:	Quarter-Quarter Sections (40 Acre Blocks)
Orientation:	North to South
Description: TRS/County	Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes, Standard Spacing Unit
Other Situations	
Depth Severance: Y/N. If yes, description	No, N/A
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	No
Applicant's Ownership in Each Tract	See Exhibit A-2.2, breakdown of ownership
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

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Gunbarrel/Lateral Trajectory Schematic	Exhibit B-3, B-4,
Well Orientation (with rationale)	Exhibit A-1, B-5, B-6, B-8
Target Formation	Exhibit B-3, B-4, B-6, B-7
HSU Cross Section	Exhibit B-3, B-4, B-6, B-7
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-1
Tracts	Exhibit A-2.2
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-2.2
General Location Map (including basin)	Exhibit A-2.2
Well Bore Location Map	Exhibit A-1, B-2, B-3
Structure Contour Map - Subsea Depth	Exhibit B-5, B-6
Cross Section Location Map (including wells)	Exhibit B-3, B-4, B-6, B-7
Cross Section (including Landing Zone)	Exhibit B-3, B-4, B-6, B-7
Additional Information	
Special Provisions/Stipulations	
CERTIFICATION: I hereby certify that the information pro	vided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Darin C. Savage
Signed Name (Attorney or Party Representative):	/s/ Darin Savage
Date:	2-Aug-23

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS		
Case: 23596	APPLICANT'S RESPONSE	
Date: AUGUST 9-10, 2023 (Scheduled hearing)		
Applicant	Cimarex Energy Co.	
Designated Operator & OGRID (affiliation if applicable)	215099	
Applicant's Counsel:	Darin C. Savage, Abadie & Schill, P.C.	
Case Title:	APPLICATION OF CIMAREX ENERGY CO., FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO	
Entries of Appearance/Intervenors:	Read & Stevens, Inc., / Permian Resources Operating, LLC Sandstone Properties, LLC Northern Oil and Gas, Inc.	
Well Family	Mighty Pheasant	
Formation/Pool		
Formation Name(s) or Vertical Extent:	Wolfcamp	
Primary Product (Oil or Gas):	Oil	
Pooling this vertical extent:	Wolfcamp	
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)	
Well Location Setback Rules:	Statewide Rules	
Spacing Unit		
Type (Horizontal/Vertical)	Horizontal	
Size (Acres)	320.06-acre, more or less	
Building Blocks:	Quarter-Quarter Sections (40 Acre Blocks)	
Orientation:	North to South	
Description: TRS/County	Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico	
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes, Standard Spacing Unit	
Other Situations		
Depth Severance: Y/N. If yes, description	No, N/A	
Proximity Tracts: If yes, description	No	
Proximity Defining Well: if yes, description	No	
Applicant's Ownership in Each Tract	See Exhibit A-2.3, breakdown of ownership	
Well(s)		
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status	Add wells as needed	

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Spacing Unit Schematic	Exhibit B-5, B-6, B-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-3, B-4
Well Orientation (with rationale)	Exhibit A-1, B-5, B-6, B-8
Target Formation	Exhibit B-3, B-4, B-6, B-7
HSU Cross Section	Exhibit B-3, B-4, B-6, B-7
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-1
Tracts	Exhibit A-2.3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-2.3
General Location Map (including basin)	Exhibit A-2.3
Well Bore Location Map	Exhibit A-1, B-2, B-3
Structure Contour Map - Subsea Depth	Exhibit B-5, B-6
Cross Section Location Map (including wells)	Exhibit B-3, B-4, B-6, B-7
Cross Section (including Landing Zone)	Exhibit B-3, B-4, B-6, B-7
Additional Information	
Special Provisions/Stipulations	
CERTIFICATION: I hereby certify that the information pro	ovided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Darin C. Savage
Signed Name (Attorney or Party Representative):	/s/ Darin Savage
Date:	2-Aug-23

Received by OCD: 8/2/2023 8:27:04 PM COMPULSORY POOLING APPLICATION CHECKLIST ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS Case: 23597 **APPLICANT'S RESPONSE** Date: AUGUST 9-10, 2023 (Scheduled hearing) **Applicant** Cimarex Energy Co. Designated Operator & OGRID (affiliation if applicable) 215099 Applicant's Counsel: Darin C. Savage, Abadie & Schill, P.C. Case Title: APPLICATION OF CIMAREX ENERGY CO., FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO Entries of Appearance/Intervenors: Read & Stevens, Inc., / Permian Resources Operating, LLC Sandstone Properties, LLC Northern Oil and Gas, Inc. Well Family Mighty Pheasant Formation/Pool Formation Name(s) or Vertical Extent: Wolfcamp Oil Primary Product (Oil or Gas): Wolfcamp Pooling this vertical extent: Pool Name and Pool Code: Tonto; Wolfcamp (59500) Well Location Setback Rules: Statewide Rules **Spacing Unit** Type (Horizontal/Vertical) Horizontal Size (Acres) 320.09-acre, more or less **Building Blocks:** Quarter-Quarter Sections (40 Acre Blocks) Orientation: North to South Description: TRS/County Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, **New Mexico** Standard Horizontal Well Spacing Unit (Y/N), If No, describe and Yes, Standard Spacing Unit is approval of non-standard unit requested in this application? **Other Situations** Depth Severance: Y/N. If yes, description No, N/A Proximity Tracts: If yes, description No Proximity Defining Well: if yes, description

See Exhibit A-2.4, breakdown of ownership

Applicant's Ownership in Each Tract

Well(s)

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Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status	Add wells as needed
(standard or non-standard)	
Well #1	Mighty Pheasant 5-8 Fed Com 304H Well (API No. 30-015-Pending), SHL: Unit O, 281' FSL, 1423' FEL, Section 32, T19S-R34E; BHL: Unit P, 100' FSL, 708' FEL, Section 8, T20S-R34E, NMPM; Lea County, New Mexico, standup, standard location
Horizontal Well First and Last Take Points	Mighty Pheasant 5-8 Fed Com 304H Well: FTP 100' FNL, 708' FEL, Section 5; LTP 100' FSL, 708' FWL, Section 8
Completion Target (Formation, TVD and MD)	Mighty Pheasant 5-8 Fed Com 304H Well: TVD approx. 10,840', TMD 21,040'; Bone Spring formation, See Exhibit A, A-1 & B-2
AFF Control of Control	
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8000, Exhibit A
Production Supervision/Month \$	\$800, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%, Exhibit A
Notice of Hearing	
Proposed Notice of Hearing	Exhibit E, E-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit E-2
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit E-3
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-2.4
Tract List (including lease numbers and owners)	Exhibit A-2.4
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to	
notice requirements.	N/A
Pooled Parties (including ownership type)	All uncommitted WI owners; including as shown on Exhibit A-2.4
Unlocatable Parties to be Pooled	Exhibit A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-3
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-2.4
Chronology of Contact with Non-Joined Working Interests	Exhibit A-4
Overhead Rates In Proposal Letter	Exhibit A-3
Cost Estimate to Drill and Complete	Exhibit A-3
Cost Estimate to Equip Well	Exhibit A-3
Cost Estimate for Production Facilities	Exhibit A-3
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Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-5, B-6, B-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-3, B-4,
Well Orientation (with rationale)	Exhibit A-1, B-5, B-6, B-8
Target Formation	Exhibit B-3, B-4, B-6, B-7
HSU Cross Section	Exhibit B-3, B-4, B-6, B-7
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-1
Tracts	Exhibit A-2.4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-2.4
General Location Map (including basin)	Exhibit A-2.4
Well Bore Location Map	Exhibit A-1, B-2, B-3
Structure Contour Map - Subsea Depth	Exhibit B-5, B-6
Cross Section Location Map (including wells)	Exhibit B-3, B-4, B-6, B-7
Cross Section (including Landing Zone)	Exhibit B-3, B-4, B-6, B-7
Additional Information	
Special Provisions/Stipulations	
CERTIFICATION: I hereby certify that the information pro	vided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Darin C. Savage
Signed Name (Attorney or Party Representative):	/s/ Darin Savage
Date:	2-Aug-23

Case: 23598	APPLICANT'S RESPONSE
Date: August 9-10, 2023 (Scheduled hearing)	
Applicant	Cimarex Energy Co.
Designated Operator & OGRID (affiliation if applicable)	215099
Applicant's Counsel:	Darin C. Savage, Abadie & Schill, P.C.
Case Title:	APPLICATION OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Permian Resources Operating, LLC Read & Stevens, Inc. Northern Oil and Gas, Inc. Sandstone Properties, LLC
Well Family	Loosey Goosey
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide Rules
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.21-acre, more or less
Building Blocks:	Quarter-Quarter Sections (40 Acre Blocks)
Orientation:	North to South
Description: TRS/County	Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes, Standard Spacing Unit
Other Situations	
Depth Severance: Y/N. If yes, description	No, N/A
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	No
Applicant's Ownership in Each Tract	See Exhibit A-2.5, breakdown of ownership

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Name & API (if assigned), surface and bottom hole location,	Add wells as needed
footages, completion target, orientation, completion status (standard or non-standard)	
Well #1	Loosey Goosey 4-9 Fed Com 301H Well (API No. 30-015-Pending), SHL: Unit N, 1189' FSL, 1464' FWL, Section 33, T19S-R34E; BHL: Unit M, 100' FSL, 706' FWL, Section 9, T20S-R34E, NMPM; Lea County, New Mexico, standup, standard location
Horizontal Well First and Last Take Points	Loosey Goosey 4-9 Fed Com 301H Well: FTP: 100' FNL, 706' FWL, Section 4; LTP: 100' FSL, 706' FWL, Section 9
Completion Target (Formation, TVD and MD)	Loosey Goosey 4-9 Fed Com 301H Well: TVD approx. 10,830', TMD 21,091'; Bone Spring formation, See Exhibit A, A-1
AFE Capex and Operating Costs	COOO Tubibit A
Drilling Supervision/Month \$	\$8000, Exhibit A
Production Supervision/Month \$	\$800, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%, Exhibit A
Notice of Hearing	
Proposed Notice of Hearing	Exhibit E, E-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit E-2
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit E-3
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-2.5
Tract List (including lease numbers and owners) If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit A-2.5 N/A
Pooled Parties (including ownership type)	All uncommitted WI owners; including as shown on Exhibit A-2.5
Unlocatable Parties to be Pooled	Exhibit A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-3
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-2.5
Chronology of Contact with Non-Joined Working Interests	Exhibit A-4
Overhead Rates In Proposal Letter	Exhibit A-3
Cost Estimate to Drill and Complete	Exhibit A-3
Cost Estimate to Equip Well	Exhibit A-3
Katenstert im that gong rockatoion That ilitigs AM	Exhibit A-3

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Geology		
Summary (including special considerations)	Exhibit B	
Spacing Unit Schematic	Exhibit B-5, B-6, B-8	
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-3, B-4,	
Well Orientation (with rationale)	Exhibit A-1, B-5, B-6, B-8	
Target Formation	Exhibit B-3, B-4, B-6, B-7	
HSU Cross Section	Exhibit B-3, B-4, B-6, B-7	
Depth Severance Discussion	N/A	
Forms, Figures and Tables		
C-102	Exhibit A-1	
Tracts	Exhibit A-2.5	
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-2.5	
General Location Map (including basin)	Exhibit A-2.5	
Well Bore Location Map	Exhibit A-1, B-2, B-3	
Structure Contour Map - Subsea Depth	Exhibit B-5, B-6, B-8	
Cross Section Location Map (including wells)	Exhibit B-3, B-4, B-6, B-7	
Cross Section (including Landing Zone)	Exhibit B-3, B-4, B-6, B-7	
Additional Information		
Special Provisions/Stipulations		
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.		
Printed Name (Attorney or Party Representative):	Darin C. Savage	
Signed Name (Attorney or Party Representative):	/s/ Darin Savage	
Date:	2-Aug-23	

Case: 23599	APPLICANT'S RESPONSE
Date: August 9-10, 2023 (Scheduled hearing)	
Applicant	Cimarex Energy Co.
Designated Operator & OGRID (affiliation if applicable)	215099
Applicant's Counsel:	Darin C. Savage, Abadie & Schill, P.C.
Case Title:	APPLICATION OF CIMAREX ENERGY CO., FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Permian Resources Operating, LLC Read & Stevens, Inc. Northern Oil and Gas, Inc. Sandstone Properties, LLC
Well Family	Loosey Goosey
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide Rules
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.44-acre, more or less
Building Blocks:	Quarter-Quarter Sections (40 Acre Blocks)
Orientation:	North to South
Description: TRS/County	Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes, Standard Spacing Unit
Other Situations	
Depth Severance: Y/N. If yes, description	No, N/A
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	No
Applicant's Ownership in Each Tract	See Exhibit A-2.5, breakdown of ownership
•	

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Name & API (if assigned), surface and bottom hole location,	Add wells as needed
footages, completion target, orientation, completion status	
(standard or non-standard) Well #1	Loosey Goosey 4-9 Fed Com 302H Well (API No. 30-015-Pending), SHL: Unit N, 1189' FSL, 1484' FWL, Section 33, T19S-R34E; BHL: Unit N, 100' FSL, 2120' FWL, Section 9, T20S-R34E, NMPM; Lea County, New Mexico, standup, standard location
Horizontal Well First and Last Take Points	Loosey Goosey 4-9 Fed Com 302H Well: FTP: 100' FNL, 2120' FWL, Section 4; LTP: 100' FSL, 2120' FWL, Section 9
Completion Target (Formation, TVD and MD)	Loosey Goosey 4-9 Fed Com 302H Well: TVD approx. 10,820', TMD 21,100'; Bone Spring formation, See Exhibit A, A-1
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8000, Exhibit A
Production Supervision/Month \$	\$800, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%, Exhibit A
Notice of Hearing	
Proposed Notice of Hearing	Exhibit E, E-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit E-2
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit E-3
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-2.6
Tract List (including lease numbers and owners) If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit A-2.6 N/A
Pooled Parties (including ownership type)	All uncommitted WI owners; including as shown on Exhibit A-2.6
Unlocatable Parties to be Pooled Ownership Depth Severance (including percentage above & below)	Exhibit A N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-3
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-2.6
Chronology of Contact with Non-Joined Working Interests	Exhibit A-4
Overhead Rates In Proposal Letter	Exhibit A-3
Cost Estimate to Drill and Complete	Exhibit A-3
Cost Estimate to Equip Well	Exhibit A-3
Released to Imaging: 8/3/2023 10:10:31 AM Cost Estimate for Production Facilities	Exhibit A-3

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Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-5, B-6, B-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-3, B-4,
Well Orientation (with rationale)	Exhibit A-1, B-5, B-6, B-8
Target Formation	Exhibit B-3, B-4, B-6, B-7
HSU Cross Section	Exhibit B-3, B-4, B-6, B-7
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-1
Tracts	Exhibit A-2.6
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-2.6
General Location Map (including basin)	Exhibit A-2.6
Well Bore Location Map	Exhibit A-1, B-2, B-3
Structure Contour Map - Subsea Depth	Exhibit B-5, B-6
Cross Section Location Map (including wells)	Exhibit B-3, B-4, B-6, B-7
Cross Section (including Landing Zone)	Exhibit B-3, B-4, B-6, B-7
Additional Information	
Special Provisions/Stipulations	
CERTIFICATION: I hereby certify that the information pro	ovided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Darin C. Savage
Signed Name (Attorney or Party Representative):	/s/ Darin Savage
Date:	2-Aug-23

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS	
Case: 23600	APPLICANT'S RESPONSE
Date: August 9-10, 2023 (Scheduled hearing)	
Applicant	Cimarex Energy Co.
Designated Operator & OGRID (affiliation if applicable)	215099
Applicant's Counsel:	Darin C. Savage, Abadie & Schill, P.C.
Case Title:	APPLICATION OF CIMAREX ENERGY CO., FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Permian Resources Operating, LLC Read & Stevens, Inc. Northern Oil and Gas, Inc. Sandstone Properties, LLC
Well Family	Loosey Goosey
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide Rules
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.66-acre, more or less
Building Blocks:	Quarter-Quarter Sections (40 Acre Blocks)
Orientation:	North to South
Description: TRS/County	Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes, Standard Spacing Unit
Other Situations	
Depth Severance: Y/N. If yes, description	No, N/A
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	No
Applicant's Ownership in Each Tract	See Exhibit A-2.7, breakdown of ownership
Released to Imaging: 8/3/2023 10:10:31 AM Well(s)	

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Name & API (if assigned), surface and bottom hole location,	Add wells as needed
footages, completion target, orientation, completion status	
(standard or non-standard) Well #1	Loosey Goosey 4-9 Fed Com 303H Well (API No. 30-015-Pending), SHL: Unit O, 194' FSL, 1448' FEL, Section 33, T19S-R34E; BHL: Unit O, 100' FSL, 1744' FEL, Section 9, T20S-R34E, NMPM; Lea County, New Mexico, standup, standard location
Horizontal Well First and Last Take Points	Loosey Goosey 4-9 Fed Com 303H Well: FTP: 100' FNL, 1744' FEL, Section 4; LTP: 100' FSL, 1744' FEL, Section 9
Completion Target (Formation, TVD and MD)	Loosey Goosey 4-9 Fed Com 303H Well: TVD approx. 10,810', TMD 20,966'; Bone Spring formation, See Exhibit A, A-1
AFE Capex and Operating Costs	1
Drilling Supervision/Month \$	\$8000, Exhibit A
Production Supervision/Month \$	\$800, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%, Exhibit A
Notice of Hearing	
Proposed Notice of Hearing	Exhibit E, E-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit E-2
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit E-3
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-2.7
Tract List (including lease numbers and owners) If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit A-2.7 N/A
Pooled Parties (including ownership type)	All uncommitted WI owners; including as shown on Exhibit A-2.7
Unlocatable Parties to be Pooled	Exhibit A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-3
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-2.7
	Exhibit A-4
[Chronology of Contact with Non-Joined Working Interests	1
Chronology of Contact with Non-Joined Working Interests Overhead Rates In Proposal Letter	Exhibit A-3
Overhead Rates In Proposal Letter Cost Estimate to Drill and Complete	Exhibit A-3 Exhibit A-3

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Cost Estimate for Production Facilities	Exhibit A-3
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-5, B-6, B-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-3, B-4,
Well Orientation (with rationale)	Exhibit A-1, B-5, B-6, B-8
Target Formation	Exhibit B-3, B-4, B-6, B-7
HSU Cross Section	Exhibit B-3, B-4, B-6, B-7
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-1
Tracts	Exhibit A-2.7
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-2.7
General Location Map (including basin)	Exhibit A-2.7
Well Bore Location Map	Exhibit A-1, B-2, B-3
Structure Contour Map - Subsea Depth	Exhibit B-5, B-6
Cross Section Location Map (including wells)	Exhibit B-3, B-4, B-6, B-7
Cross Section (including Landing Zone)	Exhibit B-3, B-4, B-6, B-7
Additional Information	
Special Provisions/Stipulations	
CERTIFICATION: I hereby certify that the information pro	vided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Darin C. Savage
Signed Name (Attorney or Party Representative):	/s/ Darin Savage
Date:	2-Aug-23

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS	
Case: 23601	APPLICANT'S RESPONSE
Date: August 9-10, 2023 (Scheduled hearing)	
Applicant	Cimarex Energy Co.
Designated Operator & OGRID (affiliation if applicable)	215099
Applicant's Counsel:	Darin C. Savage, Abadie & Schill, P.C.
Case Title:	APPLICATION OF CIMAREX ENERGY CO., FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO
Entries of Appearance/Intervenors:	Permian Resources Operating, LLC Read & Stevens, Inc. Northern Oil and Gas, Inc. Sandstone Properties, LLC
Well Family	Loosey Goosey
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Tonto; Wolfcamp (59500)
Well Location Setback Rules:	Statewide Rules
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320.89-acre, more or less
Building Blocks:	Quarter-Quarter Sections (40 Acre Blocks)
Orientation:	North to South
Description: TRS/County	Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes, Standard Spacing Unit
Other Situations	
Depth Severance: Y/N. If yes, description	No, N/A
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	No
Applicant's Ownership in Each Tract	See Exhibit A-2.8, breakdown of ownership
Well(s) Released to Imaging: 8/3/2023 10:10:31 AM	

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Name & API (if assigned), surface and bottom hole location,	Add wells as needed
footages, completion target, orientation, completion status (standard or non-standard)	
Well #1	Loosey Goosey 4-9 Fed Com 304H Well (API No. 30-015-Pending), SHL: Unit O, 194' FSL, 1408' FEL, Section 33, T19S-R34E; BHL: Unit P, 100' FSL, 330' FEL, Section 9, T20S-R34E, NMPM; Lea County, New Mexico, standup, standard location
Horizontal Well First and Last Take Points	Loosey Goosey 4-9 Fed Com 304H Well: FTP: 100' FNL, 330' FEL, Section 4; LTP: 100' FSL, 330' FEL, Section 9
Completion Target (Formation, TVD and MD)	Loosey Goosey 4-9 Fed Com 304H Well: TVD approx. 10,800', TMD 21,075'; Bone Spring formation, See Exhibit A, A-1
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8000, Exhibit A
Production Supervision/Month \$	\$800, Exhibit A
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%, Exhibit A
Notice of Hearing	
Proposed Notice of Hearing	Exhibit E, E-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit E-2
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit E-3
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-2.8
Tract List (including lease numbers and owners)	Exhibit A-2.8
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	N/A
Pooled Parties (including ownership type)	All uncommitted WI owners; including as shown on Exhibit A-2
Unlocatable Parties to be Pooled	Exhibit A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-3
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-2.8
Chronology of Contact with Non-Joined Working Interests	Exhibit A-4
Overhead Rates In Proposal Letter	Exhibit A-3
Cost Estimate to Drill and Complete	Exhibit A-3
Cost Estimate to Equip Well	Exhibit A-3
KedetisEst ion Bharfong?rockAzbizin Fibalikit3asAM	Exhibit A-3

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Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-5, B-6, B-8
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-3, B-4,
Well Orientation (with rationale)	Exhibit A-1, B-5, B-6, B-8
Target Formation	Exhibit B-3, B-4, B-6, B-7
HSU Cross Section	Exhibit B-3, B-4, B-6, B-7
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-1
Tracts	Exhibit A-2.8
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-2.8
General Location Map (including basin)	Exhibit A-2.8
Well Bore Location Map	Exhibit A-1, B-2, B-3
Structure Contour Map - Subsea Depth	Exhibit B-5, B-6
Cross Section Location Map (including wells)	Exhibit B-3, B-4, B-6, B-7
Cross Section (including Landing Zone)	Exhibit B-3, B-4, B-6, B-7
Additional Information	
Special Provisions/Stipulations	
CERTIFICATION: I hereby certify that the information pro-	vided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Darin C. Savage
Signed Name (Attorney or Party Representative):	/s/ Darin Savage
Date:	2-Aug-23

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

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23594 - 23601

AMENDED PREHEARING STATEMENT

Cimarex Energy Co., ("Cimarex"), OGRID No. 215099, through its undersigned attorneys, submits the following Amended Prehearing Statement pursuant to the rules of the Oil Conservation Division ("Division") for the above referenced Cases which are consolidated with the Case Nos. 23452-23455, and 23508 – 23523 for a contested hearing pursuant to that certain "Further Amended Pre-Hearing Order" issued on June 8, 2023. This Prehearing Statement describes the status of Cimarex's Case Nos. 23594 - 23601, which were originally filed in response to Read & Stevens, Inc., in association with Permian Resources Operating, LLC (collectively referred to herein as "Permian Resources") proposing to pool the Wolfcamp formation underlying Sections 5 and 8, and Sections 4 and 9, in Township 20 South, Range 34 East, NMPM, Lea County ("Subject Lands") in Case Nos. 23512-23515 and 23520 – 23523.

APPEARANCES

APPLICANT ATTORNEY

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COMPETING PARTY

Read & Stevens, Inc., in association with Permian Resources Operating, LLC

Michael H. Feldewert Adam G. Rankin Julia Broggi Paula M. Vance Holland & Hart LLP Post Office Box 2208 Santa Fe, NM 87504 505-988-4421

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APPLICANT'S STATEMENT OF THE CASES

Cimarex provides this Prehearing Statement to inform the Division of the current status of Case Nos. 23594, 23595, 23596 and 23597. A little more than a month after Cimarex filed its applications to develop and pool the Bone Spring formation in the Subject Lands, Permian Resources not only filed applications for the Bone Spring but also filed applications for drilling and pooling the Wolfcamp formation in the Subject Lands in Case Nos. 23512-23515 and 23520 – 23523, and proposed to drill wells in the Upper Wolfcamp of the Subject Lands despite the fact that, based on the geological and reservoir data, those wells would drain the 3rd Bone Spring Sand and would likely result in permanent damage to the target reservoir located in the Bone Spring where the target reservoir is located.

Permian Resources' decision to propose to develop the Upper Wolfcamp created a dilemma for Cimarex. On the one hand, Cimarex understood, based on clear geological and reservoir data, that the Upper Wolfcamp should not be developed in the Subject Lands but, on the other hand, Cimarex understood that once Permian Resources filed its application to pool the Upper Wolfcamp, Cimarex needed to provide a counter proposal that would oppose Permian Resources' Upper Wolfcamp applications.

Consequently, Cimarex drafted competing pooling applications for the Wolfcamp in which it explained that the best way to develop the target reservoir is by drilling wells in the 3rd Bone Springs Sands, the same wells proposed by Cimarex's Bone Spring applications and prohibit the drilling of wells in Upper Wolfcamp to prevent drainage from and damage to the target reservoir. Cimarex filed its Wolfcamp applications in Case Nos. 23594 – 23601, in which it dedicated the Wolfcamp units exclusively to wells drilled in the 3rd Bone Spring Sands, and not in the Upper Wolfcamp, in order preserve the Upper Wolfcamp from being drilled and thereby protect the 3rd Bone Spring Sand from drainage and damage.

After a thorough evaluation of prospects for the Wolfcamp formation, Cimarex provides the Division with two options for considering the role the Wolfcamp formation should plan in Case Nos. 23594 – 23601. In its **Option 1**, Cimarex proposes to develop the common source of supply in the Subject Lands in the same manner as Operators in the Area of Interest have overwhelmingly and successfully developed it, including Permian Resources who has used this same approach to develop the common source of supply in 10 of its 11 pooling applications in the Area of Interest; that is, to pool and drill the Bone Spring formation, with particular focus on the Third Bone Spring.

Cimarex asks the Division that if it takes Option 1 into consideration, that it also concurrently take into consideration Cimarex's "Amended Motion for an Order to Prohibit the Drilling of Wells in the Upper Wolfcamp to Protect Correlative Rights and Optimize Production of the Subject Lands," ("Amended Motion") submitted to the Division on July 28, 2023, which would complement Cimarex's development of the Bone Spring formation.

In its **Option 2**, Cimarex proposes to pool the Wolfcamp formation and thereby produce the Wolfcamp by dedicating its Third Bone Spring wells to its production. Since the Third Bone Spring wells are ideally positioned to produce the single reservoir as the common source of supply as it relates to the prolific reserves of the Bone Spring formation as well as to any smaller percentage of oil and gas that could be captured in the Wolfcamp formation, once Cimarex's Third Bone Spring wells are dedicated to the Wolfcamp units and the Wolfcamp units pooled, Cimarex will be able to produce the Wolfcamp formation at significantly lower costs than Permian Resources' plan by avoiding the drilling of unnecessary wells, thereby, preventing waste and providing a meaningful and measurable protection of correlative rights.

APPLICANT'S PROPOSED EVIDENCE AND WITNESS QUALIFICATIONS

WITNESS ESTIMATED TIME EXHIBITS

Landman: John Coffman Approx. 45 min Approx. 11

Qualifications: I graduated in 2018 from Texas Tech University with a Bachelor's degree in Business Administration with an emphasis on Energy Commerce. I have worked at Cimarex and Coterra Energy Inc. ("Coterra") for approximately 4 years, and I have been working in New Mexico for 4 years. (I was originally employed by Cimarex. Since October 1, 2021, when Cimarex merged with Cabot Oil & Gas Corporation to form Coterra, I have been an employee of Coterra.) My credentials as an expert witness in petroleum land matters have been accepted by the Division and made a matter of record.

Geologist: Staci Meuller Approx. 45 min Approx. 21

Qualifications: I have a Bachelor of Science Degree in Geophysical Engineering from Colorado School of Mines, and a Master of Science Degree in Geophysics from Colorado School of Mines. I have worked on New Mexico Oil and Gas matters since July 2018. My credentials as an expert witness in geology have been accepted by the Division and made a matter of record.

Reservoir Engineer: Eddie Behm Approx. 45 minutes Approx. 23 Qualifications: I attended the University of Tulsa and graduated with a Bachelor of Science in Petroleum Engineering in 2011. I have worked for Occidental, California Resources prior to working for Cimarex and have been employed as a Production and Reservoir Engineer for Cimarex and Coterra (as of October 1, 2021) for the last 6 years, working in the Delaware Basin with a primary focus on Lea County, New Mexico. I have previously testified before the Division as an expert in Reservoir Engineering, and my credentials have been accepted of record.

Facilities Engineer: Calvin Boyle Approx. 15 min Approx. 2 Qualifications: I attended the University of Oklahoma and graduated with a Bachelor of Science in Petroleum Engineering in 2016 followed by Oklahoma State University where I graduated with a Master of Business Administration in 2018. I worked for Halliburton prior to working for Cimarex and have been employed as a Field, Production, and Facilities engineer for Cimarex and Coterra (as of October 1, 2021) for the last 4 years, working in the Delaware Basin with a primary focus on Lea County, New Mexico. I am familiar with the subject applications filed in the above-referenced Cases and the facilities proposed by Cimarex involved. I have not testified previously before the Division and am providing a one-page resume.

LIST OF MATERIAL FACTS NOT IN DISPUTE

Parties are in general agreement that the Bone Spring formation underlying the Subject

Lands would be productive if drilled and developed and should be developed; however, there is

disagreement about whether the Upper Wolfcamp should be drilled and developed simultaneously
with the Bone Spring.

LIST OF DISPUTED FACTS AND ISSUES

The central issue in Cimarex's Case Nos. 23594 - 23601 and Permian Resources' competing Case Nos. 23512 – 23515 and 23520 - 23523 is whether the Upper Wolfcamp should be drilled and developed (Cimarex asserts that the drilling of the Upper Wolfcamp would result in waste and harm to correlative rights and to the target reservoir, and therefore the Upper Wolfcamp should not be drilled; while Permian Resources proposes to drill the Upper Wolfcamp). In its Option 1, as an alternative to drilling the Upper Wolfcamp, Cimarex has filed a Motion to establish a protective buffer zone in the Upper Wolfcamp to prevent it from being drilled. In its Option 2, also as an alternative to drilling the Upper Wolfcamp, Cimarex has proposed to pool the Wolfcamp and dedicate its Third Bone Spring wells in the Subject Lands to pooled units; in this way, because of the pooling and spacing, any amounts drained from the Wolfcamp would be classified as production without having to drill the Upper Woflcamp. It is the unique geology of the Subject Lands, its it single reservoir as the common source of supply that makes this possible.

PROCEDURAL MATTERS

For Cimarex's Case Nos. 23594 – 23601 and Permian Resources' Case Nos. 23512 – 23515 and 23520 – 23523, Cimarex requests that the Division consider its Option 1 and Option 2 proposals as options in the alternative such that, if Cimarex's development plan is selected, the Division apply

either Option 1 or Option 2 for optimal production, prevention of waste, the protection of correlative rights, and the avoidance of drilling unnecessary wells.

Respectfully submitted,

ABADIE & SCHILL, PC

/s/ Darin C. Savage

Darin C. Savage

Andrew D. Schill William E. Zimsky 214 McKenzie Street Santa Fe, New Mexico 87501 Telephone: 970.385.4401 Facsimile: 970.385.4901 darin@abadieschill.com andrew@abadieschill.com bill@abadieschill.com

Attorneys for Cimarex Energy Co.

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing was filed with the New Mexico Oil Conservation Division and was served on counsel of record via electronic mail on August 2, 2023:

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Attorneys for Sandstone Properties, LLC

/s/ Darin C. Savage

Darin C. Savage

TAB 2

Case Nos. 23594-23601

Self-Affirmed Statement of John Coffman Landman Exhibit A:

Exhibit A-1: C-102 Forms

Exhibit A-2.1: Ownership and Sectional Map

Exhibit A-2.2: Ownership and Sectional Map

Exhibit A-2.3: Ownership and Sectional Map

Exhibit A-2.4: Ownership and Sectional Map

Exhibit A-2.5: Ownership and Sectional Map

Exhibit A-2.6: Ownership and Sectional Map

Exhibit A-2.7: Ownership and Sectional Map

Exhibit A-2.8: Ownership and Sectional Map

Exhibit A-3: Well Proposal Letters and AFEs

Exhibit A-4: Chronology of Contacts with Uncommitted Owners

Exhibit A-5: Support Letters from Interest Owners

Costs Between Development Exhibit A-6:

Exhibit A-7: Ownership Support for Cimarex

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

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23594 – 23601

SELF-AFFIRMED STATEMENT OF JOHN COFFMAN

I, being duly sworn on oath, state the following:

- 1. I am over the age of eighteen years and have the capacity to execute this Self-Affirmed Statement, which is based on my personal knowledge.
- 2. I am employed as a Landman with Coterra Energy, Inc., and its subsidiary Cimarex Energy Co. ("Cimarex"), the applicant in this case, and I am familiar with the subject application and the lands involved.
- 3. I graduated in 2018 from Texas Tech University with a bachelor's degree in Business Administration with an emphasis on Energy Commerce. I have worked at Cimarex for approximately 4 years, and I have been working in New Mexico for 5 years. My credentials as an expert witness in petroleum land matters have been accepted by the New Mexico Oil Conservation Division ("Division") and made a matter of record.
- 4. This Statement is submitted in connection with the filing by Cimarex of the above-referenced compulsory pooling applications pursuant to 19.15.4.12.A(1).
- 5. This Land Statement that I am providing in this Hearing Packet IV addresses and explains Cimarex's Option 2, which proposes an alternative to Option 1, and offers an approach by which Cimarex would pool the Wolfcamp formation as a means to protect the reservoir and



common source of supply from unnecessary drilling and capture as production within the pooled unit any oil and gas that would come from the Wolfcamp formation.

- 6. In this Statement, I provide the Division with the details for how Cimarex would develop its Option 2, as fully described in its "Brief Providing the Basis for Evaluating a Single Reservoir Situated in the Third Sand of the Bone Spring Formation in an Area that Lacks a Baffle Separating it from the Underlying Wolfcamp Formation" ("Cimarex's Brief") submitted to the Division on July 26, 2023. Cimarex provides Option 2 should the Division find that Cimarex's development plan pursuant to this Option is the best plan to for the prevention of waste, protection of correlative rights, and the avoidance of drilling unnecessary wells.
- 7. I submit that Cimarex's development plan, pursuant to both Option 1 and Option 2, as described in its Brief, by far surpasses the plan proposed by Read & Stevens, Inc., in association with Permian Resources Operating, LLC (collectively "Permian Resources") for the prevention of waste, protection of correlative rights, and the avoidance of drilling unnecessary wells. This Statement and related Exhibits focus on Cimarex's Option 2. Our geology and engineering testimony and exhibits, as you will see, demonstrate that Cimarex selected the proper balance and number of wells in the Third Bone Spring for producing the Wolfcamp formation pursuant to Cimarex's Option 2. Cimarex's carefully tailored and balanced approach, with its 8 wells in the Third Bone Spring, avoids over-spacing the Bone Spring formation. Permian Resources, by contrast, proposes to drill 16 wells in the Third Bone Spring, resulting in an extra 8 unnecessary wells for the Third Bone Spring, creating substantial extra costs, which Cimarex's plan avoids, and Cimarex also avoids an additional 8 unnecessary wells that Permian Resources proposes to drill into Wolfcamp formation at an extra cost of \$95 million dollars. Thus, the cost of Permian Resources' development plan overall is approximately a quarter of a billion dollars

MORE than Cimarex's development plan. See, for example, our **Exhibit A-6** which as a table showing the cost differences between the plans.

- 8. Usually competing plans for the same Subject Lands, if they vary in costs, will vary by only about 15 to 20 percent, but in these contested cases Permian Resources' plan costs an astounding 52 percent more than Cimarex's plan, and when owners are subjected such astronomical costs, it is clearly impossible to protect, much less maintain, correlative rights and prevent waste. Excessive waste and the sabotage of owners' correlative rights are woven into the very fabric of the plan proposed by Permian Resources. The major differences between the plans arise from the Applicants' different views about the nature of the Subject Lands, the nature their geology, and what is needed to meet the engineering challenges to drill the wells, as will be illustrated by the contested hearing.
- 9. Thus, pursuant to Cimarex's Option 2, the above-referenced cases (Case Nos. 23594 23601) all seek to pool the Wolfcamp formation underlying Sections 4 and 9 for Cimarex's Loosey Goosey wells, and underlying Sections 5 and 8 for Cimarex's Mighty Pheasant wells, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico ("Subject Lands"). Because there is a single reservoir creating a common source of supply primarily within the Third Bone Spring formation, as clearly shown in our geology and geology exhibits, but also potentially including a certain smaller percentage of the Wolfcamp, Cimarex will also dedicate its Third Bone Spring wells to the Wolfcamp units proposed herein.
- 10. Since the Third Bone Spring wells are ideally positioned to produce the single reservoir as the common source of supply as it relates to the prolific reserves of the Bone Spring formation as well as to any smaller percentage of oil and gas that could be captured in the Wolfcamp formation, once Cimarex's Third Bone Spring wells are dedicated to the Wolfcamp

units and the Wolfcamp units pooled, Cimarex will be able to produce the Wolfcamp formation at significantly lower costs than Permian Resources' plan by avoiding the drilling of unnecessary wells, thereby, preventing waste and providing a meaningful and measurable protection of correlative rights.

- 11. The single reservoir that constitutes the common source of supply of the Subject Lands is situated primarily in the Third Bone Spring which has a pool designation of Teas; Bone Spring, East [Pool Code 96637], however, as pointed out in Cimarex's Brief, a certain smaller percentage of oil and gas would be drained from the Wolfcamp formation, and the Wolfcamp formation currently has a designated pool name of Tonto; Wolfcamp pool [Pool Code 59500], which would cover any capture of oil and gas from the Wolfcamp formation; thus, Cimarex's development plan under its Option 2 would account for any production from the Wolfcamp pool within the Tonto; Wolfcamp pool.
- 12. In comparison, Permian Resources plans to drill, to the tune of an extra \$95 million, additional wells in the Wolfcamp formation which target and produce from the same common source of supply that Cimarex's Third Bone Spring fully produces. Cimarex avoids this drilling of unnecessary wells with the following cases:

CIMAREX'S MIGHTY PHEASANT WELLS: SECTIONS 5 AND 8

13. Under <u>Case No. 23594</u>, Cimarex seeks an order pooling all uncommitted mineral interest in the Wolfcamp formation, more specifically, the Tonto; Wolfcamp pool [Pool Code 59500]), designated as an oil pool, underlying a standard 320.01-acre, more or less, spacing and proration unit comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4 and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Cimarex intends to dedicate to the unit the **Mighty Pheasant 5-8 Fed Com**

301H Well, which once dedicated will be able to produce the Wolfcamp formation more efficiently and productively, without having to drill unnecessary wells, and at a substantial magnitude of lower costs than Permian Resources' plan for drilling the Wolfcamp.

- 14. Cimarex proposes the **Mighty Pheasant 5-8 Fed Com 301H Well** (API pending) to be horizontally drilled from a surface location 483' FNL and 1272' FWL of Section 5, Township 20 South, Range 34 East, to a bottom hole location 100' FSL and 330' FWL of Section 8 Township 20 South, Range 34 East; approximate TVD of 10,870'; approximate TMD of 21,057'; FTP in Section 5: 100' FNL, 330' FWL; LTP in Section 8: 100' FSL, 330' FWL.
- 15. Under <u>Case No. 23595</u>, Cimarex seeks an order pooling all uncommitted mineral interest in the Wolfcamp formation, more specifically, the Tonto; Wolfcamp pool [Pool Code 59500]), designated as an oil pool, underlying a standard 320.04-acre, more or less, spacing and proration unit comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4 and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Cimarex intends to dedicate to the unit the **Mighty Pheasant 5-8 Fed Com 302H Well**, which once dedicated will be able to produce the Wolfcamp formation more efficiently and productively, without having to drill unnecessary wells, and at a substantial magnitude of lower costs than Permian Resources' plan for drilling the Wolfcamp.
- 16. Cimarex proposes the **Mighty Pheasant 5-8 Fed Com 302H Well** (API pending) to be horizontally drilled from a surface location 484' FNL and 1312' FWL of Section 5 Township 20 South, Range 34 East, to a bottom hole location in the 100' FSL and 1744' FWL of Section 8, Township 20 South, Range 34 East; with an approximate TVD of 10,860'; approximate TMD of 20,992'; FTP in Section 5: 100' FNL, 1,744' FWL; LTP in Section 8: 100' FSL, 1,744' FWL.

- 17. Under <u>Case No. 23596</u>, Cimarex seeks an order pooling all uncommitted mineral interest in the Wolfcamp formation, more specifically, the Tonto; Wolfcamp pool [Pool Code 59500]), designated as an oil pool, underlying a standard 320.06-acre, more or less, spacing and proration unit comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4 and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Cimarex intends to dedicate to the unit the **Mighty Pheasant 5-8 Fed Com 303H Well,** which once dedicated will be able to produce the Wolfcamp formation more efficiently and productively, without having to drill unnecessary wells, and at a substantial magnitude of lower costs than Permian Resources' plan for drilling the Wolfcamp.
- 18. Cimarex proposes the **Mighty Pheasant 5-8 Fed Com 303H Well** (API pending) to be horizontally drilled from a surface location 281' FSL and 1463' FEL of Section 5, to a bottom hole location 100' FSL and 2122' FEL of Section 8; approximate TVD of 10,860'; approximate TMD of 21,019'; FTP in Section 5: 100' FNL, 2,122' FEL; LTP in Section 8: 100' FSL, 2,122' FEL.
- 19. Under <u>Case No. 23597</u>, Cimarex seeks an order pooling all uncommitted mineral interest in the Wolfcamp formation, more specifically, the Tonto; Wolfcamp pool [Pool Code 59500]), designated as an oil pool, underlying a standard 320.09-acre, more or less, spacing and proration unit comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4 and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Cimarex intends to dedicate to the unit the **Mighty Pheasant 5-8 Fed Com 304H**Well, which once dedicated will be able to produce the Wolfcamp formation more efficiently and productively, without having to drill unnecessary wells, and at a substantial magnitude of lower costs than Permian Resources' plan for drilling the Wolfcamp.

20. Cimarex proposes the **Mighty Pheasant 5-8 Fed Com 304H Well** (API pending) to be horizontally drilled from a surface location 281' FSL and 1423' FEL of Section 32 to a bottom hole location 100' FSL and 708' FEL of Section 8; approximate TVD of 10,840'; approximate TMD of 21,040'; FTP in Section 5: 100' FNL, 708' FEL; LTP in Section 8: 100' FSL, 708' FWL.

<u>CIMAREX'S LOOSEY GOOSEY WELLS: SECTIONS 4 AND 9</u>

- 21. Under <u>Case No. 23598</u>, Cimarex seeks an order pooling all uncommitted mineral interest in the Wolfcamp formation, more specifically, the Tonto; Wolfcamp pool [Pool Code 59500]), designated as an oil pool, underlying a standard 320.21-acre, more or less, spacing and proration unit comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4 and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Cimarex intends to dedicate to the unit the **Loosey Goosey 4-9 Fed Com 301H Well**, which once dedicated will be able to produce the Wolfcamp formation more efficiently and productively, without having to drill unnecessary wells, and at a substantial magnitude of lower costs than Permian Resources' plan for drilling the Wolfcamp.
- 22. Cimarex proposes the **Loosey Goosey 4-9 Fed Com 301H Well** (API pending) to be horizontally drilled from a surface location 1189' FSL and 1464' FWL of Section 33, Township 19 South, Range 34 East, NMPM, to a bottom hole location 100' FSL and 706' FWL of Section 9 Township 20 South, Range 34 East, NMPM; approximate TVD of 10,830'; approximate TMD of 21,091'; FTP in Section 4: 100' FNL, 706' FWL; LTP in Section 9: 100' FSL, 706' FWL.
- 23. Under <u>Case No. 23599</u>, Cimarex seeks an order pooling all uncommitted mineral interest in the Wolfcamp formation, more specifically, the Tonto; Wolfcamp pool [Pool Code 59500]), designated as an oil pool,, underlying a standard 320.44-acre, more or less, spacing and

proration unit comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4 and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Cimarex intends to dedicate to the unit the **Loosey Goosey 4-9 Fed Com 302H Well**, which once dedicated will be able to produce the Wolfcamp formation more efficiently and productively, without having to drill unnecessary wells, and at a substantial magnitude of lower costs than Permian Resources' plan for drilling the Wolfcamp.

- 24. Cimarex proposes the **Loosey Goosey 4-9 Fed Com 302H Well** (API pending) to be horizontally drilled from a surface location 1189' FSL and 1484' FWL of Section 33 Township 19 South, Range 34 East, NMPM, to a bottom hole location in the 100' FSL and 2120' FWL of Section 9, Township 20 South, Range 34 East; with an approximate TVD of 10,820'; approximate TMD of 21,100'; FTP in Section 4: 100' FNL, 2,120' FWL; LTP in Section 9: 100' FSL, 2,120' FWL.
- 25. Under <u>Case No. 23600</u>, Cimarex seeks an order pooling all uncommitted mineral interest in the Wolfcamp formation, more specifically, the Tonto; Wolfcamp pool [Pool Code 59500]), designated as an oil pool, underlying a standard 320.66-acre, more or less, spacing and proration unit comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4 and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Cimarex intends to dedicate to the unit the **Loosey Goosey 4-9 Fed Com 303H Well,** which once dedicated will be able to produce the Wolfcamp formation more efficiently and productively, without having to drill unnecessary wells, and at a substantial magnitude of lower costs than Permian Resources' plan for drilling the Wolfcamp.
- 26. Cimarex proposes the **Loosey Goosey 4-9 Fed Com 303H Well** (API pending) to be horizontally drilled from a surface location 194' FSL and 1448' FEL of Section 33, Township

- 19 South, Range 34 East, NMPM, to a bottom hole location 100' FSL and 1,744' FEL of Section 9; approximate TVD of 10,810'; approximate TMD of 20,966'; FTP in Section 4: 100' FNL, 1,744' FEL; LTP in Section 9: 100' FSL, 1,744' FEL.
- 27. Under <u>Case No. 23601</u>, Cimarex seeks an order pooling all uncommitted mineral interest in the Wolfcamp formation, more specifically, the Tonto; Wolfcamp pool [Pool Code 59500]), designated as an oil pool, underlying a standard 320.89-acre, more or less, spacing and proration unit comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Cimarex intends to dedicate to the unit as an initial well the **Loosey Goosey 4-9 Fed**Com 304H Well, which once dedicated will be able to produce the Wolfcamp formation more efficiently and productively, without having to drill unnecessary wells, and at a substantial magnitude of lower costs than Permian Resources' plan for drilling the Wolfcamp.
- 28. Cimarex proposes the **Loosey Goosey 4-9 Fed Com 304H Well** (API pending) to be horizontally drilled from a surface location 194' FSL and 1408' FEL of Section 33 to a bottom hole location 100' FSL and 330' FEL of Section 9; approximate TVD of 10,800'; approximate TMD of 21,075'; FTP in Section 4: 100' FNL, 330' FEL; LTP in Section 9: 100' FSL, 330' FEL.
 - 29. The proposed C-102 for each well is attached as **Exhibit A-1**.
- 30. A general location plat and a plat outlining the units being pooled is attached hereto as **Exhibit A-2.1** through **Exhibit A-2.8**, which show the location of the proposed wells within the units. The location of each well is orthodox, and it meets the Division's offset requirements.
- 31. The parties being pooled in the Wolfcamp formation, the nature of their interests, and their last known addresses are listed in **Exhibit A-2.1** through **Exhibit A-2.8** attached hereto. These Exhibits include information regarding working interest owners.

- 32. Cimarex has strong support of WI owners acreage in the Wolfcamp formation. This Landman Statement, as part of Hearing Packet IV, focuses on Cimarex's Mighty Pheasant wells for the Wolfcamp units underlying Sections 5 and 8 of the Subject Lands and on Cimarex's Loosey Goosey wells for the Wolfcamp formation underlying Sections 4 and 9 of the Subject Lands. **Exhibit A-7** provides a table showing which owners and their acreage support Cimarex, referred to in the chart as CTRA, and which support Permian Resources, referred to in table as PR. The tabulated comparison shows strong overall support for Cimarex.
- 33. There are no depth severances in the Wolfcamp formation in this acreage in the Subject Lands. Cimarex's review of the lands shows no overlapping units.
- 34. Cimarex operates around 15,000 acres and operate ~50 wellbores in the immediate vicinity in Township 19 South, Ranges 33 and 34 East, in Lea County. I believe that Cimarex is a top-tier operator especially regarding the knowledge it takes to drill in this area. We have been able to come to agreements with multiple owners in the area to effectively and efficiently develop a large portion of this area.
- 35. I provided the law firm of Abadie & Schill P.C. a list of names and addresses for the uncommitted working interest owners shown on Exhibits A-2.1 through A-2.8. In compiling these addresses, I conducted a diligent search of the public records in Lea County, New Mexico, where the wells are located, and of phone directories and did computer searches to locate the contact information for parties entitled to notification. All working interest owners were locatable and noticed except Diamond Star Production Co., LLC, which was returned as undeliverable, and there were approximately 5 letters that are still in transit. Cimarex published notice in the Hobbs News-Sun, a newspaper of general circulation in Lea County, New Mexico, to account for any unlocatable parties and cover any contingencies regarding notice.

- 36. Cimarex provided notice to WI owners in the Wolfcamp formation in Sections 5 and 8, and Sections 4 and 9, of the Subject Lands, which it considers to be the necessary parties who have a right to notice. Cimarex considers the Overriding Royalty Interest ("ORRI") owners no be non-participatory royalty owners subject to the pooling clauses present in the assignment instruments and the leases, and therefore it is the applicant's option to provide notice to them and pool them as part of the pooling proceeding, or to address the ORRI owners separately outside the pooling process.
- 37. Cimarex has made a good faith effort to negotiate with the interest owners, but has been unable to obtain, voluntary agreement from all interest owners to participate in the drilling of the well or in the commitment of their interests to the well for its development within the proposed horizontal spacing unit. **Exhibits A-4** provides a chronology and history of contacts with the owners. Prior to the acquisition by Permian Resources of Read & Stevens, Cimarex had made good faith efforts to communicate and get a plan of development in place for these four sections. No meetings with Read & Stevens had ever come to fruition. Cimarex's full history with Read & Stevens is provided in Paragraphs 24 through 32 of my Landman Statement contained in Hearing Packet I (covering Cases 23448 23451).
- 38. I have personally worked for over 2 years and Cimarex has worked for over 4 years to get to a resolution so that this acreage can be developed. The majority of the working interest owners in these sections are excited for development and have been long awaiting a return on their investment. Cimarex has constantly been trying to obtain term assignments, vetting out trades with other working interest owners, and has made offers to purchase in this area. We believe in this area and have shown our earnestness in development for years. Cimarex was the first operator to do the groundwork and file applications for the Subject Lands, filing well before Read & Stevens.

- 39. The interest owners being pooled have been contacted regarding the proposed wells but have failed or refused to voluntarily commit their interest in the wells. However, Cimarex has been in ongoing discussions with some of the interest owners to voluntarily enter into a Joint Operating Agreement. If a mutually agreeable Joint Operating Agreement is reached between Cimarex and another interest owner or owners, Cimarex requests that the voluntary agreement become operative and supersede the Division's order for said parties, except to the extent the Division deems it necessary to maintain spacing criteria for the purpose of conservation, the prevention of waste, and protection of correlative rights.
- 40. For any unleased open acreage being pooled, Cimarex requests that the acreage be pooled pursuant to statutory one-eighth (1/8) royalty.
- 41. **Exhibit A-3** is a sample proposal letter and the AFEs for each proposed well. The estimated cost of the wells set forth in the AFEs is fair, reasonable, and comparable to the costs of other wells of similar depths and lengths drilled in this area of New Mexico.
- A2. Not including the Wolfcamp development proposed by Permian Resources, Cimarex's full development of the acreage is far, far less expensive to develop the 1st, 2nd and 3rd Bone Spring formations. Permian not only proposes to over-drill the Subject Lands, but it will incur unnecessary costs that will substantially burden smaller working interest owners. Working interest owners should get the best wells at the most economic prices, and we feel that our development provides the most efficient and cost-saving plan. See **Exhibit A-5** which provides letters of support from working interest owners in the units who support Cimarex's development plan, based on excellent prior experiences working with Cimarex as an operator.
- 43. Cimarex requests overhead and administrative rates of \$8000/month for drilling each well and \$800/month for producing each 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. Cimarex requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

- 44. Cimarex requests the maximum cost, plus 200% risk charge be assessed against non-consenting working interest owners.
 - 45. Cimarex requests that it be designated operator of the units and wells.
- 46. The Exhibits to this Self-Affirmed Statement were prepared by me or compiled from Cimarex's company business records under my direct supervision.
- 47. The granting of this Application is in the best interests of conservation, the prevention of waste, and the protection of correlative rights, and will avoid the drilling of unnecessary wells. Due to Cimarex's operational footprint and expertise in the area, we are able to utilize our drilling efficiencies, relationships with working interest owners, and third-party takeaway to cost-effectively develop this acreage. We understand the geology of this area and do not need to over-drill the Subject Lands in order to fully develop the acreage.
 - 48. The foregoing is correct and complete to the best of my knowledge and belief.

[Signature page follows]

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Signature page of Self-Affirmed Statement of John Coffman:

I understand that this Self-Affirmed Statement will be used as written testimony before the Division in Case Nos. 23594 – 23601 and affirm that my testimony herein is true and correct, to the best of my knowledge and belief and made under penalty of perjury under the laws of the State of New Mexico.

John Coffman

Date Signed

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

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

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WELL LOCATION AND ACREAGE DEDICATION PLAT

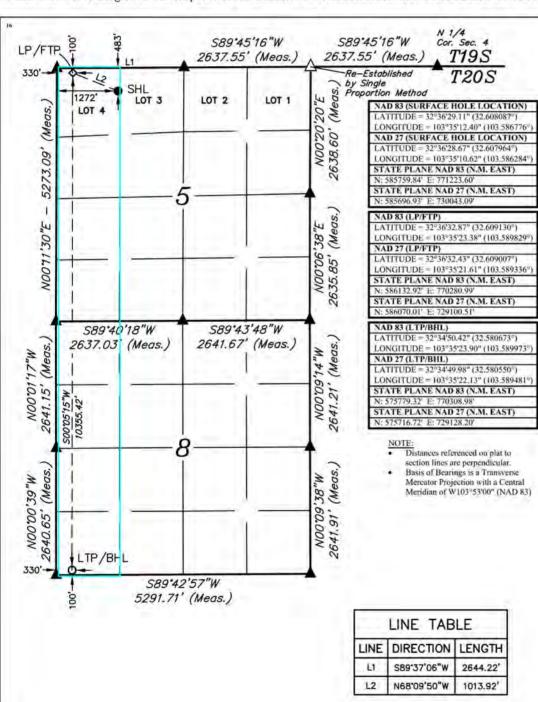
30-025	² Pool Code	3 Pool 3	Name
4 Property Code		oerty Name SANT 5-8 FED COM	* Well Number 301H
7 OGRID No. 215099		rator Name & ENERGY CO.	9 Elevation 3629.8'

Surface Location

	7		200	246		403	NORTH	12/2	WEST	LEA
				11	Rottom H	ale Location I	If Different From	Surface		
				1,57	DOMOIII 11	ole Location i	ii Different From	Surface		
- 1	III or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Fact/West line	County

20S 34E 100 SOUTH 330 WEST LEA M 12 Dedicated Acres 13 Joint or Infil 5 Order No. 320.01

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.



"OPERATOR CERTIFICATION

I hereby vertify that the inform 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 pursuan 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.

Brittany Gerden 7/28/2023

Brittany Gordon

brittany.gordon@coterra.com

18 SURVEYOR CERTIFICATION

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

November 01, 2021

Date of Survey

Certificate Number

Signature and Seal of Professional Surveyor.



SURFACE HOLE LOCATION

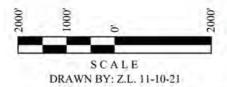
LANDING POINT/FIRST TAKE POINT

LAST TAKE POINT/ BOTTOM HOLE LOCATION

SECTION CORNER LOCATED △ = SECTION CORNER

RE-ESTABLISHED

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WELL LOCATION AND ACREAGE DEDICATION PLAT

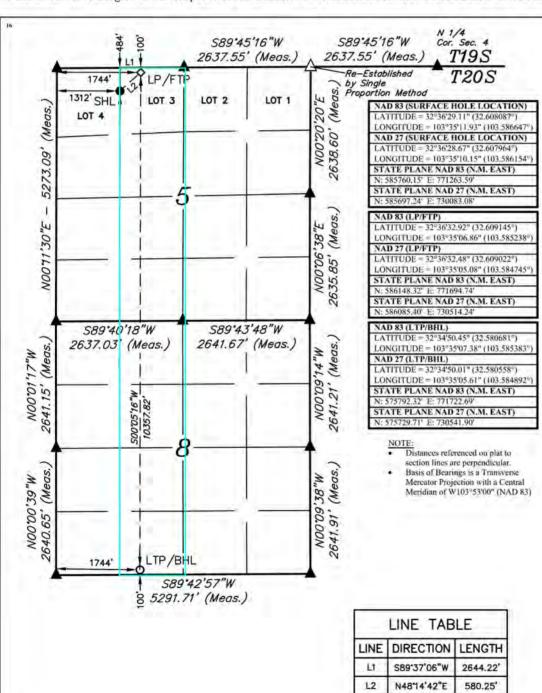
30-025 Number	² Pool Code	³ Pool Name
Property Code	5 Property Nam MIGHTY PHEASANT 5	
⁷ OGRID No. 215099	* Operator Nam CIMAREX ENER	

Surface Location

UL or lot no.	Section 5	Township 20S	Range 34E	Lot Idn	Feet from the 484	North/South line NORTH	Feet from the 1312	East/West line WEST	County LEA
			n	Bottom H	ole Location I	f Different From	Surface		
III or lot no	Cantina	Taxorbia	Danna	Lot Ida	Toot from the	Narth/Couth line	Don't fearn the	Eart/Wart line	County

N	8	20S	34E	Lot ton	100	SOUTH	1744	WEST	LEA
Dedicated Acre 320.04	es 13 J	oint or Infill	14 Cons	olidation Code	15 Order No.				

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



"OPERATOR CERTIFICATION

I hereby vertify that the inform 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 pursuan 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.

Brittany Gerden 7/28/2023

Brittany Gordon

brittany.gordon@coterra.com

18 SURVEYOR CERTIFICATION

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

November 01, 2021

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

SURFACE HOLE LOCATION

LANDING POINT/FIRST TAKE POINT

SECTION CORNER LOCATED

LAST TAKE POINT/ BOTTOM HOLE LOCATION

△ = SECTION CORNER

RE-ESTABLISHED

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2000 SCALE DRAWN BY: Z.L. 11-10-21

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District IV

0

320.06

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32

198

34E

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Santa Fe, NM 87505

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LEA

East/West line

EAST

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025	² Pool Code	3 Pool No	ame
⁴ Property Code	5 Property N MIGHTY PHEASAN		* Well Number 303H
7 OGRID No. 215099	*Operator ! CIMAREX EN		9 Elevation 3644.9'

■ Surface Location

			1)	Bottom Ho	le Location I	f Different From	Surface		
UL or lot no.	Section 8	Township 20S	Range 34E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet from the 2122	East/West line EAST	County LEA
2 Dedicated Acr	es 13 Je	oint or Infill	14 Consc	didation Code	15 Order No.			-	

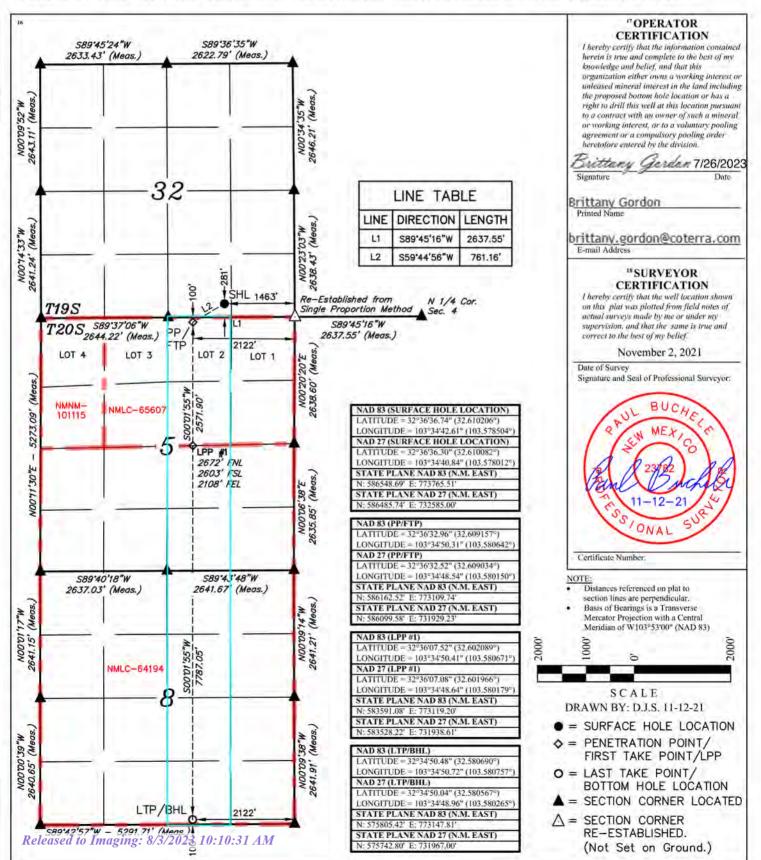
SOUTH

1463

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.

Feet from the

281



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32

198

District II

District III

District IV

0

34E

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East/West lin

EAST

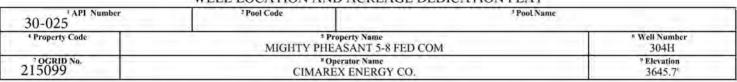
1423

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County

LEA

WELL LOCATION AND ACREAGE DEDICATION PLAT



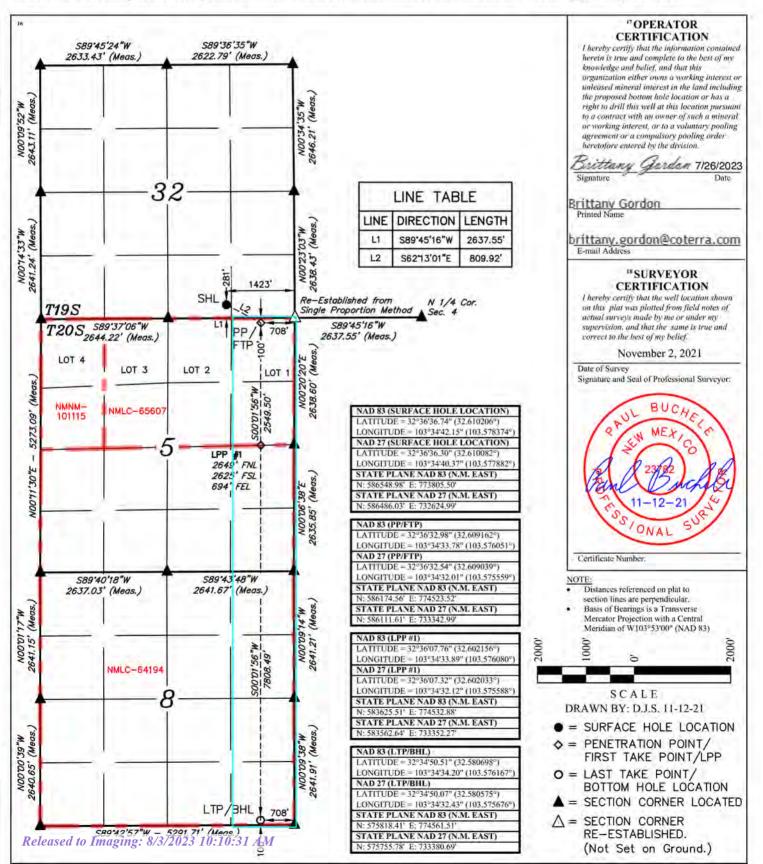
Surface Location 281

				111	Rottom H	ale Location	If Different From	Surface		
					Donomin	ofe Location i	if Different From	1 Surface		
П	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

SOUTH

UL or lot no.	Section 8	20S	Range 34E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet from the 708	EAST	LEA	
12 Dedicated Acre 320.09	es 13	Joint or Infill	14 Cons	olidation Code	15 Order No.					

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UL or lot no. Section Township Range Lot Idn

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WELL LOCATION AND ACREAGE DEDICATION PLAT

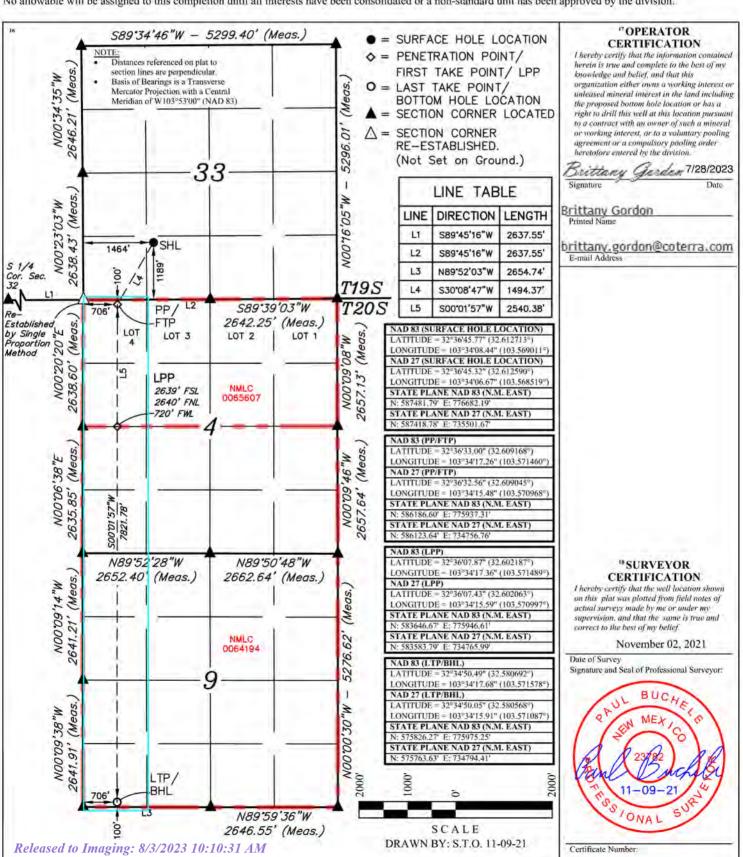
30-025	² Pool Code	³ Pool Name	
4 Property Code	5 Property N LOOSEY GOOSEY		* Well Number 301H
⁷ OGRID No. 215099	* Operator N CIMAREX ENE		" Elevation 3659.4"

Surface Location North/South line

LEA	WEST	1464	SOUTH	1189		34E	19S	33	N	Щ									
		n Curface	f Different From	ola Logation	Pottom U	10													
		n Surface	f Different From	ole Location l	Bottom Ho	1)													

UL or lot no.	Section 9	Township 20S	Range 34E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet from the 706	East/West line WEST	LEA
¹² Dedicated Acre 320,21	es 13 J	oint or Infill	14 Cons	olidation Code	15 Order No.				

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

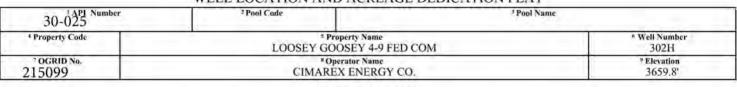
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WELL LOCATION AND ACREAGE DEDICATION PLAT

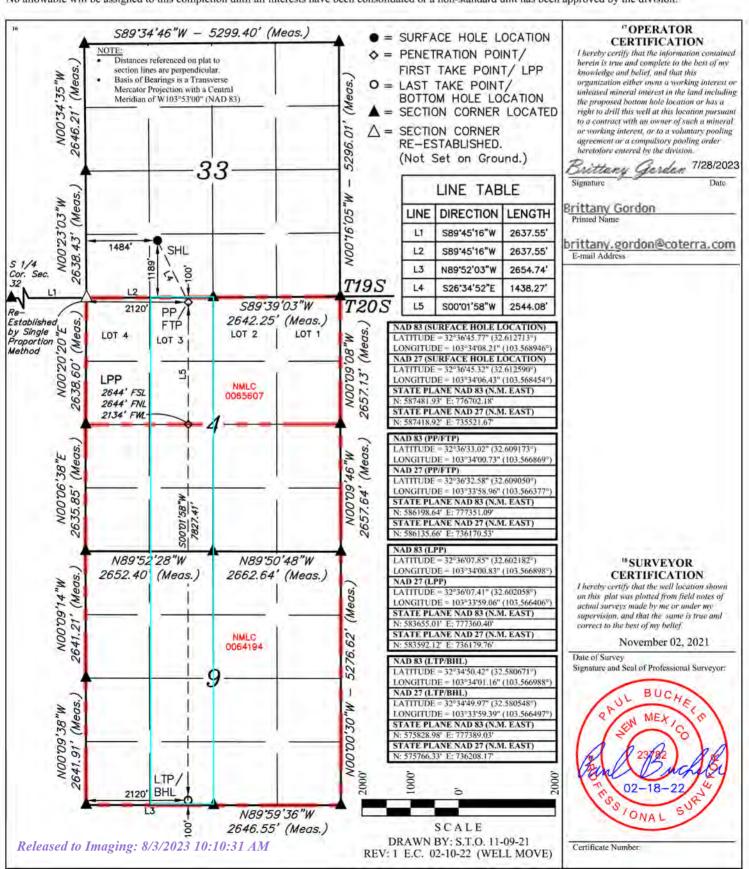
Santa Fe, NM 87505



Surface Location UL or lot no. Feet from the East/West line County 34E N 33 198 1189 SOUTH 1484 WEST LEA "Bottom Hole Location If Different From Surface

ownship 20S Feet from the Feet from the County Lot Idn North/South li East/West line SOUTH 34E 2120 WEST LEA Dedicated Acre 13 Joint or Infil 14 C 15 Order No. 320.44

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District II

District IV

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

33

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1220 South St. Francis Dr. Santa Fe, NM 87505

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East/West line

EAST

X AMENDED REPORT

County

LEA

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025	² Pool Code	⁵ Paol Name
4 Property Code	5 Property Name LOOSEY GOOSEY 4-9 F	ED COM Number 303H
⁷ OGRID No. 215099	*Operator Name CIMAREX ENERGY	CO. **Elevation 3659.9*

10 Surface Location

194

"Bottom Hole Location If Different From Surface									
UL or lot no.	Section 9	Township 20S	Range 34E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet from the 1744	East/West line EAST	County LEA

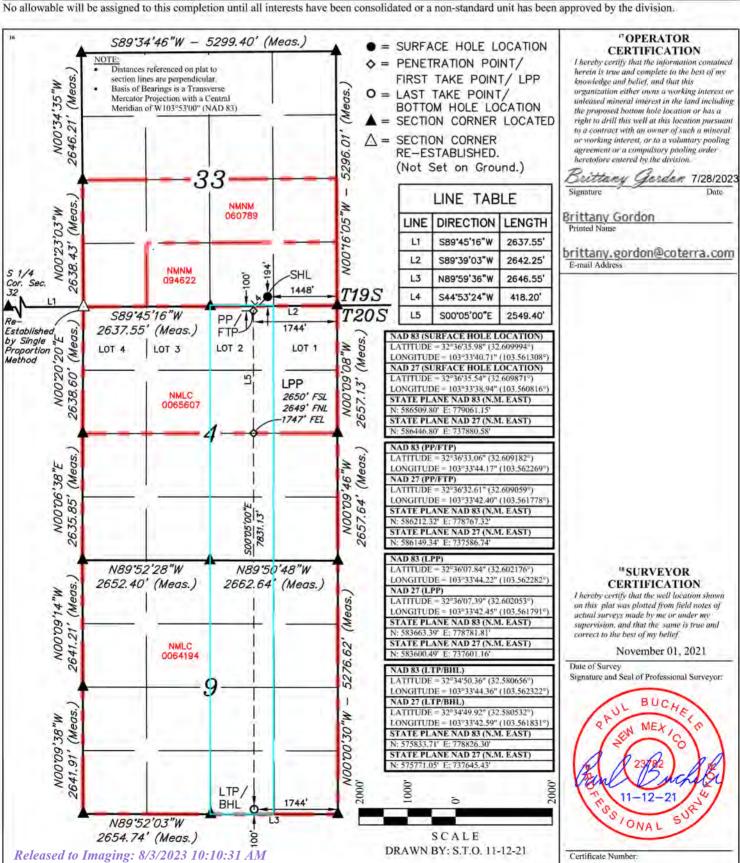
SOUTH

1448

Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.

34E

198



District! 162Received by OGD x8/2/2023 8:27:04 PM

Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210.

Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV

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

33

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State of New Mexico

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

Revised Rage Submit one copy to appropriate District Office

East/West lin

EAST

Certificate Number:

1408

X AMENDED REPORT

LEA

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025 Number	² PoolCode	4 Pool Name	
4 Property Code		operty Name OSEY 4-9 FED COM	* Well Number 304H
21 ⁷ 5099 No.	*Operator Name CIMAREX ENERGY CO.		9 Elevation 3659.4'

10 Surface Location

			1)	Bottom H	ole Location I	f 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
P	9	20S	34E		100	SOUTH	330	EAST	LEA

SOUTH

208 34E 100 13 Joint or Infill 12 Dedicated Acres 14 Consolidation Code 15 Order No.

34E

198

320.89

194

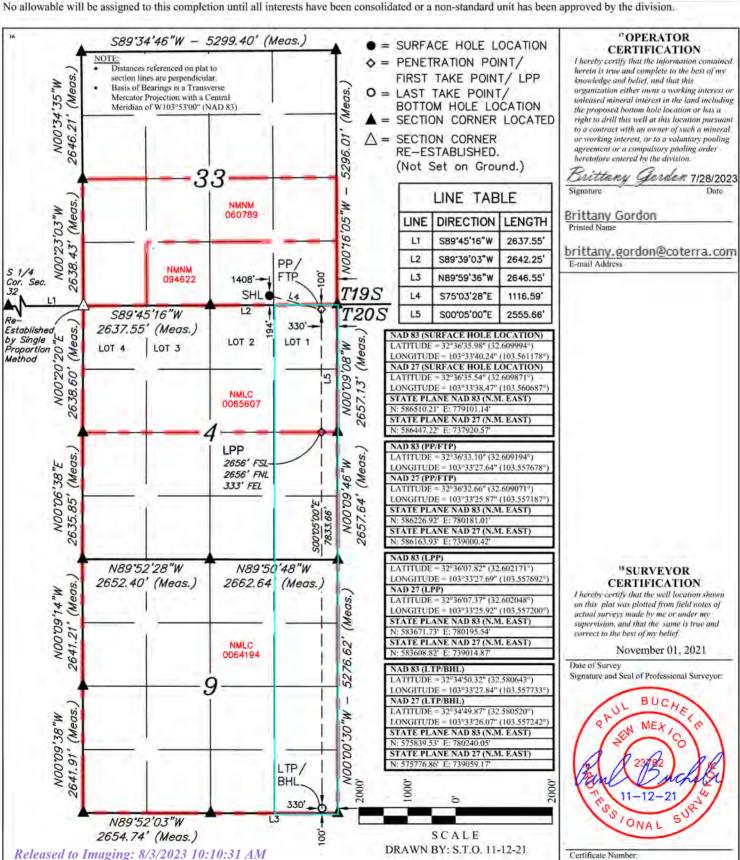
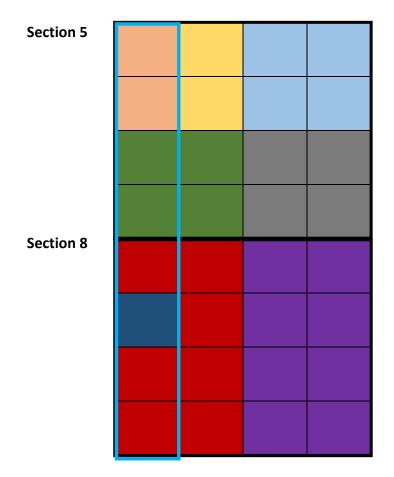


Exhibit "A-2" W2W2 of Section 5 and the W2W2 of Section 8, Township 20 South, Range 34 East of Lea County, NM (PERMIAN/DELAWARE BASIN) - Wolfcamp formation



Tract 1: NMLC-0065607 (80.04 acres)



Tract 5: NMLC-0064194 (160 acres)



Tract 2: NMLC-0065607 (160.15 acres)



Tract 6: NMLC-0064194 (320 acres)

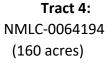
Tract 3: NMNM-10115 (80.01 acres)



NMLC-0064194 (280 acres)









Tract 8: NMLC-0064194 (40 acres)



Exhibit "A-2" OWNERSHIP BREAKDOWN – Wolfcamp formation

All of Section 5 and the All of Section 8, Township 20 South, Range 34 East of Lea County, NM Mighty Pheasant 5-8 Wolfcamp

TRACT 1 OWNERSHIP (Lot 3 and SENW of Section 5-T20S-R34E, being 80.04 acres)

Lease: USA NMLC-0065607

Owner	Net Acres	Unit WI	Status
MRC Permian Company	14.4048	0.179970	Uncommitted
5400 LBJ Fwy. Suite 1500			
Dallas, TX 75240			
HOG Partnership, LP	10.005	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Northern Oil and Gas Inc.	9.9425	0.124220	Uncommitted
4350 Baker Road, Ste. 400			
Minnetonka, MN 55343			
Javelina Partners	6.3352	0.079150	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	17.7785	0.222120	Committed
616 Texas St.			
Fort Worth, TX 76102			

Delmar Hudson Lewis Trust	2.5869	0.032320	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
First Century Oil	5.3355	0.066660	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	8.3170	0.103910	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
CBR Oil Properties LLC	5.3355	0.066660	Uncommitted
400 N. Pennsylvania, Ste 1080			
Roswell, NM 88201			
TRACT 1 TOTAL	80.04	.062521481	

TRACT 2 OWNERSHIP (Lot 1, Lot 2, S2N2 of Section 5-T20S-R34E, being 160.15 acres)

Lease: USA NMLC-0065607

 Owner	Net Acres	Unit WI	Status
MRC Permian Company	28.8222	0.179970	Uncommitted
5400 LBJ Fwy. Suite 1500			
Dallas, TX 75240			

HOG Partnership, LP	20.0188	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Northern Oil and Gas Inc.	19.8938	0.124220	Uncommitted
4350 Baker Road, Ste. 400			
Minnetonka, MN 55343			
Javelina Partners	22.8518	0.142690	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	22.8518	0.142690	Committed
616 Texas St.			
Fort Worth, TX 76102			
Delmar Hudson Lewis Trust	5.1761	0.032320	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
First Century Oil	10.6756	0.066660	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	16.6412	0.103910	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

CBR Oil Properties LLC	10.6756	0.066660	Uncommitted
400 N. Pennsylvania, Ste 1080			
Roswell, NM 88201			
Josephine T. Hudson Trust	2.5448	0.015890	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 2 TOTAL	160.15	0.12509764	

TRACT 3 OWNERSHIP (Lot 4 and SW/4NW/4 of Section 5-T20S-R34E, being 80.01 acres)

Lease: USA NMNM-10115

Owner	Net Acres	Unit WI	Status
Read and Stevens Inc.	68.8086	0.86000	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
CLM Production Co.	1.6002	0.02000	Uncommitted
P.O. Box 1361			
Roswell, NM 88202			
Highland (Texas) Energy Corp.	1.6002	0.02000	Committed
11886 Greenville Ave., Suite 106			
Dallas, TX 75243			
Diamond Star Production	1.6002	0.02000	Uncommitted
331 G. Street, SW			
Ardmore, OK 73401			

Carolyn Beall	1.6002	0.02000	Uncommitted
P.O. Box 3098			
Midland, TX 79702			
Tierra Encantada	1.6002	0.02000	Uncommitted
P.O. Box 811			
Roswell, NM 88202			
David Luna	1.6002	0.02000	Uncommitted
P.O. Box 1518			
Roswell, NM 88202			
Warren Associates	1.6002	0.02000	Uncommitted
P.O. Box 10400			
Albuquerque, NM 87184			
TRACT 3 TOTAL	80.01	0.062498047	

TRACT 4 OWNERSHIP (SW/4 of Section 5-T20S-R34E, being 160 acres)

Lease: USA NMLC-0064194

 Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	10.1664	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	4.0672	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	11.9088	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	45.5232	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	3.0496	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.016	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	33.432	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Moore and Shelton Inc.	3.6000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	6.1008	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	5.136	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 4 TOTAL	160	0.124980471	

TRACT 5 OWNERSHIP (SE/4 of Section 5-T20S-R34E, being 160 acres)

Lease: USA NMLC-0064194

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	10.1664	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0672	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			

First Century Oil	11.9088	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	45.5232	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	3.0496	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.016	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	33.432	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	3.6000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			

Lindy's Living Trust	6.1008	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	5.136	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 5 TOTAL	160	.124980471	

TRACT 6 OWNERSHIP (E/2 of Section 8-T20S-R34E, being 320 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	16.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	20.3328	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	8.1344	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	23.8176	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Read and Stevens Inc.	91.0464	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	6.0992	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	2.032	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	56.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N	30.000	0.17300	committee
Midland, TX 79706			
Moore and Shelton Inc.	7.200	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	12.2016	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
	10.5		
Challenger Crude, Ltd.	10.272	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			

Marks Oil Ltd.	10.0288	0.031340	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Wilbanks Reserve Corporation	56.8352	0.177610	Uncommitted
450 E. 17 th Ave, Ste 220			
Denver, CO 80203			
TRACT 6 TOTAL	320	.249960943	

TRACT 7 OWNERSHIP (W/2 SAE SWNW of Section 8-T20S-R34E, being 280 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	14.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	17.7912	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	7.1176	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	20.8404	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Read and Stevens Inc.	70.9240	0.252330	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	5.3368	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.778	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	49.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	6.3000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	10.6764	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	8.988	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			

Marks Oil Ltd.	8.7752	0.031340	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Wilbanks Reserve Corporation	49.7308	0.177610	Uncommitted
450 E. 17 th Ave, Ste 220			
Denver, CO 80203			
Union Hill Oil & Gas Co. Inc.	14.0000	0.05000	Committed
7712 Glenshannon Circle			
Dallas, TX 75225			
TRACT 7 TOTAL	280	0.218715825	

TRACT 8 OWNERSHIP (SWNW of Section 8-T20S-R34E, being 40 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	2.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	2.5416	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	1.0168	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			

First Century Oil	6.9324	0.173310	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	12.53	0.313250	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	0.7624	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	0.254	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	7.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	0.900	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	1.5252	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			

Challenger Crude, Ltd.	1.284	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
Marks Oil Ltd.	1.2536	0.03134	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Union Hill Oil & Gas Co. Inc.	2.000	0.05000	Committed
7712 Glenshannon Circle			
Dallas, TX 75225			
TRACT 8 TOTAL	40	0.031245117	

Complete List of Parties/Persons to be Pooled:

Working Interest Owners

HOG Partnership, LP
Permian Resources LLC
First Century Oil
Read and Stevens
Ard Oil, LTD
Wilbanks Reserve Corporation
Marks Oil, Inc.

Record Title Owners

Read and Stevens Inc.

Delmar Hudson Lewis Living Trust

Lindy's Living Trust

Javelina Partners

Zorro Partners Ltd

UNIT RECAPITULATION:

W/2W/2 of Section 5 and W/2W/2 of Section 8; all in T20S-R34E; 320.01 acres

HOG Partnership, LP – 3.7499%

Javelina Partners- 4.7654%

Zorro Partners – 1.9064%

First Century Oil- 6.1502%

Read and Stevens – 41.9924%

Ard Oil, LTD - 1.4295%

Josephine T. Hudson Trust – 0.4762%

Magnum Hunter Production Inc. – 13.1246%

CLM Production Co. – 0.5%

Highland (Texas) Energy- 0.5%

Diamond Star Production Co.- 0.5%

Carolyn Beall – 0.5%

Tierra Encantada – 0.5%

David Luna – 0.5%

Warren Associates – 0.5%

Cimarex Energy Co. – 5.2236%

Moore and Shelton – 1.6874%

Lindy's Living Trust – 2.8597%

Challenger Crude – 2.4074%

Marks Oil Ltd. - 1.567%

Wilbanks Reserve – 6.6602%

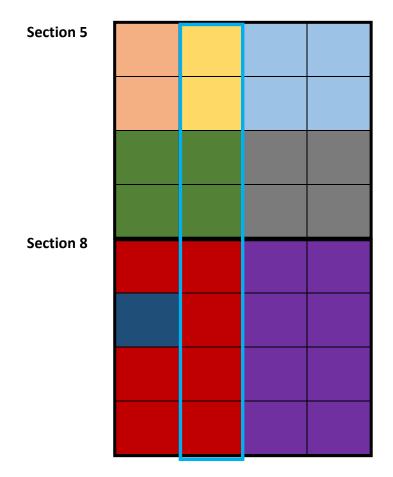
Union Hill - 2.4999%

UNIT TOTAL: 100% WI

Exhibit "A-2"

E2W2 of Section 5 and the E2W2 of Section 8, Township 20 South, Range 34 East of Lea

County, NM (PERMIAN/DELAWARE BASIN) – Wolfcamp formation



Tract 1: NMLC-0065607 (80.04 acres)



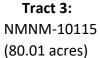
Tract 5: NMLC-0064194 (160 acres)



Tract 2: NMLC-0065607 (160.15 acres)



Tract 6: NMLC-0064194 (320 acres)





Tract 7: NMLC-0064194 (280 acres)





Tract 4:

Tract 8: NMLC-0064194 (40 acres)



Exhibit "A-2" OWNERSHIP BREAKDOWN – Wolfcamp formation

All of Section 5 and the All of Section 8, Township 20 South, Range 34 East of Lea County, NM Mighty Pheasant 5-8 Wolfcamp

TRACT 1 OWNERSHIP (Lot 3 and SENW of Section 5-T20S-R34E, being 80.04 acres)

Owner	Net Acres	Unit WI	Status
MRC Permian Company	14.4048	0.179970	Uncommitted
5400 LBJ Fwy. Suite 1500			
Dallas, TX 75240			
HOG Partnership, LP	10.005	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Northern Oil and Gas Inc.	9.9425	0.124220	Uncommitted
4350 Baker Road, Ste. 400			
Minnetonka, MN 55343			
Javelina Partners	6.3352	0.079150	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	17.7785	0.222120	Committed
616 Texas St.			
Fort Worth, TX 76102			

Delmar Hudson Lewis Trust	2.5869	0.032320	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
First Century Oil	5.3355	0.066660	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	8.3170	0.103910	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
CBR Oil Properties LLC	5.3355	0.066660	Uncommitted
400 N. Pennsylvania, Ste 1080			
Roswell, NM 88201			
TRACT 1 TOTAL	80.04	0.062521481	

TRACT 2 OWNERSHIP (Lot 1, Lot 2, S2N2 of Section 5-T20S-R34E, being 160.15 acres)

 Owner	Net Acres	Unit WI	Status
MRC Permian Company	28.8222	0.179970	Uncommitted
5400 LBJ Fwy. Suite 1500			
Dallas, TX 75240			

HOG Partnership, LP	20.0188	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Northern Oil and Gas Inc.	19.8938	0.124220	Uncommitted
4350 Baker Road, Ste. 400			
Minnetonka, MN 55343			
Javelina Partners	22.8518	0.142690	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	22.8518	0.142690	Committed
616 Texas St.			
Fort Worth, TX 76102			
Delmar Hudson Lewis Trust	5.1761	0.032320	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
First Century Oil	10.6756	0.066660	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	16.6412	0.103910	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

CBR Oil Properties LLC	10.6756	0.066660	Uncommitted
400 N. Pennsylvania, Ste 1080			
Roswell, NM 88201			
Josephine T. Hudson Trust	2.5448	0.015890	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 2 TOTAL	160.15	.12509764	

TRACT 3 OWNERSHIP (Lot 4 and SW/4NW/4 of Section 5-T20S-R34E, being 80.01 acres)

Lease: USA NMNM-10115

Owner	Net Acres	Unit WI	Status
Read and Stevens Inc.	68.8086	0.86000	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
CLM Production Co.	1.6002	0.02000	Uncommitted
P.O. Box 1361			
Roswell, NM 88202			
Highland (Texas) Energy Corp.	1.6002	0.02000	Committed
11886 Greenville Ave., Suite 106			
Dallas, TX 75243			
Diamond Star Production	1.6002	0.02000	Uncommitted
331 G. Street, SW			
Ardmore, OK 73401			

Carolyn Beall	1.6002	0.02000	Uncommitted
P.O. Box 3098			
Midland, TX 79702			
Tierra Encantada	1.6002	0.02000	Uncommitted
P.O. Box 811			
Roswell, NM 88202			
David Luna	1.6002	0.02000	Uncommitted
P.O. Box 1518			
Roswell, NM 88202			
Warren Associates	1.6002	0.02000	Uncommitted
P.O. Box 10400			
Albuquerque, NM 87184			
TRACT 3 TOTAL	80.01	.062498047	

TRACT 4 OWNERSHIP (SW/4 of Section 5-T20S-R34E, being 160 acres)

 Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	10.1664	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	4.0672	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	11.9088	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	45.5232	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	3.0496	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.016	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Manager Hundrey Dready attack Inc.	28.000	0.17500	Committed
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N Midland, TX 79706			
iviididila, 1X 73700			
Cimarex Energy Co.	33.432	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Moore and Shelton Inc.	3.6000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	6.1008	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	5.136	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 4 TOTAL	160	0.124980471	

TRACT 5 OWNERSHIP (SE/4 of Section 5-T20S-R34E, being 160 acres)

 Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	10.1664	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0672	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			

First Century Oil	11.9088	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	45.5232	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	3.0496	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.016	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	33.432	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	3.6000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			

Lindy's Living Trust	6.1008	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	5.136	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 5 TOTAL	160	.124980471	

TRACT 6 OWNERSHIP (E/2 of Section 8-T20S-R34E, being 320 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	16.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	20.3328	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	8.1344	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	23.8176	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Read and Stevens Inc.	91.0464	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	6.0992	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	2.032	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	56.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	7.200	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	12.2016	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challey and Court Ltd	40.272	0.03340	Committee
Challenger Crude, Ltd.	10.272	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			

Marks Oil Ltd.	10.0288	0.031340	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Wilbanks Reserve Corporation	56.8352	0.177610	Uncommitted
450 E. 17 th Ave, Ste 220			
Denver, CO 80203			
TRACT 6 TOTAL	320	.249960943	

TRACT 7 OWNERSHIP (W/2 SAE SWNW of Section 8-T20S-R34E, being 280 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	14.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	17.7912	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	7.1176	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	20.8404	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Read and Stevens Inc.	70.9240	0.252330	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	5.3368	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.778	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	49.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	6.3000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	10.6764	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	8.988	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			

Marks Oil Ltd.	8.7752	0.031340	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Wilbanks Reserve Corporation	49.7308	0.177610	Uncommitted
450 E. 17 th Ave, Ste 220			
Denver, CO 80203			
Union Hill Oil & Gas Co. Inc.	14.0000	0.05000	Committed
7712 Glenshannon Circle			
Dallas, TX 75225			
TRACT 7 TOTAL	280	0.218715825	

TRACT 8 OWNERSHIP (SWNW of Section 8-T20S-R34E, being 40 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	2.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	2.5416	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	1.0168	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			

First Century Oil	6.9324	0.173310	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	12.53	0.313250	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	0.7624	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	0.254	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	7.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	0.900	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	1.5252	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			

Challenger Crude, Ltd.	1.284	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
Marks Oil Ltd.	1.2536	0.03134	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Union Hill Oil & Gas Co. Inc.	2.000	0.05000	Committed
7712 Glenshannon Circle			
Dallas, TX 75225			

40

.031245117

Complete List of Parties/Persons to be Pooled:

Working Interest Owners

TRACT 8 TOTAL

HOG Partnership, LP Permian Resources LLC First Century Oil Read and Stevens Ard Oil, LTD Wilbanks Reserve Corporation Marks Oil, Inc.

Record Title Owners

Read and Stevens Inc.

Delmar Hudson Lewis Living Trust

Lindy's Living Trust

Javelina Partners

Zorro Partners Ltd

UNIT RECAPITULATION:

E/2W/2 of Section 5 and E/2W/2 of Section 8; all in T20S-R34E; 320.04 acres

MRC Permian – 4.5009%

HOG Partnership, LP – 6.8757%

Javelina Partners- 3.1067%

Zorro Partners – 7.4613%

Delmar Hudson Trust – 0.8083%

First Century Oil- 6.3583%

Read and Stevens – 22.3258%

Ard Oil, LTD - 1.4293%

Josephine T. Hudson Trust – 0.4762%

Magnum Hunter Production Inc. – 13.1234%

Cimarex Energy Co. – 5.2231%

Moore and Shelton – 1.6873%

Lindy's Living Trust – 2.8594%

Challenger Crude – 2.4072%

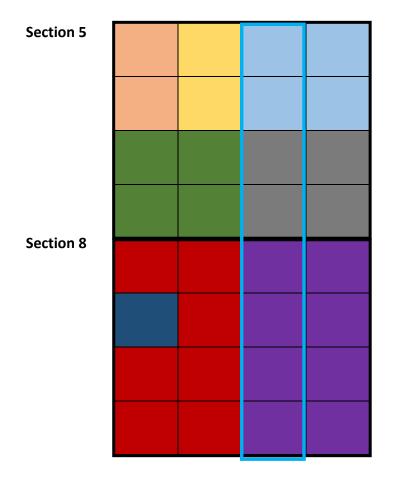
Marks Oil Ltd. - 1.5668%

Wilbanks Reserve – 8.8794%

Union Hill – 2.4997%

UNIT TOTAL: 100% WI

Exhibit "A-2" W2E2 of Section 5 and the W2E2 of Section 8, Township 20 South, Range 34 East of Lea County, NM (PERMIAN/DELAWARE BASIN) - Wolfcamp formation



Tract 1: NMLC-0065607 (80.04 acres)



Tract 5: NMLC-0064194 (160 acres)



Tract 2: NMLC-0065607 (160.15 acres)



Tract 6: NMLC-0064194 (320 acres)

Tract 3: NMNM-10115 (80.01 acres)



Tract 7: NMLC-0064194 (280 acres)





Tract 4:

NMLC-0064194

(160 acres)

Tract 8: NMLC-0064194 (40 acres)



Exhibit "A-2" OWNERSHIP BREAKDOWN – Wolfcamp formation

All of Section 5 and the All of Section 8, Township 20 South, Range 34 East of Lea County, NM Mighty Pheasant 5-8 Wolfcamp

TRACT 1 OWNERSHIP (Lot 3 and SENW of Section 5-T20S-R34E, being 80.04 acres)

Lease: USA NMLC-0065607

Owner	Net Acres	Unit WI	Status
MRC Permian Company	14.4048	0.179970	Uncommitted
5400 LBJ Fwy. Suite 1500			
Dallas, TX 75240			
HOG Partnership, LP	10.005	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Northern Oil and Gas Inc.	9.9425	0.124220	Uncommitted
4350 Baker Road, Ste. 400			
Minnetonka, MN 55343			
Javelina Partners	6.3352	0.079150	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	17.7785	0.222120	Committed
616 Texas St.			

Fort Worth, TX 76102

Delmar Hudson Lewis Trust	2.5869	0.032320	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
First Century Oil	5.3355	0.066660	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	8.3170	0.103910	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
CBR Oil Properties LLC	5.3355	0.066660	Uncommitted
400 N. Pennsylvania, Ste 1080			
Roswell, NM 88201			
TRACT 1 TOTAL	80.04	.062521481	

TRACT 2 OWNERSHIP (Lot 1, Lot 2, S2N2 of Section 5-T20S-R34E, being 160.15 acres)

 Owner	Net Acres	Unit WI	Status
MRC Permian Company	28.8222	0.179970	Uncommitted
5400 LBJ Fwy. Suite 1500			
Dallas, TX 75240			

HOG Partnership, LP	20.0188	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Northern Oil and Gas Inc.	19.8938	0.124220	Uncommitted
4350 Baker Road, Ste. 400			
Minnetonka, MN 55343			
Javelina Partners	22.8518	0.142690	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	22.8518	0.142690	Committed
616 Texas St.			
Fort Worth, TX 76102			
Delmar Hudson Lewis Trust	5.1761	0.032320	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
First Century Oil	10.6756	0.066660	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	16.6412	0.103910	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

CBR Oil Properties LLC	10.6756	0.066660	Uncommitted
400 N. Pennsylvania, Ste 1080			
Roswell, NM 88201			
Josephine T. Hudson Trust	2.5448	0.015890	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 2 TOTAL	160.15	0.12509764	

TRACT 3 OWNERSHIP (Lot 4 and SW/4NW/4 of Section 5-T20S-R34E, being 80.01 acres)

Lease: USA NMNM-10115

Owner	Net Acres	Unit WI	Status
Read and Stevens Inc.	68.8086	0.86000	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
CLM Production Co.	1.6002	0.02000	Uncommitted
P.O. Box 1361			
Roswell, NM 88202			
Highland (Texas) Energy Corp.	1.6002	0.02000	Committed
11886 Greenville Ave., Suite 106			
Dallas, TX 75243			
Diamond Star Production	1.6002	0.02000	Uncommitted
331 G. Street, SW			
Ardmore, OK 73401			

Carolyn Beall	1.6002	0.02000	Uncommitted
P.O. Box 3098			
Midland, TX 79702			
Tierra Encantada	1.6002	0.02000	Uncommitted
P.O. Box 811			
Roswell, NM 88202			
David Luna	1.6002	0.02000	Uncommitted
P.O. Box 1518			
Roswell, NM 88202			
Warren Associates	1.6002	0.02000	Uncommitted
P.O. Box 10400			
Albuquerque, NM 87184			
TRACT 3 TOTAL	80.01	.062498047	

TRACT 4 OWNERSHIP (SW/4 of Section 5-T20S-R34E, being 160 acres)

 Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	10.1664	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	4.0672	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	11.9088	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	45.5232	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	3.0496	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.016	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	33.432	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Moore and Shelton Inc.	3.6000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	6.1008	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	5.136	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 4 TOTAL	160	.124980471	

TRACT 5 OWNERSHIP (SE/4 of Section 5-T20S-R34E, being 160 acres)

 Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	10.1664	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0672	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			

First Century Oil	11.9088	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	45.5232	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	3.0496	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.016	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	33.432	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	3.6000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			

Lindy's Living Trust	6.1008	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	5.136	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 5 TOTAL	160	0.124980471	

TRACT 6 OWNERSHIP (E/2 of Section 8-T20S-R34E, being 320 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	16.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	20.3328	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	8.1344	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	23.8176	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Read and Stevens Inc.	91.0464	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	6.0992	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	2.032	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	56.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	7.200	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	12.2016	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	10.272	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			

Marks Oil Ltd.	10.0288	0.031340	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Wilbanks Reserve Corporation	56.8352	0.177610	Uncommitted
450 E. 17 th Ave, Ste 220			
Denver, CO 80203			
TRACT 6 TOTAL	320	0.249960943	

TRACT 7 OWNERSHIP (W/2 SAE SWNW of Section 8-T20S-R34E, being 280 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	14.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	17.7912	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	7.1176	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	20.8404	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Read and Stevens Inc.	70.9240	0.252330	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	5.3368	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.778	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	49.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	6.3000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	10.6764	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
	0.000	0.02240	Comments 1
Challenger Crude, Ltd.	8.988	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			

Marks Oil Ltd.	8.7752	0.031340	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Wilbanks Reserve Corporation	49.7308	0.177610	Uncommitted
450 E. 17 th Ave, Ste 220			
Denver, CO 80203			
Union Hill Oil & Gas Co. Inc.	14.0000	0.05000	Committed
7712 Glenshannon Circle			
Dallas, TX 75225			
TRACT 7 TOTAL	280	.218715825	

TRACT 8 OWNERSHIP (SWNW of Section 8-T20S-R34E, being 40 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	2.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	2.5416	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	1.0168	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			

First Century Oil	6.9324	0.173310	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	12.53	0.313250	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	0.7624	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	0.254	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	7.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	0.900	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	1.5252	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			

Challenger Crude, Ltd.	1.284	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
Marks Oil Ltd.	1.2536	0.03134	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Union Hill Oil & Gas Co. Inc.	2.000	0.05000	Committed
7712 Glenshannon Circle			
Dallas, TX 75225			
TRACT 8 TOTAL	40	.031245117	

Complete List of Parties/Persons to be Pooled:

Working Interest Owners

HOG Partnership, LP
Permian Resources LLC
First Century Oil
Read and Stevens
Ard Oil, LTD
Wilbanks Reserve Corporation
Marks Oil, Inc.

Record Title Owners

Read and Stevens Inc.

Delmar Hudson Lewis Living Trust

Lindy's Living Trust

Javelina Partners

Zorro Partners Ltd

UNIT RECAPITULATION:

W/2E/2 of Section 5 and W/2E/2 of Section 8; all in T20S-R34E; 320.06 acres

MRC Permian – 4.5021%

HOG Partnership, LP – 6.8765%

Javelina Partners- 8.3344%

Zorro Partners – 5.4757%

Delmar Hudson Trust – 0.8085%

First Century Oil- 7.2491%

Read and Stevens – 23.9357%

CBR Oil Production – 1.6675%

Ard Oil, LTD – 1.4293%

Josephine T. Hudson Trust – 0.8737%

Magnum Hunter Production Inc. – 13.1234%

Cimarex Energy Co. - 5.2231%

Moore and Shelton – 1.6873%

Lindy's Living Trust – 2.8594%

Challenger Crude – 2.4072%

Marks Oil Ltd. - 1.5668%

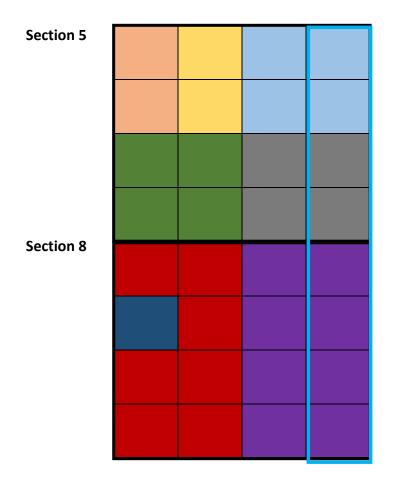
Wilbanks Reserve – 8.8794%

UNIT TOTAL: 100% WI

Exhibit "A-2"

E2E2 of Section 5 and the E2E2 of Section 8, Township 20 South, Range 34 East of Lea County,

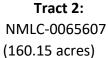
NM (PERMIAN/DELAWARE BASIN) – Wolfcamp formation



Tract 1: NMLC-0065607 (80.04 acres)

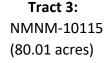


Tract 5: NMLC-0064194 (160 acres)



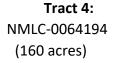


Tract 6: NMLC-0064194 (320 acres)





Tract 7: NMLC-0064194 (280 acres)





Tract 8: NMLC-0064194 (40 acres)

A-2.4

Exhibit "A-2" OWNERSHIP BREAKDOWN – Wolfcamp formation

All of Section 5 and the All of Section 8, Township 20 South, Range 34 East of Lea County, NM Mighty Pheasant 5-8 Wolfcamp

TRACT 1 OWNERSHIP (Lot 3 and SENW of Section 5-T20S-R34E, being 80.04 acres)

		11.21.340	Clark
Owner	Net Acres	Unit WI	Status
MRC Permian Company	14.4048	0.179970	Uncommitted
5400 LBJ Fwy. Suite 1500			
Dallas, TX 75240			
HOG Partnership, LP	10.005	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Northern Oil and Gas Inc.	9.9425	0.124220	Uncommitted
4350 Baker Road, Ste. 400			
Minnetonka, MN 55343			
Javelina Partners	6.3352	0.079150	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	17.7785	0.222120	Committed
616 Texas St.			
Fort Worth, TX 76102			

Delmar Hudson Lewis Trust	2.5869	0.032320	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
First Century Oil	5.3355	0.066660	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	8.3170	0.103910	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
CBR Oil Properties LLC	5.3355	0.066660	Uncommitted
400 N. Pennsylvania, Ste 1080			
Roswell, NM 88201			
TRACT 1 TOTAL	80.04	.062521481	

TRACT 2 OWNERSHIP (Lot 1, Lot 2, S2N2 of Section 5-T20S-R34E, being 160.15 acres)

Owner	Net Acres	Unit WI	Status
MRC Permian Company	28.8222	0.179970	Uncommitted
5400 LBJ Fwy. Suite 1500			
Dallas, TX 75240			

HOG Partnership, LP	20.0188	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Northern Oil and Gas Inc.	19.8938	0.124220	Uncommitted
4350 Baker Road, Ste. 400			
Minnetonka, MN 55343			
Javelina Partners	22.8518	0.142690	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	22.8518	0.142690	Committed
616 Texas St.			
Fort Worth, TX 76102			
Delmar Hudson Lewis Trust	5.1761	0.032320	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
First Century Oil	10.6756	0.066660	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	16.6412	0.103910	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

CBR Oil Properties LLC	10.6756	0.066660	Uncommitted
400 N. Pennsylvania, Ste 1080			
Roswell, NM 88201			
Josephine T. Hudson Trust	2.5448	0.015890	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 2 TOTAL	160.15	0.12509764	

TRACT 3 OWNERSHIP (Lot 4 and SW/4NW/4 of Section 5-T20S-R34E, being 80.01 acres)

Lease: USA NMNM-10115

Owner	Net Acres	Unit WI	Status
Read and Stevens Inc.	68.8086	0.86000	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
CLM Production Co.	1.6002	0.02000	Uncommitted
P.O. Box 1361			
Roswell, NM 88202			
Highland (Texas) Energy Corp.	1.6002	0.02000	Committed
11886 Greenville Ave., Suite 106			
Dallas, TX 75243			
Diamond Star Production	1.6002	0.02000	Uncommitted
331 G. Street, SW			
Ardmore, OK 73401			

Carolyn Beall	1.6002	0.02000	Uncommitted
P.O. Box 3098			
Midland, TX 79702			
Tierra Encantada	1.6002	0.02000	Uncommitted
P.O. Box 811			
Roswell, NM 88202			
David Luna	1.6002	0.02000	Uncommitted
P.O. Box 1518			
Roswell, NM 88202			
Warren Associates	1.6002	0.02000	Uncommitted
P.O. Box 10400			
Albuquerque, NM 87184			
TRACT 3 TOTAL	80.01	.062498047	

TRACT 4 OWNERSHIP (SW/4 of Section 5-T20S-R34E, being 160 acres)

 Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	10.1664	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	4.0672	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	11.9088	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	45.5232	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	3.0496	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.016	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N	28.000	0.17300	Committed
Midland, TX 79706			
malana, 17 75700			
Cimarex Energy Co.	33.432	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Moore and Shelton Inc.	3.6000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	6.1008	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	5.136	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 4 TOTAL	160	.124980471	

TRACT 5 OWNERSHIP (SE/4 of Section 5-T20S-R34E, being 160 acres)

 Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	10.1664	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0672	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			

First Century Oil	11.9088	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	45.5232	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	3.0496	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.016	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	33.432	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	3.6000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			

Lindy's Living Trust	6.1008	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	5.136	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 5 TOTAL	160	0.124980471	

TRACT 6 OWNERSHIP (E/2 of Section 8-T20S-R34E, being 320 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	16.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	20.3328	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	8.1344	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	23.8176	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Read and Stevens Inc.	91.0464	0.284520	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	6.0992	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	2.032	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	56.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	7.200	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	12.2016	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Challenger Crude, Ltd.	10.272	0.03210	Committed
400 W. Illinois Ave, Suite 1210	10.272	0.03210	Committee
Midland, TX 79701			
iviididilu, IA 75701			

Marks Oil Ltd.	10.0288	0.031340	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Wilbanks Reserve Corporation	56.8352	0.177610	Uncommitted
450 E. 17 th Ave, Ste 220			
Denver, CO 80203			
TRACT 6 TOTAL	320	0.249960943	

TRACT 7 OWNERSHIP (W/2 SAE SWNW of Section 8-T20S-R34E, being 280 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	14.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	17.7912	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	7.1176	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			
First Century Oil	20.8404	0.074430	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Read and Stevens Inc.	70.9240	0.252330	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	5.3368	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	1.778	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	49.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	6.3000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	10.6764	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
	0.000	0.02240	Comments 1
Challenger Crude, Ltd.	8.988	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			

Marks Oil Ltd.	8.7752	0.031340	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Wilbanks Reserve Corporation	49.7308	0.177610	Uncommitted
450 E. 17 th Ave, Ste 220			
Denver, CO 80203			
Union Hill Oil & Gas Co. Inc.	14.0000	0.05000	Committed
7712 Glenshannon Circle			
Dallas, TX 75225			
TRACT 7 TOTAL	280	.218715825	

TRACT 8 OWNERSHIP (SWNW of Section 8-T20S-R34E, being 40 acres)

Owner	Net Acres	Unit WI	Status
HOG Partnership, LP	2.000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Javelina Partners	2.5416	0.06354	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	1.0168	0.02542	Committed
616 Texas St.			
Fort Worth, TX 76102			

First Century Oil	6.9324	0.173310	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Read and Stevens Inc.	12.53	0.313250	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Ard Oil Ltd.	0.7624	0.01906	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Josephine T. Hudson Trust	0.254	0.00635	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Magnum Hunter Production Inc.	7.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Moore and Shelton Inc.	0.900	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
Lindy's Living Trust	1.5252	0.03813	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			

Challenger Crude, Ltd.	1.284	0.03210	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
Marks Oil Ltd.	1.2536	0.03134	Uncommitted
1775 Sherman Street, Ste 2990			
Denver, CO 80203			
Union Hill Oil & Gas Co. Inc.	2.000	0.05000	Committed
7712 Glenshannon Circle			
Dallas, TX 75225			
TRACT 8 TOTAL	40	.031245117	

Complete List of Parties/Persons to be Pooled:

Working Interest Owners

HOG Partnership, LP
Permian Resources LLC
First Century Oil
Read and Stevens
Ard Oil, LTD
Wilbanks Reserve Corporation
Marks Oil, Inc.

Record Title Owners

Read and Stevens Inc.

Delmar Hudson Lewis Living Trust

Lindy's Living Trust

Javelina Partners

Zorro Partners Ltd

UNIT RECAPITULATION:

E/2E/2 of Section 5 and E/2E/2 of Section 8; all in T20S-R34E; 320.09 acres

MRC Permian – 4.5014%

HOG Partnership, LP – 6.8754%

Javelina Partners- 8.3331%

Zorro Partners – 5.4749%

Delmar Hudson Trust – 0.8084%

First Century Oil- 7.2480%

Read and Stevens – 23.9320%

CBR Oil Production - 1.6673%

Ard Oil, LTD – 1.4291%

Josephine T. Hudson Trust – 0.8736%

Magnum Hunter Production Inc. – 13.1213%

Cimarex Energy Co. - 5.2223%

Moore and Shelton – 1.6870%

Lindy's Living Trust – 2.8589%

Challenger Crude – 2.4068%

Marks Oil Ltd. - 1.5666%

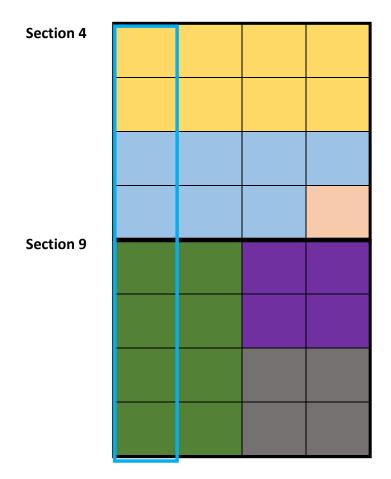
Wilbanks Reserve – 8.8780%

UNIT TOTAL: 100% WI

Exhibit "A-2"

W2W2 of Section 4 and the W2W2 of Section 9, Township 20 South, Range 34 East of Lea

County, NM (PERMIAN/DELAWARE BASIN) – Wolfcamp formation



Tract 1: NMLC-0065607 (322.2 acres)



Tract 5: NMLC-0064194 (160 acres)

Tract 2: NMLC-0064194 (280 acres)



Tract 6: NMLC-0064194 (160 acres)

Tract 3: NMLC-0064194 (40 acres)



Tract 4: NMLC-0064194 (320 acres)



Exhibit "A-2" OWNERSHIP BREAKDOWN – Wolfcamp formation

All of Section 4 and the All of Section 9, Township 20 South, Range 34 East of Lea County, NM Loosey Goosey 4-9 Wolfcamp

TRACT 1 OWNERSHIP (Lot 1, 2, 3, 4, S2N2 of Section 4-T20S-R34E, being 322.2 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	65.9504	0.20469	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	65.9504	0.20469	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	43.9668	0.13646	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	43.9668	0.13646	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	10.9918	0.03412	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Ard Oil Ltd.	32.9752	0.10234	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	18.1238	0.05625	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	40.2750	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
TRACT 1 TOTAL	322.2	0.25128685	

TRACT 2 OWNERSHIP (N2S2, S2SW, SWSE of Section 4-T20S-R34E, being 280 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	10.675	0.038125	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	10.675	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	7.1168	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	7.1168	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.7791	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	5.33764	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	6.3000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	14.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	98.4992	0.351783	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	31.2598	0.111642	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Foran Oil Company	49.0000	0.17500	Uncommitted
5400 LBJ Fwy., Suite 1500			
Dallas, TX 75240			
Chase Oil Corporation	29.253	0.104475	Committed
P.O. Box 1767			
Artesia, NM 88211			
Challenger Crude, Ltd.	8.9982	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 2 TOTAL	280	.218374668	

TRACT 3 OWNERSHIP (SESE of Section 4-T20S-R34E, being 40 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	1.5250	0.038125	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	1.5250	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	1.0167	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	1.0167	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	0.25416	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	0.76252	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	0.9	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	2.0	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	14.0713	0.351783	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	4.4657	0.111642	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Chase Oil Corporation	4.1790	0.104475	Committed
P.O. Box 1767			
Artesia, NM 88211			
Magnum Hunter Production Inc.	7.0	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Challenger Crude, Ltd.	1.28404	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 3 TOTAL	40	.031196381	

TRACT 4 OWNERSHIP (W/2 of Section 9-T20S-R34E, being 320 acres)

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	12.20	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	20.3334	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	8.1334	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Josephine T. Hudson Trust	2.0333	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	6.1002	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	7.2	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	16.00	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	91.0470	0.284522	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	23.81696	0.074428	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	56.00	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Cimarex Energy Co.	66.84	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Challenger Crude, Ltd.	10.2723	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 4 TOTAL	320	.249571049	

TRACT 5 OWNERSHIP (SE/4 of Section 9-T20S-R34E, being 160 acres)

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	6.1000	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	10.1667	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0667	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.0166	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Ard Oil Ltd.	3.0501	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	3.6000	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	56.1901	0.351188	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	17.8101	0.111313	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	22.000	0.13750	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 5 TOTAL	160	.124785524	

TRACT 6 OWNERSHIP (NE4 of Section 9-T20S-R34E, being 160 acres)

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	6.1000	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	10.1667	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0667	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.0167	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	3.0501	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	3.6000	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			

HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	53.9366	0.337104	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	16.56336	0.103521	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	25.500	0.159375	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 6 TOTAL	160	.124785524	

Complete List of Parties/Persons to be Pooled:

Working Interest Owners

HOG Partnership, LP Permian Resources LLC First Century Oil Read and Stevens Ard Oil, LTD Foran Oil Company Chase Oil Corporation

Overriding Royalty Owners

Slayton Investments, LLC

Free Ride, LLC

Chad Barbe and wife, Marci Barbe

SMP Titan Mineral Holdings, LP

SMP Sidecar Titan Mineral Holdings, LP

SMP Titan Flex, LP

MSH Family Real Estate Partnership II,

LLC

Pegasus Resources, LLC

Doug J. Schutz

Oak Valley Mineral and Land, LP

Motowi, LLC

Frannifin Minerals, LLC

Alan R. Hannifin

Wyotex Oil Company

Schertz Energy, LLC

Nuevo Seis, Limited Partnership

FFF, Inc.

MW Oil Investments Company, Inc.

MAP 92-96 MGD

MAP Holdings

JPT Family Joint Venture #1

Communities Foundation of Texas, Inc.

Unknown Trustee of the Jan E. Mills

Testamentary Trust

Unknown Trustee of the John C. Mills

Testamentary Trust

Jonathan S. Roderick, Trustee of the

Jonathan S. Roderick Living Trust dated

February 8, 2007

Hoshi Kanri LLC

Pumpkin Buttes LLC

S & E Royalty, LLC

Rolla Hinkle, III

Penasco Petroleum, LLC

Matt Hinkle

Penroc Oil Corporation

Bruce M. Monroe, separate property

Davienn Witt, separate property

Gayle Monroe, separate property

Gerald Kim Monroe, separate property

Challenger Crude, Ltd.

Phillip D. Dunford Jr.

Leigh Ann Dunford

Marathon Oil Permian LLC

Gryphon Partnership

Good News Minerals, LLC

Post Oak Crown IV, LLC

Post Oak Crown IV-B, LLC

Post Oak Mavros II, LLC

Sortida Resources, LLC

Crown Oil Partners, LP

Collins & Jones Investments, LLC

LMC Energy, LLC

MCT Energy, Ltd.

H. Jason Wacker

David W. Cromwell

Kaleb Smith

Deane Durham

Mike Moylett

ERGODIC Resources Company

AmeriPermian Holdings, LLC

Blasco, L.L.C.

Christopher R. Eckels

Robert Edward Eckels, Jr., L.L.C.

Jan C. Ice

Elizabeth J. Kay Family Trust, Elizabeth

Jane Kay, Trustee

Eileen M. Grooms, Trustee of the EMG

Revocable Trust U/A/D 11/01/2004

F. Andrew Grooms, Trustee of the F.

Andrew Grooms SSP Trust u/a/d 3/24/14

Foran Oil Company

William N. Heiss Profit Sharing Plan,

William E. Heiss and Susan E. Heiss, Co-

Trustees

DNR Oil & Gas, Inc.

Matlock Minerals Ltd. Co.

Good Earth Minerals, LLC

First Roswell Company

Rubie Crosby Bell Family LLC

Moore & Shelton Company, Ltd.

Bank of America, N.A., Trustee of the Delmar Hudson Lewis Living Trust, UTA dated September 9, 2002 Francis Hill Hudson, Trustee of the Lindy's Living Trust UTA dated July 8, 1994

Record Title Owners

Read and Stevens Inc.

Delmar Hudson Lewis Living Trust

Lindy's Living Trust

Javelina Partners

Zorro Partners Ltd

UNIT RECAPITULATION:

W/2W/2 of Section 4 and W/2W/2 of Section 9; all in T20S-R34E; 320.21 acres

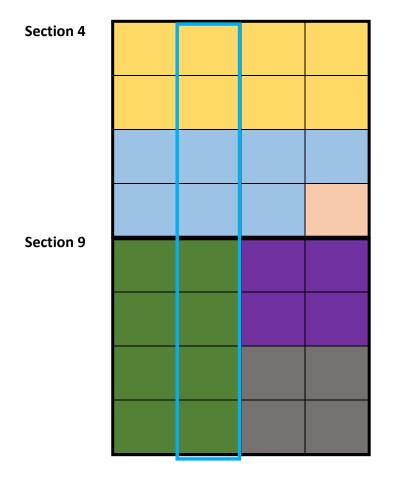
Delmar Hudson Trust- 6.0798%
Lindy's Living Trust- 7.9848%
Javelina Partners – 7.2282%
Zorro Partners – 5.3232%
Josephine Hudson Trust – 1.3308%
Ard Oil – 3.9924%
Moore and Shelton – 3.0954%
HOG Partnership LP – 6.8787%
Read and Stevens – 23.0056%
First Century Oil – 6.5082%
Foran Oil Company – 4.3721%
Chase Oil Co. – 2.6102%
Magnum Hunter – 8.7443%
Cimarex Energy – 10.4406%
Challenger Crude – 2.406%

UNIT TOTAL: 100% WI

Exhibit "A-2"

2W2 of Section 4 and the E2W2 of Section 9. Township 20 South

E2W2 of Section 4 and the E2W2 of Section 9, Township 20 South, Range 34 East of Lea County, NM (PERMIAN/DELAWARE BASIN) – Wolfcamp formation



Tract 1: NMLC-0065607 (322.2 acres)



Tract 5: NMLC-0064194 (160 acres)

Tract 2: NMLC-0064194 (280 acres)



Tract 6: NMLC-0064194 (160 acres)

Tract 3: NMLC-0064194 (40 acres)



Tract 4: NMLC-0064194 (320 acres)



Exhibit "A-2" OWNERSHIP BREAKDOWN – Wolfcamp formation

All of Section 4 and the All of Section 9, Township 20 South, Range 34 East of Lea County, NM Loosey Goosey 4-9 Wolfcamp

TRACT 1 OWNERSHIP (Lot 1, 2, 3, 4, S2N2 of Section 4-T20S-R34E, being 322.2 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	65.9504	0.20469	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	65.9504	0.20469	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	43.9668	0.13646	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	43.9668	0.13646	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	10.9918	0.03412	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Ard Oil Ltd.	32.9752	0.10234	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	18.1238	0.05625	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	40.2750	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
TRACT 1 TOTAL	322.2	0.25128685	

TRACT 2 OWNERSHIP (N2S2, S2SW, SWSE of Section 4-T20S-R34E, being 280 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	10.675	0.038125	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	10.675	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	7.1168	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	7.1168	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.7791	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	5.33764	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	6.3000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	14.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	98.4992	0.351783	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	31.2598	0.111642	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Foran Oil Company	49.0000	0.17500	Uncommitted
5400 LBJ Fwy., Suite 1500			
Dallas, TX 75240			
Chase Oil Corporation	29.253	0.104475	Committed
P.O. Box 1767			
Artesia, NM 88211			
Challenger Crude, Ltd.	8.9982	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 2 TOTAL	280	.218374668	

TRACT 3 OWNERSHIP (SESE of Section 4-T20S-R34E, being 40 acres)

 Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	1.5250	0.038125	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	1.5250	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	1.0167	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	1.0167	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	0.25416	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	0.76252	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	0.9	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	2.0	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	14.0713	0.351783	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	4.4657	0.111642	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Chase Oil Corporation	4.1790	0.104475	Committed
P.O. Box 1767			
Artesia, NM 88211			
Magnum Hunter Production Inc.	7.0	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Challenger Crude, Ltd.	1.28404	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 3 TOTAL	40	.031196381	

TRACT 4 OWNERSHIP (W/2 of Section 9-T20S-R34E, being 320 acres)

OwnerNet AcresUnit WIStatusLindy's Living Trust12.200.038125Committed
Lindy's Living Trust 12.20 0.038125 Committed
4200 S. Hulen Street, Suite 302
Fort Worth, TX 76109
Javelina Partners 20.3334 0.063542 Committed
616 Texas St.
Fort Worth, TX 76102
Zorro Partners, Ltd. 8.1334 0.025417 Committed
616 Texas St.
Fort Worth, TX 76102

Josephine T. Hudson Trust	2.0333	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	6.1002	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	7.2	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	16.00	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	91.0470	0.284522	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	23.81696	0.074428	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Manager House Daniel (1997)	FC 00	0.47500	Committee
Magnum Hunter Production Inc.	56.00	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Cimarex Energy Co.	66.84	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Challenger Crude, Ltd.	10.2723	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 4 TOTAL	320	.249571049	

TRACT 5 OWNERSHIP (SE/4 of Section 9-T20S-R34E, being 160 acres)

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	6.1000	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	10.1667	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0667	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.0166	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Ard Oil Ltd.	3.0501	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	3.6000	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	56.1901	0.351188	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	17.8101	0.111313	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	22.000	0.13750	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 5 TOTAL	160	.124785524	

TRACT 6 OWNERSHIP (NE4 of Section 9-T20S-R34E, being 160 acres)

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	6.1000	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	10.1667	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0667	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.0167	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	3.0501	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	3.6000	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			

HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	53.9366	0.337104	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	16.56336	0.103521	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	25.500	0.159375	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 6 TOTAL	160	.124785524	

Complete List of Parties/Persons to be Pooled:

Working Interest Owners

HOG Partnership, LP Permian Resources LLC First Century Oil Read and Stevens Ard Oil, LTD Foran Oil Company Chase Oil Corporation

Record Title Owners

Read and Stevens Inc.

Delmar Hudson Lewis Living Trust

Lindy's Living Trust

Javelina Partners

Zorro Partners Ltd

UNIT RECAPITULATION:

E/2W/2 of Section 4 and E/2W/2 of Section 9; all in T20S-R34E; 320.44 acres

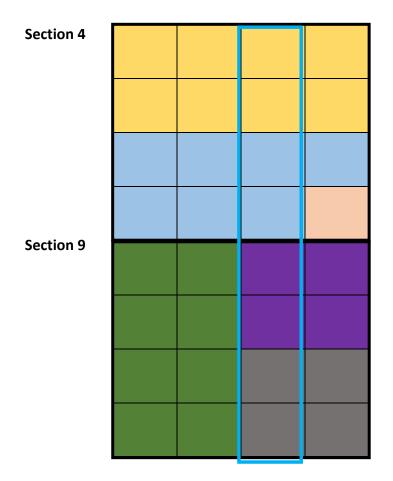
Delmar Hudson Trust- 6.0901%
Lindy's Living Trust- 7.9937%
Javelina Partners – 7.2328%
Zorro Partners – 5.3292%
Josephine Hudson Trust – 1.3323%
Ard Oil – 3.9969%
Moore and Shelton – 3.0972%
HOG Partnership LP – 6.8827%
Read and Stevens – 22.9891%
First Century Oil – 6.5035%
Foran Oil Company – 4.369%
Chase Oil Co. – 2.6083%
Magnum Hunter – 8.738%
Cimarex Energy – 10.4332%

Challenger Crude – 2.4043%

UNIT TOTAL: 100% WI

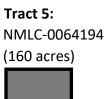
Exhibit "A-2"

W2E2 of Section 4 and the W2E2 of Section 9, Township 20 South, Range 34 East of Lea County, NM (PERMIAN/DELAWARE BASIN) – Wolfcamp formation



Tract 1: NMLC-0065607 (322.2 acres)





Tract 2: NMLC-0064194 (280 acres)



Tract 6: NMLC-0064194 (160 acres)

Tract 3: NMLC-0064194 (40 acres)



Tract 4: NMLC-0064194 (320 acres)





Exhibit "A-2" OWNERSHIP BREAKDOWN – Wolfcamp formation

All of Section 4 and the All of Section 9, Township 20 South, Range 34 East of Lea County, NM Loosey Goosey 4-9 Wolfcamp

TRACT 1 OWNERSHIP (Lot 1, 2, 3, 4, S2N2 of Section 4-T20S-R34E, being 322.2 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	65.9504	0.20469	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	65.9504	0.20469	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	43.9668	0.13646	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	43.9668	0.13646	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	10.9918	0.03412	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Ard Oil Ltd.	32.9752	0.10234	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	18.1238	0.05625	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	40.2750	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
TRACT 1 TOTAL	322.2	0.25128685	

TRACT 2 OWNERSHIP (N2S2, S2SW, SWSE of Section 4-T20S-R34E, being 280 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	10.675	0.038125	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	10.675	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	7.1168	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	7.1168	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.7791	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	5.33764	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	6.3000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	14.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	98.4992	0.351783	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	31.2598	0.111642	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

49.0000	0.17500	Uncommitted
29.253	0.104475	Committed
8.9982	0.032101	Committed
280	.218374668	
	29.253 8.9982	29.253

TRACT 3 OWNERSHIP (SESE of Section 4-T20S-R34E, being 40 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	1.5250	0.038125	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	1.5250	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	1.0167	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	1.0167	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	0.25416	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	0.76252	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	0.9	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	2.0	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	14.0713	0.351783	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	4.4657	0.111642	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Chase Oil Corporation	4.1790	0.104475	Committed
P.O. Box 1767			
Artesia, NM 88211			
Magnum Hunter Production Inc.	7.0	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Challenger Crude, Ltd.	1.28404	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 3 TOTAL	40	.031196381	

TRACT 4 OWNERSHIP (W/2 of Section 9-T20S-R34E, being 320 acres)

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	12.20	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	20.3334	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	8.1334	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Josephine T. Hudson Trust	2.0333	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	6.1002	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	7.2	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
	45.00		
HOG Partnership, LP	16.00	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	91.0470	0.284522	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	23.81696	0.074428	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	56.00	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Cimarex Energy Co.	66.84	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Challenger Crude, Ltd.	10.2723	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 4 TOTAL	320	.249571049	

TRACT 5 OWNERSHIP (SE/4 of Section 9-T20S-R34E, being 160 acres)

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	6.1000	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	10.1667	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0667	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.0166	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Ard Oil Ltd.	3.0501	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	3.6000	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	56.1901	0.351188	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	17.8101	0.111313	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	22.000	0.13750	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 5 TOTAL	160	.124785524	

TRACT 6 OWNERSHIP (NE4 of Section 9-T20S-R34E, being 160 acres)

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	6.1000	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	10.1667	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0667	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.0167	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	3.0501	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	3.6000	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			

HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	53.9366	0.337104	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	16.56336	0.103521	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	25.500	0.159375	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 6 TOTAL	160	.124785524	

Complete List of Parties/Persons to be Pooled:

Working Interest Owners

HOG Partnership, LP
Permian Resources LLC
First Century Oil
Read and Stevens
Ard Oil, LTD
Foran Oil Company
Chase Oil Corporation

Record Title Owners

Read and Stevens Inc.

Delmar Hudson Lewis Living Trust

Lindy's Living Trust

Javelina Partners

Zorro Partners Ltd

UNIT RECAPITULATION:

W/2E/2 of Section 4 and W/2E/2 of Section 9; all in T20S-R34E; 320.66 acres

Delmar Hudson Trust- 6.1000%
Lindy's Living Trust- 8.20023%
Javelina Partners – 7.2372%
Zorro Partners – 5.3349%
Josephine Hudson Trust – 1.3337%
Ard Oil – 4.0012%
Moore and Shelton – 3.099%
HOG Partnership LP – 6.8866%
Read and Stevens – 25.9484%
First Century Oil – 8.1451%
Foran Oil Company – 4.366%
Chase Oil Co. – 2.6065%
Magnum Hunter – 8.732%
Cimarex Energy – 7.4066%

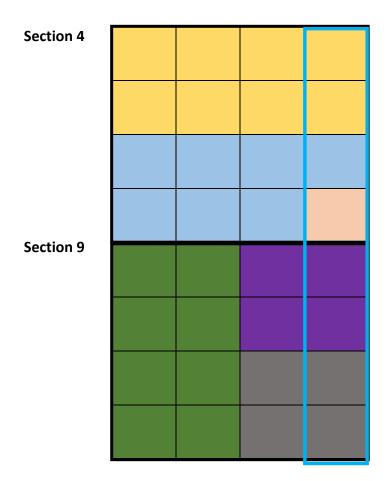
Challenger Crude - 0.8009%

UNIT TOTAL: 100% WI

Exhibit "A-2"

E2E2 of Section 4 and the E2E2 of Section 9, Township 20 South, Range 34 East of Lea County,

NM (PERMIAN/DELAWARE BASIN) – Wolfcamp formation



Tract 1: NMLC-0065607 (322.2 acres)



Tract 5: NMLC-0064194 (160 acres)

Tract 2: NMLC-0064194 (280 acres)



Tract 6: NMLC-0064194 (160 acres)

Tract 3: NMLC-0064194 (40 acres)



Tract 4: NMLC-0064194 (320 acres)





Exhibit "A-2" OWNERSHIP BREAKDOWN – Wolfcamp formation

All of Section 4 and the All of Section 9, Township 20 South, Range 34 East of Lea County, NM Loosey Goosey 4-9 Wolfcamp

TRACT 1 OWNERSHIP (Lot 1, 2, 3, 4, S2N2 of Section 4-T20S-R34E, being 322.2 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	65.9504	0.20469	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	65.9504	0.20469	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	43.9668	0.13646	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	43.9668	0.13646	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	10.9918	0.03412	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Ard Oil Ltd.	32.9752	0.10234	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	18.1238	0.05625	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	40.2750	0.125000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
TRACT 1 TOTAL	322.2	0.25128685	

TRACT 2 OWNERSHIP (N2S2, S2SW, SWSE of Section 4-T20S-R34E, being 280 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	10.675	0.038125	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	10.675	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	7.1168	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	7.1168	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.7791	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	5.33764	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	6.3000	0.0225	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	14.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	98.4992	0.351783	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	31.2598	0.111642	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

49.0000	0.17500	Uncommitted
29.253	0.104475	Committed
8.9982	0.032101	Committed
280	.218374668	
	29.253 8.9982	29.253

TRACT 3 OWNERSHIP (SESE of Section 4-T20S-R34E, being 40 acres)

Owner	Net Acres	Unit WI	Status
Delmar Hudson Lewis Trust	1.5250	0.038125	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Lindy's Living Trust	1.5250	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	1.0167	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Zorro Partners, Ltd.	1.0167	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	0.25416	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	0.76252	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	0.9	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	2.0	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	14.0713	0.351783	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	4.4657	0.111642	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			

Chase Oil Corporation	4.1790	0.104475	Committed
P.O. Box 1767			
Artesia, NM 88211			
Magnum Hunter Production Inc.	7.0	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Challenger Crude, Ltd.	1.28404	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 3 TOTAL	40	.031196381	

TRACT 4 OWNERSHIP (W/2 of Section 9-T20S-R34E, being 320 acres)

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	12.20	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	20.3334	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	8.1334	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			

Josephine T. Hudson Trust	2.0333	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	6.1002	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	7.2	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	16.00	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	91.0470	0.284522	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	23.81696	0.074428	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	56.00	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Cimarex Energy Co.	66.84	0.208950	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Challenger Crude, Ltd.	10.2723	0.032101	Committed
400 W. Illinois Ave, Suite 1210			
Midland, TX 79701			
TRACT 4 TOTAL	320	.249571049	

TRACT 5 OWNERSHIP (SE/4 of Section 9-T20S-R34E, being 160 acres)

Lease: USA NMLC-0064194

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	6.1000	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	10.1667	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0667	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.0166	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			

Ard Oil Ltd.	3.0501	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	3.6000	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			
HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	56.1901	0.351188	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	17.8101	0.111313	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	22.000	0.13750	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TDACT F TOTAL	160	424705524	
TRACT 5 TOTAL	160	.124785524	

TRACT 6 OWNERSHIP (NE4 of Section 9-T20S-R34E, being 160 acres)

Lease: USA NMLC-0064194

Owner	Net Acres	Unit WI	Status
Lindy's Living Trust	6.1000	0.038125	Committed
4200 S. Hulen Street, Suite 302			
Fort Worth, TX 76109			
Javelina Partners	10.1667	0.063542	Committed
616 Texas St.			
Fort Worth, TX 76102			
Zorro Partners, Ltd.	4.0667	0.025417	Committed
616 Texas St.			
Fort Worth, TX 76102			
Josephine T. Hudson Trust	1.0167	0.006354	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Ard Oil Ltd.	3.0501	0.019063	Uncommitted
P.O. Box 101027			
Fort Worth, TX 76185			
Moore and Shelton Inc.	3.6000	0.02250	Committed
P.O. Box 3070			
Galveston, TX 77552			

HOG Partnership, LP	8.0000	0.05000	Uncommitted
5950 Cedar Springs Rd., Ste. 242			
Dallas, TX 75235			
Read and Stevens Inc.	53.9366	0.337104	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
First Century Oil	16.56336	0.103521	Uncommitted
300 N. Marienfeld St., Ste. 1000			
Midland, TX 79701			
Magnum Hunter Production Inc.	28.000	0.17500	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
Cimarex Energy Co.	25.500	0.159375	Committed
6001 Deauville Blvd., Ste 300N			
Midland, TX 79706			
TRACT 6 TOTAL	160	.124785524	

Complete List of Parties/Persons to be Pooled:

Working Interest Owners

HOG Partnership, LP Permian Resources LLC First Century Oil Read and Stevens Ard Oil, LTD Foran Oil Company Chase Oil Corporation

Record Title Owners

Read and Stevens Inc.

Delmar Hudson Lewis Living Trust

Lindy's Living Trust

Javelina Partners

Zorro Partners Ltd

UNIT RECAPITULATION:

E/2E/2 of Section 4 and E/2E/2 of Section 9; all in T20S-R34E; 320.89 acres

Delmar Hudson Trust- 6.115%
Lindy's Living Trust- 8.017%
Javelina Partners – 7.247%
Zorro Partners – 5.33447%
Josephine Hudson Trust – 1.3362%
Ard Oil – 4.0085%
Moore and Shelton – 3.103%
HOG Partnership LP – 6.8955%
Read and Stevens – 25.9484%

First Century Oil – 8.1451% Foran Oil Company – 2.183% Chase Oil Co. – 2.6065% Magnum Hunter – 10.915%

Cimarex Energy – 7.4066%

Challenger Crude – 0.8009%

UNIT TOTAL: 100% WI

Cimarex Energy Co. Permian Business Unit 600 N. Marienfeld Street Suite 600 Midland, Texas 79701 MAIN 432.571,7800



August 25, 2022

Ard Oil, Ltd. 222 West Forth St., Ph5 Fort Worth, TX 76102

Re:

Proposal to Drill

Mighty Pheasant 5-8 Fed Com 101H-104H, 201H-204H & 301H-304H

Sections 5 & 8, Township 20 South, Range 34 East

Lea County, NM

Dear Working Interest Owner,

Cimarex Energy Co. hereby proposes to drill the Mighty Pheasant 5-8 Fed Com 101H-104H, 201H-204H & 301H-304H Wells at a legal location in Section 5, Township 20 South, Range 34 East, NMPM, Lea Co., NM.

Mighty Pheasant 5-8 Fed Com 101H - The intended surface hole location for the well is 330' FNL and 1090' FWL of Section 5, Township 20 South, Range 34 East, and the intended bottom hole location is 100' FSL and 330' FWL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 9,530' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 102H - The intended surface hole location for the well is 330' FNL and 1130' FWL of Section 5, Township 20 South, Range 34 East, and the intended bottom hole location is 100' FSL and 1744' FWL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 9,530' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 103H - The intended surface hole location for the well is 340' FSL and 1640' FEL of Section 32, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 2122' FEL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 9,530' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 104H - The intended surface hole location for the well is 340' FSL and 1600' FEL of Section 32, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 708' FEL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 9,530' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 201H - The intended surface hole location for the well is 330' FNL and 1110' FWL of Section 5, Township 20 South, Range 34 East, and the intended bottom hole location is 100' FSL and 330' FWL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,310' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 202H - The intended surface hole location for the well is 330' FNL and 1150' FWL of Section 5, Township 20 South, Range 34 East, and the intended bottom hole location is 100' FSL and 1744' FWL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,310' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 203H - The intended surface hole location for the well is 340' FSL and 1620' FEL of Section 32, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 2122' FEL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,308' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 204H - The intended surface hole location for the well is 280' FSL and 1520' FEL of Section 32, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 708' FEL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,308' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 301H - The intended surface hole location for the well is 390' FNL and 1190' FWL of Section 5, Township 20 South, Range 34 East, and the intended bottom hole location is 100' FSL and 330' FWL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,870' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 302H - The intended surface hole location for the well is 390' FNL and 1230' FWL of Section 5, Township 20 South, Range 34 East, and the intended bottom hole location is 100' FSL and 1744' FWL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,860' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 303H - The intended surface hole location for the well is 280' FSL and 1540' FEL of Section 32, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 2122' FEL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,850' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Mighty Pheasant 5-8 Fed Com 304H - The intended surface hole location for the well is 280' FSL and 1500' FEL of Section 32, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 708' FEL of Section 8, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,840' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

It should be understood that compliance with topography or cultural or environmental concerns, among others, might require modification of Cimarex's intended procedure. Cimarex will advise you of any such modifications.

Enclosed is (i) our detailed AFE reflecting estimated costs associated with this proposal, and; (ii) our proposed form of Operating Agreement to govern operations of the Mighty Pheasant 5-8 Fed Com Wells. If you intend to participate, please approve and return one (1) original of the enclosed AFE, one (1) original of the signature page to the Operating Agreement, along with the contact information to receive your well data, to the undersigned within thirty (30) days of receipt of this proposal. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance to Cimarex prior to commencement of drilling operations; otherwise, you will be covered by insurance procured by Cimarex and will be responsible for your share of the cost.

Cimarex will file for force pooling for the Mighty Pheasant 5-8 Fed Com 101H-104H, 201H-204H & 301H-304H wells 30 days after the receipt of these proposals.

Please call the undersigned with any questions or comments.

Respectfully,

John Coffman 432.571.7883

John.Coffman@Coterra.com

O COTERRA

Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 204H

AFE # XXXXXXX

Company Entity				Date Prepared 8/17/2022
Exploration Region Permian Basin	Well Name Mighty Pheasant 5-8 Fed Com 204H	Prospect New Mexico Bone Spring	Property Numb	er AFE XXXXXXXX
County, State Lea, NM	Location Section 5-8 T20S-R34E Lea, NM		Estimated Spud	Estimated Completion
X New Supplement Revision	Formation 2nd Sand	Well Type DEV	Ttl Méasured Depth 19808	Ttl Vetical Depth 10308
Purpose Drill Description	and complete well			
	e intended surface hold location for the well i			

southerly direction within the formation to the referenced bottom hole location. Total vertical depth of the well is proposed to be approximately 10308 feet.

Intangible Dry Hole After Casing Point Completed Well Cost
Drilling Costs \$2,475,500 \$2,475,500
Completion Costs \$4,646,761 \$4,646,761

Completion Casts		\$4,646,761	\$4,646,761
Total Intangible Cost	\$2,475,500	\$4,646,761	\$7,122,261
Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$393,000	\$1,125,000	\$1,518,000
Lease Equipment		\$790,428	\$790,428
Total Tangible Cost	\$393,000	\$1,915,428	\$2,308,428
Total Well Cost	\$2,868,500	\$6,562,189	\$9,430,689

Comments On Well Costs

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.	
I elect to market my gas with	Cimarex pursuant to the terms and conditions of its contract

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

7/6/2022

^{1.} All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 204H

Rece M. Lordonie ODC-LTD SUB-ON-STORY ODC-	Description	BCP - Dr	illing	ACP - I	Orilling	Con	p/Stim	Producti	on Equip	Post Com	ALEX-CONT.	Total
Commany Comm	Description		Amount	Codes	Amount		Amount			Codes	Amount	Cos
ModPlace Micropart ModPlace	Roads & Location	DIDC,100	20,000			5TIM.100	3,000			PCOM.100	3,000	
Day later Day	Damages	DIDC.105	16,500					CON.105	15807	100000		32,30
Machine Mach	Mud/Fluids Disposal	DIDC.255	200,000			STIM.255	51,000			PCOM.255	0	251,00
inseried of the control of the contr	Day Rate	DIDC.115	468,000	DICC.120	96,000							564,00
Fig. Col.	Misc Preparation	DIDC.120	30,000									30,00
No. P. P. P. P. P. P. P.	Bits	DIDC.125	97,000	DICC.125	0	STIM.125	0			PCOM.125		97,00
Mod. 9 Application DOC 145 300,000	Fuel	DIDC.135	119,000	DICC.130	0					PCOM.130	0	119,00
NO. Prof. 1 1 1 1 1 1 1 1 1	Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC 135	0	STIM.135	20,000			PCOM.135	0	25,00
Submers kernich ODC-150 17200 DC-140 STMA 140 STMA 15000 CON-140 FOOM-140 Month of Resident Labor Flow-list Labor And Logging ODC-177 S. 0,000 DC-175 STMA 141 CON-140 B.85.55 CON-150 B.80.55 C		DIDC.145	300,000									300,000
Suthers Amenia DOC-150 97000 DOC-150 13000	SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	109,193	109,19
Double D	Surface Rentals	DIDC.150	97,000	DICC.140	0	STIM.140	137,000	CON.140	1,378	PCOM.140	60,000	295,378
Richards Liber Authorisation Liber Lib						STIM.145	35.000			PCOM.145	0	166,000
Automation Laber Mail Logging MC & DETRINAL PANTING MC Represented Floating Experiment DDC.195 7,000 DDC.195 7,000 DDC.195 1,000	A. A. 11 (1) (A. 11) (A. 11)	piedoss	18.000							and the state of t	30,000	30,000
Mail Logging DIDC.179 5,000 1,						21111111111		CON 150	36.558	PCOM 150	100000000000000000000000000000000000000	41,558
Inc. bottlessee 100		DIDC 170	5,000					20111130	30,550			5,000
Communing A hast Foughterent UDIC_105 9 3000 DCC-150 3 0000 DCC-150 0 0000 DCC-160 0 0000 DCC-16		DIDC.170	3,000					CON 165	18 888			18,88
Tabular Impedentions DICLINO \$ 3,000 DCC150 8,000 STRA 160 8,000 STRA 160 9,000 DCC165 13,000 STRA 160 9,000 DCC175 1,000 STRA 170 1,000 DCC175 1,000 DCC175 1,000 STRA 170 1,000 DCC175 1,000		D)DC 105	70,000	DICC 155	140,000			CO14.103	10,000			
Caleng Crewn DIDC-209 13,000 DCC-179	and the second section of the second section of the second section of the second section secti					CTIMATO	4.000			DCOM 160	0	
Mechanical labor						and the second of the second				PCOM. 160	U	
Tacking Transportation												
Supervision									The second second			
Total = Total Camp Camp Catering	Control of the Contro		100000000000000000000000000000000000000						100000000000000000000000000000000000000	Annual Control of the		59,833
Clark Mic Spreines	Supervision							CON.180	21,238	PCOM.180	0	162,238
Discription Drilling Services Discription Drilling Service	Trailer House/Camp/Catering				5,000							72,000
MBN/DBNOB		DIDC.220	5,000	DICC.190	0	STIM.190	85,000	CON.190	24,318	PCOM.190	0	114,318
Discription Dalling Services DIDC-254 \$0,000 \$0 \$0.000	Overhead	DIDC.225	5,000	DICC.195	5,000							10,000
Salas Control ODC_260 46,000 ODC_265 84,000 DDC_265 STIM_260 0 STIM_260	MOB/DEMOB	DIDC.240	115,000									115,000
Solds Control MCC Control (group Smulbing Services) DIDC 265 84,000 DIDC 265 RSTM 115 21,000 PCOM 30 DIDC 265 DIDC 265 RSTM 115 RSTM 200 PCOM 300 DIDC 265 DIDC 265 RSTM 200 RSTM 200 PCOM 300 DIDC 265 DIDC 265 RSTM 200	Directional Drilling Services	DIDC.245	307,000									307,000
Well Control Equip Services Competion Right Services Competion Right Services Competion Right Services Competion Right Services STIMIL \$21,000 PCOM.150 210 Coll Tabling Services STIMIL \$21,000 PCOM.200 225,000 PCOM.200 P	A CONTRACTOR OF THE PROPERTY O	DIDC.260	46,000							771		46,000
Complete Plays	Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC.240	0	STIM.240	64,000			PCOM.240	0	148,000
Completion toggging/perforating/Wieline Composite Plays Stimulation Water/Water Transfer/Water Composite Plays Register Plays Stimulation Water/Water Transfer/Water Composite Plays Register Plays	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					STIM.115	21,000			PCOM.115	0	21,000
Compelior Logging/Perforating/Weeline Compension Logging/Perforating/Weeline Compension Logging-Inflamental Equipment Loggin										PCOM.260	0	
Composite Plays Stimulation Stimulatio										PCOM.200		257,000
Semulation Sem										to the second according to		39,000
Stimulation Water Mater Transfort/Water Climares Conned Frace/Retail Equipment (page) (Regulatory) Curative (DIDC-285 7,000 10,000 1	THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PE									- 40C/260110000001		
Communication Communicatio										r contra		
Legal/Regidatory/Curatelve OIDC.285 7,000 Vell Control Insurance OIDC.285 7,000 Vell Control PAD LaSOR FL/GL - Labor FL/GL - Labor FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Ald in Construct/3rd Party Connect Contingency OIDC.285 118,000 OIDC.285 118,00										DCOM 205	0	
Well Control Insurance CIDIC 285 7,000 White Control C		0,000,000	10.000			311M.305	60,000	CON 200		PCOIVI.303	.0	
Mgir Construction Overhead RLGG - Oxportation RLGG - Supervision RLGG - Supervision Survey SWD/Other - Supervision Ald in Construct/3d Party Connect Contingency Total Intangible Cost Oxportation Total Intangible Cost Oxportation Oxp	The second secon							CON.300	0			
FL/GL - Labor Labo		DIDC.285	7,000					districtive and the second	06.6339			
FL/GL - Supervision FL/GL	Market Committee of the											
FL/GL - Supervision												37,613
Survey, Other - Labor SWD/Other - Labor SWD/Other - Supervision Ald in Construct/3rd Party Connect Contingency DIDC.435 DIDC.435 DIDC.435 DIDC.435 DIBC.435												94,842
SMD/Other - Labor SMD/Other - Supervision SMD/Other - Materials SMD/Other - Supervision SMD/Other - SMD/Other - Supervision SMD/Other - SMD/Othe	FL/GL - Supervision							CON.505				14,429
SMD/Other - Supervision Aid in Construct/3rd Party Connect Contingency DIDC A33 118,000 DICC 220 15,000 STIM 20 165,000 CON 270 40,531 CON 40,55 CONTINGENCY DIDC A33 118,000 DICC 220 15,000 STIM 20 165,000 CON 270 105,542 PCOM 20 0 403.5 CON 270 105,542 PCOM 20 0 403.5 CON 270 105,542 PCOM 20 0 23,550 CON 270 105,542 PCOM 20 0 24,550 CON 270 105,540 PCOM 270 105,542 PCOM 270	Survey							CON.515	2,351			2,351
Add in Construct/3rd Party Connect Contingency DIDC.435	SWD/Other - Labor							CON.600	0			0
Contingency	SWD/Other - Supervision							CON.605	0		- 1	0
Contingency Contingency Contingency Conductor Pipe DWEB.130 Conductor Pipe DWEB.135 DA,000 DA,00	Aid In Construct/3rd Party Connect							CON.701	40,531			40,531
Total Intangible Cost	Contingency	DIDC.435	118,000	DICC.220	15,000	STIM.220	165,000	CON.220	105,542	PCOM.220	0	403,542
Total Intangible Cost	Contingency							CON.221	23,508			23,508
Conductor Pipe			2,475,500		306.000		3.459.000				212,193	7,122,26
Mater String		DWFB.130					37.374.77					0
Surface Casing DWE8.140 DWE8.145 O D												104,000
Intermediate Casing 1	Control of the Contro											251,000
Production Casing or Liner DWEA.100 792,000 STIMT.105 139,000 PCOMT.105 0 139,000 PCOMT.105 0 139,000 PCOMT.105 0 139,000 PCOMT.105 0 139,000 PCOMT.105 10,000 104,000 PCOMT.105 10,000 PCOMT.105 10,000 PCOMT.105 10,000 PCOMT.105												251,000
Tubing Wellhead, Tree, Chokes DWEB.115 38,000 DWEA.120 18,000 STIMT.105 38,000 PCOMT.105 10,000 104,00 Liner Hanger, Isolation Packer DWEB.100 0 DWEA.125 0 DWEB.105 0 DWEA.125 0 DWEB.106 DWEB.105 0 DWEA.125 0 DWEB.106 DWEA.125 0 DWEA.125 0 DWEB.106 DWEA.125 0 DWEA.125 D	A STATE OF THE PARTY OF THE PAR	D111.0.143	U	DWEA 100	702.000							
Wellhead, Tree, Chokes DWEB.115 38,000 DWEB.120 18,000 STIMT.120 38,000 PCOMT.120 10,000 104,00 Liner Hanger, Isolation Packer DWEB.100 0 DWEB.125 0 STIMT.400 28,000 PCOMT.400 0 28,00 SHORT ORDERS CONT.380 10,538 10,538 10,538 10,538 10,538 10,538 30,804 4,0 40,0 20,000 PCOMT.410 0 80,00 4,0 20,000 PCOMT.410 0 80,00 30,8 4,0 20,000 PCOMT.410 0 80,00 9,00 4,0 9,00 9,00 4,0 9,00 9,00 4,0 9,00 9,00 15,00 15,00 15,00 9,00 15,00 9,00 15,00 9,00 15,00 9,00 15,00 9,00 15,00 9,00 18,43 18,43 18,43 18,43 18,43 18,43 18,43 18,43 18,43 18,43 18,43 18,43 18,43 18,43				DVV2A.100	132,000	STIME 105	120,000			DCOMT 10F	0	
Liner Hanger, Isolation Packer DWEB.100 DWEB.105 O DWEB.	A CONTRACTOR OF THE PROPERTY O	DIMEDILLE	20.000	DWE 4 100	10.000	Carrier others in other				Same distinguishing the first		
Packer, Nipples STIMT.400 28,000 CONT.380 10,538 10,53					18,000	31IM1.120	38,000			FCOM1.120	10,000	104,000
SHORT ORDERS		DWEB.100	0	DWEA.125	0	CTIA CT	-4			DCOLET 100		
PUMPS	A AMORE SERVICES					511MT.400	28,000		20'00"	PCOM1.400	0	28,000
WALKOVERS												10,538
Downhole Lift Equipment STIMT.410 80,000 PCOMT.420 15,00												30,804
Surface Equipment PCOMT.420 15,000 150 Well Automation Materials CONT.400 184,334 5,000 5,0 N/C Lease Equipment CONT.405 184,334 184,334 184,334 184,334 214,003 214,004 214,004 21									4,053	and the same		4,053
Well Automation Materials PCOMT.455 5,000 5,0 N/C Lease Equipment CONT.400 184,334 184,034 184,034 184,034 184,034 184,034 184,034 184,034 184,04 184,04 184,04 184,04 184,04 184,04 184,04 184,04 184,04 184,04 184,04 184,04 184,04						STIMT.410	80,000			Contracting Advantages and	0	80,000
N/C Lease Equipment Tanks, Tanks Steps, Stairs CONT.400 184.334 184.33 184.34 184.33 1	Surface Equipment										Landage Co.	15,000
Tanks, Tanks Steps, Stairs CONT.405 51,879 51,8 Battery Equipment CONT.410 214,003 214,0 Secondary Containments CONT.415 124,202 19.2 Overhead Power Distribution CONT.420 64,038 64,0 Facility Electrical CONT.425 32,100 32,1 Telecommunication Equipment CONT.426 486 4 Meters and Metering Equipment CONT.450 31,208 31,2 Lease Automation Materials CONT.450 31,208 31,2 Lease Automation Materials CONT.455 32,242 32,4 FL/GL - Materials CONT.550 21,400 21,4 FL/GL - Line Pipe CONT.555 48,637 48,6 SWD/Other - Materials CONT.655 0 0 SWD/Other - Line Pipe CONT.655 0 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4	Well Automation Materials									PCOMT.455	5,000	5,000
Tanks, Tanks Steps, Stairs CONT.405 51,879 51,8 Battery Equipment CONT.410 214,003 214,00 Secondary Containments CONT.415 19,292 19,2 Overhead Power Distribution CONT.420 64,038 66,0 Facility Electrical CONT.425 32,100 32,1 Telecommunication Equipment CONT.426 486 4 Meters and Metering Equipment CONT.450 31,208 31,2 Lease Automation Materials CONT.450 32,424 32,4 FL/GL - Materials CONT.550 21,400 21,4 FL/GL - Line Pipe CONT.555 48,637 48,6 SWD/Other - Materials CONT.650 0 0 SWD/Other - Line Pipe CONT.650 0 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4	N/C Lease Equipment							CONT.400	184,334	45.		184,334
Battery Equipment CONT.410 214,003 214,003 Secondary Containments CONT.415 19,292 19,2 Overhead Power Distribution CONT.420 64,038 64,0 Facility Electrical CONT.425 486 4 Meters and Metering Equipment CONT.426 486 4 Meters and Metering Equipment CONT.450 31,208 31,2 Lease Automation Materials CONT.450 31,208 31,2 FL/GL - Materials CONT.550 21,400 21,4 FL/GL - Line Pipe CONT.550 21,400 21,4 SWD/Other - Materials CONT.550 0 0 SWD/Other - Line Pipe CONT.650 0 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4	Tanks, Tanks Steps, Stairs							CONT.405	51,879			51,879
Secondary Containments CONT.415 19,292 19,292 Overhead Power Distribution CONT.420 64,038 64,038 Facility Electrical CONT.425 32,100 32,1 Telecommunication Equipment CONT.426 486 4 Meters and Metering Equipment CONT.454 45,232 45,2 Facility Line Pipe CONT.450 31,208 31,2 Lease Automation Materials CONT.455 32,424 32,4 FL/GL - Materials CONT.550 21,400 21,4 SWD/Other - Materials CONT.555 48,637 48,6 SWD/Other - Materials CONT.650 0 0 SWD/Other - Line Pipe CONT.655 0 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4	Battery Equipment							CONT.410				214,003
Overhead Power Distribution CONT.420 64.038 64.00 Facility Electrical CONT.425 32,100 32,1 Telecommunication Equipment CONT.426 486 4 Meters and Metering Equipment CONT.450 45,232 45,232 Facility Line Pipe CONT.450 31,208 31,208 Lease Automation Materials CONT.455 32,424 32,4 FL/GL - Materials CONT.550 21,400 21,4 FL/GL - Line Pipe CONT.555 48,637 48,6 SWD/Other - Materials CONT.650 0 0 SWD/Other - Line Pipe CONT.655 0 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4								CONT.415				19,292
Facility Electrical CONT.425 32,100 32,11 Telecommunication Equipment CONT.426 486 44 Meters and Metering Equipment CONT.435 45,232 45,23 Facility Line Pipe CONT.435 31,208 31,208 Lease Automation Materials CONT.455 32,424 32,4 FL/GL - Materials CONT.550 21,400 21,40 FL/GL - Line Pipe CONT.555 48,637 48,637 SWD/Other - Materials CONT.655 0 SWD/Other - Line Pipe CONT.655 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,40 CONT.655 CONT.655 30,000 32,308,40 CONT.655 CONT.655 CONT.655 30,000 32,308,40 CONT.655 CONT.655 CONT.655 CONT.655 CONT.655 CONT.655 CO	to a second and a											64,038
Telecommunication Equipment CONT.426 486 4 Meters and Metering Equipment CONT.445 45,232 45,245,245,245,245,245,245,245,245,245,2												32,100
Meters and Metering Equipment CONT.445 45,232 45,2 Facility Line Pipe CONT.450 31,208 31,2 Lease Automation Materials CONT.455 32,424 32,4 FL/GL - Materials CONT.550 21,400 21,4 SWD/Other - Materials CONT.555 48,637 48,6 SWD/Other - Materials CONT.650 0 0 SWD/Other - Line Pipe CONT.655 0 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4												486
Facility Line Pipe CONT.450 31,208 31,2 Lease Automation Materials CONT.455 32,424 32,4 FL/GL - Materials CONT.550 21,400 21,4 FL/GL - Line Pipe CONT.555 48,637 48,6 SWD/Other - Materials CONT.650 0 0 SWD/Other - Line Pipe CONT.655 0 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4									1 1 1 1 1 1 1 1			45,232
Lease Automation Materials CONT.455 32,424 32,4 FL/GL - Materials CONT.550 21,400 21,4 FL/GL - Line Pipe CONT.555 48,637 48,63 SWD/Other - Materials CONT.650 0 0 SWD/Other - Line Pipe CONT.655 0 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4												
FL/GL - Materials CONT.550 21,400 21,4 FL/GL - Line Pipe CONT.555 48,637 48,6 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4	Andrew State of the State of th								all discounts			
FL/GL - Line Pipe												
SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4												
SWD/Other - Line Pipe CONT.655 0 Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2,308,4									100000000000000000000000000000000000000			48,637
Total Tangible Cost 393,000 810,000 285,000 790,428 30,000 2.308,4									1			(
	Total Tangible Cost		393,000		810,000		285,000		790,428		the same of the sa	2,308,428



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 204H

Description		ВСР	- Drilling		ACP - Drilling	1	Comp	/Stim	America
	Codes		Amount			Amount	Codes	CON.100	Amour 3,00
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,00
Damages	DIDC.105		16,500						4 100
Mud/Fluids Disposal	DIDC.255		200,000				STIM.255		51,00
Day Rate	DIDC.115	DICC 120	468,000	DICC,120		96,000			
Misc Preparation	DIDC.120		30,000						
Bits	DIDC.125	DICC.125	97,000	DICC.125	STIM.125	0	STIM.125		
Fuel	DIDC.135	DICC.130	119,000	DICC.130		0			
Water for Drilling Rig (Not Frac	DIDC.140	DICC 135	5.000		STIM.135	0	STIM.135		20,00
Mud & Additives	DIDC.145	5,44,155	300,000			diam'r			
SWD PIPED TO 3RD PARTY SWD	DIDC.143		300,000						
	DIDC 150	DICC.140	97,000	DICC.140	STIMA 1 40	0	STIM.140	CON.140	137,000
Surface Rentals Downhole Rentals		DICC.140	70000000	DICC. 140	311141.140	, u	STIM.145	CONTINU	35,000
	DIDC.155		131,000						33,00
Flowback Labor							STIM.141		
Automation Labor			Sec. 13						
Mud Logging	DIDC.170		5,000						
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185		70,000			140,000			
Tubular Inspections	DIDC.190	DICC.160	38,000	DICC.160	STIM.160	8,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	15,000	DICC.165	STIM.165	13,000	STIM.165		(
Mechanical Labor	DIDC.200	DICC.170	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	(
Trucking/Transportation	DIDC.205		30,000			8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210		81,000		STIM 180	13,000	STIM.180	CON.180	47,000
Trailer House/Camp/Catering	DIDC.280		36,000		STIM.280	5,000	STIM.280		31,000
Control of the Contro			5,000		STIM 190	0,000	STIM.190	CON.190	85,000
Other Misc Expenses					31IW 130		211IVI. 13U	2011.130	03,000
Overhead		DICC.195	5,000			5,000			
MOB/DEMOB	DIDC.240		115,000						
Directional Drilling Services	DIDC.245		307,000						
Solids Control	DIDC.260		46,000						
Well Control Equip (Snubbing	DIDC.265	DICC.240	84,000	DICC.240	STIM.240	0	STIM.240		64,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		(
Completion							STIM.200		257,000
Composite Plugs							STIM.390		39,000
Stimulation							STIM.210		2,245,000
Stimulation Water/Water							STIM.395		191,000
							STIM.305		60,000
Cimarex Owned Frac/Rental			70 202				511M.303		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		7,000						
Major Construction Overhead									
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
SWD/Other - Labor									
SWD/Other - Supervision									
Aid In Construct/3rd Party Connect		nudana.		DICC 220		40.000	CT11 1 220	CON 220	10000
Contingency	DIDC.435	DICC.220	118,000	DICC.220	STIM.220	15,000	STIM.220	CON.220	165,000
Contingency									
Total Intangible Cos			2,475,500			306,000			3,459,000
Conductor Pipe	DWEB.130		0			11 30			
Water String	DWEB.135		104,000						
Surface Casing	DWEB.140		251,000			1			
Intermediate Casing 1	DWEB.145		0						
Production Casing or Liner	5.1.20.1.43			DWEA.100		792,000			
				DVVEA.100		792,000	STIMT.105		139,000
Tubing	DUED	DIMEA 120	30.55	DIAMA	CTILIT 120	40.00-			
Wellhead, Tree, Chokes		DWEA.120		DWEA.120		18,000	STIMT.120		38,000
Liner Hanger, Isolation Packer	DWEB.100	DWEA.125	0	DWEA.125		0	Sec. 10. 12.		120/01
Packer, Nipples							STIMT.400		28,000
SHORT ORDERS									
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
Surface Equipment									
Well Automation Materials									
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Materials									
and the second second									
SWD/Other - Materials									
SWD/Other - Materials SWD/Other - Line Pine									
SWD/Other - Materials SWD/Other - Line Pipe Total Tangible Cost			393,000			810,000			285,000



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 204H

Total Tangible Cost		790,428			30,000	
SWD/Other - Line Pipe	CONT.655	0				2,308,42
SWD/Other - Materials	CONT.650	0				
FL/GL - Line Pipe	CONT.555	48,637				48,637
FL/GL - Materials	CONT.550	21,400				21,400
Lease Automation Materials	CONT.455	32,424				32,424
Facility Line Pipe	CONT.450	31,208				31,208
Meters and Metering Equipment	CONT.445	45,232				45,232
Telecommunication Equipment	CONT.426	486				486
Facility Electrical	CONT.425	32,100				32,100
Overhead Power Distribution	CONT.420	64,038				64,038
Secondary Containments	CONT.415	19,292		N A		19,292
Battery Equipment	CONT.410	51,879 214,003				214,003
N/C Lease Equipment Tanks, Tanks Steps, Stairs	CONT.400 CONT.405	184,334				184,334 51,879
Well Automation Materials	CONT 100	10.00	PCOMT.455	PTs, and replacing meters	5,000	5,000
Surface Equipment			PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Downhole Lift Equipment			PCOMT.410	Louis and the second	0	80,000
WALKOVERS	CONT.390	4,053				4,053
PUMPS	CONT.385	30,804				30,804
SHORT ORDERS	CONT.380	10,538				10,538
Packer, Nipples		1	PCOMT.400		0	28,000
Liner Hanger, Isolation Packer				PALE CANCELLOS CONTROL ENCL. LEURE CALLAND 12	0.073	(
Wellhead, Tree, Chokes				Replace worn chokes and valves during FB	10,000	104,000
Tubing			PCOMT.105		0	139,000
Production Casing or Liner						792,000
Intermediate Casing 1						(
Surface Casing						251,000
Water String						104,000
Total Intangible Cost Conductor Pipe		995,568			216,133	1,122,20
Contingency Total Intangible Cost	CON.221	23,508 669,568			212,193	7,122,26
Contingency	CON 220	105,542				23,508
Aid In Construct/3rd Party Connect	CON.701	40,531				40,531
SWD/Other - Supervision	CON.605	0				(0.536
SWD/Other - Labor	CON.600	0				(
Survey	CON.515	2351				2,351
FL/GL - Supervision	CON.505	14,429				14,429
FL/GL - Labor	CON.500	94,842				94,842
FL/GL - ON PAD LABOR	CON.495	37,613				37,613
Major Construction Overhead	CON.305	26,507				26,507
Well Control Insurance	27,024-00					7,000
Legal/Regulatory/Curative	CON.300	0				10,000
Cimarex Owned Frac/Rental Equipment			PCOM.305		0	60,000
Stimulation Water/Water Transfer/Water						191,000
Stimulation			PCOM.210		0	2,245,000
Composite Plugs			PCOM.390		0	39,000
Completion Logging/Perforating/Wireline			PCOM.200		0	257,000
Coil Tubing Services			PCOM.260		0	(
Completion Rig			PCOM.115		0	21,000
Well Control Equip (Snubbing Services)			PCOM.240		0	148,000
Solids Control						46,000
Directional Drilling Services				1		307,000
MOB/DEMOB						115,000
Overhead	177					10,000
Other Misc Expenses	CON.190	24,318	PCOM.190		0	114,318
Trailer House/Camp/Catering		1.,000	SAN ONITE			72,000
Supervision	CON.180	21,238	PCOM.180		0	162,238
Trucking/Transportation	CON.175	17,833	PCOM.175		0	59,833
Mechanical Labor	CON.170	139,588	PCOM.170	RU Flowback Iron & Automation	5,000	167,588
Tubular Inspections Casing Crews			FCOIVI. 160		V	28,000
Cementing & Float Equipment			PCOM.160		0	210,000
IPC & EXTERNAL PAINTING	CON.165	18,888				18,888
Mud Logging						5,000
Automation Labor	CON.150	36,558	PCOM.150		5,000	41,558
Flowback Labor			PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Downhole Rentals		7,5	PCOM,145		0	166,000
Surface Rentals	CON.140	1,378	PCOM.140	Iron. XEC Own 5K. No 10K. \$1,100 per day	60,000	295,378
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	Water for 60 days (270K barrels)	109,193	109,193
Mud & Additives				A CONTRACTOR OF THE PARTY OF TH		300,000
Fuel Water for Drilling Rig (Not Frac Water)			PCOM.135		0	25,000
Bits			PCOM.123		0	119,000
Misc Preparation			PCOM.125		0	97,000
Day Rate						564,000 30,000
Mud/Fluids Disposal			PCOM.255		0	251,000
Damages	CON.105	15807			124	32,307
House or Ferminal	CON.100	48,637	PCOM.100	Repair any roads post D&C	3,000	74,637
Roads & Location	Annual State of State					
Description Roads & Location	Codes	Amount	Codes		Amount	Cost

7/6/2022

AFE # XXXXXXX O COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 301H Date Prepared Company Entity 8/17/2022 Property Number AFF Prospect Explaration Region Well Name XXXXXX-XXX.01 XXXXXXX Mighty Pheasant 5-8 Fed Com 301H New Mexico Bone Spring Permian Basin Estimated Soud Estimated Completion County, State Location Section 5-8 T20S-R34E Lea, NM Lea, NM Ttl Measured Depth Ttl Vetical Depth Well Type X New 10870 Supplement DEV 3rd Sand Revision Drill and complete well Purpose Description The intended surface hold location for the well is 390 FNL and 1190 FWL of Section 5, T20S-R34E, and the intended bottom hole location is Drilling 100 FSL and 330 FWL of Section 8, T20S-R34E. The well is proposed to be drilled vertically to the 3rd Sand formation and laterally in a southerly direction within the formation to the referenced bottom hole location. Total vertical depth of the well is proposed to be approximately 10870 feet. After Casing Point Completed Well Cost Dry Hole Intangible \$2,475,500 Drilling Costs \$2,475,500 \$4,595,289 \$4,595,289 Completion Costs \$7,070,789 Total Intangible Cost \$2,475,500 \$4,595,289 Completed Well Cost Dry Hole After Casing Point Tangible \$1,518,000 Well Equipment \$1,125,000 \$393,000 \$840.065 Lease Equipment \$840,065 \$2,358,065 \$1,965,065 Total Tangible Cost \$393,000 \$6,560,354 Total Well Cost \$2,868,500 \$9,428,854 Comments On Well Costs 1. All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier. Well Control Insurance Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator 's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator. I elect to purchase my own well control insurance policy. Marketing Election Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above. I elect to take my gas in kind. I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract. The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well Nonoperator Approval Date Approved By (Print Name) Approved By (Signature) Company

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate

share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement



COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 301H

Description	BCP - Dr	lling	ACP -	Drilling	-	np/Stim	To Calaboration	on Equip	Post Com	A CONTRACTOR OF THE PARTY OF TH	Total
Description	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Co
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	44,205	PCOM.100	3,000	70,2
Damages	DIDC.105	16,500					CON.105	3215			19,7
Mud/Fluids Disposal	DIDC.255	200,000		10000	STIM.255	51,000		1	PCOM.255	0	251,0
Control of the Contro	DIDC.115	468,000	DICC 120	96,000	51,111.6.55	51,000					564,00
Day Rate			DICC. 120	96,000							30,00
Misc Preparation	DIDC.120	30,000	0.010.0						00011175		
Bits	DIDC.125	97,000	DICC 125	0	STIM.125	0			PCOM.125	0	97,00
Fuel	DIDC.135	119,000	DICC.130	0					PCOM.130	0	119,00
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC 135	0	STIM.135	20,000			PCOM.135	0	25,00
Mud & Additives	DIDC.145	300,000									300,00
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	87,354	87,35
Surface Rentals	DIDC.150	97,000	DICC.140	0	STIM.140	137,000	CON.140	6,912	PCOM.140	60,000	300,91
			DICC. 140				CO14.140	0,512	PCOM.145	0	166,00
Downhole Rentals	DIDC.155	131,000			STIM.145	35,000					
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,00
Automation Labor							CON.150	45,010	PCOM.150	5,000	50,01
Mud Logging	DIDC.170	5,000									5,00
IPC & EXTERNAL PAINTING							CON.165	5,144			5,14
Cementing & Float Equipment	DIDC.185	70,000	DICC.155	140,000							210,00
Tubular Inspections	DIDC.190	38,000	DICC.160	8,000	STIM.160	4,000			PCOM.160	0	50,00
				The second second					1 00111.100		28,00
Casing Crews	DIDC.195	15,000	DICC.165	13,000	STIM.165	0	A section	1000000			
Mechanical Labor	DIDC.200	20,000	DICC 170	3,000	STIM.170	0	CON.170	185,663	PCOM.170	5,000	213,66
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000	STIM.175	4,000	CON.175	16,075	PCOM.175	0	58.07
Supervision	DIDC.210	81,000	DICC 180	13,000	STIM.180	47,000	CON.180	11,574	PCOM.180	0	152,57
Trailer House/Camp/Catering	DIDC.280	36,000	DICC.255	5,000	STIM.280	31,000					72,00
Other Misc Expenses	DIDC.220	5,000	DICC 190	0	STIM.190	85,000	CON.190	19,290	PCOM.190	0	109,29
Overhead	DIDC.225	5,000	DICC 195	5,000		35,000				1	10,00
			DICC 193	3,000							115,00
MOB/DEMOB	DIDC.240	115,000									
Directional Drilling Services	DIDC.245	307,000									307,00
Solids Control	DIDC.260	46,000									46,00
Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC.240	0	STIM.240	64,000			PCOM.240	0	148,00
Completion Rig	1000				STIM.115	21,000			PCOM.115	0	21,00
Coil Tubing Services					STIM.260	0			PCOM.260	0	
ACTION OF THE PROPERTY OF THE									PCOM.200	0	257,00
Completion Logging/Perforating/Wireline					STIM.200	257,000					
Composite Plugs					STIM.390	39,000			PCOM.390	0	39,00
Stimulation					STIM.210	2,245,000			PCOM.210	0	2,245,00
Stimulation Water/Water Transfer/Water					STIM.395	191,000					191,00
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	0	60,00
Legal/Regulatory/Curative	DIDC.300	10,000				(21150)	CON.300	0			10,00
The state of the s	DIDC.285	7,000					CO14.500				7,00
Well Control Insurance	DIDC.203	7,000					-221122				7,00
Major Construction Overhead							CON.305	0			
FL/GL - ON PAD LABOR							CON.495	33,114			33,11
FL/GL - Labor							CON.500	113,970			113,97
FL/GL - Supervision							CON.505	12,056			12,05
Survey							CON.515	6,590			6,59
SWD/Other - Labor							CON.600	0			
							CON.605	0			
SWD/Other - Supervision											
Aid In Construct/3rd Party Connect							CON.701	0			
Contingency	DIDC.435	118,000	DICC.220	15,000	STIM.220	165,000	CON.220	106,737	PCOM.220	0	404,73
Contingency							CON.221	30,381			30,38
Total Intangible Cost		2,475,500		306,000		3,459,000		639,935		190,354	7,070,78
Conductor Pipe	DWEB.130	0				11.000,000					
Water String	DWEB.135	104,000									104,00
Surface Casing	DWEB.140	251,000									251,00
Intermediate Casing 1	DWEB.145	0									
Production Casing or Liner			DWEA.100	792,000							792,00
Tubing					STIMT.105	139,000			PCOMT.105	0	139,00
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,00
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125						a wally care	17.00	
Packer, Nipples	2.720.100				STIMT.400	28,000			PCOMT.400	0	28,00
and the state of t					511W1.400	20,000	CONTRACT	1140	, COMT.400	Ü	
SHORT ORDERS							CONT.380	11,253			11,25
PUMPS							CONT.385	26,362			26,36
WALKOVERS							CONT.390	6,430			6,43
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,00
Surface Equipment						100000			PCOMT.420	15,000	15,00
Well Automation Materials									PCOMT.455	5,000	5,00
							CONT 100	270.00		5,000	279,86
N/C Lease Equipment							CONT.400	279,861			2/9,86
Tanks, Tanks Steps, Stairs							CONT.405	0			
Battery Equipment							CONT.410	229,386			229,38
Secondary Containments							CONT.415	12,859			12,85
Overhead Power Distribution							CONT.420	10,288			10,28
Facility Electrical							CONT.425	48,224			48,22
Telecommunication Equipment							CONT.426	0			
											10.70
Meters and Metering Equipment							CONT.445	42,758			42,75
Facility Line Pipe							CONT.450	28,935			28,93
							CONT.455	36,972			36,97
Lease Automation Materials							CONT.550	26,684			26,68
Lease Automation Materials FL/GL - Materials											
FL/GL - Materials							CONT.555	80.052			80.09
FL/GL - Materials FL/GL - Line Pipe							CONT.555	80,052			
FL/GL - Materials FL/GL - Line Pipe SWD/Other - Materials							CONT.650	0			
FL/GL - Materials FL/GL - Line Pipe		393,000		810,000		285,000	CONT.650 CONT.655			30,000	80,05 2,358,06



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 301H

Description		BCP	- Drilling		ACP - Drilling		Comp	/Stim	America
	Codes		Amount	Codes		Amount	Codes	CONTRO	Amour
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,00
Damages	DIDC.105		16,500						5100
Mud/Fluids Disposal	DIDC.255		200,000				STIM.255		51,00
Day Rate	DIDC.115	DICC.120	468,000	DICC.120		96,000			
Misc Preparation	DIDC.120		30,000						
Bits	DIDC.125		97,000		STIM.125	0	STIM.125		
Fuel	DIDC.135		119,000			0			70.00
Water for Drilling Rig (Not Frac	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		20.00
Mud & Additives	DIDC.145		300,000						
SWD PIPED TO 3RD PARTY SWD									
Surface Rentals	DIDC.150	DICC.140	97,000	DICC.140	STIM.140	- 0	STIM.140	CON.140	137,00
Downhole Rentals	DIDC.155		131,000				STIM.145		35,00
Flowback Labor							STIM.141		
Automation Labor									
Mud Logging	DIDC.170		5,000						
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	70,000	DICC.155		140,000			
Tubular Inspections	DIDC.190	DICC.160	38,000	DICC.160	STIM.160	8,000	STIM.160		4,00
Casing Crews	DIDC.195	DICC.165	15,000	DICC.165	STIM.165	13,000	STIM.165		
Mechanical Labor		DICC.170	20,000		STIM.170	3,000	STIM.170	CON.170	- 1
Trucking/Transportation		DICC.175	30,000	A transmission of	STIM.175	8,000	STIM.175	CON.175	4,00
Supervision	DIDC.210	Salar	81,000		STIM.180	13,000	STIM.180	CON.180	47,00
Trailer House/Camp/Catering	DIDC.280		36,000		STIM.280	5,000	STIM.280		31,00
Other Misc Expenses	DIDC.220	ERSON CORNEY	5,000		STIM.190	0,000	STIM.190	CON.190	85,00
ACCOUNT OF THE PARTY OF THE PAR	DIDC.225	A result for protection	5,000		III. 130	5,000	2		55,00
Overhead MOR/DEMOR	DIDC.225	DICC.133	115,000			5,000			
MOB/DEMOB			307,000						
Directional Drilling Services	DIDC 245	-	2000000						
Solids Control	DIDC 260	DICCAM	46,000	DICCOL	CTIMADAO		CTILADAG		64,00
Well Control Equip (Snubbing	DIDC 265	DICC240	84,000	DICC.240	51IM.240	0	STIM.240 STIM.115		1000
Completion Rig									21,00
Coil Tubing Services							STIM.260		
Completion							STIM.200		257,00
Composite Plugs							STIM.390		39,00
Stimulation							STIM.210		2,245,00
Stimulation Water/Water							STIM.395		191,00
Cimarex Owned Frac/Rental							STIM.305		60,00
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		7,000						
Major Construction Overhead									
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
SWD/Other - Labor									
SWD/Other - Supervision									
Aid In Construct/3rd Party Connect									
Contingency	DIDC 425	DICC.220	118,000	DICC.220	CTIM 220	15,000	STIM.220	CON 220	165,00
	DIDC.433	DICCEEU	110,000	DICC.220	311W.22U	13,000	JIIIVILLO	CONTEG	103,00
Contingency Tatal laterally Con			2,475,500			306,000			3,459,00
Total Intangible Cos						300,000			3,433,00
Conductor Pipe	DWEB.130		0						
Water String	DWEB.135		104,000						
Surface Casing	DWEB.140		251,000						
Intermediate Casing 1	DWEB.145		0			and the same			
Production Casing or Liner				DWEA.100		792,000			
Tubing					A. S. J.	1100	STIMT.105		139,00
Wellhead, Tree, Chokes		DWEA.120			STIMT.120	18,000	STIMT.120		38,00
Liner Hanger, Isolation Packer	DWEB.100	DWEA.125	0	DWEA.125		0			
Packer, Nipples							STIMT.400		28,00
SHORT ORDERS									
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,00
Surface Equipment									
Well Automation Materials									
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Overhead Power Distribution Facility Electrical									
Facility Electrical									
Facility Electrical Telecommunication Equipment									
Facility Electrical Telecommunication Equipment Meters and Metering Equipment									
Facility Electrical Telecommunication Equipment Meters and Metering Equipment Facility Line Pipe		1							
Facility Electrical Telecommunication Equipment Meters and Metering Equipment Facility Line Pipe Lease Automation Materials		0							
Facility Electrical Telecommunication Equipment Meters and Metering Equipment Facility Line Pipe Lease Automation Materials FL/GL - Materials		11							
Facility Electrical Telecommunication Equipment Meters and Metering Equipment Facility Line Pipe Lease Automation Materials FL/GL - Materials FL/GL - Materials									
Facility Electrical Telecommunication Equipment Meters and Metering Equipment Facility Line Pipe Lease Automation Materials FL/GL - Materials FL/GL - Materials SWD/Other - Materials									
Facility Electrical Telecommunication Equipment Meters and Metering Equipment Facility Line Pipe Lease Automation Materials FL/GL - Materials FL/GL - Materials			393,000			810,000			285,00



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 301H

Description		Production Equip			Post Completion	American	Total
	Codes		Amount	Codes	and the second sections	Amount	70,20
Roads & Location	CON.100		44,205	PCOM.100	Repair any roads post D&C	3,000	
Damages	CON.105		3215				19,7
Mud/Fluids Disposal				PCOM.255		0	251,00
Day Rate							564,00
Misc Preparation							30,00
Bits				PCOM.125		0	97,00
Fuel				PCOM.130		0	119,00
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,00
Mud & Additives							300,00
SWD PIPED TO 3RD PARTY SWD WELL				PCOM.257	Water for 60 days (270K barrels)	87,354	87,35
Surface Rentals	CON.140		6,912	PCOM.140	Iron. XEC Own 5K. No 10K. \$1,100 per day	60,000	300,91
Downhole Rentals				PCOM.145		0	166,00
Flowback Labor	1000			PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,00
Automation Labor	CON 150		45,010	PCOM.150		5,000	50,01
Mud Logging	- 10						5,00
IPC & EXTERNAL PAINTING	CON 165		5,144				5,14
Cementing & Float Equipment							210,00
Tubular Inspections				PCOM.160		0	50,00
Casing Crews							28,00
Mechanical Labor	CON.170		185,663	PCOM.170	RU Flowback Iron & Automation	5,000	213,66
Trucking/Transportation	CON.175		16,075	PCOM.175		0	58,07
Supervision	CON.180		11,574	PCOM.180		0	152,57
Trailer House/Camp/Catering			- 3941.54				72,00
Other Misc Expenses	CON.190		19,290	PCOM.190		0	109,29
Overhead			. 5,250	. 2301.130			10,00
MOB/DEMOB							115,00
Directional Drilling Services							307,00
Solids Control							46,00
				PCOM.240		0	148,00
Well Control Equip (Snubbing Services)							
Completion Rig				PCOM.115		0	21,00
Coil Tubing Services				PCOM.260		0	
Completion Logging/Perforating/Wireline				PCOM.200		0	257,00
Composite Plugs				PCOM.390		0	39,00
Stimulation				PCOM.210		0	2,245,00
Stimulation Water/Water Transfer/Water							191,00
Cimarex Owned Frac/Rental Equipment				PCOM.305		0	60,00
Legal/Regulatory/Curative	CON.300		0				10,00
Well Control Insurance							7,00
Major Construction Overhead	CON.305		0				1
FL/GL - ON PAD LABOR	CON.495		33,114				33,11-
FL/GL - Labor	CON.500		113,970				113,97
FL/GL - Supervision	CON.505		12,056				12,05
Survey	CON.515		6590				6,59
SWD/Other - Labor	CON.600		0				
SWD/Other - Supervision	CON.605		0				
Aid In Construct/3rd Party Connect	CON.701		0				
Contingency	CON.220		106,737				404,73
Contingency	CON.221						30,38
	CON,221		30,381			190,354	7,070,78
Total Intangible Cost			639,935			190,554	7,070,78
Conductor Pipe							
Water String							104,00
Surface Casing							251,00
Intermediate Casing 1							
Production Casing or Liner							792,00
Tubing				PCOMT.105	and the second second second second	0	139,00
Wellhead, Tree, Chokes				PCOMT.120	Replace worn chokes and valves during FB	10,000	104,00
Liner Hanger, Isolation Packer							
Packer, Nipples				PCOMT.400		0	28,00
SHORT ORDERS	CONT.380		11,253				11,25
PUMPS	CONT.385		26,362				26,36
WALKOVERS	CONT.390		6,430				6,43
Downhole Lift Equipment				PCOMT.410		0	80,00
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials	25.31				PTs, and replacing meters	5,000	5,00
N/C Lease Equipment	CONT.400		279,861	and appropriate	- All Andrews - Andrews	100	279,86
Tanks, Tanks Steps, Stairs	CONT.405		0				
Battery Equipment	CONT.410		229,386				229,38
Secondary Containments	CONT.415		12,859				12,85
Overhead Power Distribution	CONT.420		10,288				10,28
Facility Electrical	CONT.425		48,224				48,22
Telecommunication Equipment	CONT.425						40,22
	to the same through the same		42.750				42.75
Meters and Metering Equipment	CONT.445		42,758				42,75
Facility Line Pipe	CONT.450		28,935				28,93
Lease Automation Materials	CONT.455		36,972				36,97
FL/GL - Materials	CONT.550		26,684				26,68
FL/GL - Line Pipe	CONT.555		80,052				80,05
SWD/Other - Materials	CONT.650		0				
	CONT.655						
SWD/Other - Line Pipe Total Tangible Cost	COM1.655		840,065			30,000	2,358,06

7/6/2022

O COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 302H AFE # XXXXXXX Date Prepared Company Entity 8/17/2022 Property Number AFF Exploration Region Well Name Prospect XXXXXX-XXX.01 XXXXXXX Permian Basin Mighty Pheasant 5-8 Fed Com 302H New Mexico Bone Spring Estimated Completion Estimated Soud County, State Location Lea, NM Section 5-8 T20S-R34E Lea, NM Itl Vetical Deoth X New Well Type Ttl Measured Depth 10860 Supplement 3rd Sand DEV 20360 Revision Purpose Drill and complete well Description The intended surface hold location for the well is 390 FNL and 1230 FWL of Section 5, T205-R34E, and the intended bottom hole location is Drilling 100 FSL and 1744 FWL of Section 8, T20S-R34E. The well is proposed to be drilled vertically to the 3rd Sand formation and laterally in a southerly direction within the formation to the referenced bottom hole location. Total vertical depth of the well is proposed to be approximately 10860 feet. Completed Well Cost After Casing Point Dry Hole Intangible Drilling Costs \$2,475,500 \$2,475,500 \$4,595,289 \$4,595,289 Completion Costs Total Intangible Cost \$2,475,500 \$4,595,289 \$7,070,789 After Casing Point Completed Well Cost Tangible Dry Hole \$1,518,000 \$1,125,000 Well Equipment \$393,000 \$840,065 \$840,065 Lease Equipment \$1,965,065 \$2,358,065 Total Tangible Cost \$393,000 Total Well Cost \$6,560,354 \$9,428,854 \$2,868,500 Comments On Well Costs 1. All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier. Well Control Insurance Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator 's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator. I elect to purchase my own well control insurance policy. Marketing Election Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above. I elect to take my gas in kind. ☐ I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract. The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well. Nonoperator Approval Company Approved By (Print Name) Approved By (Signature) Date NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate

share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 302H

Description	BCP - Dr	illing	ACP - I	Drilling	Con	np/Stim	Producti	on Equip	Post Com		Total
Description	Codes	Amount	Codes	Amount	Codes	Amount		Amount	Codes	Amount	Cos
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	44,205	PCOM.100	3,000	70,20
Damages	DIDC.105	16,500					CON,105	3215			19,71
Mud/Fluids Disposal	DIDC.255	200,000			STIM.255	51,000			PCOM.255	0	251,00
Day Rate	DIDC.115	468,000	DICC.120	96,000							564,00
Misc Preparation	DIDC.120	30,000									30,000
Bits	DIDC.125	97,000	DICC.125	-0	STIM.125	0			PCOM 125	0	97,000
Fuel	DIDC.135	119,000	DICC.130	0					PCOM.130	0	119,00
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC 135	0	STIM.135	20,000			PCOM.135	0	25,000
Mud & Additives	DIDC.145	300,000									300,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	87,354	87,35
Surface Rentals	DIDC.150	97,000	DICC.140	0	STIM.140	137,000	CON.140	6,912	PCOM.140	60,000	300,91
Downhole Rentals	DIDC 155	131,000			STIM.145	35,000			PCOM.145	0	166,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	45,010	PCOM.150	5,000	50,010
Mud Logging	DIDC.170	5,000							-		5,000
IPC & EXTERNAL PAINTING	8.541.7.3	345.57					CON.165	5,144			5,14
Cementing & Float Equipment	DIDC.185	70,000	DICC.155	140,000							210,000
Tubular Inspections	DIDC.190	38,000	DICC.160	8,000	STIM.160	4,000			PCOM.160	0	50,000
Casing Crews	DIDC.195	15,000	DICC.165	13,000	STIM.165	0					28,000
Mechanical Labor	DIDC.200	20,000	DICC.170	3,000	STIM.170	0		185,663	PCOM.170	5,000	213,66
			DICC.175		STIM.175			16,075	PCOM.175	0	58,075
Trucking/Transportation	DIDC.205	30,000		8,000		4,000			Independent begins	0	152,574
Supervision	DIDC.210	81,000	DICC 180	13,000	STIM.180	47,000		11,574	PCOM.180	U	72,000
Trailer House/Camp/Catering	DIDC.280	36,000	DICC 255	5,000	STIM.280	31,000			DCCHARGO		
Other Misc Expenses	DIDC.220	5,000	DICC 190	0	STIM.190	85,000	CON.190	19,290	PCOM.190	0	109,290
Overhead	DIDC 225	5,000	DICC.195	5,000							10,000
MOB/DEMOB	DIDC 240	115,000									115,000
Directional Drilling Services	DIDC.245	307,000									307,000
Solids Control	DIDC.260	46,000							Mark Plants		46,000
Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC 240	0	STIM.240	64,000			PCOM.240	0	148,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	0			PCOM.260	0	(
Completion Logging/Perforating/Wireline					STIM.200	257,000			PCOM.200	0	257,000
Composite Plugs					STIM.390	39,000			PCOM.390	0	39,000
Stimulation					STIM.210	2,245,000			PCOM.210	0	2,245,000
Stimulation Water/Water Transfer/Water					STIM.395	191,000					191,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM,305	0	60,000
Legal/Regulatory/Curative	DIDC.300	10,000				13000	CON.300	0	30110000		10,000
Well Control Insurance	DIDC 285	7,000									7,000
Major Construction Overhead	0.0000	1,000					CON.305	ō			(
FL/GL - ON PAD LABOR							CON.495	33,114			33,114
FL/GL - Labor							CON.500	113,970			113,970
							CON.505	12,056			12,056
FL/GL - Supervision							CON.515	6,590			6,590
Survey)
SWD/Other - Labor							CON.600	0			
SWD/Other - Supervision							CON.605	0			
Aid In Construct/3rd Party Connect	January	2.780.000	Harrie da l	10,222	440000000	ATTACKS.	CON,701	0	Wayniage!		101 000
Contingency	DIDC.435	118,000	DICC.220	15,000	STIM.220	165,000		106,737	PCOM.220	0	404,737
Contingency							CON.221	30,381		-	30,381
Total Intangible Cost		2,475,500		306,000		3,459,000		639,935		190,354	7,070,789
Conductor Pipe	DWEB.130	.0									(
Water String	DWEB.135	104,000									104,000
Surface Casing	DWEB.140	251,000									251,000
Intermediate Casing 1	DWEB.145	0									.(
Production Casing or Liner			DWEA.100	792,000					- 1		792,000
Tubing					STIMT.105	139,000			PCOMT.105	0	139,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125	0					27.74		(
Packer, Nipples	-2.2000				STIMT.400	28,000			PCOMT.400	0	28,000
SHORT ORDERS						34,030	CONT.380	11,253	D SCHOOL DESIGNATION		11,253
PUMPS							CONT.385	26,362			26,362
WALKOVERS							CONT.390	6,430			6,430
Downhole Lift Equipment					STIMT.410	80,000		0,450	PCOMT.410	0	80,000
The state of the s					211W11.410	80,000			PCOMT.410	15,000	15,000
Surface Equipment Well Automation Materials									PCOMT.455	5,000	5,000
Well Automation Materials							CONT 100	270.05	FCUWII.455	3,000	
N/C Lease Equipment							CONT.400	279,861			279,861
Tanks, Tanks Steps, Stairs							CONT.405	0			220.20
Battery Equipment							CONT.410	229,386			229,386
Secondary Containments							CONT.415	12,859			12,859
Overhead Power Distribution							CONT.420	10,288			10,288
Facility Electrical							CONT.425	48,224			48,224
Telecommunication Equipment							CONT.426	0			(
Meters and Metering Equipment							CONT.445	42,758			42,758
Facility Line Pipe							CONT.450	28,935			28,93
Lease Automation Materials							CONT.455	36,972			36,97
FL/GL - Materials							CONT.550	26,684			26,68
FL/GL - Line Pipe							CONT.555	80,052			80,05
							CONT.650	00,032			1
SWD/Other - Materials								0			
SWD/Other - Materials SWD/Other - Line Pipe											
SWD/Other - Materials SWD/Other - Line Pipe Total Tangible Cost		393,000	-	810,000		285,000	CONT.655	840,065		30,000	2,358,065



COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 302H AFE # XXXXXXXX

Description			BCP - Drilling		ACP - Drilling		Comp	/Stim	
Description	Codes		Amount	Codes		Amount	Codes	and the same of	Amoun
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,00
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000			1	STIM.255		51,000
Day Rate	DIDC.115	DICC.120	468,000	DICC,120		96,000			
Misc Preparation	DIDC.120		30,000					1	
Bits	DIDC.125	DICC.125	97,000		STIM,125	0	STIM.125		(
Fuel	DIDC.135	DICC130	119,000			0			
Water for Drilling Rig (Not Frac	DIDC.140	DICC.135	5,000		STIM.135	0	STIM.135		20,000
Mud & Additives	DIDC.145		300,000						
SWD PIPED TO 3RD PARTY SWD			_						
Surface Rentals	DIDC.150	DICC.140	97,000	DICC.140	STIM.140	0	STIM.140	CON.140	137,000
Downhole Rentals	DIDC.155		131,000				STIM.145		35,000
Flowback Labor							STIM.141		
Automation Labor									
Mud Logging	DIDC.170		5,000						
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	70,000	DICC.155		140,000			1
Tubular Inspections	DIDC.190	DICC.160	38,000	DICC.160	STIM.160	8,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	15,000	DICC.165	STIM.165	13,000	STIM.165		(
Mechanical Labor	DIDC.200	DICC.170	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	(
Trucking/Transportation	DIDC 205	A Author Street Street	30,000		STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000			13,000	STIM.180	CON.180	47,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	36,000	DICC.255	STIM.280	5,000	STIM.280		31,000
Other Misc Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190	CON.190	85,000
Overhead	DIDC.225	DICC.195	5,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		115,000						
Directional Drilling Services	DIDC.245		307,000						
Solids Control	DIDC 260		46,000						1
Well Control Equip (Snubbing	DIDC 265	DICC.240	84,000	DICC.240	STIM.240	0	STIM.240		64,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		0
Completion							STIM.200		257,000
Composite Plugs							STIM.390		39,000
Stimulation							STIM.210		2,245,000
Stimulation Water/Water						1	STIM.395		191,000
Cimarex Owned Frac/Rental							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		7,000						
Major Construction Overhead	DIDELEGS		7,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey						1			
SWD/Other - Labor									
SWD/Other - Supervision						1			
Aid In Construct/3rd Party Connect			-						
Contingency	DIDC.435	DICC 220	118 000	DICC.220	STIM 220	15,000	STIM.220	CON.220	165,000
	DIDCASS	DICC.220	110,000	DICC.220	311W.220	13,000	311141.220	CO14.220	105,000
Contingency Total Intangible Cos	-		2,475,500			306,000			3,459,000
Conductor Pipe	DWEB.130		2,473,500			300,000			3,433,000
	DWEB.135		104,000						
Water String			0.000						
Surface Casing Intermediate Casing 1	DWEB.140 DWEB.145		251,000						
	DWEB.145		0			707.000			
Production Casing or Liner				DWEA.100		792,000			430.000
Tubing	DWED 11-	DWEA 120	30.000	DIATA	CTILIT 120	40.000	STIMT.105		139,000
Wellhead, Tree, Chokes		DWEA.120			STIMT,120	18,000	STIMT.120		38,000
Liner Hanger, Isolation Packer	DWEB.100	DWEA 125	0	DWEA.125		0	CTIL (** ***		20.444
Packer, Nipples							STIMT.400		28,000
SHORT ORDERS									
PUMPS									
WALKOVERS							40.75		9,394
Downhole Lift Equipment							STIMT.410		80,000
Surface Equipment									
Well Automation Materials									
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical						1			
Telecommunication Equipment									
Meters and Metering Equipment			1						
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Materials									
SWD/Other - Materials									
SWD/Other - Line Pipe									
Total Tangible Cost			393,000			810,000		-	285,000
Total Estimated Cost			2,868,500			1,116,000			3,744,000



COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 302H

Description		Production Equip			Post Completion	Auconal	Total
Description	Codes		mount	Codes		Amount	Co
Roads & Location	CON.100		44,205	PCOM.100	Repair any roads post D&C	3,000	70,20
Damages	CON.105		3215				19,7
Mud/Fluids Disposal				PCOM.255		0	251,00
Day Rate							564,00
Misc Preparation							30,00
Bits				PCOM.125		0	97,00
Fuel				PCOM.130		0	119,00
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,00
Mud & Additives						100	300,00
SWD PIPED TO 3RD PARTY SWD WELL				PCOM.257	Water for 60 days (270K barrels)	87,354	87,35
Surface Rentals	CON.140		6,912	PCOM.140	Iron. XEC Own 5K. No 10K. \$1,100 per day	60,000	300,91
Downhole Rentals	CO14,140		0,512	PCOM.145	months of the ten and the early	0	166,00
001200000000000000000000000000000000000					3 51-1-1-1 Handa (60 days) 35%	30,000	30,00
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%		
Automation Labor	CON.150		45,010	PCOM.150		5,000	50,01
Mud Logging							5,00
IPC & EXTERNAL PAINTING	CON.165		5,144				5,14
Cementing & Float Equipment							210,00
Tubular Inspections				PCOM.160		0	50,00
Casing Crews							28,00
Mechanical Labor	CON.170		85,663	PCOM.170	RU Flowback Iron & Automation	5,000	213,66
Trucking/Transportation	CON.175		16,075	PCOM.175		0	58,07
Supervision	CON.180		11,574	PCOM.180		0	152,57
to the second se	2014.100		0.007.5	. 2011.100			72,00
Trailer House/Camp/Catering	CONTRO		10 200	00011100		0	109,29
Other Misc Expenses	CON.190		19,290	PCOM.190		U	10,00
Overhead							
MOB/DEMOB							115,00
Directional Drilling Services							307,00
Solids Control							46,00
Well Control Equip (Snubbing Services)				PCOM.240		0	148,00
Completion Rig				PCOM.115		0	21,00
Coil Tubing Services				PCOM.260		0	
Completion Logging/Perforating/Wireline				PCOM.200		0	257,00
Composite Plugs				PCOM.390		0	39,00
The state of the s				PCOM.210		0	2,245,00
Stimulation				PCOM.210		U	191,00
Stimulation Water/Water Transfer/Water							
Cimarex Owned Frac/Rental Equipment				PCOM.305		0	60,00
Legal/Regulatory/Curative	CON.300		0				10,00
Well Control Insurance							7,00
Major Construction Overhead	CON.305		0				
FL/GL - ON PAD LABOR	CON.495		33,114				33,11
FL/GL - Labor	CON.500		13,970				113,97
FL/GL - Supervision	CON.505		12,056				12,05
Survey	CON.515		6590				6,59
	CON.600						0,55
SWD/Other - Labor	C. C. V.		0				
SWD/Other - Supervision	CON.605		0				
Aid In Construct/3rd Party Connect	CON.701		0				700000
Contingency	CON.220		06,737				404,73
Contingency	CON.221		30,381				30,38
Total Intangible Cost			639,935			190,354	7,070,78
Conductor Pipe							
Water String							104,00
Surface Casing							251,00
Intermediate Casing 1							25,115
Production Casing or Liner							792,00
A COLOR OF THE COL				DCOLUT 105		0	139,00
Tubing				PCOMT.105	Books when the books of the books	and the second of	
Wellhead, Tree, Chokes				PCOMT.120	Replace worn chokes and valves during FB	10,000	104,00
Liner Hanger, Isolation Packer						- 5	
Packer, Nipples				PCOMT.400		0	28,00
SHORT ORDERS	CONT.380		11,253				11,25
PUMPS	CONT.385		26,362				26,36
WALKOVERS	CONT.390		6,430				6,43
Downhole Lift Equipment	*****			PCOMT.410		0	80,00
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,00
Well Automation Materials				PCOMT.455	PTs, and replacing meters	5,000	5,00
	CONT.400		70.00	. CON1.433	1. 1. and replacing meters	3,000	279,86
N/C Lease Equipment	and the second section of the second		79.861				279,00
Tanks, Tanks Steps, Stairs	CONT.405		0				
Battery Equipment	CONT.410		29,386				229,38
Secondary Containments	CONT.415		12,859				12,85
Overhead Power Distribution	CONT.420		10,288				10,28
Facility Electrical	CONT.425		48,224				48,22
Telecommunication Equipment	CONT.426		0				
Meters and Metering Equipment	CONT.445		42,758				42,75
Facility Line Pipe	CONT.450		28,935				28,93
Lease Automation Materials	CONT.455		36,972				36,97
FL/GL - Materials	CONT.550						26,68
			26,684				
FL/GL - Line Pipe	CONT.555		80,052			1	80,05
Cititata Materials	CONT.650		0				
SWD/Other - Materials	792307020						
SWD/Other - Line Pipe Total Tangible Cost	CONT.655		840.065			30,000	2,358,06

COTERRA

Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 303H

AFE # XXXXXXX

Company Entity				Date Prepared 8/17/2022
Exploration Region Permian Basin	Well Name Mighty Pheasant 5-8 Fed Com 303H	Prospect New Mexico Bone Spring	Property Numb	ber AFE XXXXXXXX
County, State Lea, NM	Location Section 5-8 T20S-R34E Lea, NM		Estimated Spud	Estimated Completion
X New Supplement Revision	Formator 3rd Sand	Well Type DEV	Ttl Measured Depth 20350	Ttl Vetical Depth 10850
Purpose Drill Description	and complete well			
	ne intended surface hold location for the well i			

After Casing Point Completed Well Cost Dry Hole Intangible \$2,475,500 Drilling Costs \$2,475,500 \$4,624,922 \$4,624,922 Completion Costs \$7,100,422 Total Intangible Cost \$2,475,500 \$4,624,922 Completed Well Cost Dry Hole After Casing Point Tangible \$1,518,000 \$1,125,000 Well Equipment \$393,000 \$790,428 Lease Equipment \$790,428 \$2,308,428 \$1,915,428 Total Tangible Cost \$393,000 \$9,408,850 Total Well Cost \$2,868,500 \$6,540,350

southerly direction within the formation to the referenced bottom hole location. Total vertical depth of the well is proposed to be

Comments On Well Costs

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

approximately 10850 feet.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

l elect to take my gas in kind.	
l elect to market my gas with	Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

7/6/2022

^{1.} All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 303H

Description	BCP - Dr	illing	ACP - I	Drilling		p/Stim	Producti	on Equip	Post Com	- Carlotte	Total
Description	Codes	Amount	Codes	Amount		Amount	Codes	Amount		Amount	Cos
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	48,637	PCOM.100	3,000	74,63
Damages	DIDC.105	16,500					CON.105	15807	weeks - 274		32,30
Mud/Fluids Disposal	DIDC.255	200,000			STIM.255	51,000			PCOM.255	0	251,000
Day Rate	DIDC.115	468,000	DICC.120	96,000							564,000
Misc Preparation	DIDC.120	30,000									30,000
Bits	DIDC.125	97,000	DICC.125	0	STIM.125	0			PCOM.125	0	97,000
Fuel	DIDC.135	119,000	DICC.130	.0					PCOM.130	0	119,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC 135	0	STIM.135	20,000			PCOM.135	0	25,000
Mud & Additives	DIDC.145	300,000							1		300,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	87,354	87,354
Surface Rentals	DIDC.150	97,000	DICC.140	0	STIM.140	137,000	CON.140	1,378	PCOM.140	60,000	295,378
Downhole Rentals	DIDC.155	131,000			STIM.145	35,000			PCOM.145	0	166,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor					21111111111		CON.150	36,558	PCOM.150	5,000	41,558
Mud Logging	DIDC.170	5,000					0014.150	50,550	1 4411111111111111111111111111111111111	-10-00	5,000
IPC & EXTERNAL PAINTING	DIDCITTO	3,000					CON:165	18,888			18,888
	DIDC.185	70,000	DICC.155	140,000			CON.103	10,000			210,000
Cementing & Float Equipment			DICC.160		STIM.160	4.000			PCOM.160	0	50,000
Tubular Inspections	DIDC.190	38,000				4,000			PCOM.160	0	28,000
Casing Crews	DIDC,195	15,000	DICC.165	13,000		.0			00011170	F 000	
Mechanical Labor	DIDC.200	20,000	DICC.170	3,000		0	CON.170	139,588	PCOM.170	5,000	167,588
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000		4,000		17,833	PCOM.175	0	59,833
Supervision	DIDC.210	81,000	DICC.180	13,000		47,000	CON.180	21,238	PCOM.180	0	162,238
Trailer House/Camp/Catering	DIDC.280	36,000	DICC.255	5,000	STIM.280	31,000					72,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	85,000	CON.190	24,318	PCOM.190	0	114,318
Overhead	DIDC.225	5,000	DICC.195	5,000							10,000
MOB/DEMOB	DIDC.240	115,000									115,000
Directional Drilling Services	DIDC.245	307,000									307,000
Solids Control	DIDC.260	46,000									46,000
Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC.240	0	STIM.240	64,000			PCOM.240	0	148,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	0			PCOM.260	0	0
Completion Logging/Perforating/Wireline					STIM.200	257,000			PCOM.200	0	257,000
Composite Plugs					STIM.390	39,000			PCOM.390	0	39,000
Stimulation					STIM.210	2,245,000			PCOM.210	0	2,245,000
									PCOW.Z10		191,000
Stimulation Water/Water Transfer/Water					STIM.395	191,000			00011305	0	60,000
Cimarex Owned Frac/Rental Equipment	1000000	154625			STIM.305	60,000			PCOM.305	U	
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	7,000									7,000
Major Construction Overhead							CON.305	26,507			26,507
FL/GL - ON PAD LABOR							CON.495	37,613			37,613
FL/GL - Labor							CON.500	94,842			94,842
FL/GL - Supervision							CON.505	14,429			14,429
Survey							CON.515	2,351			2,351
SWD/Other - Labor							CON.600	0			0
SWD/Other - Supervision							CON.605	0			0
Aid In Construct/3rd Party Connect							CON.701	40,531			40,531
Contingency	DIDC.435	118,000	DICC 220	15,000	STIM.220	165,000	CON.220	105,542	PCOM.220	0	403,542
Contingency							CON.221	23,508			23,508
Total Intangible Cost		2,475,500		306,000		3,459,000		669,568		190,354	7,100,422
Conductor Pipe	DWEB.130	0		200,000		3,453,000		003/503			0
Water String	DWEB.135	104,000									104,000
Therefore the control of the control	DWEB.140	251,000									251,000
Surface Casing		251,000									231,000
Intermediate Casing 1	DWEB 145	0	DIAFATON	707.000							
Production Casing or Liner			DWEA.100	792,000					20012		792,000
Tubing	-	222	- But-	122.00	STIMT.105	139,000			PCOMT.105	0	139,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125	0	200				THE CONTRACT OF		0
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
SHORT ORDERS							CONT.380	10,538			10,538
PUMPS							CONT.385	30,804			30,804
WALKOVERS							CONT.390	4,053	V-100-1-1-1		4,053
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
Surface Equipment									PCOMT.420	15,000	15,000
Well Automation Materials									PCOMT.455	5,000	5,000
N/C Lease Equipment							CONT.400	184,334	1		184,334
Tanks, Tanks Steps, Stairs							CONT.405	51,879			51,879
Battery Equipment							CONT.410	214,003			214,003
Secondary Containments							CONT.415	19,292			19,292
Overhead Power Distribution							CONT.420	64,038			64,038
Facility Electrical							CONT.425	32,100			32,100
Telecommunication Equipment							CONT.426	486			486
Meters and Metering Equipment							CONT.426	45,232	1		45,232
											31,208
Facility Line Pipe							CONT.450	31,208			
Lease Automation Materials							CONT.455	32,424			32,424
FL/GL - Materials							CONT.550	21,400			21,400
FL/GL - Line Pipe							CONT.555	48,637			48,637
SWD/Other - Materials							CONT.650	0			C
SWD/Other - Line Pipe							CONT.655	0			0
Total Tanaible Cost		393,000		810,000		285,000		790,428		30,000	2,308,428
Total Tangible Cost		393,000		010,000		285,000		1,70,420		50,000	E/200/4E0



COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 303H

Description		ВСР	- Drilling		ACP - Drilling	7	Comp	/Stim	Anna
	Codes		Amount	Codes		Amount	Codes	CON.100	Amoun 3,000
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						51,000
Mud/Fluids Disposal	DIDC.255	0.0202	200,000				STIM.255		51,000
Day Rate		DICC.120	468,000	DICC.120		96,000			
Misc Preparation	DIDC.120		30,000				CT11.125		
Bits	DIDC.125		97,000		STIM.125	0	STIM.125		
Fuel	DIDC.135	DICC 130	119,000	DICC.130	2.5.	0			20,000
Water for Drilling Rig (Not Frac	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		20,000
Mud & Additives	DIDC.145		300,000						
SWD PIPED TO 3RD PARTY SWD						1.1		Water 1970	
Surface Rentals	DIDC.150	DICC.140	97,000	DICC.140	STIM.140	0	STIM.140	CON.140	137,000
Downhole Rentals	DIDC.155		131,000				STIM.145		35,000
Flowback Labor							STIM.141		0
Automation Labor									
Mud Logging	DIDC.170		5,000						
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	70,000	DICC.155		140,000			
Tubular Inspections	DIDC.190	DICC.160	38,000	DICC.160	STIM 160	8,000	STIM.160		4,000
Casing Crews	DIDC.195		15,000		STIM.165	13,000	STIM.165	1	0
Mechanical Labor		DICC 170		DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC 205		30,000		STIM.175	8,000	STIM.175	CON.175	4,000
Supervision		DICC.180	81,000		STIM.180	13,000	STIM.180	CON.180	47,000
Trailer House/Camp/Catering	DIDC.280		36,000			5,000	STIM.280		31,000
And and desirable of the section of	DIDC.220		5,000			0,000	STIM.190	CON.190	85,000
Other Misc Expenses	DIDC.225	DICC.190			311W.120	5,000	311W.130	3011.130	05,000
Overhead		DICC.193	5,000			5,000		1	
MOB/DEMOB	DIDC.240		115,000						
Directional Drilling Services	DIDC.245		307,000						
Solids Control	DIDC.260		46,000				CONT.		
Well Control Equip (Snubbing	DIDC.265	DICC240	84,000	DICC.240	STIM.240	0	STIM.240		64,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		0
Completion							STIM.200		257,000
Composite Plugs							STIM.390		39,000
Stimulation							STIM.210		2,245,000
Stimulation Water/Water						1	STIM.395		191,000
Cimarex Owned Frac/Rental							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000			1			
Well Control Insurance	DIDC.285		7,000						
Major Construction Overhead									
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
SWD/Other - Labor						-			
SWD/Other - Supervision									
Aid In Construct/3rd Party Connect		DISCORD		nice and			CTU 4 220	CON 220	105,000
Contingency	DIDC.435	DICC.220	118,000	DICC.220	S11M.220	15,000	STIM.220	CON.220	165,000
Contingency									7.000
Total Intangible Cos			2,475,500			306,000			3,459,000
Conductor Pipe	DWEB.130		0						
Water String	DWEB.135		104,000						
Surface Casing	DWEB.140		251,000						
Intermediate Casing 1	DWEB.145		0						
Production Casing or Liner				DWEA.100		792,000			
Tubing							STIMT.105		139,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT,120		38,000
Liner Hanger, Isolation Packer	DWEB.100	DWEA125	0	DWEA.125		0			
Packer, Nipples						1	STIMT.400		28,000
SHORT ORDERS									
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
Surface Equipment									20,000
Well Automation Materials									
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Materials									
SWD/Other - Materials									
SWD/Other - Line Pipe									
SWD/Other - Line Pipe Total Tangible Cost			393,000			810,000	-		285,000



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 303H AFE # XXXXXXX

Description		Production Equip		Post Completion	Aminust	Total
	Codes	Amount	Codes	Banais any tondo and Disc	Amount 3,000	74,63
Roads & Location	CON.100	48,637	PCOM.100	Repair any roads post D&C	5,000	32,30
Damages	CON.105	15807	20011255		0	251,00
Mud/Fluids Disposal			PCOM.255			564,00
Day Rate						30,000
Misc Preparation			PCOM.125		0	97,000
Bits			PCOM.123		0	119,000
Fuel			PCOM.135		0	25,000
Water for Drilling Rig (Not Frac Water)			PCOW, 133			300,000
Mud & Additives SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	Water for 60 days (270K barrels)	87,354	87,354
Surface Rentals	CON.140	1,378		Iron. XEC Own 5K. No 10K. \$1,100 per day	60,000	295,378
Downhole Rentals	CON.140	1,370	PCOM.145	months of the territory and	0	166,000
Flowback Labor			PCOM.141	3 Flowback Hands (60 days), 25%	30,000	30,000
Automation Labor	CON.150	36,558		S (10110000 (101100 (00 00)), DOIS	5,000	41,558
Mud Logging	CO14.130	30,330	1 COM. 150	2	*****	5,000
IPC & EXTERNAL PAINTING	CON.165	18,888				18,888
Cementing & Float Equipment	CONTROL	10,000				210,000
Tubular Inspections			PCOM.160		0	50,000
Casing Crews						28,000
Mechanical Labor	CON.170	139,588	PCOM.170	RU Flowback Iron & Automation	5,000	167,588
Trucking/Transportation	CON.175	17,833			0	59,833
Supervision	CON.180	21,238			0	162,238
Trailer House/Camp/Catering		21,230				72,000
Other Misc Expenses	CON.190	24,318	PCOM.190		0	114,318
Overhead		2.00	14.11		7	10,000
MOB/DEMOB						115,000
Directional Drilling Services						307,000
Solids Control						46,000
Well Control Equip (Snubbing Services)			PCOM.240		0	148,000
Completion Rig			PCOM.115		0	21,000
Coil Tubing Services			PCOM.260		0	0
Completion Logging/Perforating/Wireline			PCOM.200		0	257,000
Composite Plugs			PCOM.390		0	39,000
Stimulation			PCOM.210		0	2,245,000
Stimulation Water/Water Transfer/Water						191,000
Cimarex Owned Frac/Rental Equipment			PCOM.305		0	60,000
Legal/Regulatory/Curative	CON.300	0				10,000
Well Control Insurance						7,000
Major Construction Overhead	CON.305	26,507				26,507
FL/GL - ON PAD LABOR	CON.495	37,613				37,613
FL/GL - Labor	CON.500	94,842				94,842
FL/GL - Supervision	CON.505	14,429				14,429
Survey	CON.515	2351				2,351
SWD/Other - Labor	CON.600	0				(
SWD/Other - Supervision	CON.605	.0				
Aid In Construct/3rd Party Connect	CON.701	40,531				40,531
Contingency	CON.220	105,542				403,542
Contingency	CON.221	23,508				23,508
Total Intangible Cost		669,568			190,354	7,100,422
Conductor Pipe						(
Water String						104,000
Surface Casing						251,000
Intermediate Casing 1						(
Production Casing or Liner						792,000
Tubing			PCOMT.105	and the state of t	0	139,000
Wellhead, Tree, Chokes			PCOMT.120	Replace worn chokes and valves during FB	10,000	104,000
Liner Hanger, Isolation Packer			Light of the			20.000
Packer, Nipples	The same of the sa	1	PCOMT,400	-	0	28,000
SHORT ORDERS	CONT.380	10,538				10,538
PUMPS	CONT.385	30,804				30,804
WALKOVERS	CONT.390	4,053				4,053
Downhole Lift Equipment			PCOMT.410		15,000	80,000
Surface Equipment			PCOMT.420		15,000	15,000
Well Automation Materials	CONT 400	40.000	PCOMT.455	PTs, and replacing meters	5,000	5,000 184,334
N/C Lease Equipment	CONT.400	184,334				51,879
Tanks, Tanks Steps, Stairs	CONT.405	51,879				214,003
Battery Equipment Secondary Containments	CONT.410 CONT.415	214,003				19,292
Overhead Power Distribution	CONT.415	19,292 64,038				64,038
Facility Electrical	CONT.425	32,100				32,100
Telecommunication Equipment	CONT.425	486				486
	CONT.445	45,232				45,232
Meters and Metering Equipment Facility Line Pipe	CONT.450	45,232 31,208				31,208
Lease Automation Materials	Surprise references and the second	The state of the s				32,424
FL/GL - Materials	CONT.550	32,424 21,400				21,400
	CONT.555	1 110.11				48,637
FL/GL - Line Pipe SWD/Other - Materials	CONT.555 CONT.650	48,637				40,03
SWD/Other - Materials SWD/Other - Line Pipe	CONT.655	0				(
Total Tangible Cost		790,428			30,000	2,308,428
		790,428			20,000	-1-40,450

7/6/2022

O COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 304H AFE # XXXXXXX Date Prepared Company Entity 8/17/2022 AFE Property Number Exploration Region Well Name Prospect XXXXXX-XXX.01 XXXXXXX Permian Basin Mighty Pheasant 5-8 Fed Com 304H New Mexico Bone Spring Estimated Completion Estimated Spud County, State Location Lea, NM Section 5-8 T20S-R34E Lea, NM Tti Vetical Depth Itl Measured Depth X New Well Type Supplement 3rd Sand DEV 20340 Revision Purpose Drill and complete well Description The intended surface hold location for the well is 280 FSL and 1500 FEL of Section 32, T19S-R34E, and the intended bottom hole location is Drilling 100 FSL and 708 FEL of Section 8, T20S-R34E. The well is proposed to be drilled vertically to the 3rd Sand formation and laterally in a southerly direction within the formation to the referenced bottom hole location. Total vertical depth of the well is proposed to be approximately 10840 feet. Completed Well Cost Dry Hole After Casing Point Intangible Drilling Costs \$2,475,500 \$2,475,500 \$4,624,922 \$4,624,922 Completion Costs \$7,100,422 Total Intangible Cost \$2,475,500 \$4,624,922 Completed Well Cost Dry Hole After Casing Point Tangible \$1,125,000 \$1,518,000 Well Equipment \$393,000 \$790,428 Lease Equipment \$790,428 \$2,308,428 Total Tangible Cost \$393,000 \$1,915,428 Total Well Cost \$2,868,500 \$6,540,350 \$9,408,850 Comments On Well Costs 1. All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier. Well Control Insurance Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator 's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator. I elect to purchase my own well control insurance policy. Marketing Election Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above. I elect to take my gas in kind. I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract. The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well. Nonoperator Approval Approved By (Print Name) Date Company Approved By (Signature)

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate

share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.



COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 304H AFE # XXXXXXX

Description	BCP - Dr	lling	ACP -	Drilling		np/Stim		on Equip	Post Com		Total
Description	Codes	Amount	Codes	Amount		Amount	Codes	Amount	Codes	Amount	Co
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	48,637	PCOM.100	3,000	74,63
Damages	DIDC.105	16,500					CON.105	15807			32,30
Mud/Fluids Disposal	DIDC.255	200,000			STIM.255	51,000			PCOM.255	0	251,00
Day Rate	DIDC.115	468,000	DICC.120	96,000							564,00
Misc Preparation	DIDC.120	30,000									30,00
Bits	DIDC.125	97,000	DICC 125	0	STIM.125	0			PCOM.125	0	97,00
	DIDC.135	119,000	DICC 130	0	511111.72.5				PCOM.130	0	119.00
Fuel					CTILL 13C	20,000			PCOM.135	0	25,00
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC 135	0	STIM.135	20,000			PCOM. 133	0	
Mud & Additives	DIDC.145	300,000							7. T.		300,00
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	87,354	87,35
Surface Rentals	DIDC,150	97,000	DICC.140	0	STIM.140	137,000	CON.140	1,378	PCOM.140	60,000	295,37
Downhole Rentals	DIDC.155	131,000			STIM.145	35,000			PCOM.145	0	166,00
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,00
Automation Labor							CON:150	36,558	PCOM.150	5,000	41,55
Mud Logging	DIDC.170	5,000							1		5,00
IPC & EXTERNAL PAINTING	DIDE.TTO	3,000					CON.165	18,888			18,88
	DIDC 105	70.000	DICC 155	140,000			CO14.103	10,000			210,00
Cementing & Float Equipment	DIDC.185	70,000		1000					00011100	0	50,00
Tubular Inspections	DIDC.190	38,000	DICC.160	8,000		4,000			PCOM.160	U	
Casing Crews	DIDC.195	15,000	DICC.165	13,000		0					28,00
Mechanical Labor	DIDC.200	20,000	DICC.170	3,000	STIM.170	0	CON.170	139,588	PCOM.170	5,000	167,58
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000	STIM.175	4,000	CON.175	17,833	PCOM.175	0	59,83
Supervision	DIDC.210	81,000	DICC.180	13,000	STIM.180	47,000	CON.180	21,238	PCOM.180	0	162,23
Trailer House/Camp/Catering	DIDC.280	36,000	DICC.255	5,000		31,000					72,00
Other Misc Expenses	DIDC.220	5,000	DICC.190	0,000	STIM.190	85,000	CON.190	24,318	PCOM.190	0	114,31
A CONTRACTOR OF THE PROPERTY O					21001130	03,000	2014(1)0	24,510			10,00
Overhead	DIDC.225	5,000	DICC 195	5,000							
MOB/DEMOB	DIDC.240	115,000									115,00
Directional Drilling Services	DIDC.245	307,000									307,00
Solids Control	DIDC.260	46,000							C.J.D.		46,00
Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC.240	0	5TIM.240	64,000			PCOM.240	0	148,00
Completion Rig					STIM.115	21,000			PCOM.115	0	21,00
Coil Tubing Services					STIM.260	0			PCOM.260	0	
Completion Logging/Perforating/Wireline					STIM.200	257,000			PCOM.200	0	257,00
Composite Plugs					STIM.390	39,000			PCOM.390	0	39,00
Stimulation					STIM.210	2,245,000			PCOM.210	0	2,245,00
									PCOW.Z IU		191,00
Stimulation Water/Water Transfer/Water					STIM.395	191,000					
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	0	60,00
Legal/Regulatory/Curative	DIDC.300	10,000					CON,300	0			10,00
Well Control Insurance	DIDC.285	7,000									7,00
Major Construction Overhead							CON.305	26,507			26,50
FL/GL - ON PAD LABOR							CON.495	37,613			37,61
FL/GL - Labor							CON:500	94,842			94,84
FL/GL - Supervision							CON.505	14,429			14,42
Survey							CON.515	2,351			2,35
SWD/Other - Labor							CON.600	0			3
SWD/Other - Supervision							CON.605	0			
Aid In Construct/3rd Party Connect							CON.701	40,531			40,53
Contingency	DIDC.435	118,000	DICC.220	15,000	STIM.220	165,000	CON.220	105,542	PCOM.220	0	403,54
Contingency							CON.221	23,508			23,50
Total Intangible Cost		2,475,500		306,000		3,459,000		669,568		190,354	7,100,42
Conductor Pipe	DWEB.130	0		300,000		3,433,000		003/300		12.00	
											104,00
Water String	DWEB.135	104,000									
Surface Casing	DWEB,140	251,000									251,00
Intermediate Casing 1	DWEB.145	0									1
Production Casing or Liner			DWEA.100	792,000							792,00
Tubing					STIMT.105	139,000			PCOMT.105	0	139.00
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT,120	10,000	104,00
Liner Hanger, Isolation Packer	DWEB 100	0	DWEA.125	1000000		2002					
Packer, Nipples		U	1 - 1 1 6 4		STIMT.400	28,000			PCOMT.400	0	28,00
					511W11.400	20,000	CONT 200	10.000	, COM1,400	u	10,53
SHORT ORDERS							CONT.380	10,538			
PUMPS							CONT.385	30,804			30,80-
WALKOVERS					20/12		CONT.390	4,053			4,05
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80.00
Surface Equipment									PCOMT.420	15,000	15,00
Well Automation Materials									PCOMT.455	5,000	5,00
N/C Lease Equipment							CONT.400	184,334			184,33
Tanks, Tanks Steps, Stairs							CONT.405	51,879			51,87
Battery Equipment							CONT.410	214,003			214,00
Secondary Containments							CONT.415	19,292			19,29
Overhead Power Distribution							CONT.420	64,038			64,03
Facility Electrical							CONT.425	32,100			32,10
Telecommunication Equipment							CONT.426	486			48
Meters and Metering Equipment							CONT.445	45,232			45,23
Facility Line Pipe							CONT.450	31,208			31,20
								A CONTRACTOR			
Lease Automation Materials							CONT.455	32,424		1	32,42
FL/GL - Materials							CONT.550	21,400			21,40
FL/GL - Line Pipe							CONT.555	48,637			48,63
SWD/Other - Materials							CONT.650	0			
							CONT.655	0			
SWD/Other - Line Pipe							COM1.033	U			
SWD/Other - Line Pipe Total Tangible Cost		393,000		810,000		285,000	CO141.655	790,428		30,000	2,308,42



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 304H

Description		BCP	- Drilling		ACP - Drilling	T	Comp	o/Stim	1 2000
	Codes		Amount	Codes		Amount	Codes	CONTRO	Amou 3,0
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,0
Damages	DIDC.105		16,500				emil 4 255		51,0
Mud/Fluids Disposal	DIDC 255		200,000			05.000	STIM.255		51,0
Day Rate	DIDC.115	DICC 120		DICC.120		96,000			
Misc Preparation	DIDC.120		30,000		200.00				
Bits		DICC.125	1 2 2 2 2 2 2 2	DICC.125	STIM.125	0	STIM.125		
Fuel	DIDC.135		119,000			0			20.0
Water for Drilling Rig (Not Frac	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		20,00
Mud & Additives	DIDC.145		300,000						
SWD PIPED TO 3RD PARTY SWD					Section 1999			ADDITION TO SERVICE STATE OF THE PARTY OF TH	2000
Surface Rentals	DIDC.150	DICC.140	97,000	DICC.140	STIM.140	0	STIM.140	CON.140	137,00
Downhole Rentals	DIDC.155		131,000				STIM.145		35,00
Flowback Labor							STIM.141		
Automation Labor									
Mud Logging	DIDC.170		5,000						
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	70,000	DICC.155		140,000			
Tubular Inspections	DIDC.190	DICC.160	38,000	DICC.160	STIM.160	8,000	STIM.160		4,00
Casing Crews	DIDC.195	DICC.165	15,000	DICC.165	STIM.165	13,000	STIM.165		
Mechanical Labor	DIDC.200	DICC.170	0.259450	DICC.170		3,000	STIM.170	CON.170	
Trucking/Transportation	DIDC.205			DICC.175		8,000	STIM.175	CON.175	4,00
Supervision	DIDC.210		81,000			13,000	STIM.180	CON.180	47,0
and the first water water from the control of the c	DIDC.210	DICC.255	36,000		STIM.180	5,000	STIM.280	2011.100	31,00
Trailer House/Camp/Catering	DIDC.280		5,000		STIM.190	5,000	STIM.190	CON.190	85,00
Other Misc Expenses					311W.150	The second second	311W.190	2014.130	65,0
Overhead		DICC.195	5,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		115,000						
Directional Drilling Services	DIDC.245		307,000						
Solids Control	DIDC.260	drakesky.	46,000	Language of the	24.074.3		Separation .		
Well Control Equip (Snubbing	DIDC.265	DICC.240	84,000	DICC.240	STIM.240	0	STIM.240		64,00
Completion Rig							STIM.115		21,00
Coil Tubing Services						4	STIM.260		
Completion							STIM.200		257,00
Composite Plugs							STIM.390		39,00
Stimulation							STIM.210		2,245,00
Stimulation Water/Water						1	STIM.395		191,00
Cimarex Owned Frac/Rental						1	STIM.305		60,00
Legal/Regulatory/Curative	DIDC.300		10,000			1			
Well Control Insurance	DIDC 285		7,000						
Major Construction Overhead	DID GUID		.,,,,,,						
FL/GL - ON PAD LABOR									
FL/GL - Labor						1 1			
FL/GL - Supervision						1			
Survey						1			
SWD/Other - Labor						1			
SWD/Other - Supervision									
Aid In Construct/3rd Party Connect					Lorenza de la companya della companya della companya de la companya de la companya della company			DOMESTIC STATE	
Contingency	DIDC.435	DICC.220	118,000	DICC.220	STIM.220	15,000	STIM.220	CON.220	165,00
Contingency									
Total Intangible Cos			2,475,500			306,000			3,459,00
Conductor Pipe	DWEB.130		0						
Water String	DWEB.135		104,000						
Surface Casing	DWEB.140		251,000						
Intermediate Casing 1	DWEB.145		0						
Production Casing or Liner	The said			DWEA.100		792,000			
Tubing							STIMT.105		139,00
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38.000	DWEA.120	STIMT.120	18,000			38,00
Liner Hanger, Isolation Packer		DWEA.125		DWEA 125		0		1	
Packer, Nipples		7.44.44					STIMT.400		28,00
SHORT ORDERS							3		2.0,00
PUMPS									
WALKOVERS									
							CTI (T 11-		66.00
Downhole Lift Equipment							STIMT.410		80,00
Surface Equipment									
Well Automation Materials									
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									1
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Materials FL/GL - Materials									
CMD/Other Manager			1			1			1
SWD/Other - Materials									
SWD/Other - Materials SWD/Other - Line Pipe Total Tangible Cost			393,000			810,000			285.00



Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 304H

Description		Production Equip		Post Completion		Total
Description	Codes	Amount	Codes		Amount	Co
Roads & Location	CON.100	48,637	PCOM.100	Repair any roads post D&C	3,000	74,6
Damages	CON.105	15807				32,3
Mud/Fluids Disposal			PCOM.255		0	251,0
Day Rate						564,0
Misc Preparation						30,0
Bits			PCOM.125		0	97,0
Fuel			PCOM.130		0	119,0
Water for Drilling Rig (Not Frac Water)			PCOM.135		0	25,0
Mud & Additives						300,0
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	Water for 60 days (270K barrels)	87,354	87,3
Surface Rentals	CON.140	1,378	PCOM.140	Iron. XEC Own 5K. No 10K. \$1,100 per day	60,000	295,3
Downhole Rentals			PCOM.145		0	166,0
Flowback Labor			PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,0
Automation Labor	CON.150	36,558	PCOM.150	monthly all the day of the Andrew	5,000	41,5
Mud Logging	100000					5,0
IPC & EXTERNAL PAINTING	CON.165	18,888				18,8
Cementing & Float Equipment	CONTINUE	10,000				210,0
Tubular Inspections			PCOM.160		0	50,0
			FCOW. 100			28,0
Casing Crews	CON.170	110 500	PCOM.170	RU Flowback Iron & Automation	5,000	167,5
Mechanical Labor		139,588		RO Howback Iron & Automation	0,000	59,8
Trucking/Transportation	CON.175	17,833	PCOM.175			
Supervision	CON.180	21,238	PCOM.180		0	162,2
Trailer House/Camp/Catering	2211111	1.0				72,00
Other Misc Expenses	CON.190	24,318	PCOM.190		0	114,3
Overhead						10,0
MOB/DEMOB						115,0
Directional Drilling Services						307,0
Solids Control						46,00
Well Control Equip (Snubbing Services)			PCOM.240		0	148,00
Completion Rig			PCOM.115		0	21,00
Coil Tubing Services			PCOM.260		0	
Completion Logging/Perforating/Wireline			PCOM.200		0	257,00
Composite Plugs			PCOM.390		0	39,00
Stimulation			PCOM.210		0	2,245,00
Stimulation Water/Water Transfer/Water						191,00
Cimarex Owned Frac/Rental Equipment			PCOM.305		0	60,00
Legal/Regulatory/Curative	CON.300	0	1,24.114.2			10,00
Well Control Insurance	CONTINUE					7,00
Major Construction Overhead	CON.305	26,507				26,50
The state of the s	300000000000000000000000000000000000000	100000				37,61
FL/GL - ON PAD LABOR	CON.495	37,613				94,84
FL/GL - Labor	CON.500	94,842				
FL/GL - Supervision	CON.505	14,429				14,42
Survey	CON.515	2351				2,35
SWD/Other - Labor	CON.600	0				
SWD/Other - Supervision	CON.605	0				
Aid In Construct/3rd Party Connect	CON.701	40,531				40,53
Contingency	CON.220	105,542				403,54
Contingency	CON.221	23,508				23,50
Total Intangible Cost		669,568			190,354	7,100,4
Conductor Pipe						
Water String						104,00
Surface Casing						251,00
Intermediate Casing 1						
Production Casing or Liner						792,00
Tubing			PCOMT.105		0	139,00
Wellhead, Tree, Chokes			PCOMT.120	Replace worn chokes and valves during FB	10,000	104,00
Liner Hanger, Isolation Packer				1		
Packer, Nipples			PCOMT.400		0	28,00
SHORT ORDERS	CONT.380	10,538				10,53
PUMPS	CONT.385	30,804				30,80
WALKOVERS	CONT.390					4,05
	CON1.590	4,053	DCOMT 410		0	80,00
Downhole Lift Equipment			PCOMT.410		100	15,00
Surface Equipment			PCOMT.420		15,000	
Well Automation Materials	COLUT : CO	and the second	PCOMT.455	PTs, and replacing meters	5,000	5,00
N/C Lease Equipment	CONT.400	184,334				184,33
Tanks, Tanks Steps, Stairs	CONT.405	51,879				51,87
Battery Equipment	CONT.410	214,003				214,00
Secondary Containments	CONT.415	19,292				19,29
Overhead Power Distribution	CONT.420	64,038				64,03
Facility Electrical	CONT.425	32,100				32,10
Telecommunication Equipment	CONT.426	486				48
Meters and Metering Equipment	CONT.445	45,232				45,23
Facility Line Pipe	CONT.450	31,208				31,20
Lease Automation Materials	CONT.455	32,424				32,47
FL/GL - Materials	CONT.550	21,400				21,40
FL/GL - Line Pipe	CONT.555	48,637				48,6
SWD/Other - Materials	CONT.650	40,037				,
	CONT.655	0				
SWD/Other - Line Pice		0				
SWD/Other - Line Pipe Total Tangible Cost		790,428			30,000	2,308,42

Cimarex Energy Co. Permian Business Unit 6001 Deauville Blvd. Suite 300N Midland, Texas 79706 MAIN 432.571.7800



June 15, 2023

Ard Oil, Ltd. 222 West Forth St., Ph5 Fort Worth, TX 76102

Re: Supplement to Proposal to Drill

Re: Supplement to Proposal to Drill Mighty Pheasant 5-8 Fed Com 301H, 302H, 303H, and 304H Wells Sections 5 & 8, Township 20 South, Range 34 East Lea County, NM

Dear Working Interest Owner:

Cimarex Energy Co. ("Cimarex") is providing this Supplement to the Proposal to Drill for the above referenced wells ("Supplement") to be incorporated into the original Proposal to Drill that was sent on August 25, 2022 in order to clarify the extent and scope of projected production from the Wells given their respective depths and locations described in the original proposal.

The Mighty Pheasant 5-8 Fed Com 301H, 302H, 303H and 304H Wells ("Wells") were originally proposed for production from the Bone Spring formation. However, our geologists and engineers have thoroughly evaluated the Bone Spring formation in relation to the Wolfcamp formation in the above-referenced lands ("Subject Lands") and have determined that due to the extensive communication between the Bone Spring and the Wolfcamp, the Wells, as proposed, will produce the primary concentrations of hydrocarbons in the Wolfcamp, those being in the Upper Wolfcamp, and Cimarex believes they will do so more optimally given their current location within the 3rd Bone Spring than if additional and unnecessary wells were drilled into the Wolfcamp itself. Cimarex has determined that drilling new wells into the Wolfcamp would be an improper use of resources, and result in significant financial waste in developing in the most prudent manner the hydrocarbons contained within both formations underlying the Subject Lands, as is confirmed by the recent historical development of wells in the area surrounding the Subject Lands.

All specifications of the Wells, including location and depth, as described in the original Proposal to Drill remain the same, and this Supplement is provided to confirm that the target formations, based on the originally proposed specifications, include both the Bone Spring and Wolfcamp.

Please call the undersigned with any questions or comments.

Respectfully,

John Coffman

John Coffman 432.571.7833 John.Coffman@Coterra.com Cimarex Energy Co. Permian Business Unit 600 N. Marienfeld Street Suite 600 Midland, Texas 79701 MAIN 432.571.7800



August 25, 2022

Apache Corporation 200 Post Oak Blvd., Ste. 100 Houston, TX 77056

Re: Proposal to Drill

Loosey Goosey 4-9 Fed Com 101H-104H, 201H-204H & 301H-304H

Sections 4 & 9, Township 20 South, Range 34 East

Lea County, NM

Dear Working Interest Owner,

Cimarex Energy Co. hereby proposes to drill the Loosey Goosey 4-9 Fed Com 101H-104H, 201H-204H & 301H-304H Wells at a legal location in Section 4, Township 20 South, Range 34 East, NMPM, Lea Co., NM.

Loosey Goosey 4-9 Fed Com 101H - The intended surface hole location for the well is 1360' FSL and 1640' FWL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 706' FWL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 9,530' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Loosey Goosey 4-9 Fed Com 102H - The intended surface hole location for the well is 1360' FSL and 1600' FWL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 2120' FWL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 9,530' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Loosey Goosey 4-9 Fed Com 103H - The intended surface hole location for the well is 340' FSL and 1640' FEL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 1744' FEL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 9,530' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

Loosey Goosey 4-9 Fed Com 104H - The intended surface hole location for the well is 340' FSL and 1600' FEL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 330' FEL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 9,530' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

<u>Loosey Goosey 4-9 Fed Com 201H</u> - The intended surface hole location for the well is 1360' FSL and 1620' FWL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 706' FWL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,304' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

<u>Loosey Goosey 4-9 Fed Com 202H</u> - The intended surface hole location for the well is 1360' FSL and 1580' FWL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 2120' FWL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,304' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

<u>Loosey Goosey 4-9 Fed Com 203H</u> - The intended surface hole location for the well is 340' FSL and 1620' FEL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 1744' FEL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,300' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

<u>Loosey Goosey 4-9 Fed Com 204H</u> - The intended surface hole location for the well is 280' FSL and 1520' FEL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 330' FEL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,300' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

<u>Loosey Goosey 4-9 Fed Com 301H</u> - The intended surface hole location for the well is 1300' FSL and 1520' FWL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 706' FWL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,830' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

<u>Loosey Goosey 4-9 Fed Com 302H</u> - The intended surface hole location for the well is 1300' FSL and 1500' FWL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 2120' FWL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,820' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

<u>Loosey Goosey 4-9 Fed Com 303H</u> - The intended surface hole location for the well is 280' FSL and 1540' FEL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 1744' FEL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,810' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

<u>Loosey Goosey 4-9 Fed Com 304H</u> - The intended surface hole location for the well is 280' FSL and 1500' FEL of Section 33, Township 19 South, Range 34 East, and the intended bottom hole location is 100' FSL and 330' FEL of Section 9, Township 20 South, Range 34 East. The well is proposed to be drilled vertically to a depth of approximately 10,800' to the Bone Spring formation and laterally within the formation to the referenced bottom hole location.

It should be understood that compliance with topography or cultural or environmental concerns, among others, might require modification of Cimarex's intended procedure. Cimarex will advise you of any such modifications.

Enclosed is (i) our detailed AFE reflecting estimated costs associated with this proposal, and; (ii) our proposed form of Operating Agreement to govern operations of the Loosey Goosey 4-9 Fed Com Wells. If you intend to participate, please approve and return one (1) original of the enclosed AFE, one (1) original of the signature page to the Operating Agreement, along with the contact information to receive your well data, to the undersigned within thirty (30) days of receipt of this proposal. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance to Cimarex prior to commencement of drilling operations; otherwise, you will be covered by insurance procured by Cimarex and will be responsible for your share of the cost.

Cimarex will file for force pooling for the Loosey Goosey 4-9 Fed Com 101H-104H, 201H-204H & 301H-304H wells 30 days after the receipt of these proposals.

Please call the undersigned with any questions or comments.

Respectfully,

John Coffman 432.571.7883

John.Coffman@Coterra.com

Date

7/6/2022

Approved By (Signature)

AFE # XXXXXXX O COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 204H Date Prepared Company Entity 8/17/2022 AFE Property Number Exploration Region Well Name Prospect Loosey Goosey 4-9 Fed Com 204H New Mexico Bone Spring XXXXXX-XXX.01 XXXXXXXX Permian Basin Estimated Spud Estimated Completion County, State Location Section 4-9 T20S-R34E Lea, NM Lea, NM X New Well Type Iti Measured Depth Til Vetical Depth Formation DEV 19800 10300 Supplement 2nd Sand Revision Purpose Drill and complete well Description The intended surface hold location for the well is 280 FSL and 1520 FEL of Section 33, T19S-R34E, and the intended bottom hole location is Drilling 100 FSL and 330 FEL of Section 9, T20S-R34E. The well is proposed to be drilled vertically to the 2nd Sand formation and laterally in a southerly direction within the formation to the referenced bottom hole location. Total vertical depth of the well is proposed to be approximately 10300 feet. Dry Hole After Casing Point Completed Well Cost Intangible \$2,475,500 Drilling Costs \$2 475 500 Completion Costs \$4,314,672 \$4,314,672 \$6,790,172 Total Intangible Cost \$2,475,500 \$4,314,672 Completed Well Cost After Casing Point Tangible Dry Hole \$1,125,000 \$1,518,000 Well Equipment \$393,000 \$262,523 \$262 523 Lease Equipment \$1,387,523 \$1,780,523 Total Tangible Cost \$393,000 Total Well Cost \$8,570,695 \$2,868,500 \$5,702,195 Comments On Well Costs 1. All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier. Well Control Insurance Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator. I elect to purchase my own well control insurance policy. Marketing Election Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above. I elect to take my gas in kind. I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract. Comments on AFE The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well. Nonoperator Approval

Approved By (Print Name)

share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate

Company



OCOTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 204H

Description	BCP - Dr	illing	ACP -			np/Stim	_	ion Equip	Post Con		Total
Description	Codes	Amount	Codes	Amount		Amount		Amount		Amount	Co
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	4,989	PCOM.100	3,000	30,98
Damages	DIDC.105	16,500					CON.105	.0			16,50
Mud/Fluids Disposal	DIDC.255	200,000			STIM.255	51,000			PCOM.255	0	251,00
Day Rate	DIDC.115	468,000	DICC 120	96,000		1 - 11 - 1					564,00
A. Santa della del	DIDC.120		DICC. 120	30,000							30,00
Misc Preparation	919,5125,51	30,000	0.22512		GE# 1133						
Bits	DIDC.125	97,000	DICC.125	0		0			PCOM.125	0	97,00
Fuel	DIDC.135	119,000	DICC.130	0					PCOM.130	0	119,00
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	20,000			PCOM.135	0	25,00
Mud & Additives	DIDC.145	300,000									300,00
SWD PIPED TO 3RD PARTY SWD WELL	310.211.05	2.00/0.00							PCOM.257	109,193	109,19
	DIDG 450							7.000		100000000000000000000000000000000000000	
Surface Rentals	DIDC.150	97,000	DICC 140	0		137,000		3,118	PCOM.140	60,000	297,11
Downhole Rentals	DIDC.155	131,000			STIM.145	35,000			PCOM.145	0	166,00
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,00
Automation Labor							CON.150	26,689	PCOM.150	5,000	31,689
	DIDC.170	5,000					20111130	20,003	1.44	-	5,000
Mud Logging	DIDC.Tru	5,000									
IPC & EXTERNAL PAINTING							CON.165	15,340			15,340
Cementing & Float Equipment	DIDC.185	70,000	DICC 155	140,000							210,000
Tubular Inspections	DIDC.190	38,000	DICC.160	8,000	STIM.160	4,000			PCOM.160	0	50,000
Casing Crews	DIDC.195	15,000	DICC.165	13,000		0					28,000
Property Comments and the Comments of the Comm					The state of the state of			04 100	PCOM.170	5,000	
Mechanical Labor	DIDC.200	20,000	DICC.170	3,000		0		84,182		0.000	112,182
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000	STIM.175	4,000	CON.175	9,354	PCOM.175	0	51,354
Supervision	DIDC 210	81,000	DICC.180	13,000	STIM.180	47,000	CON.180	13,469	PCOM.180	0	154,469
Trailer House/Camp/Catering	DIDC 280	36,000	DICC 255	5,000	and the second second	31,000					72,000
Other Misc Expenses	DIDC 220	5,000	DICC 190	0,000	The second second	85,000	CON.190	14,966	PCOM.190	0	104,966
Contract of the contract of th						85,000	CON. 190	14,900	/ COM 190	U	
Overhead	DIDC 225	5,000	DICC 195	5,000							10,000
MOB/DEMOB	DIDC.240	115,000									115,000
Directional Drilling Services	DIDC.245	307,000									307,000
Solids Control	DIDC.260	46,000									46,000
			DICC.240	0	STIM.240	54000			PCOM.240	0	148,000
Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC.240	U		64,000				1 3	
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	0			PCOM.260	0	0
Completion Logging/Perforating/Wireline					STIM.200	257,000			PCOM.200	0	257,000
Composite Plugs					STIM.390	39,000			PCOM.390	0	39,000
And the second of the second o										0	
Stimulation					STIM.210	2,245,000			PCOM.210	U	2,245,000
Stimulation Water/Water Transfer/Water			7		STIM.395	191,000					191,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	0	60,000
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	7,000									7,000
	DIDC.205	7,000					-Consci.				
Major Construction Overhead							CON.305	15,465			15,465
FL/GL - ON PAD LABOR							CON.495	85,305			85,305
FL/GL - Supervision							CON.505	9,354			9,354
Survey							CON.515	748			748
Contingency	DIDC.435	118,000	DICC.220	15,000	STIM.220	155,000			PCOM.220	0	340,153
	DIDC.433	110,000	DICC.220	15,000	311W.22U	165,000		42,153	PCUM.220	.0	
Contingency							CON.221	12,347			12,347
Total Intangible Cost		2,475,500		306,000		3,459,000		337,479		212,193	6,790,172
Conductor Pipe	DWEB.130	0									0
Water String	DWEB.135	104,000									104,000
Surface Casing											
Particular California, Company of the California	DWEB.140	251,000									251,000
Intermediate Casing 1	DWEB.145	0									0
Production Casing or Liner			DWEA.100	792,000							792,000
Tubing					STIMT.105	139,000			PCOMT.105	0	139,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
					411m1,120	36,000			- CONT.120	10,000	
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125	0							0
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
SHORT ORDERS							CONT.380	8,730			8,730
WALKOVERS							CONT.390	2,494			2,494
					CTILLY 140	00.000	20111.350	2,434	DCO147 110		
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
Surface Equipment									PCOMT.420	15,000	15,000
Well Automation Materials									PCOMT.455	5,000	5,000
N/C Lease Equipment							CONT.400	103,263			103,263
Battery Equipment							CONT.410	58,740			58,740
A CONTRACTOR OF THE PROPERTY O											
Secondary Containments							CONT.415	4,989			4,989
Meters and Metering Equipment							CONT.445	12,471			12,471
Facility Line Pipe							CONT.450	10,476			10,476
Lease Automation Materials							CONT.455	33,049			33,049
FL/GL - Materials											
							CONT.550	10,227			10,227
FL/GL - Line Pipe							CONT.555	18,084			18,084
Total Tangible Cost		393,000		810,000		285,000		262,523		30,000	1,780,523



COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 204H

Description		BCF	- Drilling		ACP - Drilling			p/Stim	
	Codes		Amount			Amount	Codes		Amoun
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,00
Damages	DIDC.105		16,500				2307425		
Mud/Fluids Disposal	DIDC 255	77.20	200,000			30.00	STIM.255		51,000
Day Rate	DIDC.115	DICC.120		DICC 120	1	96,000			
Misc Preparation	DIDC.120	2022022	30,000		4271143		STIM.125		
Bits	DIDC.125			DICC.125	STIM.125	0	S11M,125		C
Fuel	DIDC.135		119,000		*******	0	F711.135		30.000
Water for Drilling Rig (Not Frac	DIDC.140	DICC.135	10000000	DICC.135	STIM.135	0	STIM.135		20,000
Mud & Additives	DIDC.145		300,000						
SWD PIPED TO 3RD PARTY SWD	DIRELER	D. C.C. 4.10	07.000	DICC 140			CT11410	500140	137,000
Surface Rentals	DIDC.150	DICC140	1 600	DICC.140	S1IM.140	0	STIM.140 STIM.145	CON.140	35,000
Downhole Rentals	DIDC.155		131,000				STIM.143		33,000
Flowback Labor Automation Labor							311W,141		
	DIDC.170		5,000						
Mud Logging IPC & EXTERNAL PAINTING	DIDC.170		5,000						
	DIDC.185	DICC 165	70.000	DICC 155		140,000			
Cementing & Float Equipment	DIDC.190			DICC 160	CTIMATED	8,000	STIM.160		4,000
Tubular Inspections	DIDC.195					13,000	STIM.165		4,000
Casing Crews Mechanical Labor	DIDC.193		2000	DICC.165 DICC.170	Probability and a second	3,000	STIM.170	CON.170	
Trucking/Transportation	DIDC.200		4000000	DICC.170	The state of the s	8,000	STIM.170	CON.170	4,000
Straight has Annual and	DIDC.210			DICC.173		13,000	STIM.180	CON.173	47,000
Supervision	DIDC280			DICC.160			STIM.280	CON.100	31,000
Trailer House/Camp/Catering Other Misc Expenses	DIDC 220			DICC.253		5,000	STIM.190	CON.190	85,000
Overhead Overhead	DIDC 225			DICC.195	51IM.190	0	31IM.190	CON.190	65,000
	DIDC 240	DICC 193				5,000			
MOB/DEMOB			115,000						
Directional Drilling Services	DIDC 245		307,000						
Solids Control	DIDC.260	DICCOM	46,000		570.40.40		CT114.240		64,000
Well Control Equip (Snubbing	DIDC.265	DICC.240	84,000	DICC.240	511M.240	0	STIM.240		64,000 21,000
Completion Rig							STIM.115 STIM.260		21,000
Coil Tubing Services Completion							STIM.200		257,000
Composite Plugs							STIM.390		39,000
Stimulation							STIM.210		2,245,000
Stimulation Water/Water							STIM.395		191,000
Cimarex Owned Frac/Rental							STIM.305		60,000
Legal/Regulatory/Curative	DIDC300		10,000				311141.203		55,050
Well Control Insurance	DIDC.285		7,000						
Major Construction Overhead	DIDCLEGS		7,000						
FL/GL - ON PAD LABOR									
FL/GL - Supervision									
Survey									
Contingency	DIDC.435	DICC 220	118 000	DICC.220	STIM 220	15,000	STIM.220	CON.220	165,000
Contingency	DIDCASS	DICCEE	110,000	DICCIZZO	311W.220	13,000	31111.220	CON.ZZU	163,000
Total Intangible Cos			2,475,500			306,000		-	3,459,000
Conductor Pipe	DWEB.130		0			300,000			3,433,000
Water String	DWEB.135		104,000						
Surface Casing	DWEB.140		251,000						
Intermediate Casing 1	DWEB.145		0						
Production Casing or Liner	Directing		, i	DWEA.100		792,000			
Tubing				Ditte		732,000	STIMT.105		139,000
Wellhead, Tree, Chokes	DWFR 115	DWEA.120	38,000	DWFA 120	STIMT.120	18,000	STIMT.120		38,000
Liner Hanger, Isolation Packer		DWEA 125	The state of the s	DWEA.125	311W1.12U	0 000	3111411.120		30,000
Packer, Nipples	D44LD.100	DWCK125		DVVLA.123		U	STIMT.400		28,000
SHORT ORDERS							3111411.400		20,000
WALKOVERS									10000
Downhole Lift Equipment							STIMT.410		80,000
Surface Equipment							3111911.410		80,000
Well Automation Materials									
N/C Lease Equipment									
Battery Equipment			1						
Secondary Containments									4
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
			393,000			810,000			285,000



OCOTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 204H

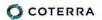
Description	-	Production Equip		Post Completion		Total
	Codes	Amount			Amount	
Roads & Location	CON.100	4,989		Repair any roads post D&C	3,000	30,98
Damages	CON.105	0	1			16,50
Mud/Fluids Disposal			PCOM.255	V.	0	251,00
Day Rate						564,00
Misc Preparation			6.0.100			30,00
Bits			PCOM.125		0	97,00
Fuel			PCOM,130		0	119,000
Water for Drilling Rig (Not Frac Water)			PCOM.135		0	25,000
Mud & Additives			12.5			300,000
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	Water for 60 days (270K barrels)	109,193	109,193
Surface Rentals	CON.140	3,118		Iron. XEC Own 5K. No 10K. \$1,100 per day	60,000	297,118
Downhole Rentals			PCOM.145		0	166,000
Flowback Labor			PCOM.141	3 Flowback Hands (60 days). 25%	30,000	
Automation Labor	CON.150	26,689	PCOM.150		5,000	31,689
Mud Logging						5,000
IPC & EXTERNAL PAINTING	CON.165	15,340				15,340
Cementing & Float Equipment						210,000
Tubular Inspections			PCOM.160		0	50,000
Casing Crews		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				28,000
Mechanical Labor	CON.170	84,182	PCOM, 170	RU Flowback Iron & Automation	5,000	112,182
Trucking/Transportation	CON.175	9,354	PCOM.175		0	51,354
Supervision	CON.180	13,469	PCOM.180		0	154,469
Trailer House/Camp/Catering			1			72,000
Other Misc Expenses	CON.190	14,966	PCOM.190		0	104,966
Overhead	Albert and					10,000
MOB/DEMOB						115,000
Directional Drilling Services						307,000
Solids Control						46,000
Well Control Equip (Snubbing Services)			PCOM.240		0	148,000
Completion Rig			PCOM.115		0	21,000
Coil Tubing Services			PCOM.260	1	O.	(
Completion Logging/Perforating/Wireline			PCOM.200		0	257,000
Composite Plugs			PCOM.390		0	39,000
Stimulation		11	PCOM.210		0	2,245,000
Stimulation Water/Water Transfer/Water						191,000
Cimarex Owned Frac/Rental Equipment			PCOM.305		0	60,000
Legal/Regulatory/Curative	CON.300	0				10,000
Well Control Insurance	GW/YGX					7,000
Major Construction Overhead	CON.305	15,465				15,465
FL/GL - ON PAD LABOR	CON.495	85,305				85,305
FL/GL - Supervision	CON.505	9,354				9,354
Survey	CON.515	748				748
Contingency	CON.220	42,153		10% Contingency	0	340,153
Contingency	CON.221	12.347		10% Contingency		12,347
Total Intangible Cost	COVICE	337,479		-	212,193	6,790,172
Conductor Pipe		331,412			212,133	0,120,112
Water String						104,000
Surface Casing						251,000
Intermediate Casing 1						231,000
Production Casing or Liner						792,000
Tubing			PCOMT.105		0	139,000
Wellhead, Tree, Chokes				Replace was shalos and along during ER		
			PCOMT.120	Replace worn chokes and valves during FB	10,000	104,000
Liner Hanger, Isolation Packer			DCOLUT 100			20.000
Packer, Nipples	CONT 200	10230	PCOMT.400		0	28,000
SHORT ORDERS	CONT.380	8,730				8,730
WALKOVERS	CONT.390	2,494			12	2,494
Downhole Lift Equipment			PCOMT.410	Activities and the second of t	0	80,000
Surface Equipment				Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials	CONTRACT	and the state of t	PCOMT.455	PTs, and replacing meters	5,000	5,000
N/C Lease Equipment	CONT.400	103,263				103,263
Battery Equipment	CONT.410	58,740				58,740
Secondary Containments	CONT.415	4,989				4,989
Meters and Metering Equipment	CONT.445	12,471				12,471
Facility Line Pipe	CONT.450	10,476				10,476
Lease Automation Materials	CONT.455	33,049				33,049
FL/GL - Materials	CONT.550	10,227				10,227
FL/GL - Line Pipe	CONT.555	18,084				18,084
Total Tangible Cost		262,523			30,000	1,780,523
Total Estimated Cost		600,002	t.		242.193	8,570,695

7/6/2022

AFE # XXXXXXX COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 301H Date Prepared Company Entity 8/17/2022 Property Number AFF Exploration Region Well Name Prospect XXXXXXX XXXXXX-XXX.01 Permian Basin Loosey Goosey 4-9 Fed Com 301H New Mexico Bone Spring Estimated Spud Estimated Completion County, State Location Lea, NM Section 4-9 T20S-R34E Lea, NM Itl Vetical Deoth X New Well Type Ttl Measured Depth 10830 Supplement 3rd Sand DEV 20330 Revision Purnose Drill and complete well Description The intended surface hold location for the well is 1300 FSL and 1520 FWL of Section 33, T19S-R34E, and the intended bottom hole location Drilling is 100 FSL and 706 FWL of Section 9, T20S-R34E. The well is proposed to be drilled vertically to the 3rd Sand formation and laterally in a southerly direction within the formation to the referenced bottom hole location. Total vertical depth of the well is proposed to be approximately 10830 feet. Completed Well Cost After Casing Point Intangible Dry Hole \$2,475,500 Drilling Costs \$2,475,500 \$4,624,922 Completion Costs \$4.624.922 \$7,100,422 Total Intangible Cost \$2,475,500 \$4,624,922 Completed Well Cost Tangible Dry Hole After Casing Point \$1,518,000 Well Equipment \$393,000 \$1,125,000 \$790,428 Lease Equipment \$790,428 Total Tangible Cost \$393,000 \$1,915,428 \$2,308,428 Total Well Cost \$2,868,500 \$6,540,350 \$9,408,850 Comments On Well Costs 1. All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier. Well Control Insurance Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator 's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator. I elect to purchase my own well control insurance policy. Marketing Election Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above. I elect to take my gas in kind. I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract. The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well, Nonoperator Approval Approved By (Print Name) Approved By (Signature) Date

NOTICE TO NONOPERATOR. Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate

share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement



Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 301H

Description	BCP - Dr	illing	ACP - D			p/Stim	Producti		Post Com		Total
Description	Codes	Amount	Codes	Amount		Amount		Amount		Amount	Cos
Roads & Location	DIDC.100	20,000	1.000		STIM.100	3,000		48,637	PCOM,100	3,000	74,637
Damages	DIDC.105	16,500					CON.105	15807			32,307
Mud/Fluids Disposal	DIDC.255	200,000			STIM.255	51,000			PCOM.255	0	251,000
Day Rate	DIDC.115	468,000	DICC 120	96,000							564,000
Misc Preparation	DIDC.120	30,000									30,000
Bits	DIDC.125	97,000	DICC.125	0	STIM.125	0			PCOM.125	0	97,000
Fuel	DIDC.135	119,000	DICC.130	0					PCOM.130	0	119,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC 135	0	STIM.135	20,000			PCOM.135	0	25,000
Mud & Additives	DIDC.145	300,000									300,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	87.354	87,354
Surface Rentals	DIDC.150	97,000	DICC.140	0	STIM.140	137,000	CON.140	1,378	PCOM.140	60,000	295,378
Downhole Rentals	DIDC.155	131,000			STIM.145	35,000			PCOM.145	0	166,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	36,558	PCOM.150	5,000	41,558
Mud Logging	DIDC.170	5,000									5,000
IPC & EXTERNAL PAINTING							CON.165	18,888			18,888
Cementing & Float Equipment	DIDC.185	70,000	DICC.155	140,000							210,000
Tubular Inspections	DIDC.190	38,000	DICC.160	8,000	STIM.160	4,000			PCOM.160	0	50,000
Casing Crews	DIDC.195	15,000	DICC.165	13,000	STIM.165	0					28,000
Mechanical Labor	DIDC.200	20,000	DICC 170	3,000	STIM.170	0	CON.170	139,588	PCOM.170	5,000	167,588
Trucking/Transportation	DIDC 205	30,000	DICC 175	8,000	STIM.175	4,000	CON.175	17,833	PCOM.175	0	59,833
Supervision	DIDC 210	81,000	DICC.180	13,000	STIM.180	47,000	CON.180	21,238	PCOM.180	0	162,238
Trailer House/Camp/Catering	DIDC.280	36,000	DICC.255	5,000	STIM.280	31,000					72,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	85,000	CON.190	24,318	PCOM.190	0	114,318
Overhead	DIDC.225	5,000	DICC.195	5,000					77777		10,000
MOB/DEMOB	DIDC.240	115,000									115,000
Directional Drilling Services	DIDC.245	307,000									307,000
Solids Control	DIDC.260	46,000									46,000
Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC.240	0	STIM.240	64,000			PCOM.240	0	148,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	0			PCOM.260	0	0
Completion Logging/Perforating/Wireline					STIM.200	257,000			PCOM.200	0	257,000
Composite Plugs					STIM.390	39,000			PCOM.390	0	39,000
Stimulation					STIM.210	2,245,000			PCOM.210	0	2,245,000
Stimulation Water/Water Transfer/Water					STIM.395	191,000					191,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	0	60,000
Legal/Regulatory/Curative	DIDC.300	10,000			3711114	24111	CON.300	0	0.00000000		10,000
Well Control Insurance	DIDC.285	7,000					2011300				7,000
Major Construction Overhead		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					CON.305	26,507			26,507
FL/GL - ON PAD LABOR							CON.495	37,613			37,613
FL/GL - Labor							CON.500	94,842			94,842
FL/GL - Supervision							CON.505	14,429			14,429
Survey							CON.515	2,351			2,351
SWD/Other - Labor							CON.600	0			0
SWD/Other - Supervision							CON.605	0			0
Aid In Construct/3rd Party Connect							CON.701	40,531		-	40,531
Contingency	DIDC.435	118,000	DICC.220	15,000	STIM.220	165,000	CON.220	105,542	PCOM.220	0	403,542
Contingency	DIDEAGS	110,000	DICCIELO	13,000	JIIIN.EZU	103,000	CON.221	23,508	r COIVI.ZZO	v	23,508
Total Intangible Cost		2,475,500		306,000		3,459,000	CONSET	669,568	-	190,354	7,100,422
Conductor Pipe	DWEB.130	0		300,000		3,439,000		009,300		190,534	7,100,422
Water String	DWEB.135	104,000									104,000
Surface Casing	DWEB.140	251,000									
	DWEB.145	251,000									251,000
Intermediate Casing 1	DVVED.143	Ü	DIAME A 100	702.000							0
Production Casing or Liner			DWEA,100	792,000	CON 10 222						792,000
Tubing		20.000	DILETA 424		STIMT.105	139,000			PCOMT.105	0	139,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120		STIMT.120	38,000			PCOMT.120	10,000	104,000
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125	.0	CTIA	20.55			000117 :		0 28 000
Packer, Nipples					STIMT.400	28,000	contract	25.000	PCOMT.400	0	28,000
SHORT ORDERS							CONT.380	10,538			10,538
PUMPS							CONT.385	30,804			30,804
WALKOVERS					CTILLY	20'01'	CONT.390	4,053	0000115	2	4,053
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
Surface Equipment									PCOMT.420	15,000	15,000
Well Automation Materials								40.100	PCOMT,455	5,000	5,000
N/C Lease Equipment							CONT.400	184,334			184,334
Tanks, Tanks Steps, Stairs							CONT.405	51,879			51,879
Battery Equipment							CONT.410	214,003			214,003
Secondary Containments							CONT.415	19,292			19,292
Overhead Power Distribution							CONT.420	64,038			64,038
Facility Electrical							CONT.425	32,100			32,100
Telecommunication Equipment			1				CONT.426	486			486
Meters and Metering Equipment							CONT.445	45,232			45,232
Facility Line Pipe							CONT.450	31,208			31,208
Lease Automation Materials							CONT.455	32,424			32,424
FL/GL - Materials							CONT.550	21,400			21,400
FL/GL - Line Pipe							CONT.555	48,637			48,637
SWD/Other - Materials							CONT.650	0			0
SWD/Other - Line Pipe							CONT.655	0			0
Total Tangible Cost		393,000		810,000		285,000		790,428		30,000	2,308,428



OCOTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 301H

Description	Codes	BCP	- Drilling Amount	Codes	ACP - Drilling	Amount	-	/Stim	Amou
Roads & Location	DIDC.100		20,000			Amount	STIM.100	CON.100	3,0
Damages	DIDC.105		16,500				2	1.55	-
Mud/Fluids Disposal	DIDC.255		200,000				STIM.255		51,0
Day Rate		DICC.120		DICC.120		96,000			
Misc Preparation	DIDC.120		30,000	5.000.00		20000			
Bits	DIDC.125	DICC.125	97,000	DICC.125	STIM.125	0	STIM 125		
Fuel	DIDC.135		119,000			0			
Water for Drilling Rig (Not Frac	DIDC.140	The state of the s	5,000		STIM.135	0	STIM.135		20,00
Mud & Additives	DIDC.145	1	300,000						
SWD PIPED TO 3RD PARTY SWD									
Surface Rentals	DIDC.150	DICC140	97,000	DICC.140	STIM.140	0	STIM.140	CON.140	137,00
Downhole Rentals	DIDC.155	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	131,000				STIM.145	Carlotte .	35,00
Flowback Labor							STIM.141		
Automation Labor									
Mud Logging	DIDC.170		5,000						
IPC & EXTERNAL PAINTING			3.011						
Cementing & Float Equipment	DIDC.185	DICC.155	70,000	DICC.155		140,000			
Tubular Inspections	DIDC.190	DICC 160	38,000	DICC.160	STIM.160	8,000	STIM.160		4,00
Casing Crews	DIDC.195	DICC.165	15,000	DICC.165	STIM.165	13,000	STIM.165		
Mechanical Labor	DIDC 200	DICC.170		DICC,170	The state of the s	3,000	STIM. 170	CON.170	
Trucking/Transportation	DIDC.205					8,000	STIM.175	CON.175	4,00
Supervision	DIDC.210			DICC.180	STIM.180	13,000	STIM.180	CON.180	47,00
Trailer House/Camp/Catering	DIDC.280			DICC.255		5,000	STIM.280		31,00
Other Misc Expenses	DIDC 220				9.00C 40.0CC	0	STIM.190	CON.190	85,00
Overhead	DIDC 225		5,000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5,000			1
MOB/DEMOB	DIDC.240	Advantage.	115,000			3,000			
Directional Drilling Services	DIDC 245		307,000						
Solids Control	DIDC.260		46,000						
Well Control Equip (Snubbing	DIDC.265	DICC.240		DICC.240	STIM 240	0	STIM.240		64,00
Completion Rig			01,000				STIM.115		21,00
Coil Tubing Services							STIM.260		2.00
Completion							STIM.200		257,00
Composite Plugs							STIM.390		39,00
Stimulation							STIM.210		2,245,00
Stimulation Water/Water							STIM.395		191,00
Cimarex Owned Frac/Rental							STIM.305		60,00
Legal/Regulatory/Curative	DIDC 300		10,000				3111/1.303		60,00
Well Control Insurance	DIDC 285		7,000						
Major Construction Overhead	DIDC.203		7,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey								1	
SWD/Other - Labor									
SWD/Other - Supervision									
Aid In Construct/3rd Party Connect	DIDC 135	DICCARA	******	DICC 220	5741.000		CTU 1 220	0011330	400.00
Contingency	DIDC.435	DICC.220	118,000	DICC.220	STIM.220	15,000	STIM.220	CON.220	165,00
Contingency									
Total Intangible Cos			2,475,500			306,000			3,459,00
Conductor Pipe	DWEB.130		0						
Water String	DWEB.135		104,000						
Surface Casing	DWEB.140		251,000						
Intermediate Casing 1	DWEB.145		0						
Production Casing or Liner				DWEA.100		792,000	2200000		100
Tubing	B. 1	DUE 100	122327	BO		3699	STIMT.105		139,00
Wellhead, Tree, Chokes		DWEA.120			STIMT.120	18,000	STIMT.120		38,00
Liner Hanger, Isolation Packer	DWEB.100	DWEA 125	0	DWEA.125		0	GEN WINE		17000
Packer, Nipples							STIMT.400		28,00
SHORT ORDERS									
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,00
Surface Equipment									
Well Automation Materials									
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Materials									
SWD/Other - Materials									
SWD/Other - Line Pipe									
Total Tangible Cost			393,000			810,000			285,00

COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 301H

Description	- 100	Production Equip		0.1	Post Completion	A	Total
	Codes	Amou		Codes	Paralle and send part SAC	Amount	74.63
Roads & Location	CON.100 CON.105	48,6	201	PCOM.100	Repair any roads post D&C	3,000	32,30
Damages	CON.105	158	-	DCOMPE		0	251,00
Mud/Fluids Disposal			1	PCOM.255		U	564,00
Day Rate Misc Preparation							30,00
Misc Preparation Bits				PCOM 125		0	97,00
Fuel			- 1	PCOM. 123		0	119,00
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,00
Mud & Additives				PCOW, 133		,	300,00
SWD PIPED TO 3RD PARTY SWD WELL				PCOM.257	Water for 60 days (270K barrels)	87,354	87,35
Surface Rentals	CON.140	13		PCOM.140	Iron. XEC Own 5K. No 10K. \$1,100 per day	60,000	295,37
Downhole Rentals	2011.110	1,2	~~	PCOM.145	non-rac onn sie no rolle villes per asy	0	166,00
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,00
Automation Labor	CON.150	36,5		PCOM.150	2 Floridati, Flanco (es days), Este	5,000	41,55
Mud Logging	20/11/04	30,3	30			-	5,00
IPC & EXTERNAL PAINTING	CON.165	18,8	88				18.88
Cementing & Float Equipment	Services.	10,0					210,000
Tubular Inspections				PCOM.160		0	50,000
Casing Crews							28,000
Mechanical Labor	CON.170	139,5	88	PCOM.170	RU Flowback Iron & Automation	5,000	167,58
Trucking/Transportation	CON.175	17,8		PCOM.175		0	59,83
Supervision	CON.180	21,2		PCOM.180		0	162,23
Trailer House/Camp/Catering		2.7/2	7				72,000
Other Misc Expenses	CON.190	24,3	18	PCOM.190		0	114,31
Overhead			1				10,000
MOB/DEMOB							115,000
Directional Drilling Services							307,000
Solids Control							46,000
Well Control Equip (Snubbing Services)			-10	PCOM.240		0	148,000
Completion Rig				PCOM.115		0	21,000
Coil Tubing Services			-16	PCOM.260		0	(
Completion Logging/Perforating/Wireline			Т	PCOM.200		0	257,000
Composite Plugs	MI.		Ш	PCOM.390		0	39,000
Stimulation			П	PCOM.210		0	2,245,000
Stimulation Water/Water Transfer/Water							191,000
Cimarex Owned Frac/Rental Equipment				PCOM.305		0	60,000
Legal/Regulatory/Curative	CON.300		0				10,000
Well Control Insurance							7,000
Major Construction Overhead	CON.305	26,5	07				26,507
FL/GL - ON PAD LABOR	CON.495	37,6	13				37,613
FL/GL - Labor	CON.500	94,8	42				94,842
FL/GL - Supervision	CON.505	14,4	29				14,429
Survey	CON.515	23	51				2,35
SWD/Other - Labor	CON.600		0				(
SWD/Other - Supervision	CON.605		0				(
Aid In Construct/3rd Party Connect	CON.701	40,5	31				40,53
Contingency	CON.220	105,5	42				403,542
Contingency	CON.221	23,5					23,508
Total Intangible Cost		669,5	58			190,354	7,100,422
Conductor Pipe							(
Water String							104,000
Surface Casing							251,000
Intermediate Casing 1							(
Production Casing or Liner							792,000
Tubing			11.5	PCOMT.105	and the second second second second	0	139,000
Wellhead, Tree, Chokes			F	PCOMT.120	Replace worn chokes and valves during FB	10,000	104,000
Liner Hanger, Isolation Packer							(
Packer, Nipples SHORT ORDERS	CONTRACT			PCOMT.400		0	28,000
SHORT ORDERS PUMPS	CONT.380	10,5					10,538
WALKOVERS	CONT.385	30,8					30,804
	CONT.390	4,0		2001			4,053
Downhole Lift Equipment Surface Equipment			- 1	PCOMT.410	Desiration Challes Co. 15	0	80,000
				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials N/C Lease Equipment	CONT.400	1000		PCOMT.455	PTs, and replacing meters	5,000	5,000
	127 127 127	184,3					184,334
Tanks, Tanks Steps, Stairs Battery Equipment	CONT.410	51,8	254				51,879
Secondary Containments	CONT.415	214,0					214,003
Overhead Power Distribution	CONT.415	19,2 64,0	22.0			-	19,292 64,038
Facility Electrical	CONT.425	32,1					32,100
Telecommunication Equipment	CONT.425		36				486
Meters and Metering Equipment	CONT.426						45,232
Facility Line Pipe	CONT.445	45,2 31,2					31,208
Lease Automation Materials	CONT.455	31,2	-				32,424
FL/GL - Materials	CONT.550	21,4					21,400
FL/GL - Line Pipe	CONT.555						48,637
SWD/Other - Materials	CONT.650	48,6	0				48,637
SWD/Other - Line Pipe	CONT.655		0				0
Total Tangible Cost		790,4				30,000	2,308,428
		/90.4	C (2)				

7/6/2022

			d Com 302H	
Company Entity				Date Prepared 8/17/2022
Exploration Region	Well Name	Prospect	Property Nun	nber AFE
Permian Basin	Loosey Goosey 4-9 Fed Com 302H	New Mexico Bone Spring	XXXXXX-XXX.0	
County, State	Location		Estimated Spud	Estimated Completion
Lea, NM	Section 4-9 T20S-R34E Lea, NM			
X New Supplement Revision	Formation 3rd Sand	Well Type DEV	Ttl Measured Deoth 20320	Til Vetical Depth 10820
Purpose Drill Description	and complete well			
is so	ne intended surface hold location for the well 100 FSL and 2120 FWL of Section 9, T20S-R3- butherly direction within the formation to the opproximately 10820 feet.	IE. The well is proposed to be drilled	I vertically to the 3rd Sand form	nation and laterally in a
Drilling Cost	S	\$2,475,500	This cooling room	\$2,475,500
Completion		******	\$4,624,922	\$4,624,922
Total Intangible Cost		\$2,475,500	\$4,624,922	\$7,100,422
Tangible Well Equipm		Dry Hole \$393,000	After Casing Point \$1,125,000	Completed Well Cost \$1,518,000
Lease Equipi		\$393,000	\$790,428	\$790,428
		1,000,000		
Total Tangible Cost		\$393,000	\$1,915,428	\$2,308,428
Total Well Cost Comments On Well (\$2,868,500	\$6,540,350	
Total Well Cost Comments On Well Co. 1. All tubulars, well Well Control Insurance Unless otherwise inc Operator so long as well control insurance available, but in no	or lease equipment is priced by COPAS and C	\$2,868,500 EPS guidelines using the Historic Proof of the pay your prorated share of the prance acceptable to Operator, as to perations. You agree that failure to perations.	\$6,540,350 ice Multiplier. ed by Operator 's well control premiums therefore. If you ele form and limits, at the time thi	\$9,408,850 insurance procured by ect to purchase your own is AFE is returned, if
Total Well Cost Comments On Well Co. 1. All tubulars, well Well Control Insurance Unless otherwise inc Operator so long as well control insurance available, but in no will result in your be	or lease equipment is priced by COPAS and Core dicated below, you, as a non-operating working to the conducts operations hereunder and the core, you must provide a certificate of such insue event later than commencement of drilling operations.	\$2,868,500 EPS guidelines using the Historic Programmer of the cover of to pay your prorated share of the rance acceptable to Operator, as to perations. You agree that failure to proceed to the covered	\$6,540,350 ice Multiplier. ed by Operator 's well control premiums therefore. If you ele form and limits, at the time thi	ect to purchase your own is AFE is returned, if
Total Well Cost Comments On Well Co. 1. All tubulars, well Well Control Insurance Unless otherwise inc Operator so long as well control insurance available, but in no evill result in your be I elect to p Marketing Election Cimarex sells its gas insufficient volumes contracts. Upon write	or lease equipment is priced by COPAS and Cope dicated below, you, as a non-operating working Operator conducts operations hereunder and ce, you must provide a certificate of such insue event later than commencement of drilling operating covered by insurance procured by Operating	\$2,868,500 EPS guidelines using the Historic Property of the pay your prorated share of the rance acceptable to Operator, as to perations. You agree that failure to proceed to pay your prorated share of the rance acceptable to Operator, as to perations. You agree that failure to proceed the policy. The policy of the proceedings of the procedure of the proceedings of the procedure of the proceedings of the proceedings of the procedure of the procedur	\$6,540,350 ice Multiplier. ed by Operator 's well control premiums therefore. If you ele form and limits, at the time this provide the certificate of insurance of the certificate of the certi	\$9,408,850 insurance procured by ect to purchase your own is AFE is returned, if ence, as provided herein, es may be incurred for the terms of such hich gas will be sold.
Total Well Cost Comments On Well Co. 1. All tubulars, well Well Control Insurance Unless otherwise inc Operator so long as well control insurance available, but in no exit in your be I elect to pure the control insurance I elect to the control i	or lease equipment is priced by COPAS and Core dicated below, you, as a non-operating working to the common operation of the core of the	\$2,868,500 EEPS guidelines using the Historic Property of the pay your prorated share of the prance acceptable to Operator, as to perations. You agree that failure to proceed to pay your prorated share of the prance acceptable to Operator, as to perations. You agree that failure to proceed the property of the proceed of the proceeding of the proceedin	\$6,540,350 fice Multiplier. ed by Operator 's well control premiums therefore. If you ele form and limits, at the time this provide the certificate of insurance, you will be subject to all of and conditions pursuant to were the terms and conditions set	\$9,408,850 insurance procured by ect to purchase your own is AFE is returned, if ence, as provided herein, es may be incurred for the terms of such hich gas will be sold.
Total Well Cost Comments On Well Co. 1. All tubulars, well Well Control Insurance Unless otherwise inc Operator so long as well control insurance available, but in no a will result in your be I elect to p Marketing Election Cimarex sells its gas insufficient volumes contracts. Upon writ Failure to make an e I elect to to I elect to to Comments on AFE The above costs are estimated costs with	or lease equipment is priced by COPAS and Coperator conducts operations hereunder and coperator conducts operations hereunder and coperator conducts operations hereunder and copy of the	\$2,868,500 EPS guidelines using the Historic Property of the pay your prorated share of the prance acceptable to Operator, as to perations. You agree that failure to provide the property of the policy. Purchasers. Such contracts may invariently your share of gas with Cimare, we will share with you the terms market your gas with Cimarex under the property of the terms and conditions of the terms and conditions of the terms without any foreseeable charactering ranted. By approval of the terms granted. By approval of the terms granted.	\$6,540,350 ice Multiplier. ed by Operator 's well control premiums therefore. If you ele form and limits, at the time this provide the certificate of insurance, and conditions pursuant to we the terms and conditions set its contract. its contract. ange in plans. The actual cost is AFE, the working interest ow	\$9,408,850 insurance procured by ect to purchase your own is AFE is returned, if ence, as provided herein, es may be incurred for the terms of such hich gas will be sold, forth above, es may exceed the where agrees to pay its
Total Well Cost Comments On Well Co. 1. All tubulars, well Well Control Insurance Unless otherwise inc Operator so long as well control insurance available, but in no a will result in your be I elect to p Marketing Election Cimarex sells its gas insufficient volumes contracts. Upon writ Failure to make an e I elect to to lect to to Comments on AFE The above costs are estimated costs with proportionate share	or lease equipment is priced by COPAS and Coperator conducts operations hereunder and coperator conducts operations of drilling operators of the coperator of drilling operators of the coperator of the cop	\$2,868,500 EPS guidelines using the Historic Property of the pay your prorated share of the prance acceptable to Operator, as to perations. You agree that failure to provide the property of the terms and conditions of the terms and conditions of the terms and conditions of the terms without any foreseeable characteristics and the property of the p	\$6,540,350 ice Multiplier. ed by Operator 's well control premiums therefore. If you ele form and limits, at the time this provide the certificate of insurance, and conditions pursuant to we the terms and conditions set its contract. its contract. ange in plans. The actual cost is AFE, the working interest ow	\$9,408,850 insurance procured by ect to purchase your own is AFE is returned, if ence, as provided herein, es may be incurred for the terms of such hich gas will be sold, forth above, es may exceed the where agrees to pay its



COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 302H

Description	BCP - Dr	Illing	ACP - D	rilling	Con	p/Stim	Production	on Equip	Post Com	pletion	Total
Description	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Co
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	48,637	PCOM.100	3,000	74,63
Damages	DIDC.105	16,500					CON.105	15807			32,30
Mud/Fluids Disposal	DIDC.255	200,000			STIM.255	51,000			PCOM.255	0	251,00
Day Rate	DIDC.115	468,000	DICC.120	96,000						1	564,00
Misc Preparation	DIDC.120	30,000									30,00
Bits	DIDC.125	97,000	DICC 125	0	STIM.125	0			PCOM.125	0	97.00
Fuel	DIDC.135	119,000	DICC.130	0	2111111122				PCOM.130	0	119,00
	DIDC.140		DICC.135	0	STIM.135	70,000			PCOM.135	0	25,00
Water for Drilling Rig (Not Frac Water)	and the second second	5,000	DICC. 135	U	51IM.135	20,000			PCOM.133	U	
Mud & Additives	DIDC.145	300,000									300,00
SWD PIPED TO 3RD PARTY SWD WELL			20000						PCOM.257	87,354	87,35
Surface Rentals	DIDC.150	97,000	DICC 140	0	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	137,000	CON.140	1,378	PCOM.140	60,000	295,37
Downhole Rentals	DIDC.155	131,000			STIM.145	35,000			PCOM.145	0	166,00
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,00
Automation Labor							CON.150	36,558	PCOM.150	5,000	41,55
Mud Logging	DIDC.170	5,000							-		5,00
IPC & EXTERNAL PAINTING							CON.165	18,888			18,88
Cementing & Float Equipment	DIDC.185	70,000	DICC.155	140,000							210,00
Tubular Inspections	DIDC.190	38,000	DICC.160		STIM.160	4,000			PCOM.160	0	50,00
Principle of the Control of the Cont			DICC 165						PCOM. 100	· ·	28,00
Casing Crews	DIDC.195	15,000		13,000		0			20011170	5.000	
Mechanical Labor	DIDC.200	20,000	DICC.170	3,000	STIM.170	0		139,588	PCOM,170	5,000	167,58
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000		4,000		17,833	PCOM.175	0	59,83
Supervision	DIDC.210	81,000	DICC.180	13,000	STIM.180	47,000	CON.180	21,238	PCOM.180	0	162,23
Trailer House/Camp/Catering	DIDC.280	36,000	DICC.255	5,000	STIM.280	31,000					72,00
Other Misc Expenses	DIDC 220	5,000	DICC.190	0	STIM.190	85,000	CON.190	24,318	PCOM.190	0	114,31
Overhead	DIDC.225	5,000	DICC.195	5,000			1		T. THE Y		10,00
MOB/DEMOB	DIDC.240	115,000	7,30,1	1							115,00
Directional Drilling Services	DIDC.245	307,000									307,00
Solids Control	DIDC.243	46,000									46,00
			DICCOLO		FERRING	4174			00011310		
Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC.240	0		64,000			PCOM.240	0	148,00
Completion Rig					STIM.115	21,000			PCOM.115	0	21,00
Coil Tubing Services					STIM.260	0			PCOM.260	0	9
Completion Logging/Perforating/Wireline					STIM.200	257,000			PCOM.200	0	257,00
Composite Plugs					STIM.390	39,000			PCOM.390	0	39,00
Stimulation					STIM.210	2,245,000			PCOM.210	0	2,245,00
Stimulation Water/Water Transfer/Water					STIM.395	191,000					191,00
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	0	60,00
Legal/Regulatory/Curative	DIDC.300	10,000			511111.505	00,000	CON.300	0	1 CON.505		10,00
			1				CO14.300	U			
Well Control Insurance	DIDC.285	7,000					Service .				7,00
Major Construction Overhead			1				CON.305	26,507			26,50
FL/GL - ON PAD LABOR							CON.495	37,613		1	37,61
FL/GL - Labor							CON.500	94,842			94,84
FL/GL - Supervision							CON.505	14,429			14,42
Survey					1		CON.515	2,351			2,35
SWD/Other - Labor							CON.600	0			
SWD/Other - Supervision							CON.605	0			
Aid In Construct/3rd Party Connect							CON.701	40,531			40,53
	DIDC.435	110 000	DICC.220	****	CT144.320	*******	C-2011/00/01		00014330		
Contingency	DIDC.433	118,000	DICC.220	15,000	STIM.220	165,000		105,542	PCOM.220	0	403,542
Contingency							CON.221	23,508			23,50
Total Intangible Cost		2,475,500		306,000		3,459,000		669,568		190,354	7,100,42
Conductor Pipe	DWEB.130	0									10
Water String	DWEB.135	104,000							1		104,000
Surface Casing	DWEB.140	251,000									251,000
Intermediate Casing 1	DWEB.145	0									
Production Casing or Liner			DWEA.100	792.000							792,000
Tubing				. 52,000	STIMT.105	120,000			PCOMT.105	0	139,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DIMEA 120	10.000	STIMT.120	139,000					
			DWEA.120		311W11.120	38,000			PCOMT.120	10,000	104,000
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125	0	CTU IT				B00115 141		(
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
SHORT ORDERS							CONT.380	10,538			10,538
PUMPS							CONT.385	30,804			30,804
WALKOVERS							CONT.390	4,053			4,05
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
Surface Equipment						-0.504.5			PCOMT.420	15,000	15,000
Well Automation Materials					100				PCOMT.455	5,000	5,000
N/C Lease Equipment							CONT.400	184,334	0.55000000	2,000	184,334
Tanks, Tanks Steps, Stairs							CONT.400				51,879
								51,879			
Battery Equipment							CONT.410	214,003			214,003
Secondary Containments							CONT.415	19,292			19,292
Overhead Power Distribution							CONT.420	64,038			64,038
Facility Electrical							CONT.425	32,100			32,100
Telecommunication Equipment					1		CONT.426	486			486
Meters and Metering Equipment			1		1 1 1		CONT.445	45,232			45,232
Facility Line Pipe							CONT.450	31,208		1	31,208
Lease Automation Materials											
							CONT.455	32,424			32,42
FL/GL - Materials							CONT.550	21,400			21,400
FL/GL - Line Pipe							CONT.555	48,637			48,63
SWD/Other - Materials							CONT.650	0			(
SWD/Other - Line Pipe							CONT.655	0			(
Total Tangible Cost		393,000		810,000		285,000	-	790,428		30,000	2,308,428
Total farigible cost											



Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 302H

Description		BCP	- Drilling		ACP - Drilling	1	*	/Stim	
	Codes		Amount			Amount		5011400	Amoun
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						1 0000
Mud/Fluids Disposal	DIDC.255		200,000			7.00	STIM.255		51,000
Day Rate	DIDC.115	DICC.120	468,000	DICC.120		96,000			
Misc Preparation	DIDC.120		30,000						
Bits	DIDC.125	DICC.125	97,000	DICC.125	STIM.125	.0	STIM.125		0
Fuel	DIDC.135	DICC.130	119,000	DICC.130		0			
Water for Drilling Rig (Not Frac	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		20,000
Mud & Additives	DIDC.145		300,000						1
SWD PIPED TO 3RD PARTY SWD			0.500.55						
Surface Rentals	DIDC.150	DICC 140	97,000	DICC.140	STIM 140	- 0	STIM.140	CON.140	137,000
Downhole Rentals	DIDC.155	DICC.140	131,000		311W.140		STIM.145	CO14.140	35,000
	DIDC.155		151,000						700000
Flowback Labor							STIM.141		0
Automation Labor									
Mud Logging	DIDC.170		5,000						
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	70,000	DICC.155		140,000			
Tubular Inspections	DIDC.190	DICC.160	38,000	DICC.160	STIM.160	8,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	15,000	DICC.165	STIM.165	13,000	STIM.165		0
Mechanical Labor	DIDC 200	DICC.170		DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205			DICC.175		8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210				STIM.180	13,000	STIM.173	CON.180	47,000
						11. (15.55)		CO14.100	A 100 St. St.
Trailer House/Camp/Catering	DIDC 280				STIM.280	5,000	STIM.280	CONTRO	31,000
Other Misc Expenses	DIDC 220			DICC.190	51IM.190	0	STIM.190	CON.190	85,000
Overhead	DIDC.225	DICC.195		DICC.195		5,000			
MOB/DEMOB	DIDC.240		115,000						
Directional Drilling Services	DIDC.245		307,000						
Solids Control	DIDC.260		46,000						
Well Control Equip (Snubbing	DIDC.265	DICC.240	84,000	DICC.240	STIM.240	0	STIM.240		64,000
Completion Rig	0.00.00			3451.00	- Terror Sec.		STIM.115		21,000
Coil Tubing Services							STIM.260		0
Completion							STIM.200		257,000
									39,000
Composite Plugs						1	STIM.390		
Stimulation							STIM.210		2,245,000
Stimulation Water/Water							STIM.395		191,000
Cimarex Owned Frac/Rental							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		7,000						
Major Construction Overhead									
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
SWD/Other - Labor									
SWD/Other - Supervision									
Aid In Construct/3rd Party Connect									
Contingency	DIDC.435	DICC220	118,000	DICC.220	STIM.220	15,000	STIM.220	CON.220	165,000
Contingency						1500			
Total Intangible Cos			2,475,500			306,000			3,459,000
Conductor Pipe	DWEB.130		0			300,000	_		7,0000
Water String	DWEB.135		104,000						
	DWEB.135								
Surface Casing			251,000						
Intermediate Casing 1	DWEB.145		0						
Production Casing or Liner				DWEA.100		792,000			111111
Tubing							STIMT.105		139,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
Liner Hanger, Isolation Packer	DWEB.100	DWEA.125	0	DWEA.125		0			
Packer, Nipples							STIMT.400		28,000
SHORT ORDERS									
PUMPS									
WALKOVERS									
Downhole Lift Equipment							CTIL IT		00.000
							STIMT.410		80,000
Surface Equipment									
Well Automation Materials									
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Materials									
SWD/Other - Materials									
SWD/Other - Line Pipe									
SWD/Other - Line Pipe Total Tangible Cost			393,000			810,000			285,000



Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 302H

Description	Proc	duction Equip		Post Completion	-	Total
Description	Codes	Amount	Codes		Amount	Co
Roads & Location	CON.100	48,637	PCOM.100	Repair any roads post D&C	3,000	74,63
Damages	CON.105	15807				32,30
Mud/Fluids Disposal			PCOM.255		0	251,00
Day Rate					la la	564,00
Misc Preparation					-	30,00
Bits		11 1	PCOM.125		0	97,00
Fuel			PCOM.130		0	119,00
Water for Drilling Rig (Not Frac Water)			PCOM 135		0	25,00
Mud & Additives					-23.1	300,00
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	Water for 60 days (270K barrels)	87,354	87,35
Surface Rentals	CON.140	1,378	PCOM.140	Iron. XEC Own 5K. No 10K. \$1,100 per day	60,000	295,37
Downhole Rentals			PCOM.145		0	166,00
Flowback Labor	Access to the second		PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,00
Automation Labor	CON.150	36,558	PCOM.150		5,000	41,55
Mud Logging						5,00
IPC & EXTERNAL PAINTING	CON.165	18,888				18,88
Cementing & Float Equipment						210,00
Tubular Inspections			PCOM.160		0	50,00
Casing Crews						28,00
Mechanical Labor	CON.170	139,588	PCOM.170	RU Flowback Iron & Automation	5,000	167,58
Trucking/Transportation	CON.175	17,833	PCOM.175		0	59,83
Supervision	CON.180	21,238	PCOM.180		0	162,23
Trailer House/Camp/Catering						72,00
Other Misc Expenses	CON.190	24,318	PCOM.190	1	0	114,31
Overhead	4444					10,00
MOB/DEMOB				1		115,00
Directional Drilling Services						307,00
Solids Control		1				46,00
Well Control Equip (Snubbing Services)			PCOM.240		0	148,00
Completion Rig			PCOM.115		0	21,00
Coil Tubing Services			PCOM.260		0	
Completion Logging/Perforating/Wireline			PCOM.200		0	257,00
Composite Plugs			PCOM.390		0	39,00
Stimulation			PCOM.210		0	2,245,00
Stimulation Water/Water Transfer/Water			7.49			191,00
Cimarex Owned Frac/Rental Equipment			PCOM.305		0	60,00
Legal/Regulatory/Curative	CON.300	0				10,00
Well Control Insurance	(23)					7,00
Major Construction Overhead	CON.305	26,507				26,50
FL/GL - ON PAD LABOR	CON.495	37,613				37,61
FL/GL - Labor	CON.500	94,842				94,84
FL/GL - Supervision	CON.505	14,429				14,42
Survey	CON.515	2351				2,35
SWD/Other - Labor	CON.600	0				2,33
SWD/Other - Supervision	CON.605	0				
Aid In Construct/3rd Party Connect	CON.701	40.531				40,53
Contingency	CON.220	105,542				403,54
Contingency	CON 221	23,508				23,50
Total Intangible Cost	CONZZI				100 354	7,100,42
Conductor Pipe		669,568			190,354	7,100,42
Water String						104,00
Surface Casing						251,00
Intermediate Casing 1						
Production Casing or Liner						792,00
Tubing			PCOMT.105		0	139,00
Wellhead, Tree, Chokes			PCOMT.120	Replace worn chokes and valves during FB	10,000	104,00
Liner Hanger, Isolation Packer			doughacte			
Packer, Nipples			PCOMT.400		0	28,000
SHORT ORDERS	CONT.380	10,538				10,53
PUMPS	CONT.385	30,804				30,80
WALKOVERS	CONT.390	4,053	era eteraleria			4,05
Downhole Lift Equipment			PCOMT.410		0	80,00
Surface Equipment			PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials	*****	and the second	PCOMT.455	PTs, and replacing meters	5,000	5,00
N/C Lease Equipment	CONT.400	184,334				184,334
Tanks, Tanks Steps, Stairs	CONT.405	51,879				51,879
Battery Equipment	CONT.410	214,003				214,00
Secondary Containments	CONT.415	19,292				19,29
Overhead Power Distribution	CONT.420	64,038				64,031
Facility Electrical	CONT.425	32,100				32,10
Telecommunication Equipment	CONT.426	486				48
Meters and Metering Equipment	CONT.445	45,232				45,23
Facility Line Pipe	CONT.450	31,208				31,20
Lease Automation Materials	CONT.455	32,424				32,42
FL/GL - Materials	CONT.550	21,400				21,400
FL/GL - Line Pipe	CONT.555	48,637				48,63
SWD/Other - Materials	CONT.650	0				(
SWD/Other - Line Pipe	CONT.655	0				
		790,428			30,000	2,308,428
Total Tangible Cost						

COTERRA AFE # XXXXXXX Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 303H Date Prepared Company Entity 8/17/2022 Prospect Property Number Well Name Exploration Region XXXXXXXX Permian Basin Loosey Goosey 4-9 Fed Com 303H New Mexico Bone Spring XXXXXX-XXX.01 Estimated Soud **Estimated Completion** County, State Location Lea, NM Section 4-9 T20S-R34E Lea, NM Well Type Ttl Vetical Deoth. Ttl Measured Depth Supplement 20310 10810 DEV Revision Drill and complete well Purpose Description Drilling The intended surface hold location for the well is 280 FSL and 1540 FEL of Section 33, T19S-R34E, and the intended bottom hole location is 100 FSL and 1744 FEL of Section 9, T20S-R34E. The well is proposed to be drilled vertically to the 3rd Sand formation and laterally in a southerly direction within the formation to the referenced bottom hole location. Total vertical depth of the well is proposed to be approximately 10810 feet. Intangible Dry Hole After Casing Point Completed Well Cost \$2,475,500 Drilling Costs \$2,475,500 Completion Casts \$4,595,289 \$4,595,289 \$4,595,289 \$7,070,789 Total Intangible Cost \$2,475,500 Completed Well Cost Tangible Dry Hole After Casing Point Well Equipment \$393,000 \$1,125,000 \$1,518,000 \$840.065 Lease Equipment \$840.065 Total Tangible Cost \$2,358,065 \$393,000 \$1,965,065 Total Well Cost \$6,560,354 \$9,428,854 \$2,868,500 Comments On Well Costs 1. All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier. Well Control Insurance Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator. I elect to purchase my own well control insurance policy. Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above. I elect to take my gas in kind. I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract. The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Approved By (Signature)

Date

7/6/2022

Released to Imaging: 8/3/2023 10:10:31 AM

Nonoperator Approval

Company

Approved By (Print Name)

share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate



COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 303H

Description	BCP - Dr	1	ACP -			np/Stim	1	ion Equip	Post Com		Total
	Codes	Amount	Codes	Amount		Amount		Amount	Codes	Amount	Co
Roads & Location	DIDC.100	20,000			STIM.100	3,000		44,205	PCOM.100	3,000	70,20
Damages	DIDC.105	16,500					CON.105	3215			19,71
Mud/Fluids Disposal	DIDC.255	200,000			STIM.255	51,000			PCOM.255	0	251,00
Day Rate	DIDC.115	468,000	DICC 120	96,000							564,00
Misc Preparation	DIDC.120	30,000									30,00
Bits	DIDC.125	97,000	DICC.125	0	STIM.125	0			PCOM.125	0	97,00
Fuel	DIDC.135	119,000	DICC.130	0					PCOM.130	0	119,00
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	20,000			PCOM.135	0	25,00
Mud & Additives	DIDC.145	300,000				20,000					300,000
SWD PIPED TO 3RD PARTY SWD WELL	Diocirio	300,000							PCOM.257	87,354	87,35
	DIDC 150	07.000	DICCAM	0	CTILLIAN	177.000	CONTIN	6012	PCOM.140	60,000	300,91
Surface Rentals	DIDC.150	97,000	DICC 140	Ü	STIM.140	137,000		6,912			
Downhole Rentals	DIDC.155	131,000			STIM.145	35,000			PCOM.145	0	166,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	45,010	PCOM.150	5,000	50,010
Mud Logging	DIDC.170	5,000									5,000
IPC & EXTERNAL PAINTING							CON.165	5,144			5,14
Cementing & Float Equipment	DIDC.185	70,000	DICC.155	140,000				-			210,000
Tubular Inspections	DIDC.190	38,000	DICC.160	8,000	STIM.160	4,000			PCOM.160	0	50,000
Casing Crews	DIDC.195	15,000	DICC.165	13,000		0					28,000
Mechanical Labor	DIDC.200	20,000	DICC 170	3,000		0		185,663	PCOM.170	5,000	213,663
					Territoria I						
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000		4,000	1	16,075	PCOM.175	0	58,075
Supervision	DIDC.210	81,000	DICC.180	13,000		47,000		11,574	PCOM.180	0	152,574
Trailer House/Camp/Catering	DIDC.280	36,000	DICC.255	5,000		31,000					72,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	85,000	CON.190	19,290	PCOM.190	0	109,290
Overhead	DIDC.225	5,000	DICC.195	5,000				1			10,000
MOB/DEMOB	DIDC 240	115,000									115,000
Directional Drilling Services	DIDC.245	307,000									307,000
Solids Control	DIDC.260	46,000									46,000
Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC.240	0	STIM.240	64,000			PCOM.240	0	148,000
Completion Rig	5,56,203	0-4,000	5166640	U	STIM.115	21,000			PCOM.240 PCOM.115	0	21,000
									PCOM.260		21,000
Coil Tubing Services					STIM.260	0				0	
Completion Logging/Perforating/Wireline					STIM.200	257,000			PCOM.200	0	257,000
Composite Plugs					STIM.390	39,000			PCOM.390	0	39,000
Stimulation					STIM.210	2,245,000			PCOM.210	0	2,245,000
Stimulation Water/Water Transfer/Water					STIM.395	191,000					191,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000		1	PCOM.305	0	60,000
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	7,000						1			7,000
Major Construction Overhead	DIDCLOS	1,000					CON.305	0			.,
FL/GL - ON PAD LABOR								1			33,114
							CON.495	33,114			
FL/GL - Labor							CON.500	113,970			113,970
FL/GL - Supervision							CON.505	12,056			12,056
Survey							CON.515	6,590			6,590
SWD/Other - Labor							CON,600	0			(
SWD/Other - Supervision							CON.605	0			(
Aid In Construct/3rd Party Connect							CON.701	0			
Contingency	DIDC.435	118,000	DICC.220	15.000	STIM.220	165,000	CON.220	106,737	PCOM.220	0	404,737
Contingency						100,000	CON.221	30,381	0.0000000		30,381
Total Intangible Cost		2,475,500		306,000		3,459,000	CONTACT	639,935		190,354	7,070,789
Conductor Pipe	DWEB.130	0		200,000		3,439,000		035,533	-	150,534	7,070,703
The state of the s	The Assessment of the State of	100									
Water String	DWEB.135	104,000									104,000
Surface Casing	DWEB.140	251,000									251,000
Intermediate Casing 1	DWEB.145	0									C
Production Casing or Liner			DWEA.100	792,000							792,000
Tubing					STIMT.105	139,000			PCOMT.105	0	139,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18.000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125	0		20,000			ALCOHOLD STATE	12,230	0
Packer, Nipples	21123/100	U	J. T. T. T.	U	STIME 400	20,000			PCOMT.400	0	28,000
SHORT ORDERS					STIMT.400	28,000		27.455	FCOM1.400	U	
							CONT.380	11,253			11,253
PUMPS							CONT.385	26,362			26,362
WALKOVERS							CONT.390	6,430	Donation of		6,430
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
Surface Equipment									PCOMT.420	15,000	15,000
Well Automation Materials									PCOMT.455	5,000	5,000
N/C Lease Equipment							CONT.400	279,861		-	279,861
Tanks, Tanks Steps, Stairs				0.00			CONT.405	0			0
Battery Equipment							CONT.410	57.7.77			229,386
								229,386			
Secondary Containments							CONT.415	12,859			12,859
Overhead Power Distribution							CONT.420	10,288			10,288
Facility Electrical							CONT.425	48,224			48,224
Telecommunication Equipment							CONT.426	0			0
Meters and Metering Equipment							CONT.445	42,758			42,758
Facility Line Pipe							CONT.450	28,935			28,935
Lease Automation Materials							CONT.455	36,972			36,972
FL/GL - Materials							CONT.550	26,684			26,684
FL/GL - Line Pipe							CONT.555	80,052			80,052
SWD/Other - Materials							CONT.650	0			C
SWD/Other - Line Pipe							CONT.655	0			0
		202.000		810,000		285,000		840,065		30,000	2,358,065
Total Tangible Cost		393,000		010,000		205,000		0440,003		30,000	2,000,000



COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 303H

Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes DWEB.115 Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS	CC.125 CC.130 CC.135 CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	30,000 97,000 119,000 300,000 97,000 131,000 5,000 15,000 20,000 36,000 5,000 5,000 5,000 115,000 36,000 46,000	DICC.120 DICC.125 DICC.130 DICC.135 DICC.140 DICC.155 DICC.160 DICC.165 DICC.175 DICC.175 DICC.175 DICC.180 DICC.255 DICC.255 DICC.190 DICC.195	STIM.140 STIM.160 STIM.165 STIM.175 STIM.175 STIM.180 STIM.280 STIM.190	96,000 0 0 140,000 8,000 13,000 8,000 13,000 5,000 5,000	Codes STIM.100 STIM.255 STIM.125 STIM.135 STIM.140 STIM.141 STIM.160 STIM.160 STIM.175 STIM.175 STIM.170 STIM.170 STIM.180 STIM.180 STIM.180 STIM.180	CON.140 CON.170 CON.175 CON.180	4,000
Damages DIDC.105 Mud/Fluids Disposal DIDC.255 Day Rate DIDC.125 Miss Preparation DIDC.125 Bits DIDC.125 Fuel DIDC.135 Mater for Drilling Rig (Not Frac DIDC.140 Mud & Additives DIDC.145 SWD PIPED TO 3RD PARTY SWD DIDC.150 Surface Rentals DIDC.150 Downhole Rentals DIDC.155 Flowback Labor Automation Labor Mud Logging DIDC.170 IPC & EXTERNAL PAINTING DIDC.185 Cementing & Float Equipment DIDC.185 Tubular Inspections DIDC.200 Casing Crews DIDC.200 Mechanical Labor DIDC.200 Trucking/Transportation DIDC.200 Supervision DIDC.200 Olice DIDC.200 Other Misc Expenses DIDC.200 Olice Trucking/Transportation DIDC.200 Other Misc Expenses DIDC.200 Olice Trucking/Transportation DIDC.200 Directional Drilling	CC.125 CC.130 CC.135 CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	16,500 200,000 468,000 30,000 97,000 119,000 5,000 97,000 131,000 5,000 15,000 30,000 81,000 5,000 5,000 5,000 115,000 36,000 46,000 46,000	DICC.120 DICC.125 DICC.130 DICC.135 DICC.140 DICC.155 DICC.160 DICC.165 DICC.170 DICC.170 DICC.180 DICC.255 DICC.190 DICC.195	STIM.140 STIM.160 STIM.165 STIM.175 STIM.175 STIM.180 STIM.280 STIM.190	140,000 8,000 13,000 3,000 5,000	STIM.125 STIM.125 STIM.135 STIM.140 STIM.145 STIM.141 STIM.160 STIM.170 STIM.175 STIM.175 STIM.178	CON.140 CON.170 CON.175	51,000 20,000 137,000 35,000 4,000
DIDC.255 DIDC.255 DIDC.150 DIDC.155 DIDC.150 DIDC.155 DIDC.150 DIDC.155 DIDC.150	CC.125 CC.130 CC.135 CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	200,000 468,000 30,000 97,000 119,000 5,000 300,000 70,000 38,000 30,000 81,000 5,000 5,000 5,000 115,000 36,000 36,000 46,000 46,000	DICC.120 DICC.125 DICC.130 DICC.135 DICC.140 DICC.155 DICC.160 DICC.165 DICC.170 DICC.170 DICC.180 DICC.255 DICC.190 DICC.195	STIM.140 STIM.160 STIM.165 STIM.175 STIM.175 STIM.180 STIM.280 STIM.190	140,000 8,000 13,000 3,000 5,000	STIM.125 STIM.135 STIM.140 STIM.141 STIM.141 STIM.160 STIM.175 STIM.175 STIM.175 STIM.178 STIM.178	CON 170 CON 175	20,000 137,000 35,000 4,000
Day Rate DIDC.115 DICC.125 Misc Preparation DIDC.125 DICC.125 Fuel DIDC.125 DICC.125 Water for Drilling Rig (Not Frac DIDC.135 DICC.145 SWD PIPED TO 3RD PARTY SWD DIDC.145 DIDC.145 SWD PIPED TO 3RD PARTY SWD DIDC.150 DICC.150 Surface Rentals DIDC.155 DICC.150 Downhole Rentals DIDC.150 DICC.150 Mud Logging DIDC.150 DICC.150 IPC & EXTERNAL PAINTING Cementing & Float Equipment DIDC.180 DICC.180 Mud Logging DIDC.190 DICC.260 DICC.260 <t< td=""><td>CC.125 CC.130 CC.135 CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195</td><td>468.000 30,000 97,000 119,000 5,000 300,000 97,000 38,000 15,000 30,000 81,000 5,000 5,000 5,000 115,000 46,000</td><td>DICC.120 DICC.125 DICC.130 DICC.135 DICC.140 DICC.155 DICC.160 DICC.165 DICC.170 DICC.170 DICC.180 DICC.255 DICC.190 DICC.195</td><td>STIM.140 STIM.160 STIM.165 STIM.175 STIM.175 STIM.180 STIM.280 STIM.190</td><td>140,000 8,000 13,000 3,000 5,000</td><td>STIM.125 STIM.135 STIM.140 STIM.141 STIM.141 STIM.160 STIM.175 STIM.175 STIM.175 STIM.178 STIM.178</td><td>CON 170 CON 175</td><td>20,00 137,00 35,00 4,00</td></t<>	CC.125 CC.130 CC.135 CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	468.000 30,000 97,000 119,000 5,000 300,000 97,000 38,000 15,000 30,000 81,000 5,000 5,000 5,000 115,000 46,000	DICC.120 DICC.125 DICC.130 DICC.135 DICC.140 DICC.155 DICC.160 DICC.165 DICC.170 DICC.170 DICC.180 DICC.255 DICC.190 DICC.195	STIM.140 STIM.160 STIM.165 STIM.175 STIM.175 STIM.180 STIM.280 STIM.190	140,000 8,000 13,000 3,000 5,000	STIM.125 STIM.135 STIM.140 STIM.141 STIM.141 STIM.160 STIM.175 STIM.175 STIM.175 STIM.178 STIM.178	CON 170 CON 175	20,00 137,00 35,00 4,00
Misc Preparation DIDC.120 Bits DIDC.125 Fuel DIDC.125 Water for Drilling Rig (Not Frac DIDC.135 Mud & Additives DIDC.145 SWD PIPED TO 3RD PARTY SWD DIDC.150 Downhole Rentals DIDC.155 Flowback Labor Automation Labor Mud Logging DIDC.170 IPC & EXTERNAL PAINTING DIDC.190 Cementing & Float Equipment DIDC.190 Tubular Inspections DIDC.190 Casing Crew DIDC.190 Mechanical Labor DIDC.200 Trucking/Transportation DIDC.200 Supervision DIDC.230 Other Misc Expenses DIDC.230 Other Misc Expenses DIDC.230 Other Misc Expenses DIDC.240 Directional Drilling Services DIDC.240 Directional Drilling Services DIDC.245 Solids Control DIDC.260 Well Control Equip (Snubbing DIDC.265 Completion Rig DIDC.265 Completion Rig DIDC.265	CC.125 CC.130 CC.135 CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	30,000 97,000 119,000 300,000 97,000 131,000 5,000 15,000 20,000 36,000 5,000 5,000 5,000 115,000 36,000 46,000	DICC.125 DICC.130 DICC.135 DICC.140 DICC.155 DICC.160 DICC.165 DICC.170 DICC.170 DICC.180 DICC.180 DICC.190	STIM.140 STIM.160 STIM.165 STIM.175 STIM.175 STIM.180 STIM.280 STIM.190	140,000 8,000 13,000 3,000 5,000	STIM.140 STIM.140 STIM.145 STIM.141 STIM.165 STIM.175 STIM.175 STIM.175 STIM.180 STIM.280	CON 170 CON 175	20,00 137,00 35,00 4,00
Bits	CC.130 CC.135 CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	97,000 119,000 5,000 97,000 131,000 5,000 70,000 38,000 15,000 30,000 81,000 5,000 5,000 115,000 36,000 46,000	DICC.130 DICC.135 DICC.140 DICC.155 DICC.160 DICC.165 DICC.170 DICC.175 DICC.170 DICC.175 DICC.170 DICC.175 DICC.190	STIM.140 STIM.160 STIM.165 STIM.175 STIM.175 STIM.180 STIM.280 STIM.190	140,000 13,000 13,000 13,000 5,000	STIM.140 STIM.140 STIM.145 STIM.141 STIM.165 STIM.175 STIM.175 STIM.175 STIM.180 STIM.280	CON 170 CON 175	20,00 137,00 35,00 4,00
Fuel DIDC.135 DIDC.135 DIDC.140 Water for Drilling Rig (Not Frac DIDC.140 DIDC.145 DIDC.145 SWD PIPED TO 3RD PARTY SWD DIDC.150 DIDC.150 DIDC.150 SWD PIPED TO 3RD PARTY SWD DIDC.155 DIDC.155 DIDC.155 SWD PIPED TO 3RD PARTY SWD DIDC.155 DIDC.155 DIDC.150 Downhole Rentals DIDC.155 DIDC.150 DIDC.150 DIDC.150 DIDC.170 DIDC.170 DIDC.170 DIDC.170 DIDC.170 DIDC.170 DIDC.180 DIDC.190 DIDC.190 DIDC.190 DIDC.190 DIDC.200	CC.130 CC.135 CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	119,000 5,000 300,000 97,000 131,000 5,000 15,000 20,000 36,000 5,000 5,000 115,000 36,000 46,000	DICC.130 DICC.135 DICC.140 DICC.155 DICC.160 DICC.165 DICC.170 DICC.175 DICC.170 DICC.175 DICC.170 DICC.175 DICC.190	STIM.140 STIM.160 STIM.165 STIM.175 STIM.175 STIM.180 STIM.280 STIM.190	140,000 13,000 13,000 13,000 5,000	STIM.140 STIM.140 STIM.145 STIM.141 STIM.165 STIM.175 STIM.175 STIM.175 STIM.180 STIM.280	CON 170 CON 175	20,00 137,00 35,00 4,00
Water for Drilling Rig (Not Frac Mud & Additives SWD PIPED TO 3RD PARTY SWD Surface Rentals Downhole Rentals Downhole Rentals DiDC.155 Flowback Labor Automation Labor Mud Logging IPC & EXTERNAL PAINTING Cementing & Float Equipment DiDC.195 DiDC.195 Mechanical Labor DiDC.195 Mechanical Labor DiDC.205 DiDC.195 Mechanical Labor DiDC.205	CC.135 CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	5,000 300,000 97,000 131,000 5,000 70,000 38,000 15,000 81,000 5,000 5,000 115,000 307,000 46,000	DICC.135 DICC.140 DICC.155 DICC.160 DICC.175 DICC.175 DICC.175 DICC.175 DICC.175 DICC.180 DICC.255 DICC.190 DICC.195	STIM.140 STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	140,000 8,000 13,000 8,000 13,000 5,000	STIM.140 STIM.145 STIM.161 STIM.165 STIM.170 STIM.175 STIM.175 STIM.178	CON 170 CON 175	137,00 35,00 4,00
Mud & Additives SWD PIPED TO 3RD PARTY SWD Surface Rentals DiDC.155 Downhole Rentals DiDC.155 Downhole Rentals DiDC.155 DiDC.150 DiDC.150 DiDC.150 DiDC.170	CC.140 CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	300,000 97,000 131,000 5,000 70,000 38,000 15,000 81,000 81,000 5,000 5,000 115,000 46,000	DICC.140 DICC.155 DICC.160 DICC.165 DICC.170 DICC.170 DICC.180 DICC.255 DICC.190 DICC.195	STIM.140 STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	140,000 8,000 13,000 8,000 13,000 5,000	STIM.140 STIM.145 STIM.161 STIM.165 STIM.170 STIM.175 STIM.175 STIM.178	CON 170 CON 175	137,000 35,000 4,000
SWD PIPED TO 3RD PARTY SWD Surface Rentals Downhole Rentals Flowback Labor Automation Labor Mud Logging PIC & EXTERNAL PAINTING Cementing & Float Equipment Tubular Inspections DIDC.155 DICC.185 DICC.200 DICC.200 DICC.200 DICC.200 DICC.201 Trailer House/Camp/Catering DIDC.225 DICC.200 DI	CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190	97,000 131,000 5,000 70,000 38,000 15,000 30,000 81,000 5,000 5,000 115,000 46,000	DICC.140 DICC.155 DICC.165 DICC.165 DICC.170 DICC.170 DICC.180 DICC.255 DICC.190 DICC.195	STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	140,000 8,000 13,000 3,000 8,000 13,000 5,000	STIM.145 STIM.141 STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 170 CON 175	4,000 4,000 4,000
Surface Rentals	CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190	5,000 70,000 38,000 15,000 20,000 81,000 5,000 115,000 307,000 46,000	DICC.155 DICC.160 DICC.165 DICC.175 DICC.175 DICC.180 DICC.255 DICC.190	STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	140,000 8,000 13,000 3,000 8,000 13,000 5,000	STIM.145 STIM.141 STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 170 CON 175	4,000
Downhole Rentals Flowback Labor Automation Labor Mud Logging IPC & EXTERNAL PAINTING Cementing & Float Equipment Tubular Inspections Casing Crews IDDC.195 IDC.195 IDC.205 IDC.195 IDC.205 IDC.206 IDC.206 IDC.206 IDC.206 IDC.206 IDC.206 IDC.206 IDC.206 IDC.207 IDC	CC.155 CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190	5,000 70,000 38,000 15,000 20,000 81,000 5,000 115,000 307,000 46,000	DICC.155 DICC.160 DICC.165 DICC.175 DICC.175 DICC.180 DICC.255 DICC.190	STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	140,000 8,000 13,000 3,000 8,000 13,000 5,000	STIM.145 STIM.141 STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 170 CON 175	4,000 4,000 4,000
Flowback Labor	CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	5,000 70,000 38,000 15,000 20,000 30,000 81,000 5,000 5,000 115,000 46,000	DICC.155 DICC.160 DICC.165 DICC.170 DICC.175 DICC.180 DICC.255 DICC.190	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	8,000 13,000 3,000 8,000 13,000 5,000	STIM.141 STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 175	4,000
Automation Labor Mud Logging DIDC.170 PC & EXTERNAL PAINTING Cementing & Float Equipment DIDC.185 Tubular Inspections DIDC.190 Casing Crews DIDC.195 Casing Crews DIDC.205 Casing Crews DIDC.205 Mechanical Labor DIDC.200 Trucking/Transportation DIDC.205 Supervision DIDC.205 Supervision DIDC.205 Coverhead DIDC.225 Overhead DIDC.225 Overhead DIDC.225 DIDC.225 Overhead DIDC.225 DIDC.230 DIDC.230 DIDC.230 DIDC.230 DIDC.235 DIDC.	CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	70,000 38,000 15,000 20,000 30,000 81,000 5,000 5,000 115,000 46,000	DICC.155 DICC.160 DICC.165 DICC.170 DICC.175 DICC.180 DICC.255 DICC.190	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	8,000 13,000 3,000 8,000 13,000 5,000	STIM.160 STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 175	4,000
Mud Logging IPC & EXTERNAL PAINTING Cementing & Float Equipment Tubular Inspections Casing Crews DIDC.195 DICC Casing Crews DIDC.200 DICC Casing Crews Mechanical Labor Trucking/Transportation DIDC.200 DICC Trucking/Transportation DIDC.200 DICC Trucking/Transportation DIDC.200 DICC DICC Trucking/Transportation DIDC.200 DICC DICC Trucking/Transportation DIDC.200 DICC DICC Trucking/Transportation DIDC.200 DICC DICC DICC Trucking/Transportation DIDC.200 DICC DICC DICC DICC DICC DICC DICC DI	CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	70,000 38,000 15,000 20,000 30,000 81,000 5,000 5,000 115,000 46,000	DICC.155 DICC.160 DICC.165 DICC.170 DICC.175 DICC.180 DICC.255 DICC.190	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	8,000 13,000 3,000 8,000 13,000 5,000	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 175	4,000
IPC & EXTERNAL PAINTING Cementing & Float Equipment Tubular Inspections DIDC.185 DIDC.190 DICC. Casing Crews DIDC.205 Mechanical Labor Trucking/Transportation DIDC.205 DICC. Mechanical Labor Trucking/Transportation DIDC.205 DICC. Supenvision DIDC.205 DICC. Supenvision DIDC.205 DICC. Supenvision DIDC.205 DICC. DIDC.225 DICC. DICC	CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	70,000 38,000 15,000 20,000 30,000 81,000 5,000 5,000 115,000 46,000	DICC.155 DICC.160 DICC.165 DICC.170 DICC.175 DICC.180 DICC.255 DICC.190	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	8,000 13,000 3,000 8,000 13,000 5,000	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 175	4,000
Cementing & Float Equipment DIDC.185 DIC.195 DIC.195 DIC.195 DIC.195 DIC.195 DIC.205 DIC.206 DIC.205 DIC.206 DIC.206 DIC.207 DI	CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	38,000 15,000 20,000 30,000 81,000 5,000 5,000 115,000 307,000 46,000	DICC.160 DICC.165 DICC.170 DICC.175 DICC.180 DICC.255 DICC.190 DICC.195	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	8,000 13,000 3,000 8,000 13,000 5,000	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 175	4,000
Tubular Inspections DIDC.190 DIDC.190 DIDC.190 DIDC.205 DIDC.206 DIDC.206 </td <td>CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195</td> <td>38,000 15,000 20,000 30,000 81,000 5,000 5,000 115,000 307,000 46,000</td> <td>DICC.160 DICC.165 DICC.170 DICC.175 DICC.180 DICC.255 DICC.190 DICC.195</td> <td>STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190</td> <td>8,000 13,000 3,000 8,000 13,000 5,000</td> <td>STIM.165 STIM.170 STIM.175 STIM.180 STIM.280</td> <td>CON 175</td> <td>4,000</td>	CC.160 CC.165 CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	38,000 15,000 20,000 30,000 81,000 5,000 5,000 115,000 307,000 46,000	DICC.160 DICC.165 DICC.170 DICC.175 DICC.180 DICC.255 DICC.190 DICC.195	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	8,000 13,000 3,000 8,000 13,000 5,000	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 175	4,000
Casing Crews DIDC.195 DICC Mechanical Labor DIDC.200 DICC Trucking/Transportation DIDC.205 DICC Supervision DIDC.205 DICC Trailer House/Camp/Catering DIDC.280 DICC Trailer House/Camp/Catering DIDC.280 DICC Trailer House/Camp/Catering DIDC.280 DICC Overhead DIDC.225 DICC Overhead DIDC.230 DIDC.265 DICC Overhead DIDC.230 DIDC.235 DIDC.235 DICC Overhead DIDC.230 DIDC.235 DIDC.23	CC.165 CC.170 CC.175 CC.180 CC.255 CC.190	15,000 20,000 30,000 81,000 36,000 5,000 115,000 307,000 46,000	DICC.165 DICC.170 DICC.175 DICC.180 DICC.255 DICC.190 DICC.195	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	13,000 3,000 8,000 13,000 5,000	STIM.165 STIM.170 STIM.175 STIM.180 STIM.280	CON 175	4,000
Mechanical Labor DIDC 200 DICC	CC.170 CC.175 CC.180 CC.255 CC.190 CC.195	20,000 30,000 81,000 36,000 5,000 115,000 307,000 46,000	DICC.170 DICC.175 DICC.180 DICC.255 DICC.190 DICC.195	STIM.170 STIM.175 STIM.180 STIM.280 STIM.190	3,000 8,000 13,000 5,000	STIM.170 STIM.175 STIM.180 STIM.280	CON 175	4,000
Trucking/Transportation DIDC.205 DICC Supension DIDC.210 DICC Supension DIDC.210 DICC 210 DICC 217 DIC	CC.175 CC.180 CC.255 CC.190 CC.195	30,000 81,000 36,000 5,000 5,000 115,000 307,000 46,000	DICC.175 DICC.180 DICC.255 DICC.190 DICC.195	STIM.175 STIM.180 STIM.280 STIM.190	8,000 13,000 5,000 0	STIM.175 STIM.180 STIM.280	CON 175	4,000
Supervision DIDC 210 DICC 210 DICC 210 DICC 210 DICC 210 DICC 210 DICC 220	CC.180 CC.255 CC.190 CC.195	81,000 36,000 5,000 5,000 115,000 307,000 46,000	DICC.180 DICC.255 DICC.190 DICC.195	STIM.180 STIM.280 STIM.190	13,000 5,000 0	STIM.180 STIM.280		
Trailer House/Camp/Catering DIDC 280 DICC 280 Other Misc Expenses DIDC 220 DICC 280	CC.255 CC.190 CC.195	36,000 5,000 5,000 115,000 307,000 46,000	DICC.190 DICC.195	STIM.190	5,000 0	STIM.280	CON.180	47.00
Other Misc Expenses Other Misc Expenses Overhead Objectional Drilling Services Solids Control Overheit Equip (Snubbing Completion Rig Coil Tubing Services Completion Rig Coil Tubing Services Completion Rig Coil Tubing Services Completion Composite Plugs Stimulation Stimulation Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative DiDC.285 Major Construction Overhead Fl/GL - ON PAD LABOR Fl/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String Water String Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS	CC.190 CC.195	5,000 5,000 115,000 307,000 46,000	DICC.190 DICC.195	STIM:190	0			47,000
Other Misc Expenses DIDC 220 DICC Overhead DIDC 225 DICC Overhead DIDC 225 DICC Overhead DIDC 225 DICC Overhead DIDC 225 DIDC 240 DIDC 245	CC.195	5,000 115,000 307,000 46,000	DICC.195		1	STIM.190	the same of the sa	31,000
MOB/DEMOB DIDC 240 Directional Drilling Services DIDC 245 Solids Control DIDC 265 Well Control Equip (Snubbing DIDC 265 Completion Rig Coil Tubing Services Completion Composite Plugs Stimulation Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative Well Control Insurance DIDC 285 Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Contingency Total Intangible Cos Conductor Pipe Well Surface Casing DWEB.130 Surface Casing DWEB.140 Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer PLORT DRDERS		115,000 307,000 46,000		STIM 240	5,000		CON 190	85,000
Directional Drilling Services Solids Control Well Control Equip (Snubbing Completion Rig Coil Tubing Services Completion Composite Plugs Stimulation Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String Date Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS	CC240	307,000 46,000		STIM 240	1			
Directional Drilling Services Solids Control Solids Control DIDC 260 Well Control Equip (Snubbing Completion Rig Coil Tubing Services Completion Composite Plugs Stimulation Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative DIDC 285 Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Labor FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String DWEB.135 Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS	CC240	307,000 46,000		STIM 240				
Solids Control Well Control Equip (Snubbing Completion Rig Coll Tubing Services Completion Composite Plugs Stimulation Stimulation Stimulation Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String Water String DWEB.135 Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer PLOSI - DIDC.265 DIDC.265 DIDC.285 DICC.265 DIDC.285 DICC.265 DIDC.285 DICC.265 DIDC.285 DIDC	CC240	46,000		STIM 240				
Well Control Equip (Snubbing Completion Rig Coil Tubing Services Completion Composite Plugs Stimulation Stimulation Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative DIDC.300 Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Contingency Total Intangible Cos Conductor Pipe Water String Water String Water String DWEB.135 Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS	CC 240		DICC.240	STIM 240				
Completion Rig Coil Tubing Services Completion Composite Plugs Stimulation Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String DWEB.130 Water String DWEB.135 Surface Casing DWEB.140 Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS				J111V1.44U	0	STIM.240		64,000
Coil Tubing Services Completion Composite Plugs Stimulation Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Labor FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String DWEB.135 Surface Casing Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS						STIM.115		21,000
Completion Composite Plugs Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Labor FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String DWEB.135 Surface Casing Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS						STIM.260		(
Composite Plugs Stimulation Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String DWEB.135 Surface Casing DWEB.140 Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS						STIM.200		257,000
Stimulation Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid in Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String Water String DWEB.135 Surface Casing DWEB.140 Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS						STIM.390		39,000
Stimulation Water/Water Cimarex Owned Frac/Rental Legal/Regulatory/Curative Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Labor FL/GL - Labor SWD/Other - Labor SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String DWEB.135 Surface Casing Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS						STIM.210		2,245,000
Cimarex Owned Frac/Rental Legal/Regulatory/Curative Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String DwEB.135 Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS						STIM.395		191,000
Legal/Regulatory/Curative DIDC.300 Well Control Insurance DIDC 285 Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Labor FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency DIDC.435 Conductor Pipe DWEB.130 Water String DWEB.135 Surface Casing DWEB.140 Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes DWEB.115 Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS								
Well Control Insurance Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String Water String DWEB.130 Surface Casing DWEB.140 Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS		10.000				STIM.305		60,000
Major Construction Overhead FL/GL - ON PAD LABOR FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String DWEB.130 Water String DWEB.130 UNEB.135 UNEB.135 UNEB.135 UNEB.136 UNEB.136 UNEB.136 UNEB.135 UNEB.140 UNEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS		10,000						
FL/GL - ON PAD LABOR FL/GL - Labor FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String DWEB.135 Surface Casing Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubling Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS		7,000						
FL/GL - Labor FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String DWEB.135 Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS								
FL/GL - Supervision Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String Water String DWEB.135 Surface Casing DWEB.140 Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS								
Survey SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS								
SWD/Other - Labor SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String Water String DWEB.130 UNEB.130 UNEB.130 UNEB.130 UNEB.140 Intermediate Casing Intermediate Casing UNEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS								
SWD/Other - Supervision Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String UWEB.135 Surface Casing Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS								
Aid In Construct/3rd Party Connect Contingency Total Intangible Cos Conductor Pipe Water String Water String DWEB.135 Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS								
Contingency Contingency Total Intangible Cos Conductor Pipe Water String Water String DWEB.135 Surface Casing Owteb.140 Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS DIDCA35 DWEB.130 DWEB.130 DWEB.135 DWEB.145 DWEB.100 DWEB.115 DWEB.100 DWEB.115 DWEB.100 DWEB								
Contingency Total Intangible Cos Conductor Pipe Water String DWEB.135 Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS	ATMOS I							
Total Intangible Cos Conductor Pipe Water String DWEB.130 Water String DWEB.135 Surface Casing Intermediate Casing 1 DWEB.140 Intermediate Casing 1 Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS	CC 220	118,000	DICC.220	STIM.220	15,000	STIM.220	CON.220	165,000
Conductor Pipe DWEB.130 Water String DWEB.135 Surface Casing DWEB.135 Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes DWEB.115 DWE Liner Hanger, Isolation Packer DWEB.100 DWEB.100 Packer, Nipples SHORT ORDERS								
Water String DWEB.135 Surface Casing DWEB.140 Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes DWEB.115 Liner Hanger, Isolation Packer DWEB.100 Packer, Nipples SHORT ORDERS		2,475,500			306,000			3,459,000
Surface Casing DWEB.140 Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes DWEB.115		0						
Intermediate Casing 1 DWEB.145 Production Casing or Liner Tubing Wellhead, Tree, Chokes DWEB.115 Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS		104,000						
Production Casing or Liner Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS		251,000						
Tubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples SHORT ORDERS DWEB.105 DWEB.105 DWEB.106 DWEB.107		0						
Wellhead, Tree, Chokes DWEB.115 DWE Liner Hanger, Isolation Packer DWEB.100 DWE Packer, Nipples SHORT ORDERS			DWEA.100		792,000			
Liner Hanger, Isolation Packer DWEB.100 DWE Packer, Nipples SHORT ORDERS						STIMT.105		139,000
Packer, Nipples SHORT ORDERS	100000000000000000000000000000000000000	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
SHORT ORDERS	WEA.125	0	DWEA.125		0			
Carrier Control of the Control of th						STIMT.400		28,000
PUMPS								1
DECEMBER OF STREET								
WALKOVERS								
Downhole Lift Equipment						STIMT.410		80,000
Surface Equipment								100000
Well Automation Materials								
N/C Lease Equipment								
Tanks, Tanks Steps, Stairs								
Battery Equipment								
Secondary Containments								
Overhead Power Distribution								
Facility Electrical								
Telecommunication Equipment								
Meters and Metering Equipment								
AND								
Facility Line Pipe								
Lease Automation Materials								
FL/GL - Materials								
FL/GL - Materials								1
SWD/Other - Materials								
SWD/Other - Line Pipe								
Total Tangible Cost Total Estimated Cost		393,000			810,000			285,000



COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 303H

Description	L-10-10-10-10-10-10-10-10-10-10-10-10-10-	Production Equip			Post Completion		Total
Description	Codes		Amount	Codes		Amount	Co
Roads & Location	CON.100		44,205	PCOM.100	Repair any roads post D&C	3,000	70,20
Damages	CON.105		3215				19,71
Mud/Fluids Disposal				PCOM.255		0	251,00
Day Rate							564,00
Misc Preparation							30,00
Bits				PCOM.125		0	97,00
Fuel				PCOM.130	4	0	119,00
Water for Drilling Rig (Not Frac Water)			1	PCOM.135		0	25,00
Mud & Additives							300,00
SWD PIPED TO 3RD PARTY SWD WELL				PCOM.257	Water for 60 days (270K barrels)	87,354	87,35
Surface Rentals	CON.140		6,912		Iron. XEC Own 5K. No 10K. \$1,100 per day	60,000	300,91
Downhole Rentals	CON.140		0,912		Iron. AEC OWIT SK. NO TOK. \$1,100 per day	0,000	166,00
				PCOM.145	201 1 1 1 1 1 1 200 1 1 200	F 10 20 20 20 20 20 20 20 20 20 20 20 20 20	
Flowback Labor			10.47	PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,00
Automation Labor	CON.150		45,010	PCOM.150		5,000	50,01
Mud Logging	Contract		1 500				5,00
IPC & EXTERNAL PAINTING	CON.165		5,144				5,14
Cementing & Float Equipment							210,00
Tubular Inspections				PCOM.160		0	50,000
Casing Crews							28,000
Mechanical Labor	CON.170		185,663	PCOM.170	RU Flowback Iron & Automation	5,000	213,663
Trucking/Transportation	CON.175		16,075	PCOM.175		0	58,075
Supervision	CON.180		11,574	PCOM.180		0	152,574
Trailer House/Camp/Catering	7		1.097.4			7	72,000
Other Misc Expenses	CON.190		19,290	PCOM.190		0	109,290
Overhead	2012.150		19,290	r COIVI, 190		U	10,000
MOB/DEMOB							
							115,000
Directional Drilling Services							307,000
Solids Control							46,000
Well Control Equip (Snubbing Services)				PCOM.240		0	148,000
Completion Rig				PCOM.115		0	21,000
Coil Tubing Services				PCOM.260		0	(
Completion Logging/Perforating/Wireline				PCOM.200		0	257,000
Composite Plugs				PCOM.390		0	39,000
Stimulation				PCOM.210		0	2,245,000
Stimulation Water/Water Transfer/Water							191,000
Cimarex Owned Frac/Rental Equipment				PCOM.305		0	60,000
Legal/Regulatory/Curative	CON.300		0	FCON.303			10,000
	CO14.300		0				
Well Control Insurance							7,000
Major Construction Overhead	CON.305		0				
FL/GL - ON PAD LABOR	CON.495		33,114				33,114
FL/GL - Labor	CON.500		113,970				113,970
FL/GL - Supervision	CON.505		12,056				12,056
Survey	CON.515		6590				6,590
SWD/Other - Labor	CON.600		0				C
SWD/Other - Supervision	CON.605		0				0
Aid In Construct/3rd Party Connect	CON.701		0				0
Contingency	CON.220		106,737				404,737
Contingency	CON.221		30,381				30,381
Total Intangible Cost	44.144		639,935			190,354	7,070,789
Conductor Pipe			039,933			150,354	1,070,763
Water String							
Mark 1974 1974 1974 1974 1974 1974 1974 1974							104,000
Surface Casing							251,000
Intermediate Casing 1							0
Production Casing or Liner							792,000
Tubing				PCOMT.105		0	139,000
Wellhead, Tree, Chokes				PCOMT.120	Replace worn chokes and valves during FB	10,000	104,000
Liner Hanger, Isolation Packer							0
Packer, Nipples				PCOMT.400		0	28,000
SHORT ORDERS	CONT.380		11,253			-	11,253
PUMPS	CONT.385		26,362				26,362
WALKOVERS	CONT.390		6,430				6,430
Downhole Lift Equipment	20111.000		6,430	DCOLIT 110			
				PCOMT.410	Dealesing Chalus Co. H C	15,000	80,000
Surface Equipment			1	PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials	entir in		1 32.32	PCOMT.455	PTs, and replacing meters	5,000	5,000
N/C Lease Equipment	CONT.400		279,861				279,861
Tanks, Tanks Steps, Stairs	CONT.405		0				0
Battery Equipment	CONT.410		229,386				229,386
Secondary Containments	CONT.415		12,859				12,859
Overhead Power Distribution	CONT.420		10,288				10,288
Facility Electrical	CONT.425		48,224				48,224
Telecommunication Equipment	CONT.426		0				0
Meters and Metering Equipment	CONT.445		42,758				42,758
Facility Line Pipe	CONT.450		28,935				28,935
Lease Automation Materials	CONT.455						36,972
FL/GL - Materials	CONT.550		36,972				
			26,684				26,684
FL/GL - Line Pipe	CONT.555		80,052				80,052
SWD/Other - Materials	CONT.650		0				0
			2				0
SWD/Other - Line Pipe Total Tangible Cost	CONT.655		0			30,000	2,358,065

COTERRA

Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 304H

AFE # XXXXXXX

Company Entity				Date Prepared 8/17/2022
Exploration Region Permían Basin	Well Name Loosey Goosey 4-9 Fed Com 304H	Prospect New Mexico Bone Spring	Property Nur XXXXXX-XXX.0	
County, State Lea, NM	Location Section 4-9 T20S-R34E Lea, NM		Estimated Spud	Estimated Completion
X New Supplement Revision	Formation 3rd Sand	Well Type DEV	Ttl Measured Depth 20300	Ttl Vetical Depth 10800
Purpose Drill Description	and complete well			
1	he intended surface hold location for the well 00 FSL and 330 FEL of Section 9, T20S-R34E. T outherly direction within the formation to the	he well is proposed to be drilled vertic	cally to the 3rd Sand formati	on and laterally in a

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,475,500		\$2,475,500
Completion Costs		\$4,595,289	\$4,595,289
Total Intangible Cost	\$2,475,500	\$4,595,289	\$7,070,789
Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$393,000	\$1,125,000	\$1,518,000
Lease Equipment		\$840,065	\$840,065
Total Tangible Cost	\$393,000	\$1,965,065	\$2,358,065
Total Well Cost	\$2,868,500	\$6,560,354	\$9,428,854

Comments On Well Costs

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

	Control Britain Control	According to the River	and the second	ALL VIEW CONTRACTOR	
elect to	purchase my	/ own well	control	insurance	policy.

approximately 10800 feet.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.
I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

perator Approval			
Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

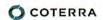
7/6/2022

^{1.} All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.



COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 304H

Description	BCP - Dri		ACP -	-	1	np/Stim	1	on Equip	Post Com		Total Cos
	Codes	Amount	Codes	Amount	Codes STIM.100	Amount		Amount 44,205	PCOM,100	Amount 3,000	70,20
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	3215	PCOM. 100	3,000	19,715
Damages Mud/Fluids Disposal	DIDC.105 DIDC.255	16,500 200,000			STIM.255	51,000		3213	PCOM.255	0	251,000
Day Rate	DIDC.233	468,000	DICC 120	96,000	1	31,000			, comize		564,000
Misc Preparation	DIDC.120	30,000	DICE IEU	50,000							30,000
Bits	DIDC.125	97,000	DICC 125	0	STIM.125	0			PCOM.125	0	97,000
Fuel	DIDC.135	119,000	DICC.130	0					PCOM.130	0	119,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC 135	0	STIM.135	20,000			PCOM.135	0	25,000
Mud & Additives	DIDC.145	300,000									300,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	87,354	87,354
Surface Rentals	DIDC.150	97,000	DICC.140	0	STIM.140	137,000	CON.140	6,912		60,000	300,912
Downhole Rentals	DIDC.155	131,000			STIM.145	35,000			PCOM.145	0	166,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor	0.00002	17.0					CON.150	45,010	PCOM 150	5,000	50,010
Mud Logging	DIDC.170	5,000					CONTICE	****			5,000 5,144
IPC & EXTERNAL PAINTING Cementing & Float Equipment	DIDC.185	70,000	DICC.155	140,000			CON.165	5,144			210,000
Tubular Inspections	DIDC.190	38,000	DICC.160	8,000		4,000			PCOM,160	0	50,000
Casing Crews	DIDC.195	15,000	DICC.165	13,000		4,000			r com. 100		28,000
Mechanical Labor	DIDC.200	20,000	DICC.170	3,000		0	CON.170	185,663	PCOM.170	5,000	213,663
Trucking/Transportation	DIDC.205	30,000	DICC 175	8,000		4,000		16,075	PCOM.175	0	58,075
Supervision	DIDC.210	81,000	DICC.180	13,000		47,000		11,574	PCOM.180	0	152,574
Trailer House/Camp/Catering	DIDC.280	36,000	DICC.255		STIM.280	31,000		1,100.5			72,000
Other Misc Expenses	DIDC.220	5,000	DICC 190	0		85,000		19,290	PCOM.190	0	109,290
Overhead	DIDC.225	5,000	DICC.195	5,000		0.000				1	10,000
MOB/DEMOB	DIDC.240	115,000		9 11							115,000
Directional Drilling Services	DIDC.245	307,000									307,000
Solids Control	DIDC.260	46,000									46,000
Well Control Equip (Snubbing Services)	DIDC.265	84,000	DICC.240	0	STIM.240	64,000			PCOM.240	0	148,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	0			PCOM.260	0	0
Completion Logging/Perforating/Wireline					STIM.200	257,000			PCOM.200	0	257,000
Composite Plugs					STIM.390	39,000			PCOM.390	0	39,000
Stimulation					STIM.210	2,245,000			PCOM.210	0	2,245,000
Stimulation Water/Water Transfer/Water					STIM.395	191,000					191,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	0	60,000
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	7,000					5011305				7,000
Major Construction Overhead FL/GL - ON PAD LABOR							CON.305 CON.495	0			0 33,114
FL/GL - Labor							CON.500	33,114			113,970
FL/GL - Supervision							CON.505	113,970 12,056			12,056
Survey							CON.515	6,590			6,590
SWD/Other - Labor							CON.600	0,390			0,550
SWD/Other - Supervision							CON.605	0			0
Aid In Construct/3rd Party Connect							CON.701	0			0
Contingency	DIDC.435	118,000	DICC.220	15,000	STIM.220	165,000		106,737	PCOM.220	0	404,737
Contingency						324.225	CON.221	30,381			30,381
Total Intangible Cost		2,475,500		306,000		3,459,000		639,935		190,354	7,070,789
Conductor Pipe	DWEB.130	0									0
Water String	DWEB.135	104,000									104,000
Surface Casing	DWEB.140	251,000									251,000
Intermediate Casing 1	DWEB.145	0									0
Production Casing or Liner			DWEA.100	792,000							792,000
Tubing	ALIAN TUT V				STIMT.105	139,000			PCOMT.105	0	139,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120		STIMT.120	38,000			PCOMT.120	10,000	104,000
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125	0	200,000	30.7079			E40.3-00		0
Packer, Nipples					STIMT.400	28,000		350000	PCOMT.400	0	28,000
SHORT ORDERS							CONT.380	11,253			11,253
PUMPS WALKOVERS							CONT.385	26,362			26,362
Downhole Lift Equipment					STIMT.410	00.000	CONT.390	6,430	DCOMT 415		6,430
Surface Equipment					31IM1.410	80,000			PCOMT.410 PCOMT.420	15,000	80,000
Well Automation Materials									PCOMT.420 PCOMT.455	15,000 5,000	15,000 5,000
N/C Lease Equipment							CONT.400	279,861	- COM1.433	3,000	279,861
Tanks, Tanks Steps, Stairs							CONT.400	279,861			2/3,001
Battery Equipment							CONT.410	229,386			229,386
Secondary Containments							CONT.415	12,859			12,859
Overhead Power Distribution							CONT.420	10,288			10,288
Facility Electrical							CONT.425	48,224	- 1		48,224
Telecommunication Equipment							CONT.426	0			0
Meters and Metering Equipment							CONT.445	42,758			42,758
Facility Line Pipe							CONT.450	28,935			28,935
Lease Automation Materials							CONT.455	36,972			36,972
FL/GL - Materials							CONT.550	26,684			26,684
FL/GL - Line Pipe							CONT.555	80,052			80,052
SWD/Other - Materials							CONT.650	0			0
SWD/Other - Line Pipe							CONT.655	0			0
Total Tangible Cost		393,000		810,000		285,000		840,065		30,000	2,358,065
Total Estimated Cost		2,868,500		1,116,000		3,744,000		1,480,000		220,354	9,428,854



Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 304H

Description	-		BCP - Drilling		ACP - Drilling		Comp	/Stim	
	Codes		Amount	Codes		Amount	Codes		Amour
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,00
Damages	DIDC.105		16,500				CT11 4 255		51.00
Mud/Fluids Disposal	DIDC.255		200,000	B.05 400			STIM.255		51,00
Day Rate		D(CC.120	72.2.2.5	DICC,120		96,000			
Misc Preparation	DIDC.120	0.00	30,000	D.CC 435	0701430		CTU 1 125		1
Bits		DICC.125		DICC.125 DICC.130	51IM.125	0	STIM.125		
Fuel		DICC.130	119,000		CT11.4.12C	0	STIM.135		20,000
Water for Drilling Rig (Not Frac		DICC.135	5,000	DICC.135	STIM.135	- 0	511M.135		20,000
Mud & Additives	DIDC.145		300,000					1	
SWD PIPED TO 3RD PARTY SWD	DIDCATO	DICC.140	97,000	DICC.140	C7(11.110	0	STIM.140	CON.140	137.000
Surface Rentals Downhole Rentals	DIDC.155	DICC. 140	131,000	DICC. 140	311M.140	U	STIM. 145	CON.140	35,000
Flowback Labor	DIDC.155		151,000				STIM.143	1	33,000
Automation Labor							311W.141	V	
Mud Logging	DIDC.170		5,000						
IPC & EXTERNAL PAINTING	DIDC.170		3,000						
Cementing & Float Equipment	DIDC 185	DICC.155	70,000	DICC.155		140,000			
Tubular Inspections		DICC.160	38,000		STIM.160	8,000	STIM.160		4,000
Casing Crews		DICC.165	15,000		STIM.165	The second of	STIM.165		4,000
Mechanical Labor		DICC.170	20,000			13,000	STIM.170	CON.170	
		Contract of the Contract of th			STIM.175	3,000		CON.175	4,000
Trucking/Transportation Supervision	Same of the same	DICC.175 DICC.180		DICC.175 DICC.180	STIM.175 STIM.180	8,000 13,000	STIM.175 STIM.180	CON.175	47,000
Trailer House/Camp/Catering		DICC.180		DICC.255		5,000	STIM.180	2014.100	31,000
Other Misc Expenses	100000000000000000000000000000000000000	DICC 190		DICC.233	STIM.190	5,000	STIM.190	CON.190	85,000
Overhead Overhead		DICC.195	5,000		3.1W1.130	5,000	31 IIVI. 190	2014.130	65,000
MOB/DEMOB	DIDC.240	DICC 193	115,000	DICC. 193		5,000			
Directional Drilling Services	DIDC.245		307,000						
Solids Control	DIDC.260		46,000						
Well Control Equip (Snubbing		DICC.240		DICC.240	STIM 240	0	STIM.240		64,000
Completion Rig	DIDC.203	DICC.240	64,000	DICC.240	311W.24U	0	STIM.115		21,000
Coil Tubing Services							STIM.260		21,000
Completion							STIM.200		257,000
Annual Control of the							STIM.390		39,000
Composite Plugs Stimulation			1						
Stimulation Water/Water			1 1				STIM.210		2,245,000
							STIM.395		191,000
Cimarex Owned Frac/Rental	DIDC.300		10,000				STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300								
Well Control Insurance Major Construction Overhead	DIDC.203		7,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
SWD/Other - Labor									
SWD/Other - Supervision									
Aid In Construct/3rd Party Connect									
Contingency	DIDC.435	DICC 220	119,000	DICC.220	STIM 220	15,000	STIM.220	CON 220	165,000
Contingency	DIDCASS	DICCEZO	110,000	DICC220	311M.220	15,000	311W.22U	CONZZU	165,000
Total Intangible Cos	-		2.475.500			200,000			3,459,000
Conductor Pipe	DWEB.130		2,475,500			306,000			3,459,000
Water String	DWEB.135								
	DWEB.133		104,000						
Surface Casing Intermediate Casing 1	DWEB.145		251,000						
	DWEB.145		0	DIALE 100		702.000			
Production Casing or Liner				DWEA.100		792,000	CT11 17 107		120,000
Tubing Wellhead, Tree, Chokes	DIMED 115	DWEA.120	30,000	DIA/EA 120	STIMT.120	*0.000	STIMT.105 STIMT.120		139,000
Liner Hanger, Isolation Packer		DWEA.120 DWEA.125		DWEA.120 DWEA.125	311M1.1ZU	18,000	311M1.120		38,000
Packer, Nipples	344EB.100	D1167.123	U	DWEA. 125		0	STIMT.400		20,000
SHORT ORDERS							311W11.400		28,000
PUMPS									
WALKOVERS									
Downhole Lift Equipment							CTIME 410		80,000
Surface Equipment							STIMT.410		80,000
Well Automation Materials									
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Materials									
SWD/Other Manadata									
SWD/Other - Materials						1			
SWD/Other - Materials SWD/Other - Line Pipe Total Tangible Cost			393,000			810,000			285,000



COTERRA Authorization For Expenditure - Loosey Goosey 4-9 Fed Com 304H

According CONT-10	Description		Production Equip		- 22111	Post Completion	A	Total
Disapper Disapper Display Di						and the same of th	77.7	
ModPMAD Disposed Proposed P		- 12 A.			PCOM.100	Repair any roads post D&C	3,000	70,2
Day State Day		CON.105		3215	Carrie			19,7
Mac Preparation Inst	Secretary and the second secon				PCOM.255		U	251,0
Section Sect								564,00
FAUT	The state of the s							30,00
Water for Didings of Mark Section Part							0 21	97,0
Made & Andrehines War Pettin D 130 PARTY SWID WELL Surface Rends Development of Seate Rends Developmen							1	119,00
SMD PRED TO JREP PARTY SWD WELL CON1.190					PCOM.135		0	25,00
Surkace Remarks CON-140 CON-14							100	300,00
Double Number Double Numbe								87,35
Rechast Libra Automation Libra Septiment Sep		CON.140		6,912		Iron. XEC Own 5K. No 10K. \$1,100 per day	100000000000000000000000000000000000000	300,9
Automation Labor Mail Cogning (P.C. B. LYSTANJA, PANTING) (P.C. B. LYSTANJA, PANTING, P								166,00
Mac Logging PCD 62 EXTERNAL PAINTING Cemerating & Float Equipment Libration (Page 12 Page 12 P	Flowback Labor			-	PCOM.141	3 Flowback Hands (60 days). 25%	100000000000000000000000000000000000000	30,00
Inc. & LETERIAL PANTING CON-165 S.146 P.COM.160 O	Automation Labor	CON.150		45,010	PCOM.150		5,000	50,01
Camering of Float Equipment Library Property Pr	Mud Logging							5,00
Tubblet Integration Configer(fires) Mechanical Labor Tracking/Transportation CON 170 Mechanical Labor Tracking/Transportation Mechanical Labor Tracking/Transportation Mechanical Labor Mechanical Labor Tracking/Transportation Mechanical Labor Tracking/Transportation Mechanical Labor Mechanical Labor Tracking/Transportation Mechanical Labor Tracking/Transportation Mechanical Labor Mechanical Lab	IPC & EXTERNAL PAINTING	CON,165		5,144				5,14
Casing Cross Mechanical Labor Tocking (Tamporation Co. 170 Tocking (Tampor	Cementing & Float Equipment	-						210,00
Metabanical labor	Tubular Inspections				PCOM.160		0	50,00
Mechanical Labor CON 170 185.69 PCOM 175 Siprevision CON 175 167.075 PCOM 175 PCO	Casing Crews							28,00
Tracking Transportation	The state of the s	CON.170		185 663	PCOM 170	RU Flowback Iron & Automation	5,000	213,66
Supervision COM 100		ALC: 02 02				The state of the s		58,07
Table Floored CampCotening Orcher Mic Expenses Orchhad M00,012M00 Directional Dirling Services Orcherlor Equip Simbleing Services) Completion Rigg Well Central Equip Simbleing Services of Completion Rigg Colf Tubing Services Completion Rigg Services Completed Rigg Ser	A CONTRACTOR OF THE CONTRACTOR						121	152,57
Other Mice Express CON 190 19,290 PCOM 190 1 MOR/DEADOR 1 CON 190 1 1 Directional Diffiling Services 5 dist Control 9 COM 240 0 1 Completion Rig Cold Tibling Services PCOM 115 0 0 0 0 Completion Rig Cold Tibling Services PCOM 200 0<				11,374	. CO.VI. 100			72,00
Overhead MARQ-DEMOS 1 1 1 1 1 1 1 1 1	The state of the s	CON 190		10.700	PCOM 100		0	109.29
MGR/GENDS		CO14.130		19,290	FCOM. 190		U	10,00
Directional Dilling Services								115,00
Solais Control (307,00
Med Control Equip Enrolbing Services Competition fig	and the second s							
Completion Rig								46,00
Col Tubing Services Competion togging/Perforating/Weeline Competion togging/Perforat								148,00
Compelier logging/Perforating/Wireline Composite Plugs	Landa Carlos and Carlo							21,00
Composite Plugs								
Stimulation	Completion Logging/Perforating/Wireline							257,00
Samulation Water/Water Transfer/Nater Cimares Conned Fraz/Rental Equipment Cimares Conned	Composite Plugs				PCOM.390			39,00
PCOM.305	Stimulation				PCOM.210		0	2,245,00
Legal/Regulatory/Curative CON 300 Well Control Insurance Well Control Insurance CON 305 0	Stimulation Water/Water Transfer/Water							191,00
Well Control Insurance Wall Control Insura	Cimarex Owned Frac/Rental Equipment				PCOM.305		0	60,00
Well Control Insurance	Legal/Regulatory/Curative	CON.300		0				10,00
Major Construction Overhead CON 305 CON 495 33.114	MANAGER AND							7,00
FL/GL - Labor	Major Construction Overhead	CON.305		0				
FL/GL - Labor								33,11
FL/GL - Supervision								113,97
Survey	Total Control of the	The state of the s						12,05
SWD/Other - Labor		Park in control of						6,59
SMD/Other - Supervision CON.605 CON.701		Control Control						0,55
Aid in Construct/3rd Party Connect CON.701 Contingency CON.202 (30.38) Contingency CON.20 (30.38) Total Intangible Cost Conductor Pipe Water String Surface Casing Intermediate Casing 1 Production Casing or Liner Tubing Production Casing or Liner Tubing Production Casing or Liner Panger, Isolation Packer Packer, Nipples CONT.385 (30.38) CONT.385 (26.382) Downhole Lift Equipment CONT.390 Downhole Lift Equipment CONT.415 NC Lease Equipment CONT.410 NC Lease Equipment CONT.410 NC Lease Equipment CONT.415 CONT.415 CONT.415 CONT.415 CONT.420 Replacing Chokes, Stuffing Boxes, and all Production Casing Production Casing Production Casing or Liner Production Cont.420 Replacing Chokes, Stuffing Boxes, and all								
Contingency		The state of the s						
Contingency		A STATE OF THE STA						404.73
Total Intangible Cost 639.935 190.354 7.00	100 mm m m m m m m m m m m m m m m m m m	100000000000000000000000000000000000000						
Conductor Pipe Water String Surface Casing Production Casing of Liner Tubing Production Casing of Liner Production Casing or Liner Production Casing or Liner Production Casing or Liner Production Packer P		CON.221		_				30,38
Nate String Surface Casing Surface				639,935			190,354	7,070,78
Surface Casing 1 Production Casing 1 Production Casing 1 Production Casing 1 Production Casing or Liner Production Casing C	AND COLUMN TO SERVICE STATE OF THE SERVICE STATE ST							
Intermediate Casing 1 Production Casing or Liner Tubing	And the second s							104,00
Production Casing or Liner Tubing	and the second s							251,00
Tubing PCOMT.105 PCOMT.107 Replace worn chokes and valves during FB 10,000 11	Control of the Contro							
Wellhead, Tree, Chokes PCOMT.120 Replace worn chokes and valves during FB 10,000 11 Liner Hanger, Isolation Packer Packer, Nipples 0								792,00
Liner Hanger, Isolation Packer Packer, Nipples PCOMT.400 O SHORT ORDERS CONT.380 11,253 PCOMT.400 O SHORT ORDERS CONT.385 26,362 PCOMT.400 O SHORT ORDERS CONT.390 O SHORT ORDERS CONT.390 O SHORT ORDERS CONT.390 O SURface Equipment PCOMT.420 PCOMT.420 PCOMT.420 PCOMT.420 PCOMT.420 PCOMT.420 PCOMT.435 O SHORT ORDERS PCOMT.435 PCOMT.43	Control Control of the control of th					American Company	Contraction of	139,00
Packer, Nipples					PCOMT.120	Replace worn chokes and valves during FB	10,000	104,00
SHORT ORDERS CONT.380 11,253								
PUMPS					PCOMT.400		0	28,00
WALKOVERS CONT.390 6,430 PCOMT.410 O PCOMT.410 PCOMT.420 PCOMT.455 PTs, and replacing meters 5,000 PTs, and replacing meters 5,000 PTs, and replacing meters 2,000 PTs, and replacing		CONT.380		11,253				11,25
WALKOVERS CONT.390 6,430 PCOMT.410 O PCOMT.410 PCOMT.420 PCOMT.455 PTs, and replacing meters 5,000 PTs, and replacing meters 5,000 PTs, and replacing meters 2,000 PTs, and replacing	PUMPS	CONT.385		26,362				26,36
Downhole Lift Equipment								6,43
PCOMT-420 PCOMT-420 PCOMT-420 PCOMT-420 PCOMT-420 PCOMT-420 PCOMT-420 PCOMT-455 PTs, and replacing meters 5,000 PTs,	Downhole Lift Equipment				PCOMT.410		0	80,00
Well Automation Materials PCOMT.455 PTs, and replacing meters 5,000 N/C Lease Equipment CONT.400 279,861 2 Tanks, Tanks Steps, Stairs CONT.405 0 2 Sattery Equipment CONT.410 229,386 4 2 Secondary Containments CONT.415 12,859 4						Replacing Chokes, Stuffing Boxes, and all	15,000	15,00
N/C Lease Equipment CONT.400 279,861 2 Tanks, Tanks Steps, Stairs CONT.405 0 3 Battery Equipment CONT.410 229,386 2 Secondary Containments CONT.415 12,859 3 Overhead Power Distribution CONT.420 10,288 4 Facility Electrical CONT.425 48,224 4 Telecommunication Equipment CONT.426 0 6 Meters and Metering Equipment CONT.455 42,758 42,758 6 Facility Line Pipe CONT.450 28,935 6 6 Lease Automation Materials CONT.455 36,972 7 7 FL/GL - Materials CONT.550 26,684 6 6 SWD/Other - Materials CONT.650 0 0 6 SWD/Other - Line Pipe CONT.655 0 0 6								5,00
Tanks, Tanks Steps, Stairs CONT.405 0 Battery Equipment CONT.410 229,386 2 Secondary Containments CONT.415 12,859 2 Overhead Power Distribution CONT.420 10,288 48,224 4 Facility Electrical CONT.425 48,224 4 4 4 4 6 6 6 4 4 7 6 6 6 4 7 8 6 6 4 7 8 6 6 4 7 8 6 6 4 7 8 9 8 9 8 9 8 9 9 8 9 9 8 9 9 8 9 9 9 9 8 9		CONT.400		279.861			1000	279,86
Battery Equipment CONT.410 229,386 2 Secondary Containments CONT.415 12,859 2 Overhead Power Distribution CONT.420 10,288 4 Facility Electrical CONT.425 48,224 4 Telecommunication Equipment CONT.426 0 0 Meters and Metering Equipment CONT.445 42,758 4 Facility Line Pipe CONT.450 28,935 4 Lease Automation Materials CONT.455 36,972 4 FL/GL - Materials CONT.555 26,684 4 FL/GL - Line Pipe CONT.555 80,052 5 SWD/Other - Materials CONT.650 0 0 SWD/Other - Line Pipe CONT.655 0 0								2,75,00
Secondary Containments CONT.415 12,859 Overhead Power Distribution CONT.420 10,288 Facility Electrical CONT.425 48,224 Telecommunication Equipment CONT.426 0 Meters and Metering Equipment CONT.445 42,758 Facility Line Pipe CONT.450 28,935 Lease Automation Materials CONT.455 36,972 FL/GL - Materials CONT.550 26,684 FL/GL - Line Pipe CONT.555 80,052 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0		40.000						229,38
Overhead Power Distribution CONT.420 10,288 Facility Electrical CONT.425 48,224 Telecommunication Equipment CONT.426 0 Meters and Metering Equipment CONT.445 42,758 Facility Line Pipe CONT.450 28,935 Lease Automation Materials CONT.455 36,972 FL/GL - Materials CONT.550 26,684 FL/GL - Line Pipe CONT.555 80,052 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0		Control of the Control						12,85
Facility Electrical CONT.425 48,224 Telecommunication Equipment CONT.426 0 Meters and Metering Equipment CONT.445 42,758 Facility Line Pipe CONT.450 28,935 Lease Automation Materials CONT.455 36,972 FL/GL - Materials CONT.550 26,684 FL/GL - Line Pipe CONT.555 80,052 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.650 0 SWD/Other - Line Pipe CONT.655 0	See Comments	The state of the s						10,28
Telecommunication Equipment CONT.426 0 Meters and Metering Equipment CONT.445 42,758 Facility Line Pipe CONT.450 28,935 Lease Automation Materials CONT.455 36,972 FL/GL - Materials CONT.550 26,684 FL/GL - Line Pipe CONT.555 80,052 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0		and the second s						
Meters and Metering Equipment CONT.445 42,758 Facility Line Pipe CONT.450 28,935 Lease Automation Materials CONT.455 36,972 FL/GL - Materials CONT.550 26,684 FL/GL - Line Pipe CONT.555 80,052 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0	The state of the s							48,22
Facility Line Pipe CONT.450 28,935 Lease Automation Materials CONT.455 36,972 FL/GL - Materials CONT.550 26,684 FL/GL - Line Pipe CONT.555 80,052 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0		Carrier Street, Street, St.						10.75
Lease Automation Materials CONT.455 36,972 FL/GL - Materials CONT.550 26,684 FL/GL - Line Pipe CONT.555 80,052 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0		190 march 190 ma				1		42,75
FL/GL - Materials CONT.550 26,684 FL/GL - Line Pipe CONT.555 80,052 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0		Company of Control of the Control						28,93
FL/GL - Line Pipe CONT.555 80,052 SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0		The state of the s						36,97
SWD/Other - Materials CONT.650 0 SWD/Other - Line Pipe CONT.655 0		and a service of the		26,684				26,68
SWD/Other - Line Pipe CONT.655 0	FL/GL - Line Pipe	CONT.555		80,052				80,05
	SWD/Other - Materials	CONT.650		0				
20/20/04/20/04	SWD/Other - Line Pipe	CONT.655		0				
Total Tangible Cost 840,065 30,000 2.3	Total Tangible Cost			840,065			30,000	2,358,06

Cimarex Energy Co. Permian Business Unit 6001 Deauville Blvd. Suite 300N Midland, Texas 79706 MAIN 432.571.7800



June 15, 2023

Apache Corporation 200 Post Oak Blvd., Ste. 100 Houston, TX 77056

Re: Supplement to Proposal to Drill

Loosey Goosey 4-9 Fed Com 301H, 302H, 303H, and 304H Wells Sections 4 & 9, Township 20 South, Range 34 East Lea County, NM

Dear Working Interest Owner:

Cimarex Energy Co. ("Cimarex") is providing this Supplement to the Proposal to Drill for the above referenced wells ("Supplement") to be incorporated into the original Proposal to Drill that was sent on August 25, 2022 in order to clarify the extent and scope of projected production from the Wells given their respective depths and locations described in the original proposal.

The Loosey Goosey 4-9 Fed Com 301H, 302H, 303H and 304H Wells ("Wells") were originally proposed for production from the Bone Spring formation. However, our geologists and engineers have thoroughly evaluated the Bone Spring formation in relation to the Wolfcamp formation in the above-referenced lands ("Subject Lands") and have determined that due to the extensive communication between the Bone Spring and the Wolfcamp, the Wells, as proposed, will produce the primary concentrations of hydrocarbons in the Wolfcamp, those being in the Upper Wolfcamp, and Cimarex believes they will do so more optimally given their current location within the 3rd Bone Spring than if additional and unnecessary wells were drilled into the Wolfcamp itself. Cimarex has determined that drilling new wells into the Wolfcamp would be an improper use of resources, and result in significant financial waste in developing in the most prudent manner the hydrocarbons contained within both formations underlying the Subject Lands, as is confirmed by the recent historical development of wells in the area surrounding the Subject Lands.

All specifications of the Wells, including location and depth, as described in the original Proposal to Drill remain the same, and this Supplement is provided to confirm that the target formations, based on the originally proposed specifications, include both the Bone Spring and Wolfcamp.

Please call the undersigned with any questions or comments.

Respectfully,

John Coffman

John Coffman 432.571.7833 John.Coffman@Coterra.com

Chronology of Contacts with Non-Joined Working Interest Owners

Sent all Working Interest Owners Well Proposals with a copy of the proposed Operating Agreement. Followed up with emails and phone calls.

Read and Stevens-

10/2021 – Reached out to Harrison Read, Vice President of Land and Business Development for Read and Stevens to have an in-person meeting over the development of the area.

1/24/22 – Reached out to Harrison with no response.

2/18/22-3/31/22 – Received response from Harrison with a few dates, none of which were viable and attempted to reschedule. Meeting never took place.

8/25/22- Elections were sent to Read and Stevens for both developments.

<u>Permian Resources</u>- We were notified Permian Resources had acquired Read and Stevens Inc. and were open to talks.

March 1-7, 2023 – Met with Travis Macha and Skyler Fast from Permian Resources to exchange information on potential trade tracts.

March 15, 2023 – Sent email about separate contested hearing to "trade out of each others way". PR was still evaluating the trade.

April 27, 2023- Sent a follow up Email to Travis Macha, Skyler Fast, Mark Hajdik on trade tracts.

April 28, 2023- Emails exchanged to have a follow up in-person meeting of the minds.

May 18, 2023- Meeting with Bob Heller, Travis Macha and Patrick Godwin from Permian Resources and Dylan Park from Coterra to discuss other potential trade tracts.

May 25, 2023- Call with Travis Macha to discuss next steps on potential trade.

June 1 2023- Emails/discussions with Travis Macha on a potential 3 company trade.

June 6, 2023- Follow up to 3 company trade.

June 20, 2023- Followed up on 3 company trade, decision made to move forward with hearing

HOG Partnership

9/7/22 – Email Discussion about proposals received

9/8/22 – Email discussion about proposals received

Challenger Crude (Henry Resources)

9/27/22 – Discussed election timing and general development plan after receipt of proposals with Kymberly Holman



- 3/23/23 Discussed ownership figures for both developments
- 4/3/23 Confirmed that we received executed Operating Agreements from Challenger and elections back
- 6/16/23- Discussed supplemental Wolfcamp notice that was sent
- 7/10/23 Phone call with Kymberly to update her on hearing moving forward.

Randall Hudson, Edward Hudson, Javelina Partners, Zorro Partners, William Hudson II (Hudson Group)

- 2/9/22 Email discussion to communicate plans to develop both developments in which the Hudson group owns
- 6/2/22 Updated the Hudson Group of our AFE's and full development of the leasehold
- 8/25/22 Let the groups know that proposals were heading their way
- 10/26/22 Confirmed each entities interest via email to confirm with what ownership they were showing
- 2/7/23 Discussed with Randall and Edward about potential trades that may come of the Permian Resources acquisition and next steps for pooling
- 3/7/23 Provided Randall and Edward with timing of development in order for them to secure a term assignment from Lindy's Living Trust
- 3/22/23 Sent OA's for their files and confirmed they were executed
- 6/26/23 Met with Randall and Edward with Lea Team to discuss fine details of plans and landing zones etc.

Frost Bank, Trustee of the Josephine T. Hudson Testamentary Trust FBO J. Terrell Ard

- 2/10/23- Spoke to Brad Ince about a potential Term Assignment and terms for the trust
- 2/14/23- Sent an email to Brad Ince at Frost bank to confirm best time to negotiate and hash out terms of the contract
- 4/17/23 Sent an email with the Term assignment form for redline and review
- 5/18/23 Email exchange to discuss best time for a call
- 5/20/23 Call with Brad to confirm details of the Term assignment
- 6/9/23 Sent changes to form along with Net acre figures to calculate bonus payment
- 6/27/23 Forwarded Staci's information for geologic questions concerning the development

7/10-12/23- Provided Debbie Dorsett with AFE's and other information to get the Term assignment routed.

Ard Oil LTD.

- 10/19/22-Received email from Reid Marley to discuss Loosey Goosey and Mighty Pheasant proposals and discussed with development plan and path Coterra would be making forward
- 2/27/23- Phone call with Reid to discuss term assignment offer and provided Operating agreements via email
- 7/10/23 Discussed development timing with Reid
- 7/11/23 Reid emailed that he would like to not be considered committed

Chase Oil Corporation

- 9/12/22 Received email from Morgan Buckles confirming receipt of the proposals.
- 9/12/22 Phone call with Morgan Buckles to discuss proposals and plan of development
- 6/7/23 Received email from Morgan Buckles stating that they would like to sign AFE's and move forward with the operator the OCD decides post hearing.

Wilbanks Reserve Corporation/Marks Oil

- 9/1/22 Phone call with Hannah Frederick confirming receipt of the proposals and request to confirm interest in the contract area
- 9/6/22- Received email from Hannah Frederick following up on working interest figures and sent ownership at the time
- 9/27/22 Email correspondence to set up a phone call to discuss moving forward with title run
- 11/3/22 Discussion of timing for force pooling filing and next steps
- 1/30/23 Discussed Permian Resources development and proposals in the area
- 2/22/23 Reached out to determine if Wilbanks Reserve had signed OA's. Hannah mentioned she would bring this up to upper management and get a decision since there was traction on development
- 7/10/23 Confirmed DOTO figures with Hannah
- 7/11/23 Wilbanks Reserve would like to wait until the Commission has made a decision on operator

Union Hill Oil and Gas

- 3/1/23- Spoke with Robert Buchholz about proposals he received
- 3/1/23 Sent Robert the corresponding Operating agreements for both developments and provided ownership

Highland Texas Energy Company and Richardson Oil Company

10/11/22- Received elections back from Gary Richardson for the development

3/9/23 – Followed up with Gary to confirm they would like to participate under the OA

3/21/23 – Discussed force pooling matters via email

P.O. Box 3070 Galveston, Texas 77552

July 10, 2023

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Re: Application of Cimarex Energy Co. for Horizontal Spacing Unit and Compulsory Pooling in Case Nos. 23448 23449 23450 23451 23452 23453 23454 23455 23594 23595 23596 23597 23598 23599 23600 23601

To Whom it May Concern:

Moore & Shelton Co. LLP of Galveston, Texas is a working interest owner in Eddy and Lea Counties and has interests in all of sections 4, 5, 8 & 9 of T20S-R34E, Lea County. Moore & Shelton owns interests in over 40 wells in Eddy and Lea Counties.

We have been extremely pleased with Cimarex representing our interests and believe Cimarex has the most and best experience to efficiently develop these properties.

Moore & Shelton Co. LLP therefore supports Cimarex' application and requests that the Division rule in their favor.

Sincerely,
Paul C. More

Paul Moore

Moore & Shelton Co. LLP

General Partner

JAVELINA PARTNERS & ZORRO PARTNERS LTD

616 TEXAS STREET FORT WORTH, TX 76102 (817) 336-7109

July 7, 2023

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Re: Applications of Cimarex Energy Co. for Horizontal Spacing Unit and
Compulsory Pooling
Case Nos.
23448 23449 23450 23451 23452 23453 23454 23455 23594 23595 23596 23597
23598 23599 23600 23601

Ladies and Gentlemen,

Javelina Partners and Zorro Partners LTD are working interest owners in the referenced Applications and Case Nos, which collectively cover all of sections 4, 5, 8 & 9 of T20S – R34E, Lea County ('the Acreage').

There are competing Applications for the Bone Spring and Wolfcamp formations in the referenced Applications and Case Nos.

Javelina Partners and Zorro Partners LTD own interests in approximately 105,000 gross leasehold acres in Eddy & Lea Counties. Over the last 3.5 years, Javelina Partners and Zorro Partners LTD have participated in the drilling of over 130 horizontal Bone Spring and Wolfcamp wells, with seven different operators, in Eddy & Lea Counties.

Cimarex Energy Co. is the Operator of a JOA which covers 75% of the Acreage, and includes the Bone Spring and Wolfcamp formations.

JAVELINA PARTNERS & ZORRO PARTNERS LTD

616 TEXAS STREET FORT WORTH, TX 76102 (817) 336-7109

It is our opinion that Cimarex Energy Co. has accurately analyzed the nature of the geology between the 3rd Bone Spring and Upper Wolfcamp and offers a superior plan that develops the total reservoir tank, which includes both the 3rd Bone Spring Sand and the Upper Wolfcamp Sands without having to drill additional costly and unnecessary wells, thus, representing the best use of both drilling capital and surface acres in comparison with competing applications.

Javelina Partners and Zorro Partners LTD therefore support Cimarex Energy Co.'s Applications covering the referenced Horizontal Spacing Units and Case Nos in both the Bone Spring and Wolfcamp formations, and respectfully request that the Division rule accordingly.

Sincerely,

Edward Randall Hudson IV

Javelina Partners

Land Manager

William A. Hudson II Zorro Partners LTD Managing Partner

Re: Applications of Cimarex Energy Co. for Horizontal Spacing Unit and Compulsory Pooling

Case Nos.

23448 23449 23450 23451 23452 23453 23454 23455 23594 23595 23596 23597 23598 23599 23600 23601

Total Permian Development Cost Received by OCD: 8/2/2023 8:27:04	Net Cost Per WIO	Total Coterra Development Cost	Net Cost Per WIO	Difference between Developments Page 280 of 448 8,212,994.57
Deimar Hudson Trust	\$ 18,089,832.78	Delmar Hudson Trust	\$ 9,876,838.20	\$ 8,212,994.57
Lindys Living Trust	\$ 29,308,032.49	Lindys Living Trust	\$ 15,737,845.12	\$ 13,570,187.37
Javelina Partners	\$ 41,670,448.93	Javelina Partners	\$ 22,324,341.03	\$ 19,346,107.90
Zorro Partners	\$ 28,105,608.88	Zorro Partners	\$ 14,763,299.18	\$ 13,342,309.71
Josephine Hudson Trust	\$ 5,421,906.00	Josephine Hudson Trust	\$ 2,890,835.22	\$ 2,531,070.78
Ard Oil	\$ 14,654,016.11	Ard Oil	\$ 7,868,922.49	\$ 6,785,093.62
Moore and Shelton	\$ 12,917,179.04	Moore and Shelton	\$ 6,876,219.27	\$ 6,040,959.77
HOG Partnership LP	\$ 30,874,175.16	HOG Partnership LP	\$ 15,655,402.13	\$ 15,218,773.03
Read and Stevens	\$ 130,419,826.77	Read and Stevens	\$ 67,260,556.01	\$ 63,159,270.76
First Century Oil	\$ 29,866,998.32	First Century Oil	\$ 15,056,029.91	\$ 14,810,968.42
Foran Oil Co.	\$ 10,316,095.71	Foran Oil Co.	\$ 5,681,103.05	\$ 4,634,992.65
Chase Oil Co.	\$ 7,038,561.43	Chase Oil Co.	\$ 3,876,155.67	\$ 3,162,405.76
Union Hill	\$ 3,374,058.47	Union Hill	\$ 1,682,281.67	\$ 1,691,776.80
Magnum Hunter	\$ 99,757,303.82	Magnum Hunter	\$ 55,226,946.45	\$ 44,530,357.37
Cimarex	\$ 32,268,923.15	Cimarex	\$ 16,714,493.11	\$ 15,554,430.04
William A Hudson II	\$ 1,040,859.62	William A Hudson II	\$ 695,639.44	\$ 345,220.19
Challenger Crude	\$ 10,822,899.53	Challenger Crude	\$ 5,621,612.32	\$ 5,201,287.21
MRC Permian	\$ 4,107,154.83	MRC Permian	\$ 1,514,460.94	\$ 2,592,693.89
Northern Oil and Gas	\$ 2,835,005.00	Northern Oil and Gas	\$ 1,045,418.83	\$ 1,789,586.17
CBR Oil Prop	\$ 1,521,121.47	CBR Oil Prop	\$ 560,899.00	\$ 960,222.47
CLM Production Co.	\$ 59,381.89	CLM Production Co.	\$ -	\$ 59,381.89
Highland (Texas) Energy	\$ 893,406.32	Highland (Texas) Energy	\$ 504,660.85	\$ 388,745.48
Diamond Star Prod.	\$ 337,390.03	Diamond Star Prod.	\$ 168,220.28	\$ 169,169.75
Carolyn Beall	\$ 337,390.03	Carolyn Beall	\$ 168,220.28	\$ 169,169.75
Tierra Encantada	\$ 337,390.03	Tierra Encantada	\$ 168,220.28	\$ 169,169.75
David Luna	\$ 337,390.03	David Luna	\$ 168,220.28	\$ 169,169.75
Warren Associates	\$ 59,381.89	Warren Associates	\$ -	\$ 59,381.89
Marks Oil	\$ 2,561,792.75	Marks Oil	\$ 1,099,625.19	\$ 1,462,167.56
Prime Rock	\$ 5,212,791.56	Prime Rock	\$ 3,154,214.30	\$ 2,058,577.27
Wilbanks Reserve	\$ 13,609,171.58	Wilbanks Reserve	\$ 5,841,723.33	\$ EXHIBIT 7,767,448.26
Avalon Energy Corp.	\$ 1,737,833.25	Avalon Energy Corp.	\$ 1,051,547.61	\$ A-6 686,285.64
Released to Imaging: 8/3/2023 10:10	\$ 539.893,326.89		\$ 283,253,951.43	
necesses to imaging. 0/3/2023 10.10	.017171			Total Cost Delta Between Developments

	In Favor of CTRA	In Favor of R&S							
	mrucor of criss	mr aror of nas	Mighty Pheasant - Wolf	camp Tract by Tract					
			<u> </u>	. ,			Section 8: E2W2, NWNW,		
	Section 5: Lot 3 & SENW		Section 5: Lot 4 & SWNW			Section 8: E2		Section 8: SWNW	
MRC Permian	17.997%	17.9970%	0.0000%	0.0000%	0.0000%		0.0000%	0.0000%	
HOG Partnership LP	12.500%	12.5000%	0.0000%	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%	
Northern Oil and Gas	12.422%	12.4220%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%		PR Support
Javelina Partners	7.915%	14.2690%	0.0000%	6.3540%	6.3540%	6.3540%	6.3540%		CTRA Support
Zorro Partners	22.212%	14.2690%	0.0000%	2.5420%	2.5420%	2.5420%	2.5420%		CTRA Support
Delmar Hudson Trust	3.232%	3.2320%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%		CTRA Support
First Century Oil	6.666%	6.6660%	0.0000%	7.4430%	7.4430%	7.4430%	5.6620%		PR Owned
Read and Stevens	10.391%	10.3910%	86.0000%	28.4520%	28.4520%	28.4520%	25.2330%		PR Owned
CBR Oil Prop	6.666%	6.6660%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%		PR Support
Ard Oil	0.000%	0.0000%	0.0000%	1.9060%	1.9060%	1.9060%	1.9060%		PR Support
Josephine Hudson Trust	0.000%	1.5890%	0.0000%	0.6350%	0.6350%	0.6350%	0.6350%		CTRA Support
Magnum Hunter	0.000%	0.0000%	0.0000%	17.5000%	17.5000%	17.5000%	17.5000%		CTRA Owned
CLM Production Co.	0.000%	0.0000%	2.0000%	0.0000%	0.0000%	0.0000%	0.0000%		PR Support
Highland (Texas) Energy	0.000%	0.0000%	2.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	CTRA Owned
Diamond Star Production	0.000%	0.0000%	2.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	PR Support
Carolyn Beall	0.000%	0.0000%	2.0000%	0.0000%	0.0000%	0.0000%	0.0000%		PR Support
Tierra Encantada	0.000%	0.0000%	2.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	PR Support
David Luna	0.000%	0.0000%	2.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral
Warren Associates	0.000%	0.0000%	2.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral
Cimarex Energy	0.000%	0.0000%	0.0000%	20.8950%	20.8950%	0.0000%	0.0000%	0.0000%	CTRA Owned
Moore and Shelton	0.000%	0.0000%	0.0000%	2.2500%	2.2500%	2.2500%	2.2500%	2.2500%	CTRA Support
Lindy's Living Trust	0.000%	0.0000%	0.0000%	3.8130%	3.8130%	3.8130%	3.8130%	3.8130%	CTRA Support
Challenger Crude	0.000%	0.0000%	0.0000%	3.2100%	3.2100%	3.2100%	3.2100%	3.2100%	CTRA Support
Avalon Energy Corp	0.000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	PR Owned
Marks Oil	0.000%	0.0000%	0.0000%	0.0000%	0.0000%	3.1340%	3.1340%	3.1340%	Neutral
Prime Rock	0.000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral
Wilbanks Reserve	0.000%	0.0000%	0.0000%	0.0000%	0.0000%	17.7610%	17.7610%	0.0000%	Neutral
Union Hill	0.000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	5.0000%	5.0000%	CTRA Support
% for CTRA	33.36%	33.36%	2.00%	57.20%	54.95%	36.30%	41.30%	41.30%	
% for PR	29.48%	29.48%	94.00%	37.80%	37.80%	37.80%	32.80%	50.56%	

	In Favor of CTRA	In Favor of R&S					
			Loosey Goosey - Wolfo	amp Tract by Tract			
		Section 4: N2S2,					
Wolfcamp Owner	Section 4: N2	S2SW, SWSE	Section 4: SESE	Section 9: W2	Section 9: SE4	Section 9: NE	
Delmar Hudson Trust	20.469%	3.8125%	3.8125%	0.0000%	0.0000%	0.0000%	CTRA Support
Lindy's Living Trust	20.469%	3.8125%	3.8125%	3.8125%	3.8125%	3.8125%	CTRA Support
Javelina Partners	13.646%	2.5417%	2.5417%	6.3542%	6.3542%	6.3542%	CTRA Support
Zorro Partners	13.646%	2.5417%	2.5417%	2.5417%	2.5417%	2.5417%	CTRA Support
Josephine Hudson Trust	3.412%	0.6354%	0.6354%	0.6354%	0.6354%	0.6354%	CTRA Support
Ard Oil	10.234%	1.9063%	1.9063%	1.9063%	1.9063%	1.9063%	PR Support
Moore and Shelton	5.625%	2.2500%	2.2500%	2.2500%	2.2500%	2.2500%	CTRA Support
HOG Partnership LP	12.500%	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%	Neutral
Read and Stevens	0.000%	35.1783%	35.1783%	28.4522%	35.1188%	33.7104%	PR Owned
First Century Oil	0.000%	11.1642%	11.1642%	7.4428%	11.1313%	10.3521%	PR Owned
Foran Oil Company	0.000%	17.5000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral
Chase Oil Co.	0.000%	10.4475%	10.4475%	0.0000%	0.0000%	0.0000%	Neutral
Union Hill	0.000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	CTRA Support
Magnum Hunter	0.000%	0.0000%	17.5000%	17.5000%	17.5000%	17.5000%	CTRA Owned
Cimarex Energy	0.000%	0.0000%	0.0000%	20.8950%	13.7500%	15.9375%	CTRA Owned
William A Hudson II	0.000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	CTRA Support
Challenger Crude	0.000%	3.2101%	3.2101%	3.2101%	0.0000%	0.0000%	CTRA Support
% for CTRA	77.27%	18.80%	36.30%	57.20%	46.84%	49.03%	
% for PR	10.23%	48.25%	48.25%	37.80%	48.16%	45.97%	



TAB 3

Case Nos. 23594-23601

Exhibit B:	Self-Affirmed Statement of Staci Mueller, Geologist
Exhibit B-1:	Locator Map & Stress Direction
Exhibit B-2:	Permit Status
Exhibit B-3:	Gun Barrel View
Exhibit B-4:	Development Plan Comparison
Exhibit B-5:	Subsea Structure Map
Exhibit B-6:	3 rd bone Spring Isopach Map
Exhibit B-7:	Structural Cross Section
Exhibit B-8:	3 rd Bone Spring Producers vs. all Wolfcamp Producers
Exhibit B-9:	All 3 rd Bone Spring and Wolfcamp Producers
Exhibit B-10:	Comparing 3 rd Sand to Wolfcamp Reservoir (SoPhiH)
	2 nd Bone Spring Structure Map
	2 nd Bone Spring Sand Isopach
Exhibit B-13:	2 nd Bone Spring Sand Cross Section
	2 nd Bone Spring Sand vs. 3 rd Bone Spring Carbonate Producers
Exhibit B-15:	PhilH L 2 nd Sand vs. 3 rd Carbonate
Exhibit B-16:	1 st Bone Spring Sand Structure
Exhibit B-17:	1 st Bone Spring Sand Isopach
Exhibit B-18:	1 st Bone Spring Structural Cross Section
Exhibit B-19:	Wolfcamp Structure Map (Subsea TVD)
	Wolfcamp XY Isopach
	Wolfcamp XY West to East Cross Section
Exhibit B-22:	3D Seismic Outline
	Cross Section Across 3 rd Bone Spring Sand
Exhibit B-24:	Net-to-Gross Density Porosity (DPHI) <4% Within the 3rd Bone
	Spring Sand and Upper Wolfcamp Sands

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

APPLICATIONS OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23448 – 23451 (Mighty Pheasant; Bone Spring)

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23594 – 23597 (Mighty Pheasant; Wolfcamp)

APPLICATIONS OF CIMAREX ENERGY CO.
FOR A HORIZONTAL SPACING UNIT AND
COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23452 – 23455 (Loosey Goosey; Bone Spring)

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23598 – 23601 (Loosey Goosey; Wolfcamp)

SELF-AFFIRMED STATEMENT OF STACI MUELLER

- I, being duly sworn on oath, state the following:
- 1. I am over the age of 18, and I have personal knowledge of the matters stated herein.
- 2. I am employed as a petroleum geologist for Coterra Energy, Inc. ("Coterra") The Applicant, Cimarex Energy Co. ("Cimarex"), is a subsidiary of Coterra. I am familiar with the subject application and the geology involved.



- 3. This testimony is submitted in connection with the filing by Cimarex in the above-referenced compulsory pooling application pursuant to 19.15.4.12.A(1) NMAC.
 - 4. I have testified previously by affidavit before the Oil Conservation Division ("Division") as an expert petroleum geologist; my credentials have been made a matter of record, and I have been qualified as an expert by the Division.
 - a. I have a Bachelor of Science Degree in Geophysical Engineering from Colorado School of Mines, and a Master of Science Degree in Geophysics from Colorado School of Mines.
 - b. I have worked on New Mexico Oil and Gas matters since July 2018.
- 5. Cimarex is an established operator in the Quail Ridge area, with 35 horizontal wells drilled within the basal 3rd Bone Spring Sand starting in 2010 through 2022. In most of the 3rd Sand developments, Triple Combo logs were taken to further the reservoir characterization of both the Bone Spring and Wolfcamp formations. From these extensive mapping efforts along with offset production analyses, Cimarex has verified that the 3rd Sand is the most economic target at the Mighty Pheasant and Loosey Goosey proposed development.
- 6. **Exhibit B-1** shows a map made by Jens-Erik Lund Snee and Mark D. Zoback from Stanford University, which depicts the maximum horizontal stress direction throughout the Delaware and Midland Basins. The map on the right is a zoomed in portion of the regional map (red outline), where the blue lines represent the digitized version of the same stress directions. Based on the regional trend observed by Lund Snee and Zoback, the estimated stress direction at Mighty Pheasant and Loosey Goosey is approximately N70E, which means the favorable well orientation is north-south instead of east-west. Both Cimarex and Permian Resources plan to drill in the north-south orientation.

- 7. **Exhibit B-2** is a table summarizing the permit status for the Mighty Pheasant and Loosey Goosey developments. Highlighted in yellow are the wells that Cimarex has submitted to the BLM, and each well has "AFMSS-Accepted" noted to show that these wells are high enough on Cimarex's priority list for the BLM to be currently working on them. Ten permits were submitted between February and March 2022 for a 3rd Bone Spring Sand development (tier 1 target in area) plus a 1st Sand or 2nd Sand well to de-risk the sections in more highly channelized reservoirs.
- 8. **Exhibit B-3** is a gun barrel view of Cimarex's development plan across both Mighty Pheasant (Sections 5 & 8) and Loosey Goosey (Sections 4 & 9). Cimarex plans to develop the 1st, 2nd, and 3rd Bone Spring Sands at 4 wells per section spacing. The 1st Sand target is the high porosity, clean sand in the upper half of the interval. The 2nd Sand target is the basal siltstone/sandstone interval, and the 3rd Sand target is the basal clean sand lobe, which is also the established target across several townships.
- 9. **Exhibit B-4** is a gun barrel view of Cimarex's plan (left side) versus Permian Resources (right side). Permian Resources plans to include 3 additional landing zones in their full section development: the Upper 2nd Bone Spring Sand, the 3rd Carbonate, and the Wolfcamp XY Sands. This is a risky development scenario, because the 3rd Sand & Wolfcamop XY vertical spacing is about 95 ft, which is not considered a true stagger and subsequently treated as a flat development. Therefore, Permian Resource plans to develop the 3rd Sand & Wolfcamp XY combined reservoir tank at 8 wells per section, which is over-spaced for this area, where almost every operator has developed the 3rd Sand with 4 wells per section. Permian Resources' 3rd Carbonate target is approximately 135 ft vertical distance from their proposed Lower 2nd Sand target, which is also very tight vertical spacing when there is no frac baffle in between (no tight carbonates). The Lower 2nd Sand is the established target across several townships, while there has only been one well

landed in the 3rd Carbonate (with no 2nd Sand above). The Upper 2nd Sand is a target that Cimarex has investigated and determined to be too risky to drill before collecting data.

- 10. **Exhibit B-5** is a structure map (Subsea TVD) of the top of the Wolfcamp, which is about 50 ft below the 3rd Bone Spring Sand Target, as noted by the type log located at the blue star. The contour interval is 100 ft, well control points are displayed, and structure is dipping to the south. From the first take point to the last take point of the Mighty Pheasant and Loosey Goosey wells (located within black and red box), there is approximately 100 ft of relief.
- 11. **Exhibit B-6** is an isopach map of the 3rd Bone Spring Sand, as noted by the type log located at the blue star. The contour interval is 20 ft, well control points are displayed, and the 3rd Sand is consistently between 260-280 ft at the Mighty Pheasant and Loosey Goosey development (located within black and red box).
- 12. **Exhibit B-7** is a structural cross section from west to east on the northern end of the Mighty Pheasant and Loosey Goosey sections. Gamma Ray is displayed in the first log track, on a scale from 0 to 150 API, shaded to the right with blue representing low Gamma Ray, brown representing high Gamma Ray, and yellow in between. The second track is deep resistivity (RDEEP), on a scale from 2 to 2000 Ohms, with RDEEP less than 20 Ohms shaded solid red to represent the Bone Spring Sand reservoirs. The third track is the photoelectric log (PEF) which is shaded blue and purple for higher values and yellow for lower values. The fourth track is neutron and density porosity (NPHI and DPHI). NPHI is shown in red, while DPHI is blue, and when DPHI crosses to the left of NPHI, the space in between the two curves is shaded yellow. Otherwise, it is shaded grey. The basal 3rd Sand target is often characterized by the yellow crossover shading in the NPHI and DPHI track, Gamma Ray around 50-70 API, and RDEEP below 20 Ohms. Cimarex's target is the standard basal 3rd Bone Spring Sand target across the area (a few townships), which is shown

as a green stick in all three logs. Frac baffles are shown in red and white striped boxes within the depth track, and there are only a couple frac baffles present within the 3rd Bone Spring Carbonate. These baffles are characterized by low Gamma Ray <50 API, indicating carbonate, along with high resistivity, and low neutron and density porosities (0-4%). There are no indications of any major geomechanical changes/frac baffles in between Cimarex's 3rd Sand target and Permian Resources' Wolfcamp Sands target, indicating that these two intervals are most likely one shared reservoir tank.

- 13. **Exhibit B-8** is showing a map with all the producing 3rd Bone Spring Sand wells across almost three townships (left), versus all of the Wolfcamp producers across the area (right). This Exhibit highlights the fact that the 3rd Sand is the established target in the area surrounding the Mighty Pheasant and Loosey Goosey sections (black and red box), while there have only been two Wolfcamp developments plus some parent well tests. Cimarex is also an established operator in this area, with 36 wells drilled including a Wolfcamp test.
- 14. **Exhibit B-9** shows all of the 3rd Bone Spring Sand producing wells with blue diamonds, and all of the Wolfcamp Sands producing wells with orange diamonds. Mighty Pheasant and Loosey Goosey are located within the black and red box which lies among almost all 3rd Sand wells. There are a couple of Wolfcamp development tests two miles to the south, but the majority of Wolfcamp and 3rd Sand co-development occurs 3 townships to the south, where the total 3rd Sand and Wolfcamp Sands reservoir tank is much thicker and deeper into the basin.
- 15. **Exhibit B-10** shows the PhiH (porosity*height) of the 3rd Bone Spring Sand (left) versus the Wolfcamp X and Y Sands (right) as shown by the type log located at the blue star. PhiH is one of the most common reservoir maps to identify ideal target areas within the Bone Spring Sands because it represents total pore space, and more pore space means more room for hydrocarbon

storage. Both maps have the same color scale, with a contour interval of 2 pore-ft. The Mighty Pheasant and Loosey Goosey sections are shown in the black and red box, and the well control points are displayed, along with the values of the closest control points to the subject development. Higher PhiH values are indicated in yellow and red, while lower values are shown in blue. The average PhiH within the 3rd Sand, based on the closest control points, is 26.75 pore-ft. While the average PhiH within the Wolfcamp X and Y Sands is 10 pore-ft, which means that the 3rd Sand is at least 72.8% of the total reservoir, while the Wolfcamp Sands are 27.2% of the total reservoir. However, because there are no frac baffles separating the 3rd Sand and Wolfcamp Sands, and because the two Permian Resource targets would have about 95 ft of vertical separation, their Wolfcamp wells would drain a significant portion of the 3rd Sand reservoir that the four 3rd Sand wells would already be targeting.

- 16. **Exhibit B-11** is a structure map (Subsea TVD) of the top of the 3rd Bone Spring Carbonate, which is about 40 ft below the 2nd Bone Spring Sand Target, as noted by the type log located at the blue star. The contour interval is 100 ft, well control points are displayed, and structure is dipping to the south. From the first take point to the last take point of the Mighty Pheasant and Loosey Goosey wells (located within black and red box), there is approximately 200 ft of relief on the eastern edge of the proposed development, and about 100 ft of relief on the western edge.
- 17. **Exhibit B-12** is an isopach map of the 2nd Bone Spring Sand, as noted by the type log located at the blue star. The contour interval is 20 ft, well control points are displayed, and the 2nd Sand is consistently between 420-440 ft at the Mighty Pheasant and Loosey Goosey development (located within black and red box).
- 18. **Exhibit B-13** is a structural cross section from west to east on the northern end of the Mighty Pheasant and Loosey Goosey sections. Gamma Ray is displayed in the first log track, on

a scale from 0 to 150 API, shaded to the right with blue representing low Gamma Ray, brown representing high Gamma Ray, and yellow in between. The second track is deep resistivity (RDEEP), on a scale from 2 to 2000 Ohms, with RDEEP less than 20 Ohms shaded solid red to represent the Bone Spring Sand reservoirs. The third track is the photoelectric log (PEF) which is shaded blue and purple for higher values and yellow for lower values. The fourth track is neutron and density porosity (NPHI and DPHI). NPHI is shown in red, while DPHI is blue, and when DPHI crosses to the left of NPHI, the space in between the two curves is shaded yellow. Otherwise, it is shaded grey. The Lower 2nd Sand target is often characterized by the yellow crossover shading in the NPHI and DPHI track, Gamma Ray around 50-70 API, and RDEEP below 200 Ohms (not as low as basal 3rd Sand target). Cimarex's target is the standard Lower 2nd Bone Spring Sand target across the area (a few townships), which is shown as a green stick in all three logs. Frac baffles are shown in red and white striped boxes within the depth track, and there are only a couple frac baffles present within the 2nd Bone Spring Carbonate and in the middle of the 2nd Sand. These baffles are characterized by low Gamma Ray <50 API, indicating carbonate, along with high resistivity, and low neutron and density porosities (0-4%). These frac baffles within the 2nd Sand, plus the vertical distance of approximately 400 ft, indicate that there may be another target within the Upper 2nd Sand (similar log characteristics as the Lower Sand target). However, this would be a several mile step-out test, so Cimarex is planning advanced logging/data collection through this interval to de-risk it while drilling the 3rd Sand wells.

19. **Exhibit B-14** is showing a map with all the producing Lower 2nd Bone Spring Sand wells across almost nine townships (left), versus all of the 3rd Bone Spring Carbonate producers across the area (right). This Exhibit highlights the fact that the Lower 2nd Sand is the established target in

the area surrounding the Mighty Pheasant and Loosey Goosey sections (black and red box), while there has only been one well landed in the 3rd Carbonate, with no 2nd Sand development above.

- 20. **Exhibit B-15** shows the PhiH (porosity*height) of the 2nd Bone Spring Sand (left) versus the 3rd Bone Spring Carbonate (right) as shown by the type log located at the blue star. PhiH is one of the most common reservoir maps to identify ideal target areas within the Bone Spring Sands because it represents total pore space, and more pore space means more room for hydrocarbon storage. Both maps have the same color scale, with a contour interval of 2 pore-ft. The Mighty Pheasant and Loosey Goosey sections are shown in the black and red box, and the well control points are displayed. Higher PhiH values are indicated in yellow and red, while lower values are shown in blue. The average PhiH within the 2nd Sand, based on the closest control points, is 30 pore-ft. While the average PhiH within the 3rd Carbonate is 20 pore-ft, which means that the 2nd Sand is at least 60% of the total reservoir, while the 3rd Carbonate is 40% of the total reservoir. However, because there are no frac baffles separating the 2nd Sand and 3rd Carbonate, and because the two Permian Resource targets would have about 135 ft of vertical separation, their 3rd Carbonate wells would drain a significant portion of the 2nd Sand reservoir that the four 2nd Sand wells would already be targeting.
- 21. **Exhibit B-16** is a structure map (Subsea TVD) of the top of the 1st Bone Spring Sand, which is about 40 ft above the 1st Bone Spring Sand Target, as noted by the type log located at the blue star. The contour interval is 100 ft, well control points are displayed, and structure is dipping to the south. From the first take point to the last take point of the Mighty Pheasant and Loosey Goosey wells (located within black and red box), there is approximately 85 ft of relief.
- 22. **Exhibit B-17** is an isopach map of the 1st Bone Spring Sand, as noted by the type log located at the blue star. The contour interval is 20 ft, well control points are displayed, and the 1st

Sand is consistently between 280-300 ft at the Mighty Pheasant and Loosey Goosey development (located within black and red box).

23. Exhibit B-18 is a structural cross section from west to east on the northern end of the Mighty Pheasant and Loosey Goosey sections. Gamma Ray is displayed in the first log track, on a scale from 0 to 150 API, shaded to the right with blue representing low Gamma Ray, brown representing high Gamma Ray, and yellow in between. The second track is deep resistivity (RDEEP), on a scale from 2 to 2000 Ohms, with RDEEP less than 20 Ohms shaded solid red to represent the Bone Spring Sand reservoirs. The third track is the photoelectric log (PEF) which is shaded blue and purple for higher values and yellow for lower values. The fourth track is neutron and density porosity (NPHI and DPHI). NPHI is shown in red, while DPHI is blue, and when DPHI crosses to the left of NPHI, the space in between the two curves is shaded yellow. Otherwise, it is shaded grey. The 1st Sand target is often characterized by the yellow crossover shading in the NPHI and DPHI track, Gamma Ray around 50-70 API, and RDEEP below 20 Ohms. Cimarex's target is the standard 1st Bone Spring Sand target across the area (a few townships), which is shown as a green stick in all three logs.

WOLFCAMP STATEMENT

- 24. **Exhibit B-19** is a structure map (Subsea TVD) of the top of the Wolfcamp, which is about 50 ft below the 3rd Bone Spring Sand Target, as noted by the type log located at the blue star. The contour interval is 100 ft, well control points are displayed, and structure is dipping to the south. From the first take point to the last take point of the Mighty Pheasant and Loosey Goosey wells (located within black and red box), there is approximately 100 ft of relief.
- 25. **Exhibit B-20** is an isopach map of the Wolfcamp X and Y Sands, as noted by the type log located at the blue star. The contour interval is 20 ft, well control points are displayed, and the

Wolfcamp X and Y Sands are consistently about 100 ft at the Mighty Pheasant and Loosey Goosey development (located within black and red box).

26. Exhibit B-21 is a structural cross section from west to east on the northern end of the Mighty Pheasant and Loosey Goosey sections. Gamma Ray is displayed in the first log track, on a scale from 0 to 150 API, shaded to the right with blue representing low Gamma Ray, brown representing high Gamma Ray, and yellow in between. The second track is deep resistivity (RDEEP), on a scale from 2 to 2000 Ohms, with RDEEP less than 20 Ohms shaded solid red to represent the Bone Spring Sand reservoirs. The third track is the photoelectric log (PEF) which is shaded blue and purple for higher values and yellow for lower values. The fourth track is neutron and density porosity (NPHI and DPHI). NPHI is shown in red, while DPHI is blue, and when DPHI crosses to the left of NPHI, the space in between the two curves is shaded yellow. Otherwise, it is shaded grey. The basal 3rd Sand target is often characterized by the yellow crossover shading in the NPHI and DPHI track, Gamma Ray around 50-70 API, and RDEEP below 20 Ohms. Cimarex's target is the standard basal 3rd Bone Spring Sand target across the area (a few townships), which is located above the Wolfcamp X & Y Sands (highlighted yellow on the left side). Frac baffles are shown in red and white striped boxes within the depth track, and there are only a couple frac baffles present within the 3rd Bone Spring Carbonate. These baffles are characterized by low Gamma Ray <50 API, indicating carbonate, along with high resistivity, and low neutron and density porosities (0-4%). There are no indications of any major geomechanical changes/frac baffles in between Cimarex's 3rd Sand target and Permian Resources' Wolfcamp Sands target, indicating that these two intervals are most likely one shared reservoir tank; therefore, Permian Resources' Wolfcamp XY Sands target will primarily produce from the 3rd Bone Spring Sand.

NO FRAC BAFFLE BETWEEN WOLFCAMP AND 3RD SAND

27. **Exhibit B-22** shows the outlined area in red of Cimarex's 3D seismic coverage, which includes the Mighty Pheasant and Loosey Goosey sections as well as the adjacent Cimarex acreage. The Capitan Reef area is shaded blue, and the Potash outline is light blue. 3D seismic will aid in geosteering the Bone Spring development.

28. **Exhibit B-23** is a cross section across 3rd Bone Spring Sand developments, as shown on the map, in two townships (approximate target shown along the green line). The highlighted portion of the logs, which represents the sands bordering the 3rd Bone Spring Sand and Upper Wolfcamp, shows that there are no frac baffles (carbonates) present that would separate the Bone Spring and Wolfcamp across the whole area.

29. **Exhibit B-24** is a map showing net-to-gross density porosity (DPHI) <4% within the 3rd Bone Spring Sand and Upper Wolfcamp Sands, where 0% means there is no frac baffle separating the two formations. Almost all 3rd Sand developments on the map lie within an area that contains minimal-to-no carbonate/frac baffle between the Bone Spring and Wolfcamp.

30. The fact that there are minimal-to-no carbonate/frac baffles between the Bone Spring and Wolfcamp, as evidenced by Exhibits B-23 and B-24, further supports Cimarex's contention that these two intervals are most likely one shared reservoir tank. Thus, Cimarex's proposed 3rd Sand single landing is the optimal proposal based on the geology of the target area. These exhibits also provide further proof that Permian Resources' Wolfcamp XY Sands target will primarily produce from the 3rd Bone Spring Sand.

31. The Exhibits to this Affidavit were prepared by me or compiled from Cimarex's company business records under my supervision.

- 32. The granting of this Application is in the interests of conservation, the prevention of waste, and the protection of correlative rights.
 - 33. The foregoing is correct and complete to the best of my knowledge and belief.

[Signature page follows]

Signature page of Self-Affirmed Statement of Staci Mueller:

I understand that this Self-Affirmed Statement will be used as written testimony before the Division in Case Nos. 23448-23455 and 23594 – 23601 and affirm that my testimony herein is true and correct, to the best of my knowledge and belief and made under penalty of perjury under the laws of the State of New Mexico.

STACI MUELLER

8/2/2023

Date Signed

Geology Exhibits



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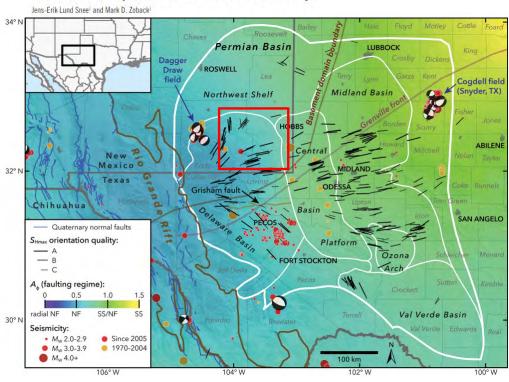
Locator Map & Stress Direction

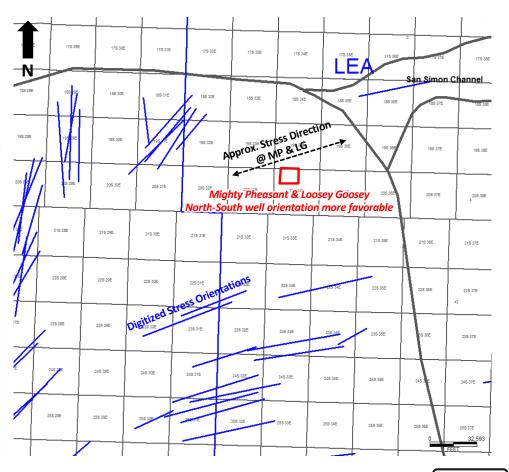
Coterra plans to develop Sections 4-9 and 5-8 with 2-mile laterals

- 1. 8 Lower 3rd Bone Spring Sand
- 2. 8 2nd Bone Spring Sand
- 3. 8 1st Bone Spring Sand

The wells will be drilled north to south from 2 pads/ Section

State of stress in the Permian Basin, Texas and New Mexico: Implications for induced seismicity





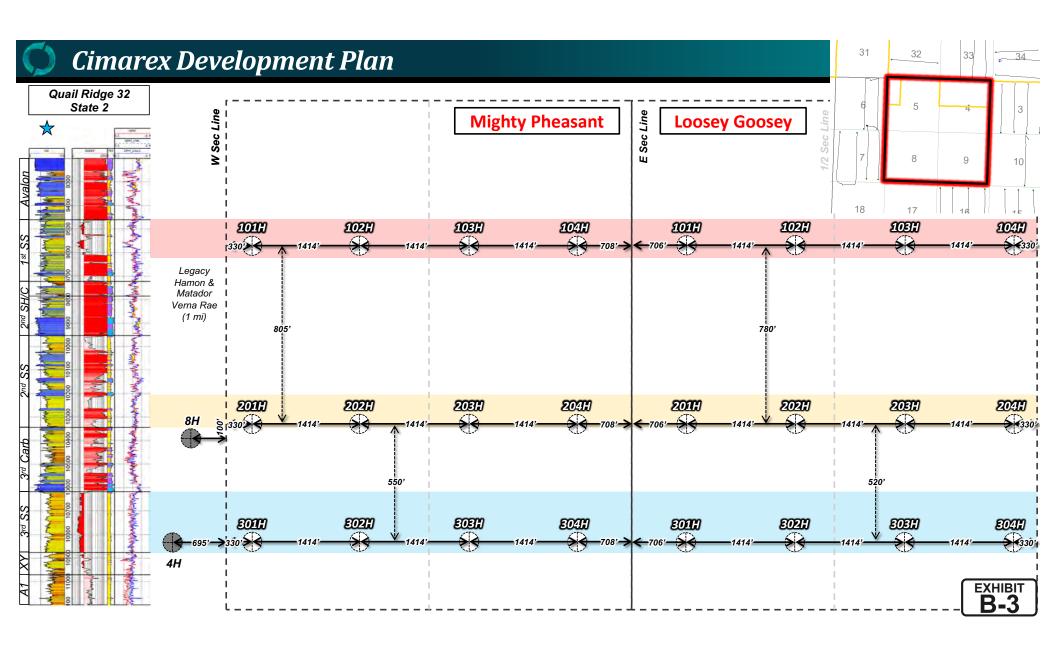


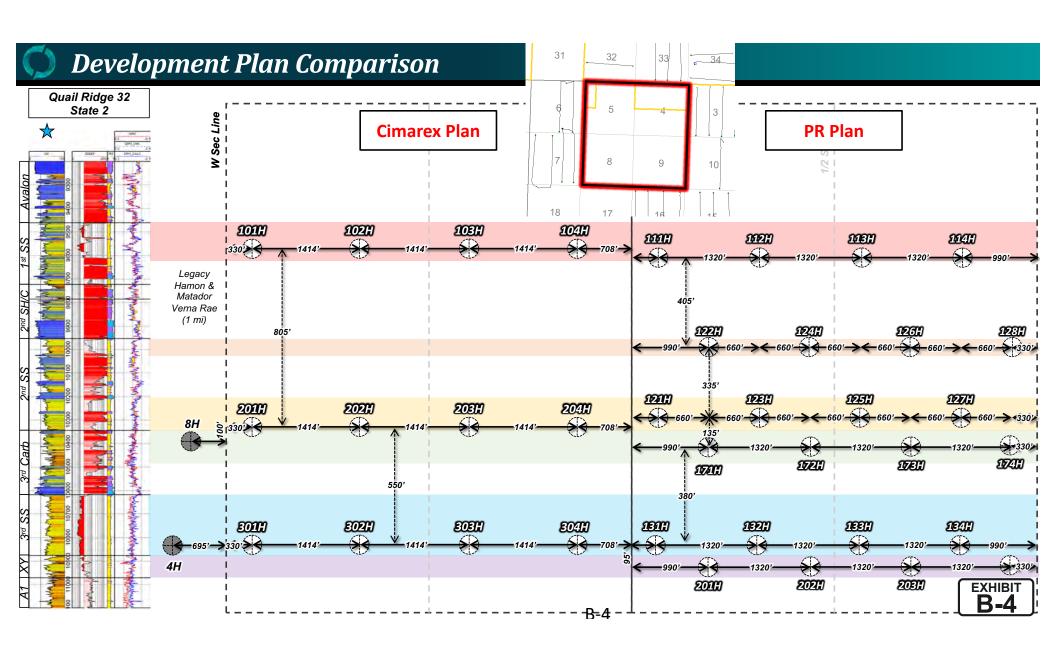


Permit Status

	State	County	Well Name & Number	Permit Status	Permit Submission Due Date	Permit Submitted Date	10-Day Letter Date	10-Day Letter Due
	NM	Lea	Mighty Pheasant 5-8 Fed Com 101H	To be permitted				
	NM	Lea	Mighty Pheasant 5-8 Fed Com 102H	To be permitted				
	NM	Lea	Mighty Pheasant 5-8 Fed Com 103H	To be permitted				
	NM	Lea	Mighty Pheasant 5-8 Fed Com 104H	To be permitted				
	NM	Lea	Mighty Pheasant 5-8 Fed Com 201H	To be permitted				
	NM	Lea	Mighty Pheasant 5-8 Fed Com 202H	To be permitted				
	NM	Lea	Mighty Pheasant 5-8 Fed Com 203H	To be permitted				
	NM	Lea	Mighty Pheasant 5-8 Fed Com 204H	AFMSS-Accepted	2/14/2022	2/14/2022	6/2/2023	7/17/2023
	NM	Lea	Mighty Pheasant 5-8 Fed Com 301H	AFMSS-Accepted	3/1/2022	3/1/2022		
	NM	Lea	Mighty Pheasant 5-8 Fed Com 302H	AFMSS-Accepted	3/2/2022	3/2/2022		
	NM	Lea	Mighty Pheasant 5-8 Fed Com 303H	AFMSS-Accepted	2/14/2022	2/14/2022	6/2/2023	7/17/2023
	NM	Lea	Mighty Pheasant 5-8 Fed Com 304H	AFMSS-Accepted	3/1/2022	3/1/2022	6/2/2023	7/17/2023
	NM	Lea	Loosey Goosey 4-9 Fed Com 101H	To be permitted				
Submitted permits for 3 rd Sand	NM	Lea	Loosey Goosey 4-9 Fed Com 102H	To be permitted				
development & 1 st Sand/2 nd	NM	Lea	Loosey Goosey 4-9 Fed Com 103H	To be permitted				
Sand test	NM	Lea	Loosey Goosey 4-9 Fed Com 104H	To be permitted				
BLM is currently working on	NM	Lea	Loosey Goosey 4-9 Fed Com 201H	To be permitted				
these	NM	Lea	Loosey Goosey 4-9 Fed Com 202H	To be permitted				
	NM	Lea	Loosey Goosey 4-9 Fed Com 203H	To be permitted				
	NM	Lea	Loosey Goosey 4-9 Fed Com 204H	AFMSS-Accepted	3/15/2022	3/15/2022		
	NM	Lea	Loosey Goosey 4-9 Fed Com 301H	AFMSS-Accepted	3/9/2022	3/9/2022		
4	NM	Lea	Loosey Goosey 4-9 Fed Com 302H	AFMSS-Accepted	3/9/2022	3/9/2022		
	NM	Lea	Loosey Goosey 4-9 Fed Com 303H	AFMSS-Accepted	3/15/2022	3/15/2022		
L	NM	Lea	Loosey Goosey 4-9 Fed Com 304H	AFMSS-Accepted	3/15/2022	3/15/2022		

B-2





3rd Bone Spring Sand



-5600 -5700 -5800

-5900 -6900 -6100 -6200 -6300 -6400 -6500 -6600

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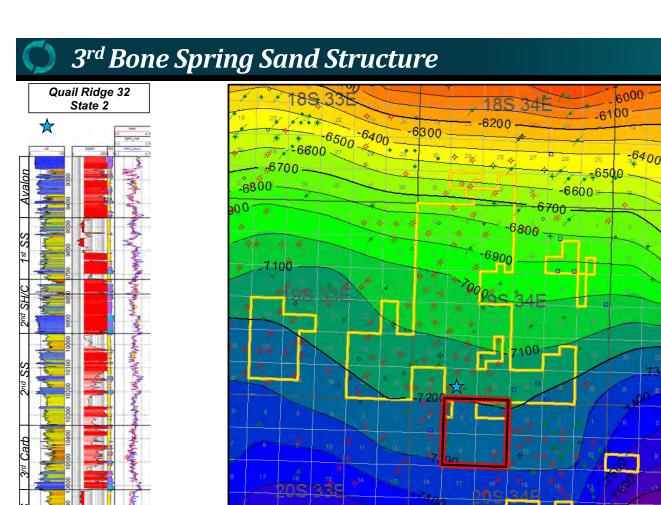
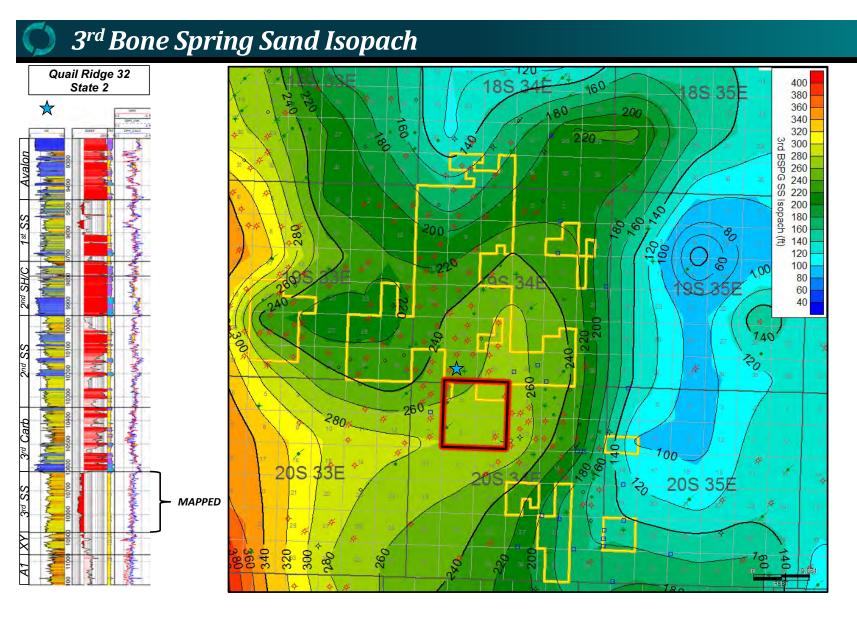
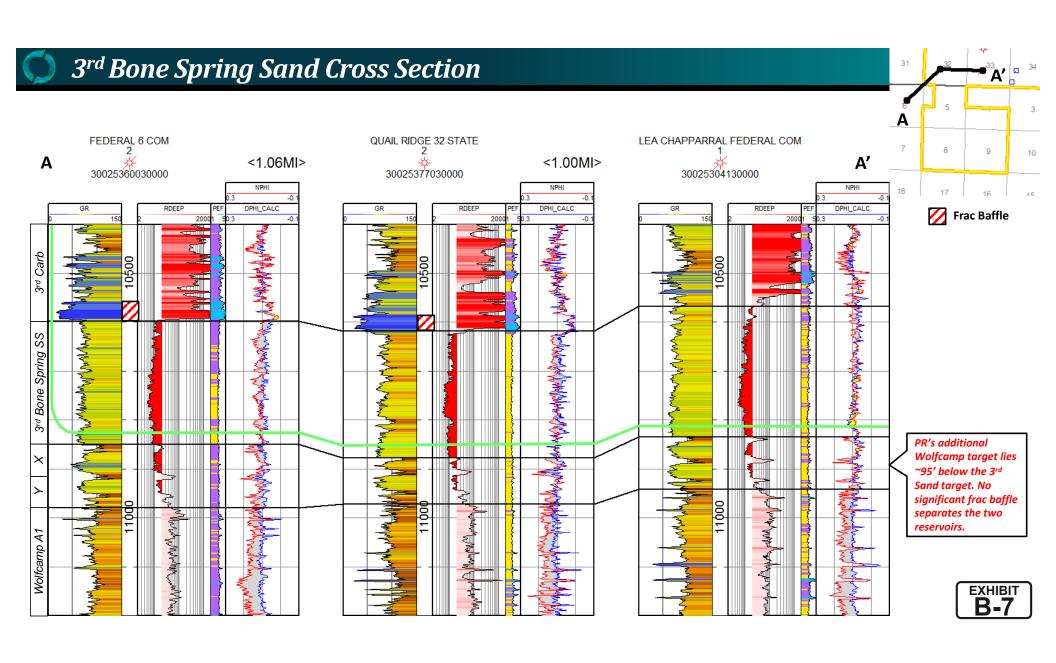


EXHIBIT **B-5**

MAPPED

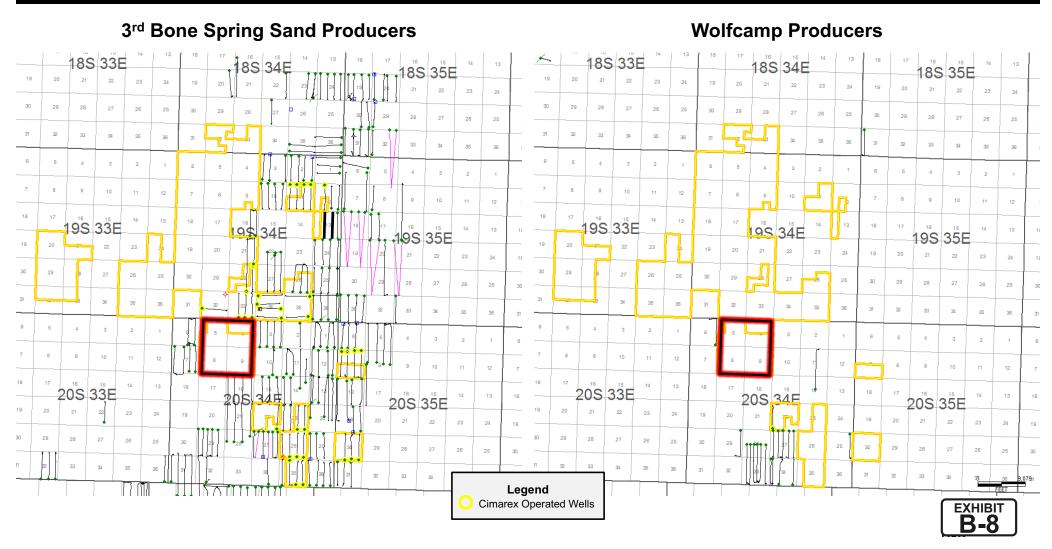


B-6



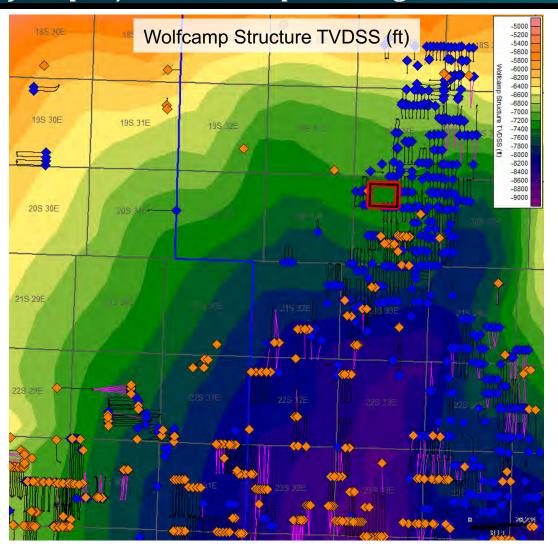


3rd Bone Spring Sand is Established Target



O

Co-Wolfcamp SS/3rd SS Development Begins Further South



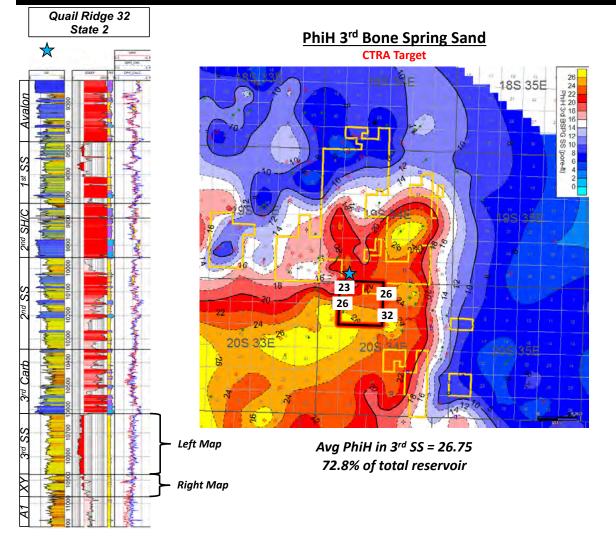
3rd Bone Spring Sand

Wolfcamp Sands

EXHIBIT **B-9**

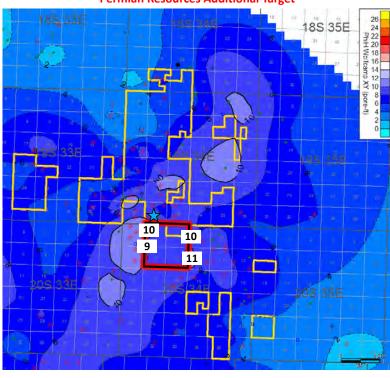
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Comparing 3rd Sand to Wolfcamp Reservoir (SoPhiH)



PhiH Wolfcamp X & Y Sands

Permian Resources Additional Target



Avg PhiH in WFMP XY = 10 27.2% of total reservoir

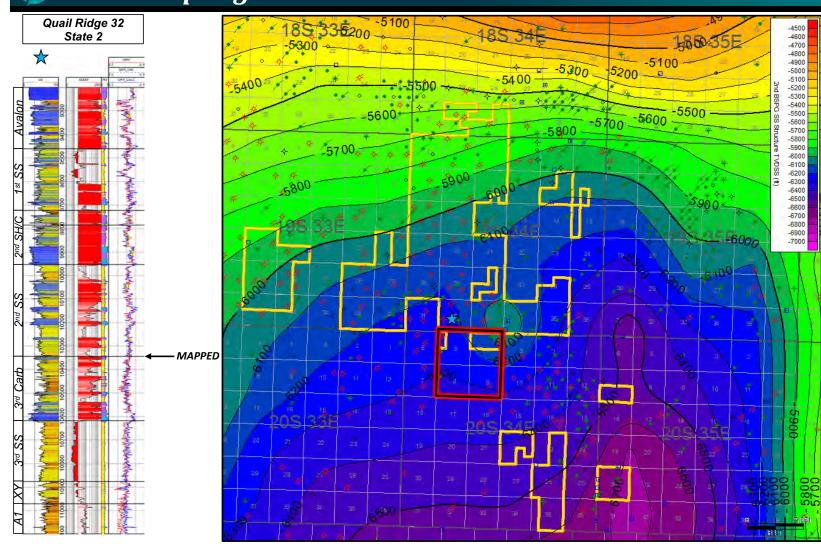


2nd Bone Spring Sand



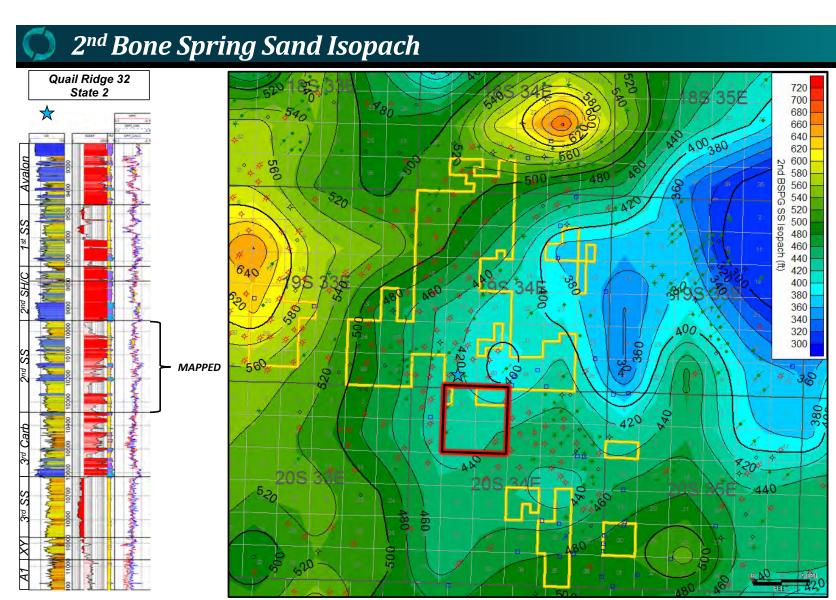


2nd Bone Spring Sand Structure



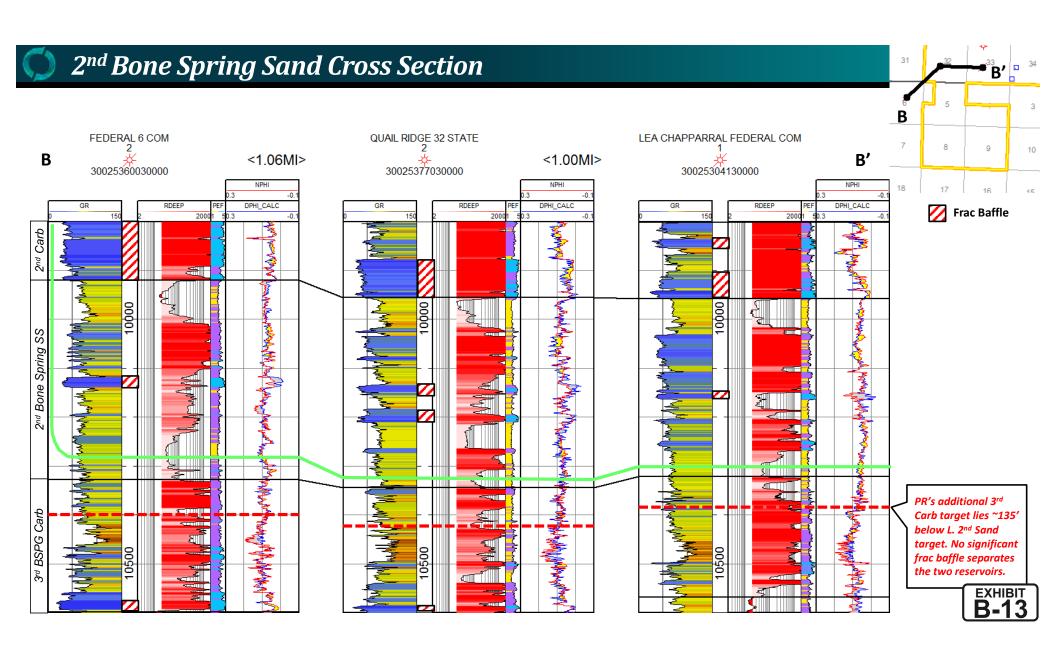


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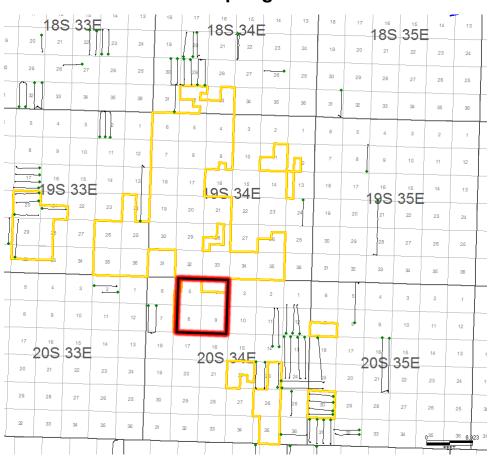
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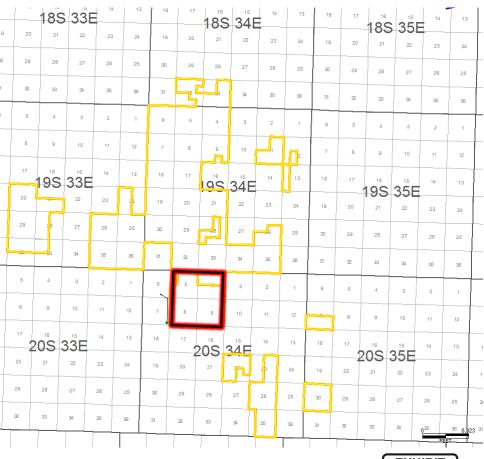


2nd Bone Spring Sand is Established Target

Lower 2nd Bone Spring Sand Producers



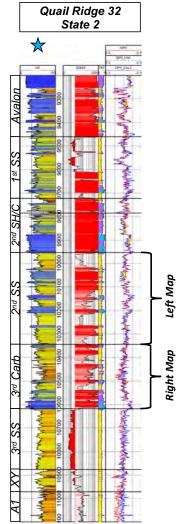
3rd Bone Spring Carb Producers



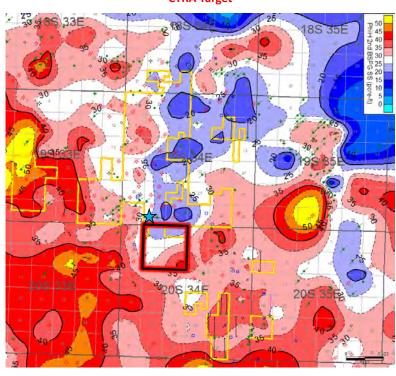
B-14

O

PhiH L 2nd Sand vs. 3rd Carb



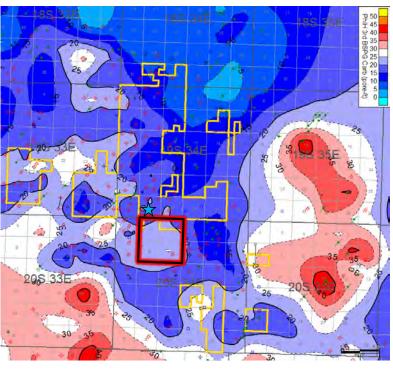
PhiH 2nd Bone Spring Sand CTRA Target



Avg PhiH in 3rd SS = 30 60% of total reservoir

PhiH 3rd Bone Spring Carb

Permian Resources Additional Target

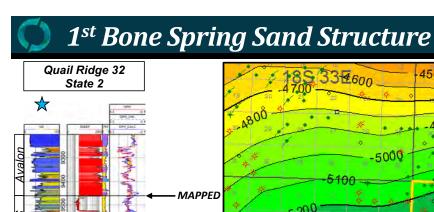


Avg PhiH in WFMP XY = 20 40% of total reservoir

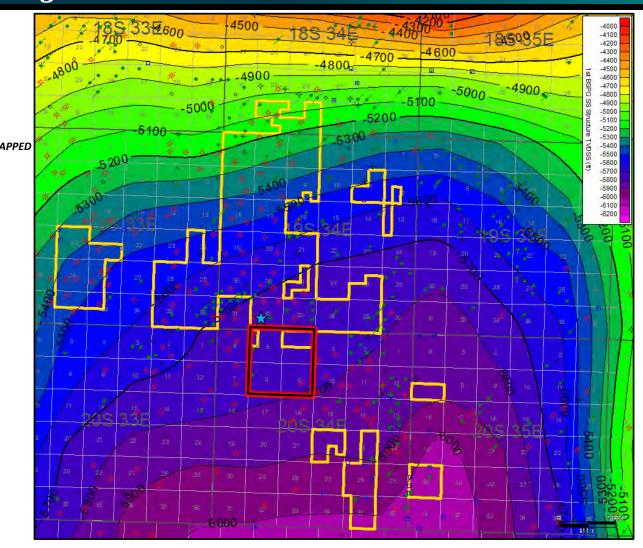


1st Bone Spring Sand



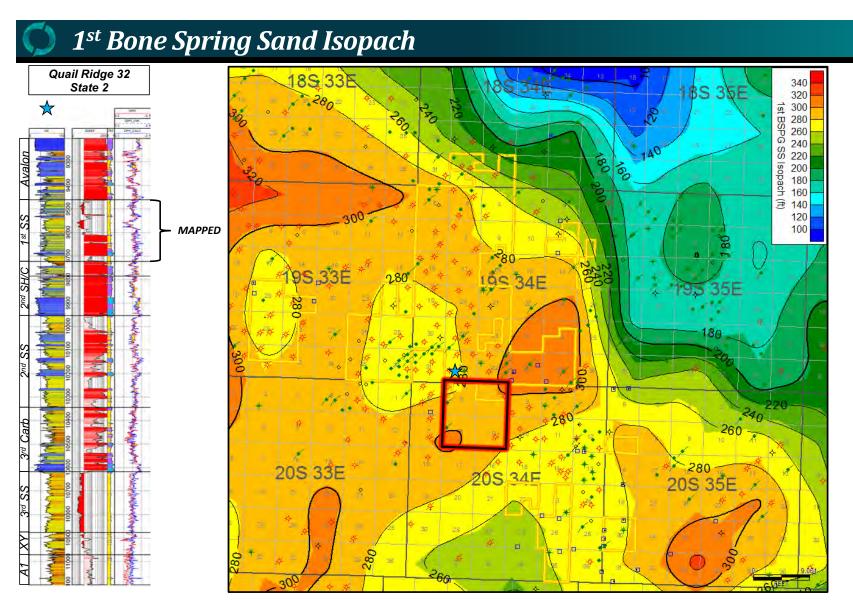


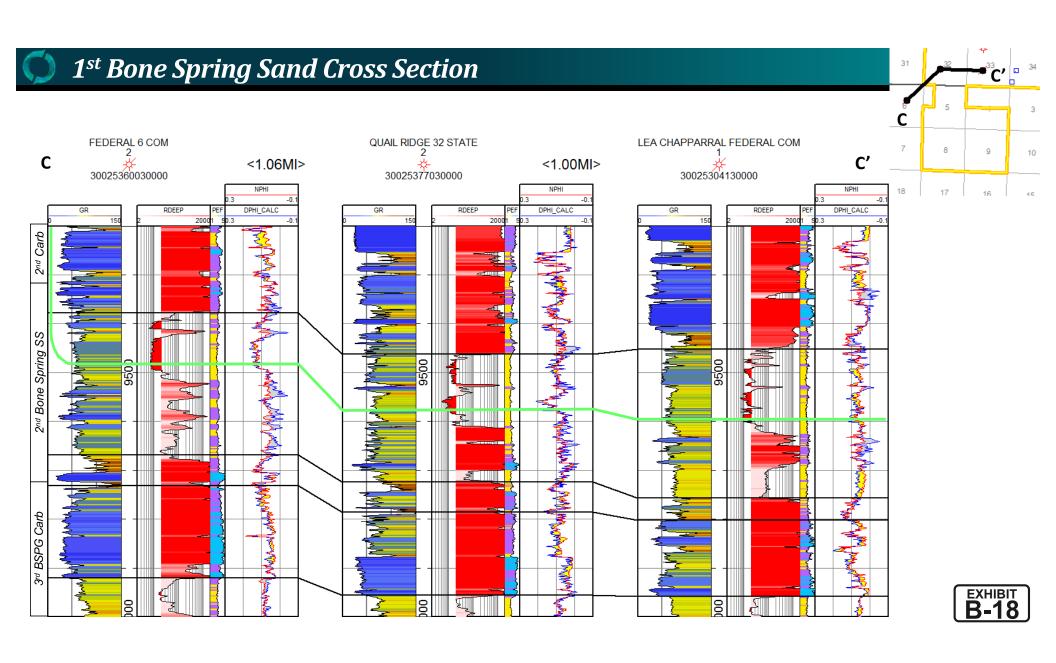




B-16

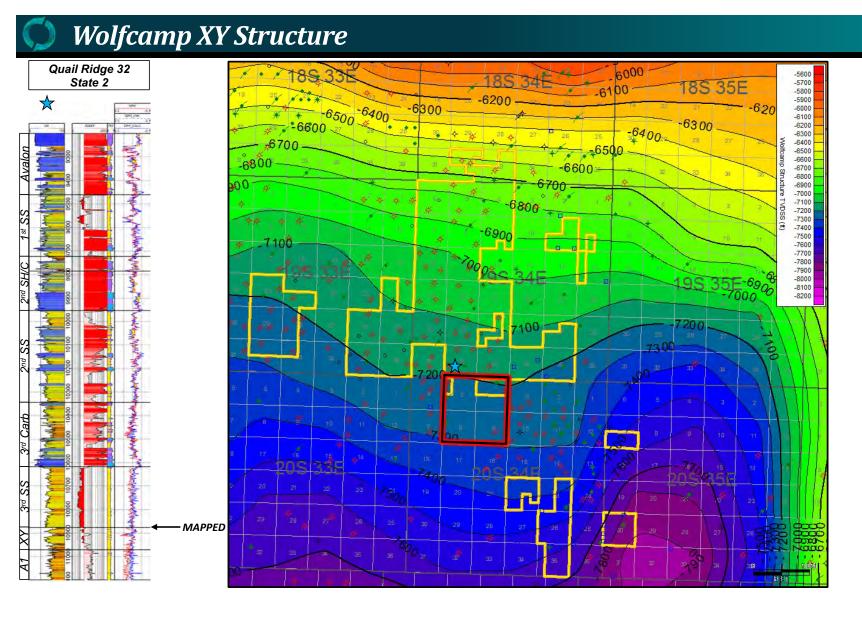
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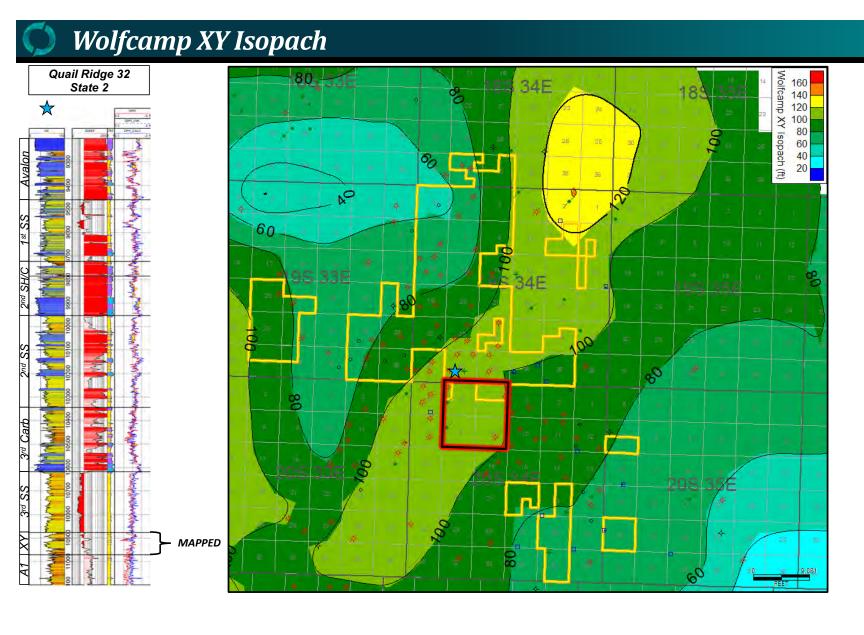
Wolfcamp XY





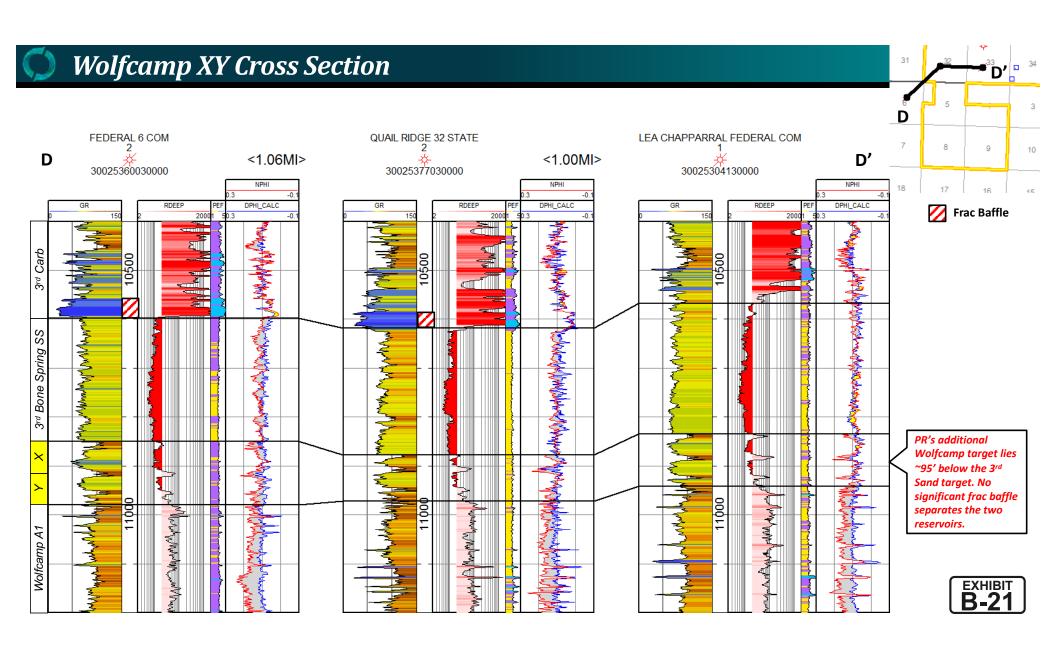
B-19

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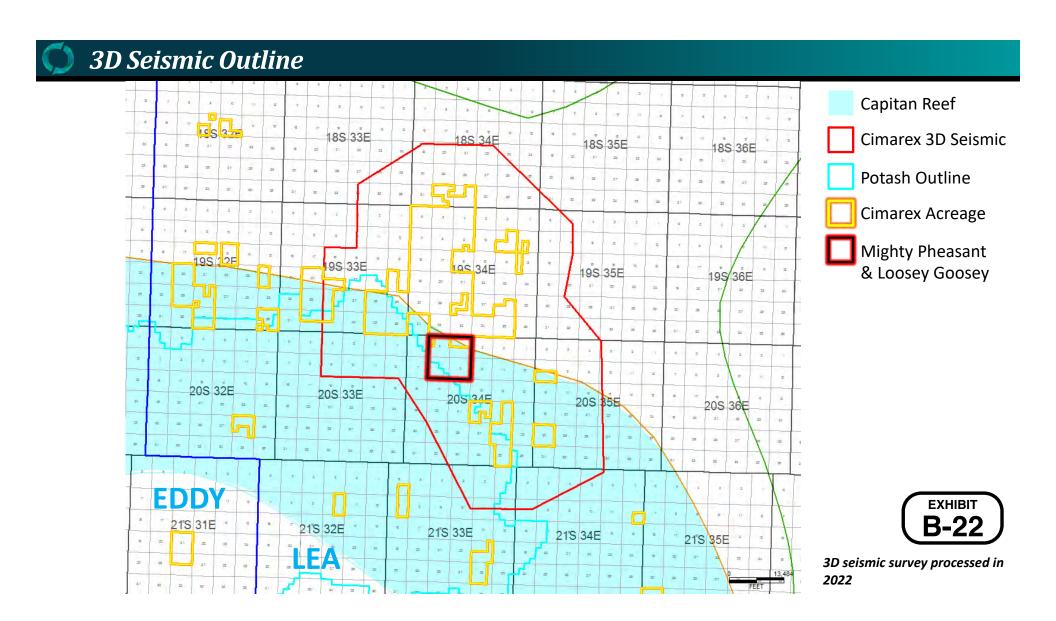


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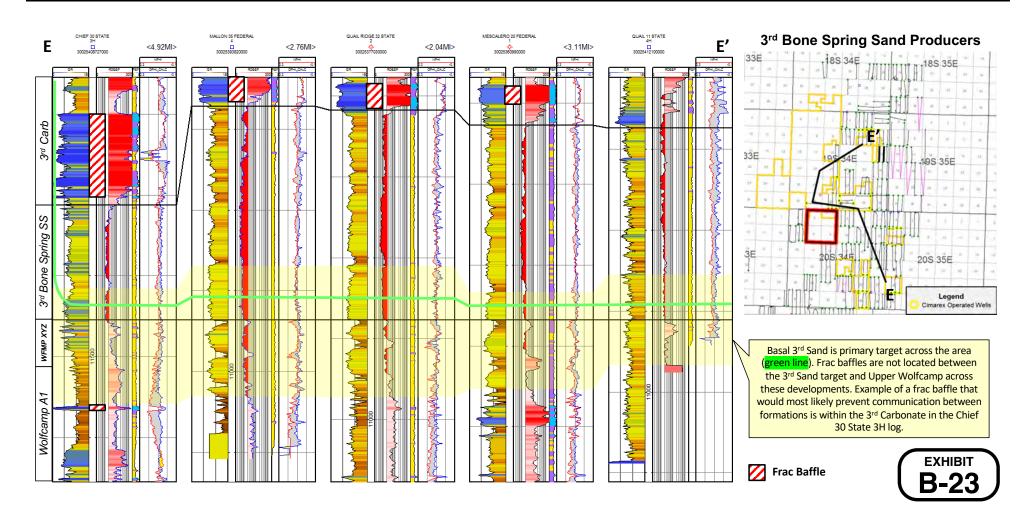
No Frac Baffle Between Wolfcamp and 3rd Sand





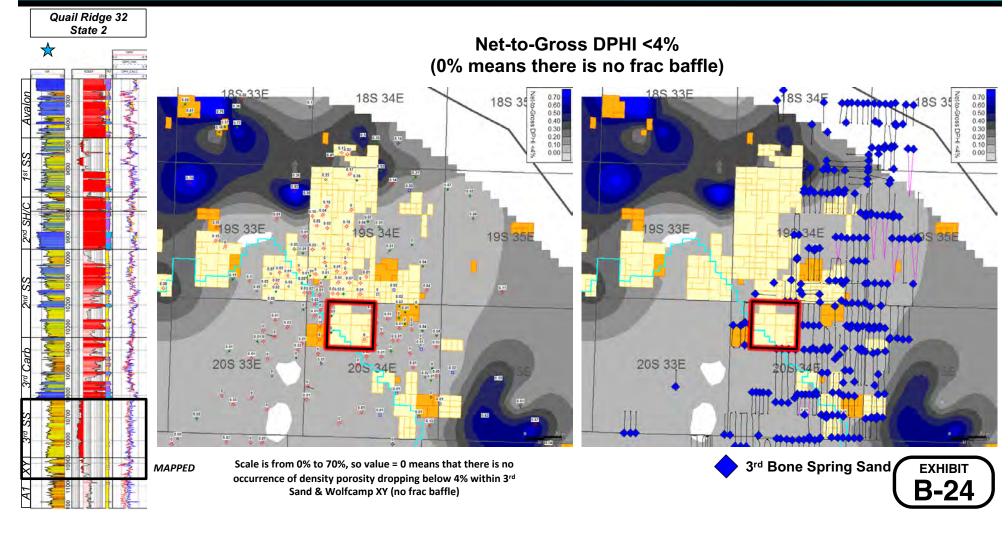
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No Frac Baffle Present Between Wolfcamp & 3rd Sand at Offset 3rd Sand Developments



O

No Frac Baffles Between BSPG & WFMP at Existing Production



TAB 4

Case Nos. 23594-23601

Exhibit C: Self-Affirmed Statement of Calvin Boyle, Facility Engineer Exhibit C-1: Mighty Pheasant - Loosey Goosey Development Plan

Exhibit C-2: Mighty Pheasant - Loosey Goosey Operations and Environmental

Overview

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

APPLICATIONS OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23448 – 23451 (Mighty Pheasant; Bone Spring; Secs. 5 & 8)

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23594 – 23597 (Mighty Pheasant; Wolfcamp; Secs. 5 & 8)

APPLICATIONS OF CIMAREX ENERGY CO.
FOR A HORIZONTAL SPACING UNIT AND
COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

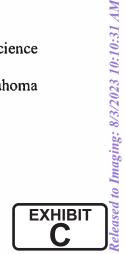
Case Nos. 23452 – 23455 (Loosey Goosey; Bone Spring; Secs. 4 & 9)

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23598 – 23601 (Loosey Goosey; Wolfcamp; Secs. 4 & 9)

SELF-AFFIRMED STATEMENT OF CALVIN BOYLE

- 1. I am over the age of 18 and have the capacity to provide this Statement.
- 2. I graduated from the University of Oklahoma in 2016 with a Bachelor of Science degree in Petroleum Engineering. I received a Master of Business Administration from Oklahoma State University in 2018.



- 3. I was employed by Haliburton Energy Services from June 2017 until March 2019, as a Technical Professional, responsible for designing and managing cementing programs for all of XTO Energy Inc.'s drilling rigs in the Mid-Continent.
- 4. I joined Cimarex Energy Co. ("Cimarex") in March 2019. Since October 1, 2021, when Cimarex merged with Cabot Oil & Gas Corporation to form Coterra Energy Inc. ("Coterra"), I have been an employee of Coterra.
- 5. I have been a Facility Engineer for Cimarex and then Cottera since April 2021. As the Facility Engineer, I am responsible for planning, designing, and managing production facilities operated by Cimarex. Coterra has charged me with ensuring that production facilities are designed and managed so as to minimize environmental impacts.
- 6. I manage construction budgets for production facilities and allocate capital to optimize production facilities. I have appended a copy of my resume as Attachment A to my Statement.
- 7. This Statement provides a description and overview of the facilities that Cimarex will implement in its development plan for the Mighty Pheasant Wells in Sections 5 and 8, Township 20 South, Range 34 East; and the Loosey Goosey Wells in Sections 4 and 9, Township 20 South, Range 34 East, covering 2,880 acres, more or less. (The 2,880 acres are referred to herein as the "Subject Lands" and the Development Plan for the Subject Lands is referred to herein as the "MP-LG Development Plan.").
- 8. I assisted in the formulation of Cimarex's plans to develop the hydrocarbons in the applications filed in the above-referenced Cases and am familiar with facilities that Cimarex is proposing in its applications as well as the AFEs associated with all of the wells that Cimarex is

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proposing in these cases and the AFEs associated with the additional wells that Cimarex is planning to drill on the Subject Lands.

Exhibit C-1: Mighty Pheasant - Loosey Goosey Development Plan.

- 9. As shown on Exhibit C-1, Cimarex will develop the Subject Lands with only 33.9 acres of disturbance to the surface, consisting of 2.33 acres of roads, 25.25 acres for pads, and 6.31 acres for a single battery. Thus, the results in a minimal 1.17% disturbance of the Subject Lands that substantially minimizes the environmental impact of the plan of development.
- 10. After the four drill pads and bulk gathering lines are installed, Cimarex will rotate back to these existing drill pads for all activities and operations within the MP-LG Development Plan, thus requiring no further surface disturbance to the lands. By minimizing dirt work in this way, Cimarex will reduce potential air pollution and preserve both native vegetation and natural habitat.
- 11. Cimarex will use a single Battery for all of the 27 to 34 wells that Cimarex intends to drill as part of the MP-LG Development Plan. A single battery eliminates two additional batteries that would otherwise be required, thereby eliminating additional surface disturbances and high-risk emissions devices.
- 12. Cimarex will develop the Subject Lands utilizing best-in-class gas capture technology and operations. Cimarex has already initiated this approach by securing proposals for oil, water, and gas takeaway using such technology and by submitting load requests to power surface equipment to develop the acreage. Cimarex has implemented an operations policy that encompasses zero (0) routine flaring and the use of tankless facilities that offer superior capture rates of low-pressure gas (>90% low pressure capture) for new developments. Cimarex will utilize these policies in the development plan.

Exhibit C-2: Mighty Pheasant - Loosey Goosey Operations and Environmental Overview

Cimarex will construct a single tankless facility for the MP-LG Development Plan. Cimarex will spend an additional \$610,000 to lower the emission's risk of the facility. Cimarex's tankless facility utilizes surge vessels rather than tanks. In doing so, Cimarex removes all high-risk emissions devices from the facility. Cimarex will not utilize a high-pressure flare unless H₂S is present which allows Cimarex to minimize flaring. Cimarex will also install redundant vapor recovery units to increase low pressure gas capture and minimize flaring.

- 14. Cimarex will spend an additional \$255,000 to lower the spill risk of the facility. Cimarex will install lined containment around all equipment and pumps. Berm switches will be installed inside the containment to minimize a spill if one should occur. Cimarex will install stainless steel piping in high spill risk areas which significantly reduces the likelihood of a spill occurring. Cimarex will install pump seal leak detection to minimize the likelihood of a spill off of the water transfer pumps.
- 15. The Exhibits to this Self-Affirmed Statement were prepared by me or compiled from Cimarex's company business records under my supervision and/or approval.
- 16. The foregoing is correct and complete to the best of my knowledge and belief.

 I understand that this Self-Affirmed Statement will be used as written testimony before the

 Division in Case Nos. 23448-23455 and 23594-23601 and affirm that my testimony herein is

 true and correct, to the best of my knowledge and belief and made under penalty of perjury under

the laws of the State of New Mexico.

Calvin Thomas Boyle

8-2-23

Date Signed

Calvin Thomas Boyle

6001 Deauville Blvd. Suite 300N Midland, TX 79706 | (918)-891-1095 | calvin.boyle@coterra.com

Education

Master of Business Administration

Concentration: Energy Business
Oklahoma State University – Stillwater, OK

Graduated August 2018; GPA: 4.00

Bachelor of Science in Petroleum Engineering

University of Oklahoma – Norman, OK Graduated May 2016; GPA: 3.71

Work Experience

Coterra Energy (Formerly Cimarex Energy) – Facility Engineer

Midland, TX (April 2021-present)

- Plan, supervise, and design capital projects to minimize environmental impact
- Efficiently allocate capital to optimize production facilities
- Manage \$74MM capital construction budget
- Implement Vapor Recovery Unit life plan to effectively decrease emissions
- Coordinate with field personnel and executive management for successful project execution
- Software proficiencies: Promax, ARIES, Carte, XSPOC, Spotfire, Google Earth, and various

Coterra Energy (Formerly Cimarex Energy) - Production Engineer

Midland, TX (March 2020-April 2021)

- Monitor production of more than 200 oil and gas wells in Lea and Eddy County New Mexico (Gas Lift, ESP, flowing, and pumping wells)
- Proposed, oversaw, and executed the divestiture of a 30 well asset
- Design and implement workovers (Rod Lift, ESP, Plunger, Acid Stimulation)
- Implemented the XSPOC system which decreased downtime by 12%

Coterra Energy (Formerly Cimarex Energy) – Field Engineer

Jal, NM (March 2019 to March 2020)

- Managed production of 31 oil wells (Gas lift, pumping, plunger, and flowing)
- Optimized the wells to increase production and decrease LOE
- Monitored flare pilot and VRUs to prevent methane emissions from flares and tanks
- Maintained production facilities

Halliburton Energy Services - Technical Professional, Cement

El Reno, OK (June 2017 to March 2019)

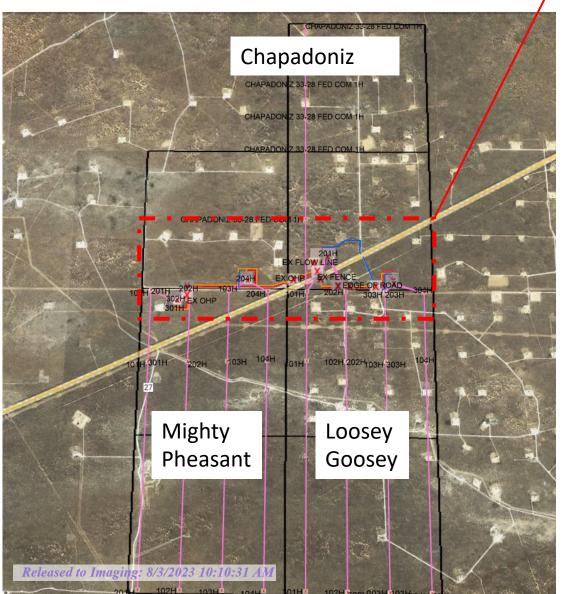
- Manage and design the cementing program for all of XTO's drilling rigs in the Mid-Continent; designing the cement programs in order to meet or exceed all of the XTO's specifications on each well drilled
- Design cement slurries for thickening time, compressive strength, rheological properties, and fluid loss; proactively tailoring cement slurries to achieve desired properties and alleviate risk for both my customers and Halliburton
- Run foam cement jobs on location; monitoring multiple variables and pumping nitrogen to ensure a successful job





Mighty Pheasant Loosey Goosey Development Plan

1 mile





Single Battery develops – 27 to 34 planned wells

- Oil water gas power ROW connects 4 drilling pads with on pad separation to Battery
- Single battery eliminates 2 additional batteries worth of disturbance and high-risk emissions devices.
- Cimarex permits 0 routine flaring, and our design has >=90% low pressure vapor capture
- Roads (2.33) acres, pads (25.25 acres) and battery (6.31 acres) create ~33.9 acres of disturbance allowing for full development of ~2880 acres, 1.17% disturbance.
- Pipelines are onetime construction; follow-up wells will use existing gathering off pad which is installed the first time a well is drilled off a drill pad. All future wells create no new disturbance off drill pads minimizing environmental impact

Operations and Environmental Overview



Tankless Battery Design

- Central battery utilizing surge vessels
- Satellite separators utilized to eliminate future ground disturbance

Emissions Reduction

- 0 high risk emissions devices
- Removal of high-pressure flare (Shut wells in during high line pressure events)
- Redundant vapor recovery units to increase low-pressure gas capture and reduce flaring

Spill Mitigation

- Containment around all equipment and pumps
- Stainless steel piping in high-risk areas
- Transfer pump seal leak detection
- Berm switches in containments





TAB 5

Case Nos. 23594-23601

Exhibit D:	Self-Affirmed Statement of Eddie Behm, Petroleum Engineer
Exhibit D-1:	,
	Cimarex's High Profile Role in Lea County
Exhibit D-2:	Cimarex's Overall Production in Lea County
Exhibit D-3:	Map of 3 rd Bone Spring Sand Producers
Exhibit D-4:	3 rd Sand Well Count by Landing and Operators
Exhibit D-5:	Black and Tan 3 rd Sand Composite Forecast 6 wells
	(Before WC completion)
Exhibit D-6:	Black and Tan 3 rd Sand Composite Forecast 6 Wells Post
	Wolfcamp Frac
Exhibit D-7:	Black and Tan Wolfcamp Composite Forecast 6 wells
	Black and Tan Wolfcamp Composite Forecast 5 wells
Exhibit D-9:	Lessons learned from Black & Tan Development
Exhibit D-10:	Diagram of Staggered Landing Wolfcamp 3 rd SS Vs. 3 rd SS Flat
Exhibit D-11:	Black and Tan Analog comparison to MP/LG
Exhibit D-12:	Landing Zone Matters; Five Years Ago, Cimarex's Perry Test
	Confirmed 3 rd SS Landing as Best Target
Exhibit D-13:	Vrena Frac Test
Exhibit D-13:	Dataset Identifying all Wells in Area of Interest
Exhibit D-14:	Production Projections: 1280 Scale
Exhibit D-15:	Average Cumulations of Oil
Exhibit D-16:	Projected Oil Rate: 1280 Scale
Exhibit D-17:	Batman WH vs. EH
Exhibit D-18:	Capital Plan Comparison
	Cimarex Majority Working Interest
Exhibit D-20:	Comparison of Development Plans
Exhibit D-21:	PV10 Comparison: Mighty Pheasant vs. Joker
Exhibit D-22:	PV10 Comparison: Loosey Goosey vs. Bane
Exhibit D-23:	Ownership Rations and Depth Severances
Exhibit D-24:	API List of Wells by Formation

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

APPLICATIONS OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23448 – 23451 (Mighty Pheasant; Bone Spring; Secs. 5 & 8)

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23594 – 23597 (Mighty Pheasant; Wolfcamp; Secs. 5 & 8)

APPLICATIONS OF CIMAREX ENERGY CO.
FOR A HORIZONTAL SPACING UNIT AND
COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23452 – 23455 (Loosey Goosey; Bone Spring; Secs. 4 & 9)

APPLICATIONS OF CIMAREX ENERGY CO. FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23598 – 23601 (Loosey Goosey; Wolfcamp; Secs. 4 & 9)

SELF-AFFIRMED STATEMENT OF EDDIE BEHM

- 1. I am over the age of 18 and have the capacity to provide this Statement.
- 2. For the past six years, I have been employed as a Production Engineer and Reservoir Engineer in the Delaware Basin for Cimarex Energy Co. ("Cimarex") and then Coterra Energy Inc ("Coterra") as of October 1, 2021, when Cimarex merged with Cabot Oil & Gas



Corporation to form Coterra. My primary focus has been the development of the Bone Spring and Wolfcamp formations in Lea County, New Mexico.

- 3. I graduated from the University of Tulsa in 2011 with a Bachelor of Science degree in Petroleum Engineering. I was employed by Occidental Petroleum Corporation and California Resources Corporation from 2011 to 2017, prior to working for Cimarex.
- 4. I have previously testified before the Oil Conservation Division ("Division") as an expert in Petroleum Engineering and my credentials have been accepted of record by the Division.
- 5. I provided petroleum engineering and petroleum reservoir expertise with respect to the formulation of Cimarex's plans to develop the Loosey Goosey Wells in Sections 4 and 9 and the Mighty Pheasant Wells in Sections 5 and 8, Township 20 South, Range 34 East, Township 20 South, Range 34 East, covering 2,880 acres, more or less. (The 2,880 acres are referred to herein as the "Subject Lands" and Cimarex's Development Plan for the Subject Lands is referred to herein as the "Goosey-Pheasant Plan.")
- 6. I am also thoroughly familiar with the competing applications filed by Read & Stevens, Inc. in Case Nos. 23508-23523 for its Bane Wells proposed for Sections 4 and 9 and its Joker Wells proposed for Section 5 and 8 (collectively referred to as the "Bane-Joker Plan"). Read & Stevens designated Permian Resources Operating, LLC as the Operator for its proposed development. (Read & Stevens, Inc. and Permian Resources Operating, LLC are collectively referred to herein as "Permian Resources.")
- 7. This Statement compares Cimarex's Goosey-Pheasant Plan to Permian Resources' Bane-Joker Plan to be used in the hearing before the Division on these completing applications.
- 8. Based on my educational background, my experience as a Petroleum Engineer in the area surrounding the competing plans that contain the same geological and reservoir

characteristics (referred to herein as the "Area of Interest" and as the "AOI"), production data from wells completed in the 3rd Bone Spring Sand and in the Upper Wolfcamp in the Area of Interest, Recovery factors within the subject lands, Stack Stagger results throughout Lea County in various geologic settings, data from the Hydraulic Fracturing Test Site 2 ("HFTS2"), and the costs of the competing plans, it is my opinion regarding the development to the Subject Lands as an expert in the field of Petroleum Engineering that:

- The 3rd Bone Spring Sand ("3rd Sand") is the established single bench target;
- The optimal spacing for the 3rd Sand is four (4) laterals per Section;
- The spacing proposed by Permian Resources of eight (8) laterals per Section in the 3rd Sand is overly dense and wasteful since it will not result in an increase production to offset the additional \$166 Million in capital expenditures incurred;
- Co-development of the Upper Wolfcamp in association with the development of the 3rd Sand will not result in any significant increase in the Estimated Ultimate Recovery ("EUR") of hydrocarbons and may negatively impact EUR;
- Due to the fact that the working interest owners under Permian Resources' plan will be burdened with an additional \$270 Million in costs that will result in little, if any, disparities in EUR, all working interest owners will enjoy a substantial benefit if Cimarex's Goosey-Pheasant Plan is implemented, even working interest owners who own a greater interest in the Wolfcamp Formation than the Bone Spring Formation; and
- Conversely, all working interest owners of the Subject Lands will suffer considerable reduction in their return on investment if Permian Resources' Joker-Bane Plan is implemented, even working interest owners who own a greater interest in the Wolfcamp Formation than the Bone Spring Formation
- 9. The information on which I am basing my opinions are the type of information that an expert in Petroleum Engineering normally relies upon in formulating opinions related to these subject matters.

Exhibits D-1 and D-2 Cimarex is a Play Leader in Lea County

- 10. **Exhibits D-1 and D-2** show the top fifteen (15) operators in Lea County from 2018-2022, based on the Average First 12 Month Cum BOE per 1000 feet of laterals (Ex. D-1) and based on Average First 12 Month Cum Oil BBL per 1000 feet of laterals (Ex. D-2), as compiled by Enverus, Inc.
- 11. **Exhibit D-1** shows that from 2018-2022 Coterra/Cimarex averaged 50,749 BOE for the first twelve months for each 1,000 feet of laterals over 81 wells, while Permian Resources averaged just 30,059 BOE for that same period for 94 wells. Coterra/Cimarex is one of the top two operators in Lea County under this metric.
- 12. **Exhibit D-2** shows that from 2018-2022, Coterra/Cimarex averaged 34,633 barrels of oil for the first twelve months per 1,000 feet of laterals over 81 wells, while Permian Resources averages just 23,625 BOE for that same period for 94 wells. Coterra/Cimerax is one of the top two operators in Lea County under this metric.
- 13. While these results are dependent upon the quality of the producing formations, Cimarex's superior results are also the result of applying a similar process using barrier and flow unit identification to inform landings, full section development recovery from densely drilled projects to inform well count, and understanding how oil is distributed within the flow units to most efficiently target all the economic barrels in each development. The most important driver of our success in Lea County over this time period has been driven not only by improved lateral spacing but by recognizing whether a flat single landing or stagger is most appropriate for the flow unit or units being targeted. We target the Leonard, Avalon, 2nd Shale, Upper 2nd Sand, lower 2nd Sand, Harkey, 3rd Sand, Wolfcamp sands, Wolfcamp A, and Wolfcamp Lower A/B and over spacing

laterally or vertically risks performance of wells landed in formations above and below as well as within the same bench.

- 14. Recognizing when a single landing is needed and a stagger is warranted is a fundamental difference in the plans proposed. Cimarex moved from 14 well per section testing staggers as vertically tight as 40 feet in 2017 at Hallertau (Section 5, Township 26 South, Range 32 East), which targeted the X and Y as if they were separate flow units with a third landing in the A 150 feet below despite a lack of barriers. Lack of vertical separation in addition to over spacing was a common mistake 6 years ago which results quickly made obvious to operators who reduced well count and increased vertical separation. Cimarex moved from a 40 foot stagger to a single clastic landing and now targets the A at 200 to 250' of vertical separation at places like the Red Hills 32-5 and Red Hills Unit 33-4 Wells (Section 32, Township 24 South, Range 32 East and Section 33, Township 25 South, Range 32 East) where both benches exist at 9 wells per section or as a single clastic landing at the Dos Equis 12-13 Wells (Sections 12 and 13, Township 24 South, Range 32 East), 6 wells per section where carbonate has made the Middle A non-prospective. The 3rd Bone Spring Sand and Wolfcamp stagger combined with 8 wells per 1280 acres, the well count proposed by Permian, looks more like a 2018 test in both well count and vertical drainage assumptions than a 2023 development plan informed by studies like HFTS2 and all the production results from significant development within Lea County.
- 15. South Lea county is complex across the entire area with flow units changing drastically over several miles. Cimarex's aggregate experience in Lea County is important because it is actually harder to optimally develop properties in the Southern part of Lea County, where most of Cimarex's Lea county activity has been the last 5 years. This is due to the fact that there are more landing zones with unclear boundaries due to multiple non laterally continuous thin carbonates and

much more variation in rock quality within individual landing zones due to increased distance from sediment source. The Subject Lands are the closest thing to conventional formations in Lea County and Cimarex's experience in the County and all the lessons learned in tighter rock on spacing and vertical separation will be even more important in a region of higher porosity, higher vertical continuity, higher permeability, and more defined frac baffles and barriers, especially when paired with the ability to complete wells with higher net fracture pressure (bigger frac height/half-length at same surface pressure).

Exhibit D-3 3rd Bone Spring Sand is the Established Single Bench Target at 4 Wells Per Section Within the Area of Interest

- 16. **Exhibit D-3** consists of a map of approximately 42,650 acres in the AOI that includes the Subject Lands. This Exhibit compares the development of the 3rd Bone Spring Sand (left AOI map) and the Wolfcamp (right AOI map). The laterals of the Cimarex operated wells are highlighted in yellow. The lands controlled by Cimarex are marked by yellow boundary lines.
- 17. In the AOI, there are little or no indications of any major geomechanical changes/frac baffles in between the 3rd Sand target and Wolfcamp Sands that are the target of Permian Resources' proposed Wolfcamp wells, indicating that these two intervals are most likely one shared reservoir tank.
- 18. Cimarex has substantial experience in developing hydrocarbons in the AOI based on the fact that it has executed 36 wells within the AOI, 15% of all wells. Moreover, we were an early lateral play delineator within the AOI whose results helped drive significant lateral investment in the area.

- 19. This Exhibit, and the data upon which it is based, coupled with Cimarex's experience within the AOI, supports my opinion that the reservoir of hydrocarbons in the AOI is adequately captured with a single landing within the flow unit for the following reasons.
- 20. The map on the left of **Exhibit D-3**, "3rd Bone Spring Sand Producers" shows significant single bench development of the 3rd Sand at four (4) wells per section spacing (WPS).
- 21. The map on the right of **Exhibit D-3**, "Wolfcamp Producers," shows that the Wolfcamp Formation is not primarily targeted in conjunction with 3rd Bone Spring Sand development. Furthermore, as demonstrated by the map on the right, "Wolfcamp Producers," where the Wolfcamp Formation is developed, it is predominantly drilled and developed without the 3rd Sand also being developed.
- 22. Thus, the history of development in the AOI supports my opinion that the reservoir is adequately captured with a single landing in the 3rd Sand within the flow unit.

Exhibit D-4 Well Count by Landing and Operators Proves that the 3rd Sand is the Consensus Landing

- 23. **Exhibit D-4** contains a table that shows the total number of 3rd Sand wells and Wolfcamp wells drilled in the AOI by year and by operator.
- 24. Ninety-seven percent (97%) of wells drilled in the AOI, that is 236 out of 244 wells, are executed as single bench, non-staggered developments. Of the 22 Wolfcamp Wells drilled in the AOI, 14 were drilled as stand along wells, *i.e.*, wells without a 3rd Sand Well, 5 were drilled as a separate bench, and only 3 were drilled in stacks with 3rd Sand Wells.

- 25. This well-established history of development, involving more than \$2 Billion of CapEx¹ by fifteen (15) different operators, proves that it is not just Cimarex's idiosyncratic opinion that the best development plan for the Subject Lands requires a single landing target but rather that this is the consensus shared by all 15 companies active within the AOI, a consensus directly supported by the production data.
- 26. Furthermore, the fact that 222 wells out of 244 total wells within the AOI land in the 3rd Sand supports Cimarex's assessment of the 3rd Sand as the optimum landing.

Exhibits D-5 and D-6 Wine Rack of the Black and Tan Wells and Reference Map Black and Tan 3rd Sand Composite Forecast 6 wells (Before WC completion)

- 27. There is only one development plan within the entire AOI similar to the plan Permian Resources is proposing for its Joker and Bane Wells, the Black and Tan Wells drilled in Section 27, Township 20 South, Range 35 East, located just 2 miles south of the Subject Lands. *See* Exhibit D-3. The development of the Black and Tan Wells was based on similar well drainage assumptions that utilize outdated completion height assumptions that Permian Resources appears to be relying upon.
- 28. Those assumptions include that there are separate benches which a single landing does not access, that in bench spacing drives performance, and that the vertical separation of a 100-feet would not have much impact on production.
- 29. The development of the Black and Tan Wells in Section 27 is best analog to Permian Resources' Joker and Bane Development Plan and is predictive of the likely outcome of Permian Resources' proposal to develop the 3rd Sand and the Wolfcamp as if they are separate and

¹ Assuming that the average cost of the 244 wells was \$8.2MM, the CapEx for all of these wells exceeds \$2 Billion.

equal targets. A summary of the production results is set forth in **Exhibit D-10** below. These results demonstrate substantial underproduction and waste that occurred as a result of the development of the Black and Tan Wells, results that would likely be replicated under Permian Resources' Joker and Bane Development Plan, which is based on the same erroneous underlying assumptions that doomed the Wolfcamp development of Section 27 with the Black and Tan Wells. Cimarex's MG-LG Development Plan would avoid such an outcome.

- 30. **Exhibit D-5** shows the winerack view of the Black and Tan Wells with a reference map. **Exhibit D-6** shows the actual aggregate production from the six 3rd Sand Wells, through May 1, 2019, before the five Wolfcamp Wells were fraced.
- 31. Exhibit D-6 also shows the Forecast as of May 1, 2019, for the future aggregate well performance of the six 3rd Sand Wells, <u>prior to</u> the underlying Wolfcamp development. Significant reserves (that of 2.5MM barrels of oil) and rates (that being 3356 BOPD IP30) were accessed by these 1-mile wells supporting 3rd Sand as a proven landing for optimal production.
- 32. We calculate Recovery Factor as within 1% of slickwater 4 well per section developments despite the drilling of 2 additional wells and would execute this section at 4 wells per section and expect similar results.

Exhibit D-7 Black and Tan 3rd Sand Composite Forecast 6 Wells Post Wolfcamp Frac

33. This Slide shows the Forecast as of May 1, 2023, for the future aggregate well performance of 3rd Bone Spring Sand wells <u>after</u> underlying Wolfcamp development. Unfavorable results included elevated water cut, rapid Gas-to-Oil Ratio Incline, and steep oil decline, all of which are signatures of interference between the five Wolfcamp wells drilled below these six 3rd Sand wells. After the Wolfcamp wells were drilled and produced, overall reserves appear to have

fallen to 1.63 MM barrels of oil with a steep decline profile. These facts prove the degradation a 2nd landing causes within the AOI on the 3rd Bone Spring Sand.

Exhibit D-8 Black and Tan Wolfcamp Composite Forecast 5 wells

34. This plot shows the aggregate performance and forecast for the five Wolfcamp wells completed below the six 3rd Sand wells shown on exhibits **D-5**, **D-6** and **D-7**. Data clearly shows that vertical interference occurs in staggered developments, causing these 5 wells to add only 885MBO oil reserves and 500 BOPD IP in the aggregate. Elevated water cut and rapid GOR incline are evidence of interference with 3rd sand wells above.

Exhibit D-9 Lessons Learned from the Black and Tan Development

that only a negligible rate and a negligible amount of EUR were detectible from drilling the five extra, not to mention expensive, Wolfcamp wells. It is noteworthy and significant how little benefit the five wells added and how much they negatively impacted 3rd sand production. The aggregate rate change is so small it is essentially zero (0) which does not support or justify as effective capital stewardship the drilling of the 8 additional \$11MM dollar wells proposed by Permian Resources. Table 1.1 shows the pore space distribution, 3rd Sand has 268% more PHIH than the upper Wolfcamp and is clearly the predominant contributing reservoir. The hypothesis that landing in 3rd Sand with 268% more porosity and height combined with better flow properties is the best way to access all the bbls becomes unarguable with production data from Black And Tan where the addition of Wolfcamp landings added no reserves and only negatively impacted the 3rd Sand raising aggregate section OpEx. The lesson learned from this data is that drilling into the Upper Wolfcamp itself is financially wasteful and jeopardizes optimal 3rd Sand production. A setback

from 3rd sand is in the best interest of efficient low risk recovery of the area reserves in this single landing target.

Exhibit D-10 Diagram of Staggered Landing Wolfcamp 3rd SS Vs. 3rd SS Flat

This exhibit shows what Cimarex believes happened in the Black and Tan analog 36. example which reflects the nature of Permian Resources' proposal and therefore Permian's likely outcome. The Majority of Stimulated Rock Volume accessed by 3rd Sand well's landed flat must be very similar to the Stimulated rock volume accessed by staggered Wolfcamp and 3rd landings. If this were not true, the sum of Wolfcamp and 3rd sand production out of the Black and Tan development would be significantly higher once the 2nd bench was added instead of about the same. Where appropriate geologically, Cimarex executes as many as 9 landings within the same section in Lea County. Due to the location of barriers and target reservoir height executing two landings within the contested acreage in the 3^{rd} Sand Wolfcamp target or the lower 2^{nd} Sand 3^{rd} Shale target serves only to double development CapEx. Cimarex has proprietary data from South Lea County developments in thicker more heterogeneous pay that support the accuracy of how we have assessed the vertical interference and is confident additional landings serve only to dilute sweet spot landing production. Not everyone has access to the same data but there is a wealth of public data available from the Hydraulic Fracture Test Site 2 DOE and industry partnership that would lead to the same conclusion.

Exhibit D-11 Black and Tan Analog comparison to MP/LG

37. Loosey Goosey and Mighty Pheasant have a similar pore space distribution as the Black and Tan Development with slightly higher porosity. The extra porosity is more likely to correlate to better permeability and allow a single landing to capture proven 3rd sand reserves even

more efficiently. Sensitivities run vs. reserves (Table 1.3) and Highside expectations (Table 1.4) show the PV 10 degradation and how much uplift would be needed to break even on the additional wells proposed by Permian. Given Black and Tan's added negligible bbls and rate, close to 0%, in similar rock two miles away, the public data simply does not support the 30% to 40% EUR and rate improvement needed to even break even on the extra incremental CapEx proposed by Permian resources well count. The recovery factor needed to payout the additional wells proposed is unrealistic in my opinion based on the Analog results. Furthermore, due to optimum well count Cimarex's plan is self-funding with payout in < 1 year. This is important for follow up benches that Cimarex will be able to rapidly develop out of lease cashflow, whereas Permian resources would require debt to fund an annual drilling program and would be significantly more exposed to commodity pricing jeopardizing timely development of subsequent benches if they go from 5 wells per section to 8 wells per section.

Exhibit D-12 Landing Zone Matters; Five Years Ago, Cimarex's Perry Test Confirmed 3rd SS Landing as Best Target

38. Cimarex confirmed 3rd Sand as best landing zone 5 years ago in 2018 with the Perry 4H 1 mile South of the contested acreage block. Over the life of the well, we see the old conventional 3rd Sand landing outperform other landings. Fracs evolved over time to modern slick water completions. Today most companies pump between 2000#/ft and 3000#/ft and 38 bbl/ft up to 60 bbl/ft with 6 to 14 clusters per stage depending on the target. It is highly unusual for a legacy frac, that is, one more conventional (i.e., <2016 with low cluster count, long stages, and unfocused frac energy), to better access reservoir than a modern frac (>2016 vintage with high cluster count, short stages, very focused frac energy). The best explanation for 478#/ft 3rd Sand frac outperforming 5 to 6 times the frac energy pumped in the Wolfcamp test well is that the vast

majority of oil reserves and best rock fabric flow properties are located within the 3rd Sand, and not in the Upper Wolfcamp. Thus, drilling into the Upper Wolfcamp is a waste of resources.

39. The dataset that identifies all the wells in the Area of Interest that I used in my analysis and that played a role in my conclusions is attached hereto as **Exhibit D-24**.

Exhibit D-13 Verna Rae Frac Test

40. The Verna Rae wells are a frac test and a poor analog for a full development. In my opinion, the 6827#/ft and 129 bbls/ft of frac energy is draining significantly more bbls than the 160-acre proration unit and appears to interfere with the 133H. Full developments are better to use for EUR and spacing because well half lengths are constrained which prevents both over estimating program development performance and section EUR's. I do not recommend offsetting the Verna Rae wells at double proven density as a good investment of CapEx because 3 times a modern slick waters frac energy was concentrated immediately adjacent to the subject lands.

Exhibits D-14 1280-Scale Project Cum. Oil/ft vs. Days

- 41. **Exhibit D-14** shows multiple developments executed at various Wells Per Section ("WPS"). The Y axis shows project cum/ft normalized to a full section development. For example, the ESTE WH Minis are 2 wells drilled at 4 WPS. Production from these wells is multiplied by 2 so production from these wells can be readily compared to full section projects. The Este EH Minis are 4 wells drilled at 8 WPS in the East Half and are multiplied by 8 to easily compare them to full section projects.
- 42. This simple plot provides a good check for Reserves vs. Acceleration. Acceleration occurs when a project is outperforming other projects during its early life, the first year for example, only to roll over with more production time to point towards the same ultimate

cumulative recovery. Understanding if production is additional reserves or merely acceleration of production is very important in places like New Mexico that offer decades of drilling opportunity with finite localized takeaway. Our Lea County team's definition of optimum development is a well count that accesses the economic bbls, rather than drill a 5th well to potentially accelerate bbls that appear to already be accessed by 4 wells we would deploy that capital in an additional landing within the project to add additional reserves with that capital or even de-risk a less tested landing for the area to replenish inventory. When Cimarex executes this approach across its Lea County acreage at portfolio level it allows Cimarex to drill additional projects with entire landing zones fully developed at an accelerated pace as opposed to executing less acres and benches at a denser well count that degrades stakeholders' returns and decreases aggregate royalty payments in the County.

- 43. The Reed and Stevens North Lea 3 (shown on Exhibit D-13) is an example where the long-term reserves captured by 4 WPS is very similar to denser projects. Cimarex is proposing this same spacing with all wells executed with a modern slickwater frac, produced on ESP with appropriate gas separation down hole, and then combined with adequate takeaway. It is my opinion that Cimarex's proposal will deliver a top performer as compared to all developments shown in Exhibit D-13, including the Batman E/2 and Batman W/2, with respect to the economics, *i.e.*, a greater return on investment and in terms of EUR.
 - 44. The key takeaways from **Exhibit D-14** are that:
 - Over time, 4 WPS developments catch up to denser spaced projects in production indicating that higher early-life production from denser developments is primarily attributable to acceleration;
 - COG's Little Bear project is a dense Wolfcamp only landing, full development that underperforms, similar to the Black and Tan Wolfcamp, supporting Cimarex's proposed 3rd Sand landing; and

- Drilling Wolfcamp wells appears damaging to 3rd SS project at Black and Tan. The Wolfcamp wells appear to have added at most 30 bbl/ft reserves after 1,000 days which is, more or less, equivalent to slope of 3rd Sand prior to completion.
- 45. The early results for the 5 WPS Batman project looks good and the spacing is within 1 well of Cimarex's proposed 4 WPS, as opposed to Permian Resources' proposed 8 WPS for the 3rd Sand and Wolfcamp. However, it is too early to assess success or failure of the 5 WPS Batman project. Each of the Batman projects need to Cum approximately 125 bbl/ft out of the DSU to be able to make firm EURs. I would be more confident assessing the success or failure of this project after the Batman wells have had ESP's installed and several months of decline are evident. My expectation is that the ESP install will peak the differences between the two half sections and that over time differences between the two half section developments will decrease similar to what has been seen on other developments as spacing impacts materialize in production. I am not sure the East half 3rd sand wells drilled at 4 wells per section have fully cleaned up yet and if they have not, it will adversely affect production from the Batman wells.

Exhibit D-15 Average Per-Well Cum. Oil/ft vs Days, 2-Year Zoom

- 46. **Exhibit D-15** shows the average well performance in Bo/ft vs. Time zoomed into a 2-year period. This is a simple capital efficiency plot with the most capitally efficient early time wells plotting at the top and less capitally efficient wells plotting at the bottom. It is noteworthy that the best wells are either 4 WPS developments or flowed by EOG which, in my opinion, is one of the best operators in Lea County at aggressive drawdown / acceleration of their developments.
 - 47. The main take aways from **Exhibit D-15** are that:
 - Denser spaced developments underperform looser spaced developments to the point that drilling past 4 WPS appears to be a waste of capital;

- The Della project drilled by EOG takes longer to show degradation, most likely due to aggressive drawdown common on EOG's developments; and
- In aggregate 3rd Sand is the best way to develop from production results.

Exhibit D-16 1280-Scale Project Oil Rate/ft vs cum Oil/ft

- 48. **Exhibit D-16** shows Rate/ft vs. Cum/ft for multiple projects executed within the subject lands. This plot is useful for comparing developments that may be flowed differently. For example, if an operator is flowing a well constrained by takeaway they will plot low on the y axis but stay flat for a long time on the X axis. Alternatively, if a development is flowed without constraints it will peak very high on the y axis but quickly go on decline. On this Exhibit, the data past 125 cum oil/ft out of the development is most important with shallower declines equating to larger EURs and steeper declined equating to lower EURs. The 4 WPS Reed & Stevens project is an example where significant bbls were contacted and could have been produced more efficiently by some combination of frac, drawdown, and takeaway capacity.
 - 49. The main take aways from **Exhibit D-16** are that:
 - More time is needed on the Batman wells to gauge performance, post ESP install decline at 100 to 150 cum/ft will be a meaningful data point; and
 - In aggregate 3rd sand developments have a shallower slope than Wolfcamp developments and will enjoy ultimate higher EURs.

Exhibit D-17 Batman East Half vs. Batman West Half

50. **Exhibit D-17** illustrates that there is a significant shift in GOR and Watercut on day 8 in the Batman development. Based on the limited days of production, as a Reservoir Engineer I am unable to determine whether these results evidence a long-term trend or whether these results are being driven by (1) allocation with oil carryover on the East Half 4 WPS development; or (2) water carry over on the West Half 6 WPS development; or (3) if this is an

early time issue that will be resolved by ESP install in the coming weeks, or (4) some combination thereof. These unanswerable questions further undercut any reliance a Reservoir Engineer can place on production from the Batman wells at this early juncture.

Exhibit D-18 Capital Expenditure Comparison between Cimarex's Goosey-Pheasant Plan vs. Permian Resources Bane-Joker Plan

- 51. **Exhibit D-18** contains two tables comparing the capital expenditures for Cimarex's Loosey Goosey and Mighty Pheasant wells and the additional wells that it plans to develop in the future in Sections 4, 5, 8, and 9² versus the capital expenditures for Permian Resources' Bane and Joker Wells³. These tables establish that:
 - a) Permian Resources proposes to spend \$92.7 Million more in capital expenditures than Cimarex to develop each of its Plans by drilling an additional four (4) wells in the 3rd Bone Spring Sand and four (4) wells in the Upper Wolfcamp under each of its Plans;
 - b) In each of its Plans, Permian Resources proposes to spend \$11 Million on a fourth well in the Upper 2nd Sand well compared to Cimarex's plan for three Upper 2nd Sand wells; and
 - c) Due to Permian Resources' higher per well AFEs, Permian Resources will spend \$31.6 Million more than Cimarex (using Cimarex's updated August 2023 cost estimates) in each of it Plans to drill 4 wells in the 1st Sand, 2nd Sand, and 3rd Sand and three wells in the upper 2nd Sand (\$166,181,956 versus \$134,593,047).

² There are two columns for AFE CapEx amounts for Mighty Pheasant Wells 204H, 301H, 302H, 303H, and 304H, and for the additional wells that Cimarex plans for Sections 5 and 8. The first column sets forth estimated costs as of August 25, 2022, when Cimarex sent out its election letters to working interest owners for the Mighty Pheasant Wells. The second column sets forth the estimated costs for these wells updated to reflect June 2023 costs, which were provided to me by John Coffman.

³ The AFE CapEx amounts for the Bane and Joker Wells are based on the AFEs that Permian Resources included in the package sent to working interest owners with the election letters dated March 17, 2023.

- 52. In sum, if the Division grants Permian Resources' development plan for its Bane and Joker Wells, Permian Resources will spend \$135,352,717 more than Cimarex to develop Sections 4 and 9 (Bane vs. Loosey Goosey) and will spend \$135,352,717 more than Cimarex to develop Sections 5 and 8 (Joker vs. Mighty Pheasant).
- 53. As set forth herein, the excessive capital expenditures will not result in increased production justifying the expense. Such a result constitutes financial waste that unnecessarily burdens, undermines, and harms the correlative rights of all working interest owners.

Exhibit D-19 NPV-10 Comparison Between Goosey-Pheasant and Bane-Joker

- 54. **Exhibit D-19** contains two tables that set forth the present value of the estimated future oil and gas revenues, reduced by direct expenses and discounted at an annual rate of 10% (PV-10), net of all burdens (NPV-10). The first table shows the NPV-10 for Permian Resources' Joker and Bane Wells and the second table shows the NPV-10 for Cimarex's Might Pheasant and Loosey Goosey Wells.
- 55. The NPV-10 calculations are based on the June 2023 Strip West Texas Intermediate prices and assume that the NRI is 80% and that the technical EUR accessed is 9,336MMbo across the DSU's similar to Black and Tan 3rd sand development with ~560Mbo of negative impact from offset depletion. The after-tax rate of return (ATax ROR%) assumes a 22.6543% tax on profits.
- 56. The NPV-10 comparison shows that the NPV-10 for Permian Resources' Joker-Bane Plan shows a \$32 Million return on CapEx and an after-tax Rate of Return of 21%, while Cimarex's Goosey-Pheasant Plan shows a \$115 Million on CapEx and an after-tax Rate of Return of 149%.

first row is 1:1 and the last row is 1:8.

Exhibit D-20 Comparison of 3rd Sand Flat Cimarex Plan vs. Wolfcamp Stagger Permian Plan

57. **Exhibit D-20** contains a table that compares the PV-10 under Permian Resources' plan to drill eight 3rd Sand wells and four Wolfcamp wells in each of its two development proposals (Bane-Joker) versus the PV-10 under Cimarex's plan to drill four 3rd Sand Wells in each of its two development proposals (Goosey-Pheasant). The PV-10 calculations are based on the same assumptions used in Exhibit D-18. The Table is controlled to determine the change in PV-10 based

on the ratio of ownership of Bone Spring net acres versus Wolfcamp net acres. The ratio in the

58. The purpose of this Exhibit is to demonstrate that working interest owners will enjoy a significant benefit under Cimarex's planned developments even if their interest in the Wolfcamp formation is five times greater than in the Bone Spring. At a 1:6 ratio, Bone Spring to Wolfcamp, the working interest owner would still enjoy a \$1,246 PV-10 per 1 net acre of Bone Spring working interest advantage under Cimarex's proposal.

Exhibit D-21 MRC Permian – PV-10 Comparison Mighty Pheasant versus Joker

- 59. **Exhibit D-21** focuses on MRC Permian, which has the highest ratio of Bone Spring to Wolfcamp ownership, 1:3.0088, in Sections 5 and 8, Cimarex's Mighty Pheasant Plan, versus Permian Resources' Joker Plan.
- 60. The Table on **Exhibit D-21** shows that under Permian Resources' Joker Plan, MRC Permian's PV-10 is \$25,193/acre versus \$45,237/acre under Cimarex's Might Pheasant Plan. In other words, despite the fact that MRC Permian's interest in the Wolfcamp is a little more than 3 times its interest in the Bone Spring, MRC Permian would enjoy a PV-10 of \$20,044/acre more

under the Mighty Pheasant per each net acre that it owns in the Bone Spring as compared to Permian Resources' Joker Plan.

Exhibit D-22 HOG Partners – PV-10 Comparison Loosey Goosey vs. Bane

- 61. **Exhibit D-22** focuses on HOG Partnership LP, which has the highest ratio of Bone Spring to Wolfcamp ownership, 1:1.37, in Sections 4 and 9, Cimarex's Loosey Goosey Plan, versus Permian Resources' Bane Plan.
- 62. The Table on **Exhibit D-22** shows that under Permian Resources' Bane Plan, HOG Partnership's PV-10 is \$14,894/acre versus \$45,237/acre under Cimarex's Loosey Goosey Plan. In other words, despite the fact HOG Partnership's interest in the Wolfcamp is 37% higher than its interest in the Bone Spring, HOG Partnership would enjoy a PV-10 of \$30,343/acre more under the Mighty Pheasant per each net acre that it owns in the Bone Spring as compared to Permian Resources' Bane Plan.

Exhibit D-23 Ownership Ratios and Depth Severances

- 63. **Exhibit D-23** contains two tables. The table on the left, "Ownership Loosey Goosey/Bane," lists all of the working interest owners in Sections 4 and 9, showing their respective working interests in the Bone Spring and in the Wolfcamp, as well as their WC/BS ownership ratio.
- 64. The Loosey Goosey/Bane Table shows that the only working interest owner in Sections 4 and 9 that owns a greater interest in the Wolfcamp than it owns in the Bone Spring is HOG Partnership LP. As shown in **Exhibit D-23**, HOG Partnership LP would enjoy a much better outcome under the Loosey Goosey Plan despite the fact that it has a greater working interest in the Wolfcamp than it does in the Bone Spring.

- 65. The table on the right, "Ownership Mighty Pheasant/Joker," lists all of the working interest owners in Sections 5 and 8, showing their respective working interests in the Bone Spring and in the Wolfcamp, as well as their WC/BS ownership ratio.
- 66. The Mighty Pheasant/Joker Table shows that there are a number of working interest owners in Sections 5 and 8 that own a greater interest in the Wolfcamp than the Bone Spring, with MRC Permian having the largest ratio, 1:3009 (rounded up from 1:30088). As shown in Exhibit D-20, MRC Permian would enjoy a much better outcome under the Loosey Goosey Plan despite the fact that it owns more than 3 times an interest in the Wolfcamp than it does in the Bone Spring.
- 67. The purpose of **Exhibit D-23**, as well as **Exhibits D-18 through D-22**, is to demonstrate that Cimarex's Loosey Goosey and Mighty Pheasant Plans protect the correlative rights of all working interest owners since they will enjoy a much greater economic benefit under Cimarex's plans than under Permian Resources' plan and, conversely, Permian Resources' plans do not protect the correlative rights of the working interest owners in Sections 4, 5, 8, and 9 since their economic return on investment will be crushed under the weight of Permian Resources' excessive capital expenditures that do not increase the EURs.
- 68. The Exhibits to this Self-Affirmed Statement were prepared by me or compiled from Cimarex's company business records under my supervision and/or aproval.
- 69. As explained by the foregoing, the granting of Cimarex's Applications are in the best interests of conservation, the prevention of waste, and the protection of correlative rights.
 - 70. The foregoing is correct and complete to the best of my knowledge and belief.

Self-Affirmed Signature on following page.

Self-Affirmed Statement of Eddie Behm:

I understand that this Self-Affirmed Statement will be used as written testimony before the Division in Case Nos. 23448-23455 and 23594-23601 and affirm that my testimony herein is true and correct, to the best of my knowledge and belief and made under penalty of perjury under the laws of the State of New Mexico.

From: Eddie Behm Eddie.Behm@coterra.com Subject: Signing my statement by Email 8/2/2023

Date: August 2, 2023 at 2:17 PM
To: Bill Zimsky bill@abadieschill.com



I understand that this Self-Affirmed Statement will be used as written testimony before the Division in Case Nos. 23448-23455 and 23594-23601 and affirm that my testimony herein is true and correct, to the best of my knowledge and belief and made under penalty of perjury under the laws of the State of New Mexico.

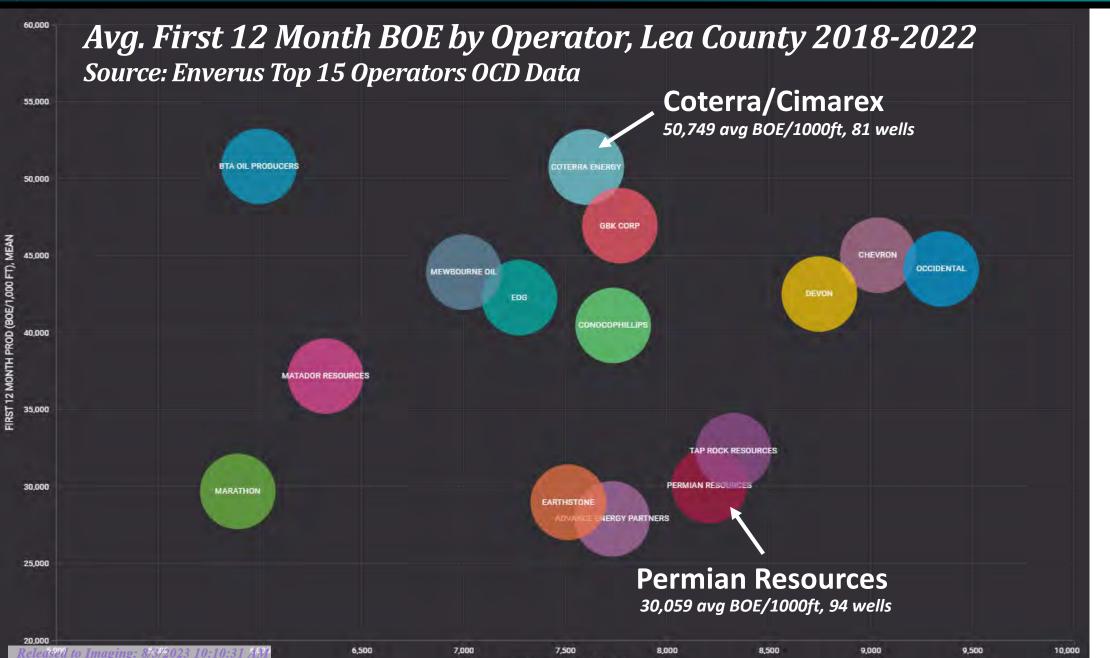
I am signing my self-affirmed statement by this email on August 2nd 2023

Eddie Behm

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.



Cimarex is a Play Leader in Lea County (Avg 12 Month Cum BOE / 1000ft)



LATERAL LENGTH (FT). MEAN

Exhibit D-1



Cimarex is a Play Leader in Lea County (Avg 12 Month Cum Oil BBl/ 1000ft)

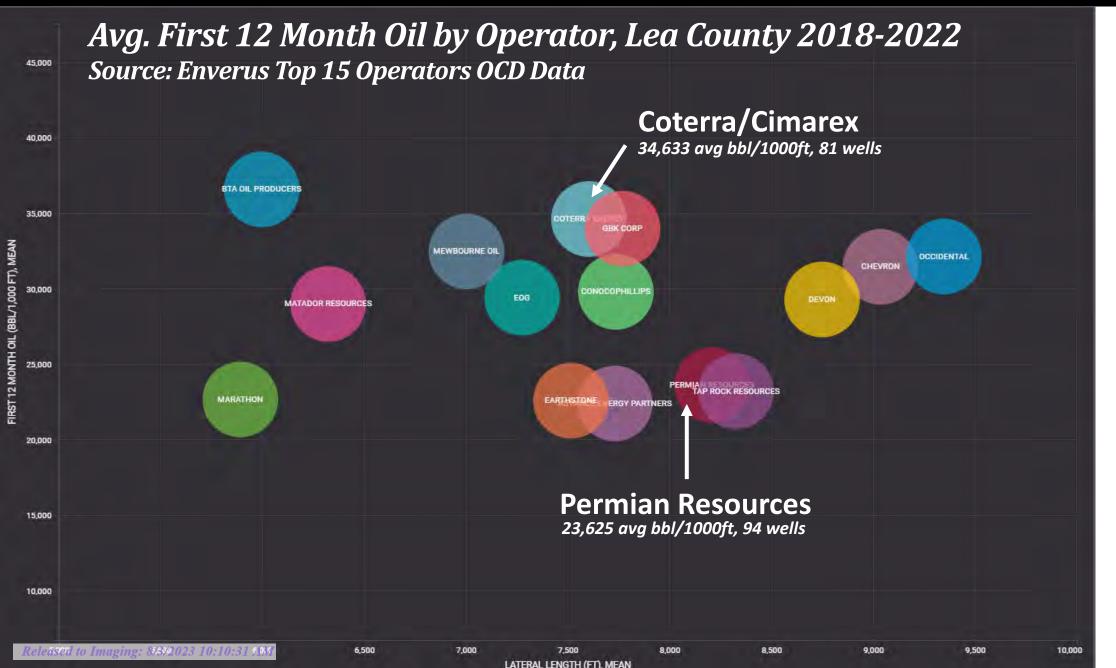


Exhibit D-2

** 3rd Bone Spring Sand is the Established Single Bench Target at 4 WPS within AOP

42,650 acres developed with more than 1 well, all but one development, 98.5% of sections similar to Cimarex proposal

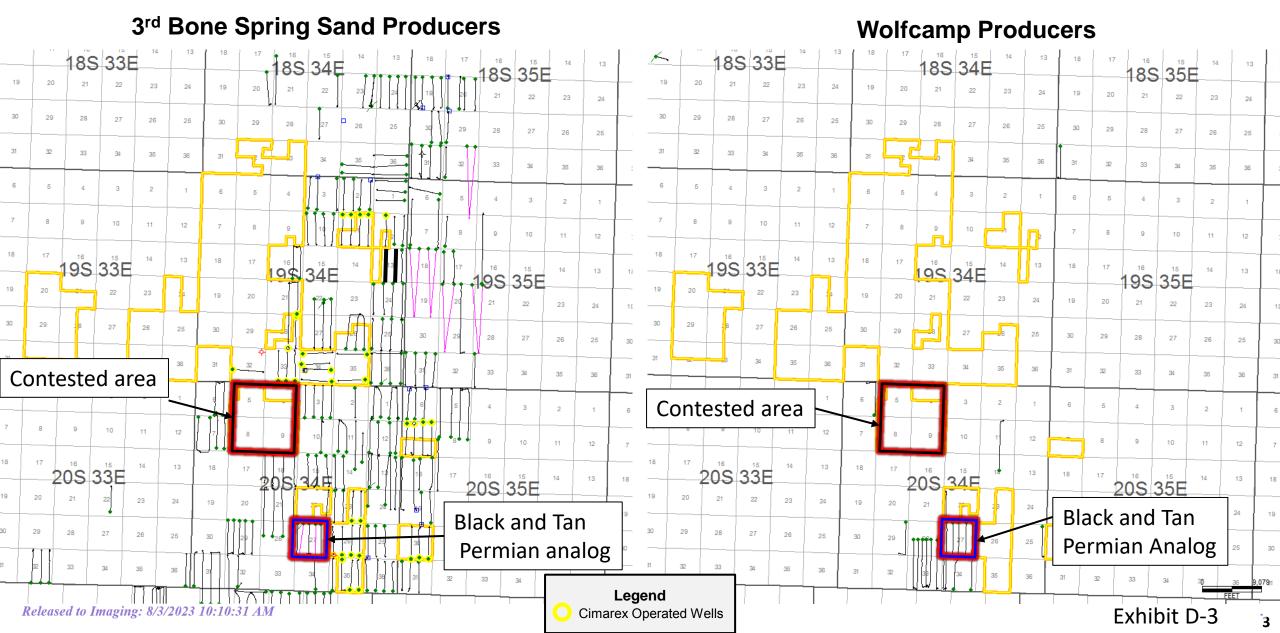
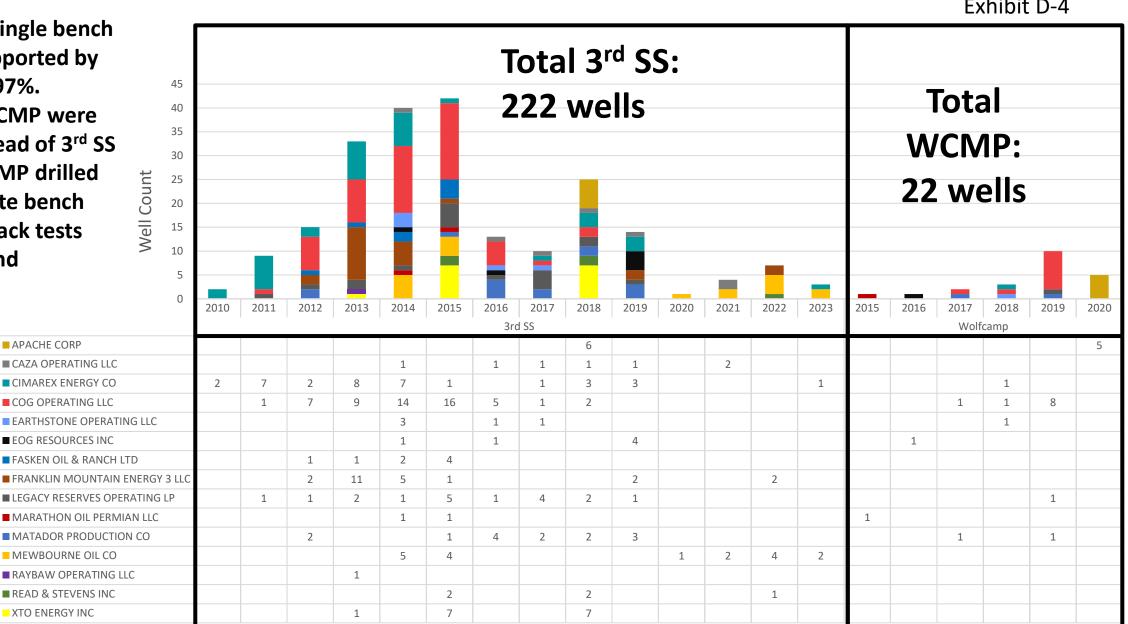


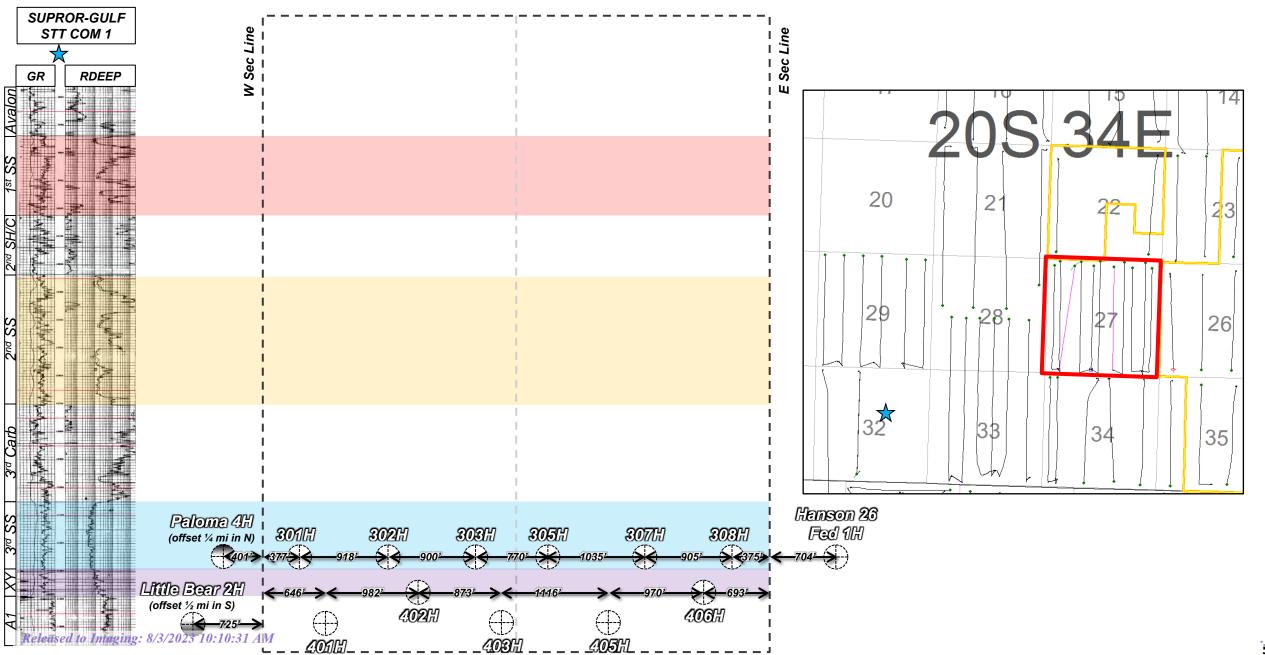
Exhibit D-4

- 3rd Sand / single bench landing supported by 236 wells, 97%.
- 14 of 22 WCMP were drilled instead of 3rd SS
- 5 of 22 WCMP drilled as a separate bench
- 3 WCMP stack tests with 3rd Sand

APACHE CORP

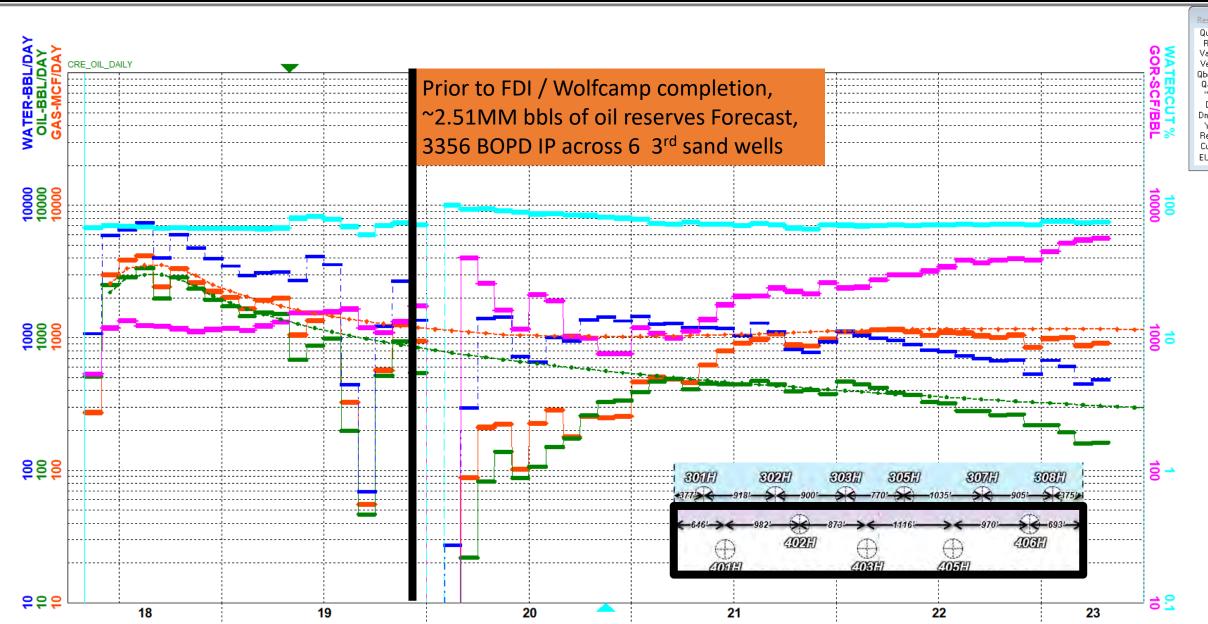


XTO ENERGY INC





Black and Tan 3rd Sand Composite Forecast 6 Wells (Before WC completion)



5/1/2019

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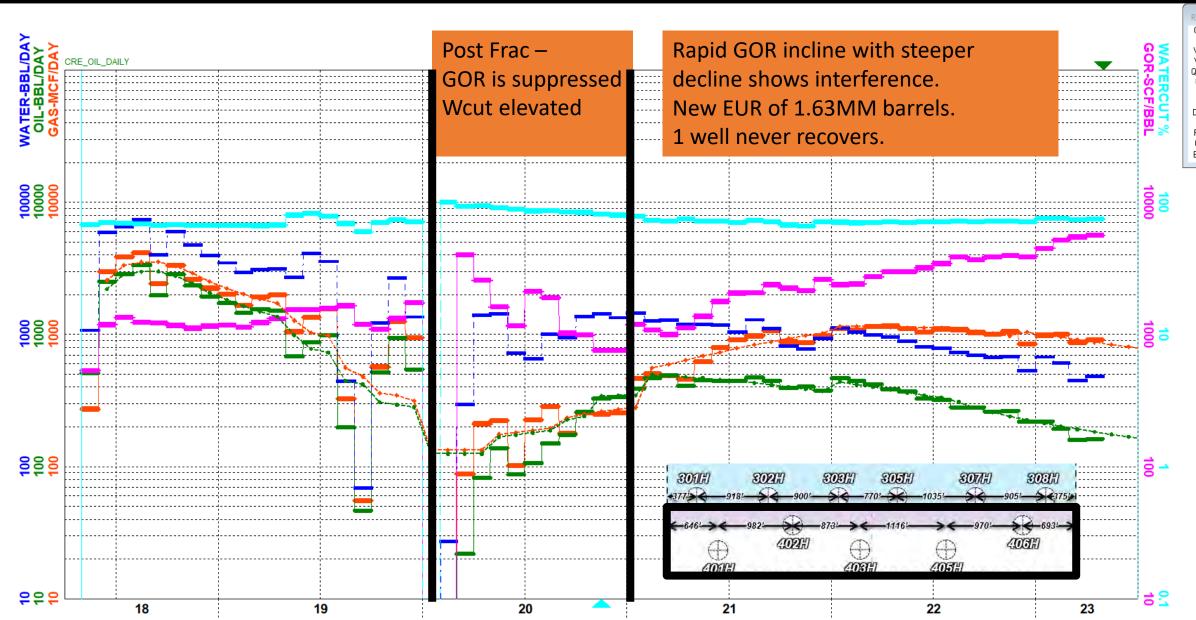


Black and Tan 3rd Sand Composite Forecast 6 Wells Post Wolfcamp Frac

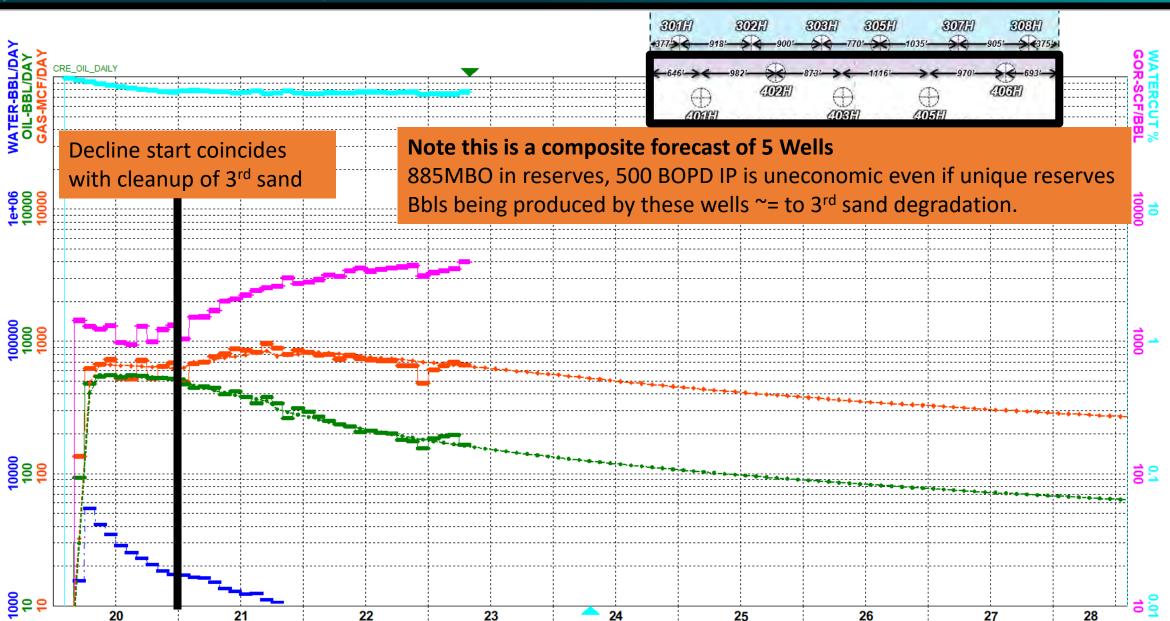


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5/1/2023 0.000 158.504



Ē ▶ PROJECT = Black & Tan 27	
🔥 30025461240000 BLACK & TAN 27 FEDERAL COM #405H BLACK & TAN 27 FEDERAL COM WOLFCAMP A APACHE CORP LEA 4583 09/01/2019 02/26/2020 0EF33AE781	
→ 30025460720000 BLACK & TAN 27 FEDERAL COM #401H BLACK & TAN 27 FEDERAL COM WOLFCAMP A APACHE CORP LEA 4666 10/19/2019 01/22/2020 AFD8F0925C	Completed 2nd
→ 30025460730000 BLACK & TAN 27 FEDERAL COM #402H BLACK & TAN 27 FEDERAL COM WOLFCAMP SANDS XY SAND APACHE CORP LEA 4561 08/17/2019 02/26/2020 B4C53386	
→ 30025461230000 BLACK & TAN 27 FEDERAL COM #403H BLACK & TAN 27 FEDERAL COM WOLFCAMP SANDS XY SAND APACHE CORP LEA 4629 09/08/2019 02/26/2020 607292AC	
→ 30025460750000 BLACK & TAN 27 FEDERAL COM #406H BLACK & TAN 27 FEDERAL COM WOLFCAMP SANDS XY SAND APACHE CORP LEA 4694 09/29/2019 02/26/2020 F44F25453	
→ 30025440180000 BLACK & TAN 27 FEDERAL COM #302H BLACK & TAN 27 FEDERAL COM 3RD BONE SPRING SAND APACHE CORP LEA 4416 12/11/2017 06/01/2018 163AC020E2	
→ 30025440170000 BLACK & TAN 27 FEDERAL COM #301H BLACK & TAN 27 FEDERAL COM 3RD BONE SPRING SAND APACHE CORP LEA 4526 11/15/2017 06/01/2018 40288A1B23	
- ♦ 30025439210100 BLACK & TAN 27 FEDERAL COM #303H BLACK & TAN 27 FEDERAL COM 3RD BONE SPRING SAND APACHE CORP LEA 4360 10/24/2017 05/18/2018 748D250B4E	Constant
- ♦ 30025439400000 BLACK & TAN 27 FEDERAL COM #305H BLACK & TAN 27 FEDERAL COM 3RD BONE SPRING SAND APACHE CORP LEA 4524 03/17/2018 05/23/2018 A635466B07	Completed 1st
→ 30025440440000 BLACK & TAN 27 FEDERAL COM #307H BLACK & TAN 27 FEDERAL COM 3RD BONE SPRING SAND APACHE CORP LEA 4303 01/07/2018 05/16/2018 CF72E02929	
A 20025440450000 LBLACK AND TAN 27 FEDERAL COM #309H LBLACK AND TAN 27 FEDERAL COM L3RD RONE SPRING SAND LAPACHE CORP LEA L4340 L01/30/2018 L05/05/2018 LAZCD 7:	

WC vs. 3rd sand comparison shows stagger is capital waste

- 3rd sand IP is > 6 X Wolfcamp
- Wolfcamp oil rate ~= to 3rd sand rate decrease
- Wolfcamp reserves ~= to 3rd sand EUR decrease
- 5 Wolfcamp wells added ~ 0 additional bbls

Table 1.0 Comparison		3rd Sand		(Wolfcamp - 3rd Sand	
Table 1.0 Comparison of 3rd sand to Wolfcamp	3rd Bone	3rd Bone Post	3rd Sand Delta	Wolfcamp	Delta) = value added
or ard sand to workamp	Spring	frac	3rd Sand Deita		from 5 wells
IP30 BOPD	3,356	NA	NA	555	NA
Pre vs. Post frac oil rate					
BOPD	950	500	-450	+555	105
EUR MMBO	2.51	1.63	-0.88	+0.89	0.01

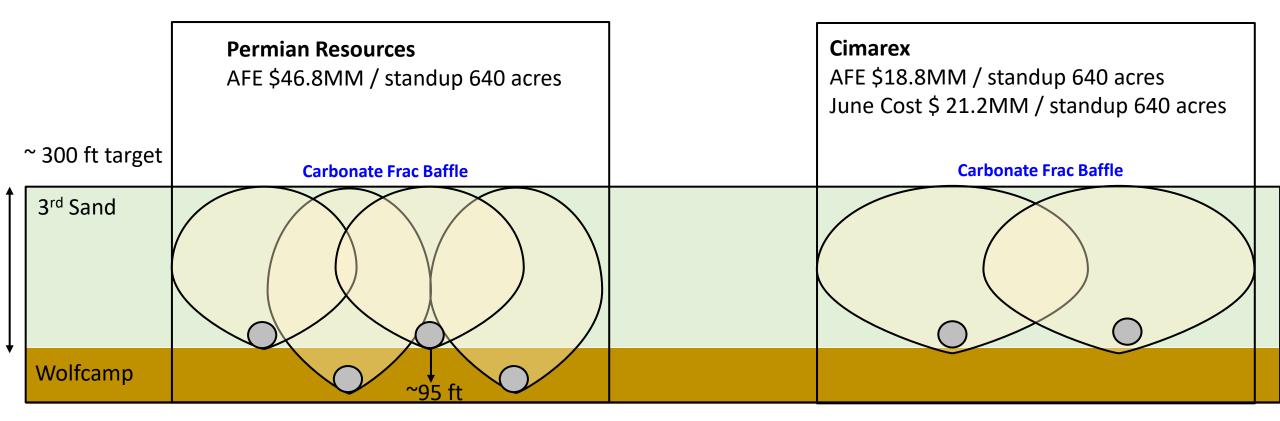
3rd sand is the landing for this single bench target

- 268% Phi H vs. Wolfcamp
- 3rd sand delta compounded by being cleaner with better flow property's than the Wolfcamp

Table 1.1				3rd / Wolfcamp
Analog Comparison	3rd Sand	Wolfcamp	3rd SS % of total	Comparison %
PHIH	26.75	10	72.8	268

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- Cimarex has experience developing as many as 8 landings within a DSU successfully in Lea county with 9th drilling now, 35 to 38 wells / section. The difference is the combination of geology (barriers, reservoir height, and flow units) don't support the proposed staggers at Mighty Pheasant Loosey Goosey as demonstrated by area developments like Black and Tan.
- 3rd and Wolfcamp landed this close together are equivalent to 8 WPS flat in the 3rd Sand, double the AOI proven density.
- A wealth of data from the DOE and industry funded Hydraulic Fracture Test Site 2 supports an upper Wolfcamp buffer zone in this specific location to protect proven 3rd Sand correlative rights and prevent capital waste.

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Table 1.2	Black and Tan			Black and Tan Mighty Pheasant Loosey Goosey		
Analog Comparison	3rd Sand	3rd Sand Wolfcamp 3rd SS % of total		3rd Sand	Wolfcamp 3 rd SS % of tota	
PHIH	22	7	76	27	10	73

- Contested acreage is expected to outperform Black and Tan 2.5MMbo / 640-acre Technical EUR by ~20%
- Over performance driven by improved PHIH of 3rd sand. 27/22 = 122%.
- Sensitivities highlight impact of capital waste given 0% uplift on Black and Tan Wolfcamp 3rd SS analog
 - Table 1.3 Wolfcamp must add ~40% reserves to break even vs Cimarex Development at P90 reserves case
 - Table 1.4 Wolfcamp must add ~31% reserves to break even vs. Cimarex Development at SM business case
 - Neither Table 1.3 or 1.4 increase in performance is reasonable to expect given public data

Table 1.3 Reserves Economic Comparison 10MM Technical EUR DSU								
\$65 flat analy	ysis at Cim	arex WI & NRI	F	Permian		Cimarex		
PV10		Payout months	PV10 \$MM	Payout months				
100%	14,738	8,860	14.7	43	41.8	12		
110% expected	16,212	9,820	21.4	33				
120% expected	17,685	10,780	28.2	26				
130% expected	19,159	11,740	34.9	23				
140% expected	20,633	12,700	41.5	21				

Table 1.4 Development Comparison 12MM Technical EUR DSU								
\$65 flat analysis at Cimarex WI & NRI			F	Permian		Cimarex		
12 MM EUR	PV10		Payout months	PV10	Payout months			
100%	18,897	11,026	34.8	23	61.9	10		
110% expected	20,787	12,987	43.6	20				
120% expected	22,676	14,233	52.3	18				
130% expected Released to Imaging:	0/3/25551	15,480	61	16				
140% expected	26,456	16,727	69.7	15				

- In order to create equivalent PV10, Wolfcamp landings must add ~40% more reserves vs reserves estimate (table 1.3) and 31% more reserves vs. P50 expectation (table 1.4). This outcome is unrealistic vs. observed results.
- Cimarex lower terminal fixed OpEx + less well degradation results in 9.1MM EUR vs. Permian 8.9MM EUR at 100% reserves expectation.
- The Cimarex plan self-funds annual drilling after first batch of wells supporting rapid development
- Permian plan supports slower development speed



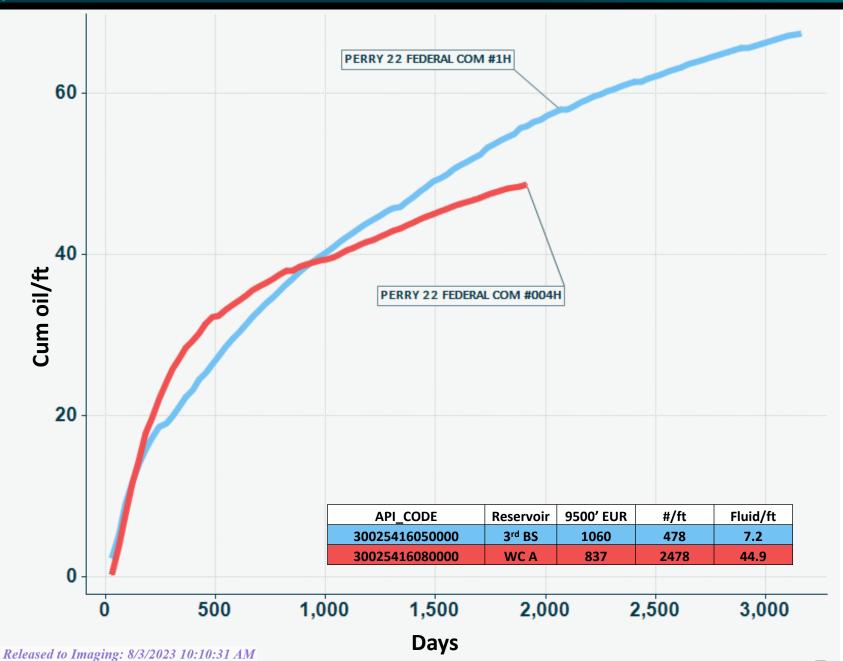
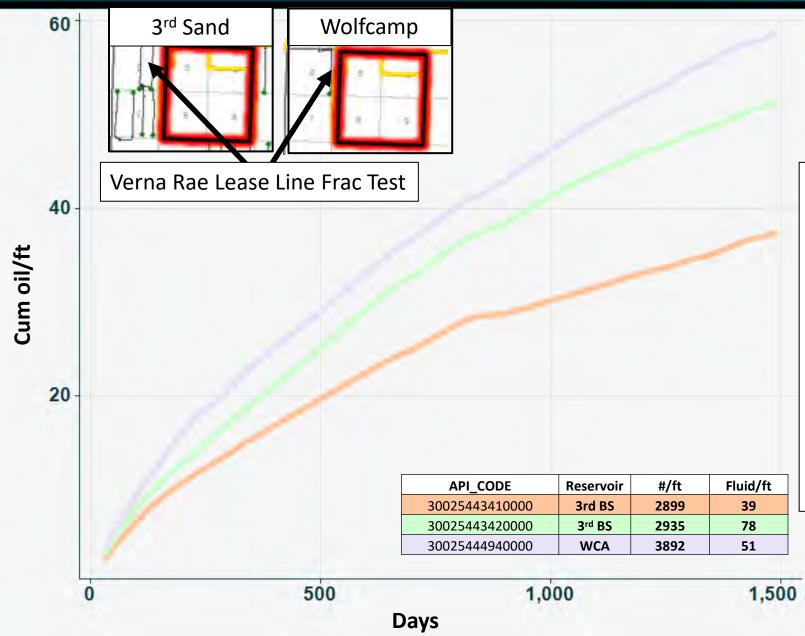


Exhibit D-12 Note: 5 to 6 x the frac energy is not as important as the right landing zone.

- The Perry 1H 2014 vintage 3rd sand well outperforms modern 2018 Perry 4H Wolfcamp completion in the same section at better oil cut 1 mile south of contested development area.
- The best flow properties and majority of bbls are best accessed from the 3rd sand where they are located
- Updated Production to Monthly / Days in Month

Verna Rae Frac Test Section 6 Adjacent to Subject Lands



Key points:

(None) +

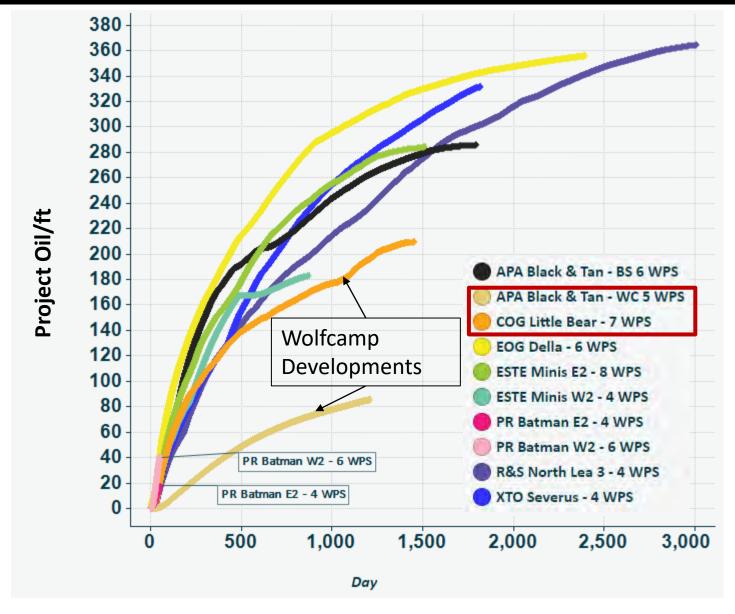
WELL_NAME +) (+)

VERNA RAE FED COM #133H

VERNA RAE FEDERAL COM #134H VERNA RAE FEDERAL COM #204H

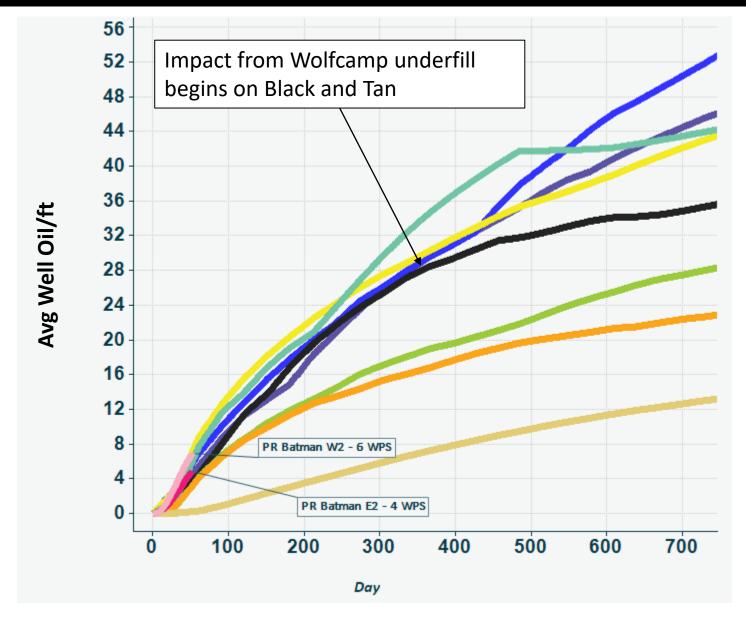
- The Verna Rae 204H is capturing significant 3rd sand bbls due to significantly more energy pumped on this frac test than what is prudent in a full development scenario. Frac Uplift on unbounded Edge wells does not equate to uplift when bounded
- Cimarex uses full developments when available to avoid unreasonable full section bounded development expectations.
- Offsetting these massive frac tests which Lease line Mighty Pheasant / Joker at double proven well density will not outperform Cimarex plan.

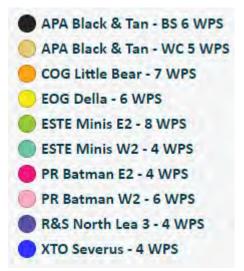




- Key points
- Over time 4 WPS developments catchup to denser projects indicating denser developments are primarily acceleration
- COG little Bear is a dense Wolfcamp only landing full development that underperforms similar to Black and Tan Wolfcamp supporting our proposed 3rd Sand landing
- Batman needs to Cum ~125bbls /ft out of the DSU to get an idea of EURS
- Drilling Wolfcamp looks damaging to 3rd SS project at Black and Tan. WFMP looks to have added at most 30 bbl/ft reserves after 1000 days which is ~equivalent to slope of 3rd sand prior to completion.

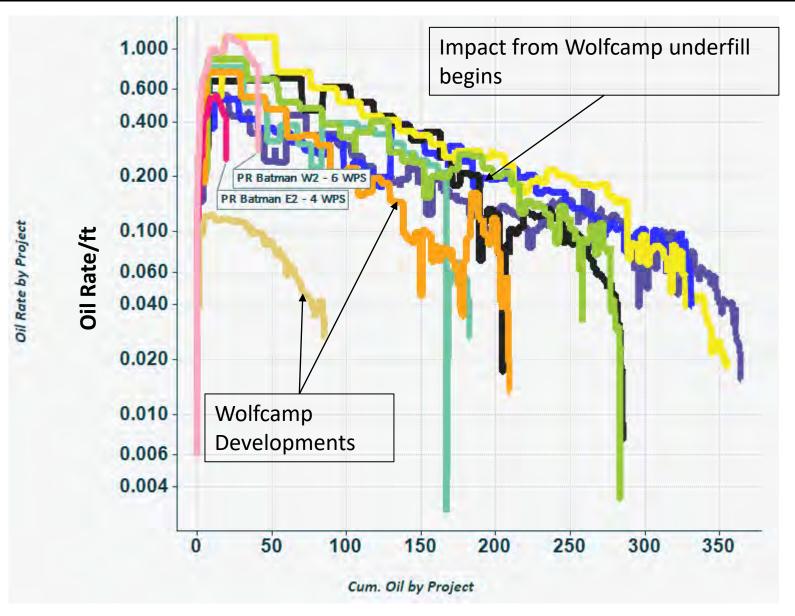






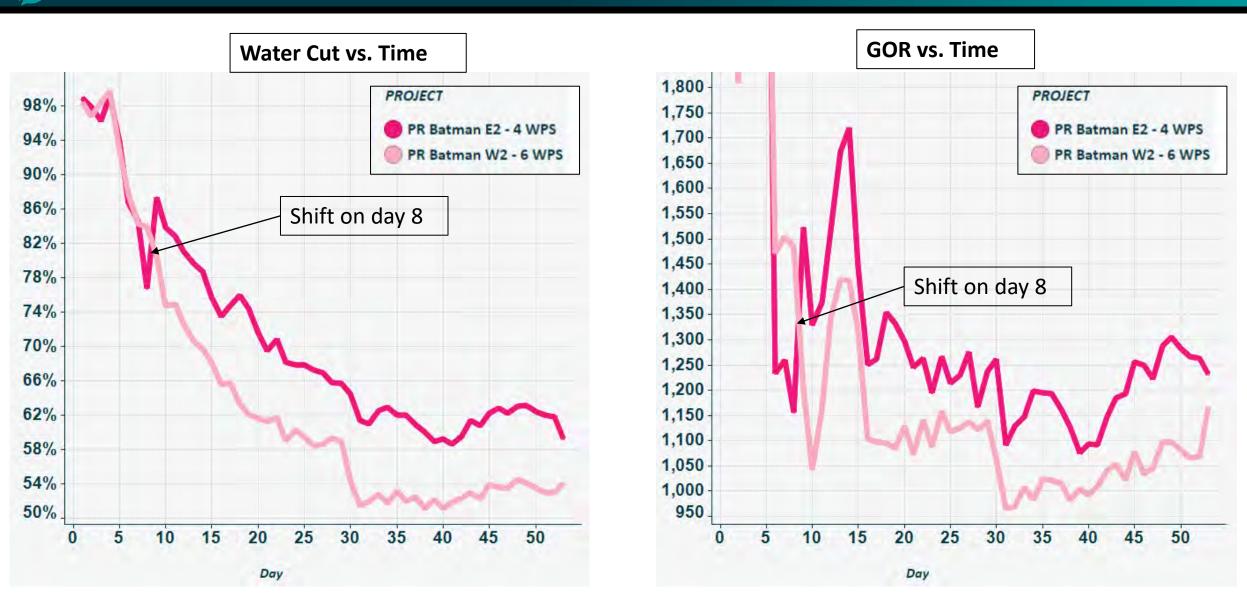
- Key points
- Denser spaced developments underperform looser spaced developments to the point that drilling past 4 WPS appears to be a waste of capital
- The Della project drilled by EOG takes longer to show degradation most likely due to aggressive drawdown common on their developments.
- In aggregate 3rd Sand is the best way to develop from production results







- Key Point
- More time is needed on the Batman wells to gauge performance, post ESP install decline at 100 to 150 cum/ft will be a meaningful data point
- In aggregate 3rd sand developments have a shallower slope than Wolfcamp developments and will enjoy ultimate higher EUR's



Shift in oil allocation on day 8, long-term trend or driven by a hung separator dump or carryover?

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Capital Plan Comparison

Cimarex - Loosey Goosey/Mighty Pheasant							
Res	Well	AFE CapEx	June Current Cost	AFE Bench Total			
1st	101H	\$8,570,695	\$9,651,993				
1st	102H	\$9,450,693	\$9,651,993	626 022 774			
1st	103H	\$9,450,693	\$9,651,993	\$36,922,774			
1st	104H	\$9,450,693	\$9,651,993				
upper 2 ^{nd*}	211H	\$8,570,695	\$9,651,993				
upper 2 ^{nd*}	212H	\$8,570,695	\$9,651,993	\$25,712,085			
upper 2 nd *	213H	\$8,570,695	\$9,651,993				
2nd	201H	\$8,570,695	\$9,651,993				
2nd	202H	\$8,570,695	\$9,651,993	634 303 700			
2nd	203H	\$8,570,695	\$9,651,993	\$34,282,780			
2nd	204H	\$8,570,695	\$9,651,993				
3rd	301H	\$9,428,854	\$10,621,993				
3rd	302H	\$9,428,854	\$10,621,993	627 675 400			
3rd	303H	\$9,408,850	\$10,621,993	\$37,675,408			
3rd	304H	\$9,408,850	\$10,621,993				
Total Gross CapEx		\$134,593,047	\$148,659,895	\$134.593.047			

*Note: we have planned for upper 2nd, acquiring data on 3rd sand wells to confirm adequate flow, saturation, and in place in this ~60-foot target and will execute if viable.

	Permian Resources – Bane/Joker							
Res	Well	AFE CapEx	June Current Cost	AFE Bench Total				
1st	111H	\$10,724,193						
1st	112H	\$10,724,193		¢42 006 772				
1st	113H	\$10,724,193		\$42,896,772				
1st	114H	\$10,724,193						
uppr 2nd	122H	\$11,020,308						
uppr 2nd	124H	\$11,020,308		\$44,081,232				
uppr 2nd	126H	\$11,020,308		344,001,232				
uppr 2nd	128H	\$11,020,308						
2nd	121H	\$11,020,308						
2nd	123H	\$11,020,308		\$44,081,232				
2nd	125H	\$11,020,308		344,001,232				
2nd	127H	\$11,020,308						
3rd bs	131H	\$11,535,757						
3rd bs	132H	\$11,535,757		\$46,143,028				
3rd bs	133H	\$11,535,757		340,143,026				
3rd bs	134H	\$11,535,757						
3rd bs	171H	\$11,308,013						
3rd bs	172H	\$11,308,013						
3rd bs	173H	\$11,308,013						
3rd bs	174H	\$11,308,013		\$92,743,500				
WC	201H	\$11,877,862		792,745,500				
WC	202H	\$11,877,862						
WC	203H	\$11,877,862						
WC	204H	\$11,877,862						
Total Gro	oss CapEx	\$269,945,764	?	\$269,945,764				

For each Plan, Permian is spending \$135MM more / 1280 acres with proposal Capex, ~100% more CapEx, bad for WI owners:

- \$ 92.7 MM, shown in red, Cimarex models as uneconomic non additive wells with reserves best captured by single landing.
- \$ 31.6 MM, where well counts are ~= Permian costs are \$ 2.1 MM to \$2.4MM higher/well at time of proposal
- \$ 11 MM, one additional 2nd sand well vs. Cimarex Proven spacing.
- Reputal และ เพื่อใช้เครื่อง เมื่อเกี่ยว เรา คนาย Partices, and development plan is >= \$121MM of waste driven by Frac cost and Well Count

We model Permian's plan as significantly over drilled. Extra wellbores raise OpEx, interventions, and spill risk while capturing negligible additional reserves.

	16 well Permian Plan June Strip 80% 8/8ths NRI					
Development	WI	NRI	Gross Capex	WI Capex	NPV10	ATax ROR%
Mighty Pheasant / Joker	0.477066	0.381653	\$93,654,476	\$44,574,978	\$7,746,535	21%
Loosey Goosey / Bane	0.518295	0.414636	\$93,654,476	\$48,527,881	\$8,347,243	21%
Total Cimarex	0.497681	0.398144	\$187,308,952	\$93,102,854	\$16,093,779	21%
Total Development	1	0.8	\$187,308,952	\$187,308,952	\$32,176,560	21%

Cimarex's plan benefits significantly from not over drilling the target. This materializes as fast payout, lower OpEx, and lower spill risk.

	8 well 3 rd Sand Cimarex Plan June Strip 80% 8/8ths NRI						
Development	WI	NRI	Gross Capex	WI Capex	NPV10	ATax ROR%	
Mighty Pheasant / Joker	0.553327	0.4426616	\$42,487,972	\$23,509,755	\$32,039,956	149%	
Loosey Goosey / Bane	0.527654	0.4221232	\$42,487,972	\$22,418,953	\$30,552,828	149%	
Total Cimarex	0.540491	0.432393	\$84,975,944	\$45,928,710	\$62,592,788	149%	
Total Development	1	0.8	\$84,975,944	\$84,975,944	\$115,807,328	149%	

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Comparison of 3rd sand Flat Cimarex Plan vs. Wolfcamp Stagger Permian Plan

Exhibit D-20

	Ownership mixes vs PV10 of Wolfcamp 3rd Development Plans								
BS acres	WC acres	WC/BS Ratio	PV10 Permian Plan	PV10 Cimarex Plan	Cimarex - Permian				
1	1	1	\$12,569	\$45,237	\$32,668				
1	1.37	1.37	\$14,894	\$45,237	\$30,343				
1	2	2	\$18,853	\$45,237	\$26,384				
1	3	3	\$25,138	\$45,237	\$20,099				
1	3.0088	3.0088	\$25,193	\$45,237	\$20,044				
1	4	4	\$31,422	\$45,237	\$13,815				
1	5	5	\$37,707	\$45,237	\$7,530				
1	6	6	\$43,991	\$45,237	\$1,246				
1	7	7	\$50,276	\$45,237	-\$5,039				

- Above Table sensitivity shows different ownership blends at June Strip pricing and 80% 8/8ths NRI.
- We model WI owners benefitting from our development as long as they do not have a Wolfcamp to 3rd Sand ownership imbalance of more than 6x.
- The biggest differential ownership in Loosey Goosey is held by HOG Partnership LP with a 1.37 ratio of Wolfcamp to Bone Spring. \$45,237/acre under Cimarex plan outperforms Permian Plan by ~\$30,000/acre.
- The biggest differential ownership in Mighty Pheasant is held by MRC Permian and is a 3.0088 ratio of Wolfcamp to Bone Spring. \$45,237/acre under Cimarex plan outperforms Permian Plan by ~\$20,000/acre.



BS acres	WC acres	WC/BS Ratio	PV10 Permian Plan	PV10 Cimarex Plan	Cimarex - Permian
1	3.0088	3.0088	\$25,193	\$45,237	\$20,044

- The biggest differential ownership in Mighty Pheasant / Joker is held by MRC Permian with a 3.0088 ratio of Wolfcamp to Bone Spring
- Under Cimarex's single landing development MRC Permian's PV10 is \$45,237/acre
- Under Permian Resources' co-development plan, MRC Permian 's PV10 is \$25,193/acre
- MRC Permian enjoys an additional \$20,044/acre PV10 under Cimarex's plan

BS acres	WC acres	WC/BS Ratio	PV10 Permian Plan	PV10 Cimarex Plan	Cimarex - Permian
1	1.37	1.37	\$14,894	\$45,237	\$30,343

- The only and by default biggest differential ownership in Loosey Goosey / Bane is held by HOG Partnership LP with a 1.37 ratio of Wolfcamp to Bone Spring
- Under Cimarex's single landing development HOG Partnership PV10 is \$45,237/acre
- Under Permian Resources' co-development plan HOG Partnership PV10 is \$14,894/acre
- HOG Partnership enjoys an additional \$30,343/acre PV10 under Cimarex's plan



Ownership Ratios and Depth Severences

0	Ownership Loosey Goosey / Bane					
OWNER	BS WI	WC WI	WC / BS ownership Ratio			
Delmar Hudson Trust	0.060950089	0.060950089	1.0000			
Lindys Living Trust	0.079980077	0.079980077	1.0000			
Javelina Partners	0.086387997	0.07235004	0.8375			
Zorro Partners	0.053319802	0.053319802	1.0000			
Josephine Hudson Trust	0.013330013	0.013330013	1.0000			
Ard Oil	0.039990039	0.039990039	1.0000			
Moore and Shelton	0.030981016	0.030981016	1.0000			
HOG Partnership LP	0.050128926	0.068846535	1.3734			
Read and Stevens	0.244691793	0.244691793	1.0000			
First Century Oil	0.073245733	0.073245733	1.0000			
Foran Oil Co.	0.038215438	0.038215438	1.0000			
Chase Oil Co.	0.026073984	0.026073984	1.0000			
Union Hill	0	0				
Magnum Hunter	0.09280948	0.09280948	1.0000			
Cimarex	0.089193344	0.089193344	1.0000			
William A Hudson II	0.004679402	0	0.0000			
Challenger Crude	0.016022867	0.016022867	1.0000			

Loosey Goosey / Bane: Almost Uniform Interest.

- The Majority backs lower well count when unclouded by ownership.
- HOG has a 1.8% delta in ownership which we model as benefiting \$30,000/acre from optimum well count vs. double CapEx plan.

Ownership Mighty Pheasant / Joker					
OWNER	BS WI	WC WI	WC / BS ownership Ratio		
MRC Permian	0.011252148	0.033766407	3.0009		
HOG Partnership LP	0.060948477	0.060948477	1.0000		
Northern Oil and Gas	0.007767257	0.023305971	3.0005		
Javelina Partners	0.07044874	0.07044874	1.0000		
Zorro Partners	0.05079596	0.05079596	1.0000		
Delmar Hudson Trust	0.006062753	0.006062753	1.0000		
First Century Oil	0.030962423	0.067510413	2.1804		
Read and Stevens	0.229467276	0.280456983	1.2222		
CBR Oil Prop	0.00416737	0.012505521	3.0008		
Ard Oil	0.014295	0.014295	1.0000		
Josephine Hudson Trust	0.006755155	0.006755155	1.0000		
Magnum Hunter	0.307816041	0.131229999	0.4263		
CLM Production Co.	0	0.001249844			
Highland (Texas) Energy	0.003749531	0.001249844	0.3333		
Diamond Star Prod.	0.001249844	0.001249844	1.0000		
Carolyn Beall	0.001249844	0.001249844	1.0000		
Tierra Encantada	0.001249844	0.001249844	1.0000		
David Luna	0.001249844	0.001249844	1.0000		
Warren Associates	0	0.001249844			
Cimarex Energy	0.025670122	0.0522325	2.0348		
Moore and Shelton	0.01687	0.01687	1.0000		
Lindys Living Trust	0.02859	0.02859	1.0000		
Challenger Crude	2%	2%	1.0000		
Avalon Energy Corp	0.007812793	0	0.0000		
Marks Oil	0.00817	0.01567	1.9180		
Prime Rock	0.023435195	0	0.0000		
Wilbanks Reserve	0.043402861	0.083240693	1.9179		
Union Hill	0.012499024	0.012499024	1.0000		

Mighty Pheasant / Joker : Complicated by Depth Severance

• MRC Permian has worst ratio with 2.25% delta in ownership which we model as benefiting \$20,000/acre more from optimum well count vs. double CapEx Plan.

3rd SS Wolfcamp API List

WI (APINum)	Well Label	Operator	Formation
30025024240100	LEA UNIT 4H	LEGACY RESERVES OPERATING LP	3rd SS
30025328180000	MALLON '34' FEDERAL 16	CIMAREX ENERGY CO	3rd SS
30025393820100	MALLON 35 FEDERAL 4H	CIMAREX ENERGY CO	3rd SS
30025395550000	TUSK FEDERAL 2H	COG OPERATING LLC	3rd SS
30025397630100	MALLON 34 FEDERAL 18H	CIMAREX ENERGY CO	3rd SS
30025398940100	MALLON 34 FEDERAL 19	CIMAREX ENERGY CO	3rd SS
30025400350000	AIRCOBRA 12 STATE 002H	COG OPERATING LLC	3rd SS
30025400400000	QUAIL RIDGE 32 STATE 3H	CIMAREX ENERGY CO	3rd SS
30025400860000	MALLON 35 FEDERAL 7H	CIMAREX ENERGY CO	3rd SS
30025401150000	LYNCH 23 FEDERAL 1H	CIMAREX ENERGY CO	3rd SS
30025401230000	LYNCH 23 FEDERAL 2H	CIMAREX ENERGY CO	3rd SS
30025401350000	MALLON 34 FEDERAL 20	CIMAREX ENERGY CO	3rd SS
30025402530100	CHAPARRAL 33 FEDERAL 3H	CIMAREX ENERGY CO	3rd SS
30025403270000	HANSON 26 FEDERAL 1H	CIMAREX ENERGY CO	3rd SS
30025403280000	CHAPARRAL 33 FEDERAL COM 4	CIMAREX ENERGY CO	3rd SS
30025403300000	EAGLE '2' STATE 006H	MATADOR PRODUCTION CO	3rd SS
30025403610000	QUAIL '16' STATE COM 003H	FASKEN OIL & RANCH LTD	3rd SS
30025403880100	KING COBRA 2 STATE 1H	COG OPERATING LLC	3rd SS
30025403970000	AIRSTRIP 6 STATE COM 2H	COG OPERATING LLC	3rd SS
30025404040000	WILD COBRA 1 STATE 2H	COG OPERATING LLC	3rd SS
30025404050100	PLAYA 2 STATE 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025404250000	WEST PEARL 36 STATE 002H	COG OPERATING LLC	3rd SS
30025404300000	TIGER '11' FEDERAL 1H	COG OPERATING LLC	3rd SS
30025405310000	QUAIL '16' STATE 004H	FASKEN OIL & RANCH LTD	3rd SS
	PLAYA 2 STATE 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025406040100	IGLOO 19 STATE 2H	CAZA OPERATING LLC	3rd SS
	IRONHOUSE 20 STATE 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	BUTTER CUP 35 STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	HANSON 26 FEDERAL 3H	CIMAREX ENERGY CO	3rd SS
30025406400000	BUTTER CUP 36 STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	BUTTER CUP 36 STATE COM 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	BUTTER CUP 35 STATE COM 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025406760100	IRONHOUSE 19 STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	LAGUNA 23 FEDERAL COM 002H	EARTHSTONE OPERATING LLC	3rd SS
30025406980100		LEGACY RESERVES OPERATING LP	3rd SS
30025406990100		LEGACY RESERVES OPERATING LP	3rd SS
	OUTLAW '22' FEDERAL COM 1H	COG OPERATING LLC	3rd SS
	MONGOOSE FEE 001H	MATADOR PRODUCTION CO	3rd SS
	LAGUNA 23 FEDERAL COM 1H	EARTHSTONE OPERATING LLC	3rd SS
	IRONHOUSE 20 STATE COM 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025407500000		CIMAREX ENERGY CO	3rd SS
	PRICKLY PEAR 6 FEDERAL 4H	COG OPERATING LLC	3rd SS
	HANSON 26 FEDERAL 4H	CIMAREX ENERGY CO	3rd SS
	CONDOR STATE 001H	COG OPERATING LLC	3rd SS
	HANSON 26 FEDERAL 2H	CIMAREX ENERGY CO	3rd SS
	LYNCH 35 FEE 1H	CIMAREX ENERGY CO	3rd SS
	MERIT 32 DM STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	QUAIL 11 STATE COM 1H	CIMAREX ENERGY CO	3rd SS
	3010: 10:334 F4M12H	CIMAREX ENERGY CO	3rd SS
0 0	AIRCOBRA 12 STATE 1H	COG OPERATING LLC	3rd SS

	MERIT 6 EH STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	QUAIL '16' STATE 007H	FASKEN OIL & RANCH LTD	3rd SS
	STRATOJET 31 STATE COM 2H	COG OPERATING LLC	3rd SS
	TRES PRIMOS 3 STATE 1H	COG OPERATING LLC	3rd SS
	MARATHON ROAD 14 NC FEDERAL 1H	MEWBOURNE OIL CO	3rd SS
	CONDOR STATE 2H	COG OPERATING LLC	3rd SS
30025410500000	IRONHOUSE 19 STATE COM 003H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025410600000	KING COBRA 2 STATE 2H	COG OPERATING LLC	3rd SS
0025410940000	IRONHOUSE 19 STATE COM 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
0025411060100	GOOSE STATE 001H	COG OPERATING LLC	3rd SS
30025411100000	WILD COBRA 1 STATE 1H	COG OPERATING LLC	3rd SS
0025411310000	PERLA NEGRA FEDERAL COM 1H	XTO ENERGY INC	3rd SS
0025411410000	QUAIL 11 STATE COM 3H	CIMAREX ENERGY CO	3rd SS
0025411480100	CAPROCK 27 STATE FEDERAL COM 1H	RAYBAW OPERATING LLC	3rd SS
30025411520000	AIRSTRIP FEE COM 1H	COG OPERATING LLC	3rd SS
0025411630000	IRONHOUSE 24 STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
0025412010000	GOOSE STATE COM 2H	COG OPERATING LLC	3rd SS
0025412100100	QUAIL 11 STATE COM 4H	CIMAREX ENERGY CO	3rd SS
0025412150000	MARATHON ROAD 14 MD FEDERAL 1H	MEWBOURNE OIL CO	3rd SS
0025412450200	IRONHOUSE '19' STATE COM 004H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
0025413050100	HAMON A FEDERAL COM 3H	LEGACY RESERVES OPERATING LP	3rd SS
0025413580100	TUSK FEDERAL 4H	COG OPERATING LLC	3rd SS
0025413660000	QUAIL '16' STATE 8H	FASKEN OIL & RANCH LTD	3rd SS
0025413670100	LEA SOUTH 25 FEDERAL COM 5H	EARTHSTONE OPERATING LLC	3rd SS
0025415190100	NIGHTHAWK STATE COM 1H	MARATHON OIL PERMIAN LLC	3rd SS
0025415320000	SCHARB 10 PA STATE 1H	MEWBOURNE OIL CO	3rd SS
0025415440000	ALBATROSS STATE COM 2H	COG OPERATING LLC	3rd SS
0025415620000	TANGO BTP STATE COM 004H	EOG RESOURCES INC	3rd SS
0025415720100	PRICKLY PEAR 6 FEDERAL 2H	COG OPERATING LLC	3rd SS
0025415730000	TUSK FEDERAL 3H	COG OPERATING LLC	3rd SS
0025415740000	TUSK FEDERAL SH	COG OPERATING LLC	3rd SS
0025415750000	MARATHON ROAD 15 PA FEDERAL 1H	MEWBOURNE OIL CO	3rd SS
0025415950000	IRONHOUSE 24 STATE COM 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
0025416050000	PERRY 22 FEDERAL COM 1H	CIMAREX ENERGY CO	3rd SS
0025416120100	ORIOLE STATE 1H	COG OPERATING LLC	3rd SS
0025416170000	HAMON A FEDERAL COM 4H	LEGACY RESERVES OPERATING LP	3rd SS
0025416290000	PRICKLY PEAR 6 FEDERAL 3H	COG OPERATING LLC	3rd SS
0025416300100	HAMON FEDERAL COM A 2H	LEGACY RESERVES OPERATING LP	3rd SS
the second second second	LYNCH 35 FED COM 3H	CIMAREX ENERGY CO	3rd SS
0025416950000	IRONHOUSE 24 STATE COM 003H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	IRONHOUSE 24 STATE COM 004H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	TOMCAT FEE 1H	COG OPERATING LLC	3rd SS
	CUATRO HIJOS FEE 4H	COG OPERATING LLC	3rd SS
	SCHARB 10 B30B STATE 1H	MEWBOURNE OIL CO	3rd SS
	MALLON 27 FEDERAL COM 003H	MATADOR PRODUCTION CO	3rd SS
	ALBATROSS STATE COM 1H	COG OPERATING LLC	3rd SS
	TIGER 11 FEDERAL 2H	COG OPERATING LLC	3rd SS
	CORDONIZ 28 FEDERAL COM 4H	CIMAREX ENERGY CO	3rd SS
	KINGFISHER STATE COM 1H	COG OPERATING LLC	3rd SS
	KINGFISHER STATE COM 2H	COG OPERATING LLC	3rd SS
	TEAL 12 STATE 2H	CIMAREX ENERGY CO	3rd SS
	PERLA VERDE 31 STATE 2H	XTO ENERGY INC	3rd SS

3rd S3 Wolfcamp API List

30025418620000 PERLA VERDE 31 STATE 003H	XTO ENERGY INC	3rd SS
30025418630000 PERLA VERDE 31 STATE 4H	XTO ENERGY INC	3rd SS
30025418790000 CHAPARRAL 33 FEDERAL COM 5H	CIMAREX ENERGY CO	3rd SS
30025418980000 LEA SOUTH 25 FEDERAL COM 6H	EARTHSTONE OPERATING LLC	3rd SS
30025419450000 MARATHON ROAD 15 B30B FEDERAL 1H	MEWBOURNE OIL CO	3rd SS
30025419470000 PALOMA 21 FEDERAL COM 4H	FASKEN OIL & RANCH LTD	3rd SS
30025419860000 SCHARB 10 B3NC STATE 1H	MEWBOURNE OIL CO	3rd SS
30025419870100 SUPER COBRA STATE COM 1H	COG OPERATING LLC	3rd SS
30025419930000 PALOMA 21 FEDERAL COM 1H	FASKEN OIL & RANCH LTD	3rd SS
30025419940000 PALOMA 21 FEDERAL COM 2H	FASKEN OIL & RANCH LTD	3rd SS
30025419950000 PALOMA 21 FEDERAL COM 3H	FASKEN OIL & RANCH LTD	3rd SS
30025420340000 STRATOSPHERE 36 STATE COM 3H	COG OPERATING LLC	3rd SS
30025420350000 STRATOSPHERE 36 STATE COM 4H	COG OPERATING LLC	3rd SS
30025420360000 STRATOSPHERE 36 STATE COM 5H	COG OPERATING LLC	3rd SS
30025420370000 STRATOSPHERE 36 STATE COM 6H	COG OPERATING LLC	3rd SS
30025420630000 PERLA VERDE 31 STATE 001H	XTO ENERGY INC	3rd SS
30025420800000 NORTH LEA '3' FEDERAL COM 001H	READ & STEVENS INC	3rd SS
30025421290000 TRES PRIMOS 3 STATE 2H	COG OPERATING LLC	3rd SS
30025421410000 PEARL WEST 36 STATE COM 6H	COG OPERATING LLC	3rd SS
30025421450000 WEST PEARL 36 STATE COM 003H	COG OPERATING LLC	3rd SS
30025421460000 PEARL WEST 36 STATE COM 4H	COG OPERATING LLC	3rd SS
30025421470000 WEST PEARL 36 STATE COM 005H	COG OPERATING LLC	3rd SS
30025421730000 RAPTOR WEST 3 STATE 004H	MARATHON OIL PERMIAN LLC	3rd SS
30025422010000 MARATHON ROAD 15 NC FEDERAL 1H	MEWBOURNE OIL CO	3rd SS
30025422120000 MALLON 27 FEDERAL COM 001H	MATADOR PRODUCTION CO	3rd SS
30025422270000 NORTH LEA 3 FEDERAL COM 002H	READ & STEVENS INC	3rd SS
30025422280000 NORTH LEA '3' FEDERAL COM 003H	READ & STEVENS INC	3rd SS
30025422680000 LEA 7 FEDERAL COM 1H	CIMAREX ENERGY CO	3rd SS
30025422760000 CUATRO HIJOS FEE 3H	COG OPERATING LLC	3rd SS
30025422920000 BLACK PEARL 1 FEDERAL COM 1H	COG OPERATING LLC	3rd SS
30025422930000 BLACK PEARL 1 FEDERAL 002H	COG OPERATING LLC	3rd SS
30025422940000 BLACK PEARL 1 FEDERAL 3H	COG OPERATING LLC	3rd SS
30025422950000 BLACK PEARL 1 FEDERAL 4H	COG OPERATING LLC	3rd SS
30025423150000 MALLON 27 FEDERAL COM 2H	MATADOR PRODUCTION CO	3rd SS
30025423380100 BLUE JAY FEDERAL 001H	COG OPERATING LLC	3rd SS
30025423420000 LEA UNIT 32H	LEGACY RESERVES OPERATING LP	3rd SS
30025423430000 LEA UNIT 33H	LEGACY RESERVES OPERATING LP	3rd SS
30025423440000 LEA UNIT 34H	LEGACY RESERVES OPERATING LP	3rd SS
30025423520000 CIMARRON 16-19-34 RN STATE 134H	MATADOR PRODUCTION CO	3rd SS
30025423570100 IGLOO '19' STATE 3H	CAZA OPERATING LLC	3rd SS
30025423670000 BUTTER CUP 36 STATE COM 003H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025423770000 IGGLES STATE COM 001H	COG OPERATING LLC	3rd SS
30025424300000 STRATOJET 31 STATE COM 8H	COG OPERATING LLC	3rd SS
30025424720000 KINGFISHER STATE COM 5H	COG OPERATING LLC	3rd SS
30025424990000 PICKARD 20 18 34 RN STATE 124H	MATADOR PRODUCTION CO	3rd SS
30025425210000 SCHARB 10 B3MD STATE 1H	MEWBOURNE OIL CO	3rd SS
30025425460000 LEA 7 FEDERAL COM 2H (P&A 12/27/	CIMAREX ENERGY CO	3rd SS
30025425770000 PERLA NEGRA FEDERAL COM 4H	XTO ENERGY INC	3rd SS
30025426840000 NORTH LEA "3" FEDERAL COM 004H	READ & STEVENS INC	3rd SS
30025427090000 PERLA NEGRA FEDERAL COM 2H	XTO ENERGY INC	3rd SS
3973727730000 PFW-3NESPM EDERAL COM 3H	XTO ENERGY INC	3rd SS
30025428850000 LEA UNIT 44H	LEGACY RESERVES OPERATING LP	3rd SS

30025429490000	The state of the s	LEGACY RESERVES OPERATING LP	3rd SS
30025429500000	MAS FEDERAL 3H	COG OPERATING LLC	3rd SS
30025429580000	LEA UNIT 051H	LEGACY RESERVES OPERATING LP	3rd SS
30025429720000	DESERT ROSE 17-8 FEDERAL COM 001	CAZA OPERATING LLC	3rd SS
30025429790000	CIMARRON 16 19S 34E RN STATE COM	MATADOR PRODUCTION CO	3rd SS
30025429880100	EAGLECLAW FEDERAL 001H	CAZA OPERATING LLC	3rd SS
30025430290000	LEA SOUTH 25 FEDERAL COM 3BS 007	EARTHSTONE OPERATING LLC	3rd SS
30025430350000	LEA UNIT 059H	LEGACY RESERVES OPERATING LP	3rd SS
30025430540000	DELLA 29 FEDERAL COM 602H	EOG RESOURCES INC	3rd SS
30025430770000	LEA UNIT 038H	LEGACY RESERVES OPERATING LP	3rd SS
30025432470100	LEA UNIT 062H	LEGACY RESERVES OPERATING LP	3rd SS
30025432500000	HAMON A FED COM 009H	LEGACY RESERVES OPERATING LP	3rd SS
30025434150000	SEVERUS 31 FEDERAL COM 001H	XTO ENERGY INC	3rd SS
30025434160000	SEVERUS 31 FEDERAL COM 002H	XTO ENERGY INC	3rd SS
30025434170000	SEVERUS 31 FEDERAL COM 003H	XTO ENERGY INC	3rd SS
30025434180000	SEVERUS 31 FEDERAL COM 004H	XTO ENERGY INC	3rd SS
30025434680100	CHIEF 30 STATE 7H	CIMAREX ENERGY CO	3rd SS
30025435330000	BLUE JAY FEDERAL COM 002H	COG OPERATING LLC	3rd SS
30025436800000	NORTH LEA 10 FEDERAL 002H	READ & STEVENS INC	3rd SS
30025437410000	ESPEJO FEDERAL COM 001H	XTO ENERGY INC	3rd SS
30025437420000	ESPEJO FEDERAL COM 002H	XTO ENERGY INC	3rd SS
	ESPEJO FEDERAL COM 003H	XTO ENERGY INC	3rd SS
	STRATOJET 31 STATE COM 007H	COG OPERATING LLC	3rd SS
	AIRSTRIP 31 18 35 RN STATE COM #132H	MATADOR PRODUCTION CO	3rd SS
	BLACK & TAN 27 FEDERAL COM 303H	APACHE CORP	3rd SS
	BLACK & TAN 27 FEDERAL COM 305H	APACHE CORP	3rd SS
	BLACK & TAN 27 FEDERAL COM 301H	APACHE CORP	3rd SS
	BLACK & TAN 27 FEDERAL COM 302H	APACHE CORP	3rd SS
	BLACK & TAN 27 FEDERAL COM 307H	APACHE CORP	3rd SS
	BLACK AND TAN 27 FEDERAL COM 308	APACHE CORP	3rd SS
	MAS FEDERAL COM 001H	COG OPERATING LLC	3rd SS
	CHIEF 30 STATE 8H	CIMAREX ENERGY CO	3rd SS
	AIRSTRIP 31-18-35 RN STATE COM 1	MATADOR PRODUCTION CO	3rd SS
	VERNA RAE FEDERAL COM 133H	MATADOR PRODUCTION CO	3rd SS
	VERNA RAE FEDERAL COM 134H	MATADOR PRODUCTION CO	3rd SS
A P D A A D A A A A A A A A A A A A A A	DELLA 29 FEDERAL COM 603H	EOG RESOURCES INC	3rd SS
	DELLA 29 FEDERAL 604H	EOG RESOURCES INC	3rd SS
	DELLA 29 FEDERAL 605H	EOG RESOURCES INC	3rd SS
	DELLA 29 FEDERAL 606H	EOG RESOURCES INC	3rd SS
	EAGLECLAW FEDERAL COM 002H	CAZA OPERATING LLC	3rd SS
	AIRSTRIP 31-18-35 RN STATE COM 1	MATADOR PRODUCTION CO	3rd SS
and the second second second	CHIEF 30 STATE 9H	CIMAREX ENERGY CO	
	MESCALERO RIDGE 21 FEDERAL 1H	CIMAREX ENERGY CO	3rd SS 3rd SS
30025450540000	Control of the Art of	LEGACY RESERVES OPERATING LP	3rd SS
			-
	LEA 7 FEDERAL COM 29H	CIMAREX ENERGY CO	3rd SS
	LEA 7 FEDERAL COM 30H	CIMAREX ENERGY CO	3rd SS
30025452100000		LEGACY RESERVES OPERATING LP	3rd SS
	AIRSTRIP 31-18S-35E RN STATE COM	MATADOR PRODUCTION CO	3rd SS
	ANCHOR 19 35 33 STATE 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	CABLE 19 35 9 STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
	HEREFORD 29-20 W10B FED COM 001H	MEWBOURNE OIL CO	3rd SS
30025468030000	SANTA VACA 19-18 B3MD STATE COM	MEWBOURNE OIL CO	3rd SS

30025474570000	TALON 5-8 FEDERAL 001H	CAZA OPERATING LLC	3rd SS
30025474830000	HEREFORD 29-20 W1MD STATE COM 00	MEWBOURNE OIL CO	3rd SS
30025474840000	HEREFORD 29-20 W1NC STATE COM 00	MEWBOURNE OIL CO	3rd SS
30025474860000	TALON 5-8 FEDERAL 005H	CAZA OPERATING LLC	3rd SS
30025491550000	SANTA VACA 19 18 B3NC STATE COM	MEWBOURNE OIL CO	3rd SS
30025499040000	CHAROLAIS 28 21 W1MD STATE COM 0	MEWBOURNE OIL CO	3rd SS
30025499350000	HEREFORD 29 20 W1PA STATE COM 00	MEWBOURNE OIL CO	3rd SS
30025501680000	FOXTAIL E2 05 32 W1 STATE COM 00	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025501690000	FOXTAIL E2 05 32 W1 STATE COM 00	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025502420000	SANTA VACA 19-18 B3OB FEE 001H	MEWBOURNE OIL CO	3rd SS
30025503260000	SANTA VACA 19-18 B3PA FEE 001H	MEWBOURNE OIL CO	3rd SS
30025507240000	MESCALERO RIDGE 21-28 FED COM 2H	CIMAREX ENERGY CO	3rd SS
30025416080000	PERRY 22 FEDERAL COM 4H	CIMAREX ENERGY CO	Wolfcamp
30025419500000	NIGHTHAWK STATE COM 003H	MARATHON OIL PERMIAN LLC	Wolfcamp
30025430530000	DELLA 29 FEDERAL COM 701H	EOG RESOURCES INC	Wolfcamp
30025431100000	LEA SOUTH 25 FEDERAL COM WCA 012	EARTHSTONE OPERATING LLC	Wolfcamp
30025433950000	AIRSTRIP 31 18 35 RN STATE COM 2	MATADOR PRODUCTION CO	Wolfcamp
30025434820000	MAS FEDERAL 4H	COG OPERATING LLC	Wolfcamp
30025442140100	MAS FEDERAL COM 002H	COG OPERATING LLC	Wolfcamp
30025444940000	VERNA RAE FEDERAL COM 204H	MATADOR PRODUCTION CO	Wolfcamp
30025450980100	LITTLE BEAR FEDERAL COM 001H	COG OPERATING LLC	Wolfcamp
30025450990000	LITTLE BEAR FEDERAL COM 003H	COG OPERATING LLC	Wolfcamp
30025451000000	LITTLE BEAR FEDERAL COM 004H	COG OPERATING LLC	Wolfcamp
30025451020000	LITTLE BEAR FEDERAL COM 006H	COG OPERATING LLC	Wolfcamp
30025451030000	LITTLE BEAR FEDERAL COM 007H	COG OPERATING LLC	Wolfcamp
30025451040000	LITTLE BEAR FEDERAL COM 008H	COG OPERATING LLC	Wolfcamp
30025451050000	LITTLE BEAR FEDERAL COM 009H	COG OPERATING LLC	Wolfcamp
30025451490000	LITTLE BEAR FEDERAL COM 002H	COG OPERATING LLC	Wolfcamp
30025452110100	LEA UNIT 100H	LEGACY RESERVES OPERATING LP	Wolfcamp
30025460720000	BLACK & TAN 27 FEDERAL COM 401H	APACHE CORP	Wolfcamp
30025460730000	BLACK & TAN 27 FEDERAL COM 402H	APACHE CORP	Wolfcamp
30025460750000	BLACK & TAN 27 FEDERAL COM 406H	APACHE CORP	Wolfcamp
30025461230000	BLACK & TAN 27 FEDERAL COM 403H	APACHE CORP	Wolfcamp
30025461240000	BLACK & TAN 27 FEDERAL COM 405H	APACHE CORP	Wolfcamp

TAB 6

Case No. 23594-23601

Exhibit E: Self-Affirmed Statement of Notice, Darin C. Savage

Exhibit E-1: Notice Letter Exhibit E-2: Mailing List

Exhibit E-2: Mailing List Exhibit E-3: Affidavits of Publication

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

APPLICATION OF CIMAREX ENERGY CO. FOR A HORIZONTAL SPACING UNIT AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Case Nos. 23594-23601

SELF-AFFIRMED STATEMENT OF NOTICE

STATE OF NEW MEXICO)	
)	SS.
COUNTY OF SANTA FE)	

- I, Darin C. Savage, attorney and authorized representative of Cimarex Energy Co. ("Cimarex"), the Applicant herein, being first duly sworn, upon oath, states the following:
- 1. Notice of the applications and hearing in the above-reference cases was timely sent by certified mail, return receipt requested, through the United States Postal Service on June 14, 2023, to all uncommitted interest owners sought to be pooled in this proceeding. *See* Exhibit E-2, attached hereto. Copies of notice letters and evidence of mailing to parties are attached hereto as Exhibits E-1 and E-2.
- 2. Notice was sent to the Hobbs News-Sun, a newspaper of general circulation in Lea County, New Mexico, and timely published in said newspaper on June 15, 2023. *See* Exhibit E-3.



Signature page of Self-Affirmed Statement of Darin C. Savage:

I understand that this Self-Affirmed Statement will be used as written testimony before the Division in Case Nos. 23594-23601 and affirm that my testimony herein is true and correct, to the best of my knowledge and belief and made under penalty of perjury under the laws of the State of New Mexico.

Darin Savage

Date Signed

8/2/2023



ABADIE I SCHILL PC

Colorado New Mexico
Louisiana Texas
Nebraska Kansas
Montana Wyoming
Oklahoma California
North Dakota

June 14, 2023

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Cimarex Energy Co., for a horizontal spacing unit and

compulsory pooling, Lea County, New Mexico

Mighty Pheasant 5-8 Fed Com 301H Well (Case No. 23594)

Case No. 23594:

Dear Interest Owners:

This letter is to advise you that Cimarex Energy Co. ("Cimarex") has filed the enclosed application, Case No. 23594, with the New Mexico Oil Conservation Division ("Division") for the compulsory pooling of all uncommitted interests in the Wolfcamp formation, designated as an oil pool, as described in the application.

In Case No. 23594, Cimarex seeks to establish a standard 320.01-acre, more or less, spacing and proration unit comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 5 and the W/2 W/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the above-referenced well.

A hearing has been requested before a Division Examiner on July 6, 2023, and the status of the hearing can be monitored through the Division's website. Division hearings will commence at 8:15 a.m., traditionally in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and status of the case, you can visit the Division's website at: https://www.emnrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441.

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214 McKenzie Street, Santa Fe, New Mexico, 87501

O: 970.385.4401 • F: 970.385.4901

EXHIBIT E-1

You are being notified as an interest owner (subject to title examination) and are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 19.15.4.13.B NMAC to file a Prehearing Statement at least four business days in advance of a scheduled hearing, but in no event later than 5 p.m. mountain time on the Thursday preceding the scheduled hearing date. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: The names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact John Coffman at (432) 571-7883 or at john.coffman@coterra.com.

Sincerely,

Darin C. Savage

Attorney for Cimarex Energy Co.



ABADIE I SCHILL PC

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North Dakota

June 14, 2023

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Cimarex Energy Co., for a horizontal spacing unit and

compulsory pooling, Lea County, New Mexico

Mighty Pheasant 5-8 Fed Com 302H Well (Case No. 23595)

Case No. 23595:

Dear Interest Owners:

This letter is to advise you that Cimarex Energy Co. ("Cimarex") has filed the enclosed application, Case No. 23595, with the New Mexico Oil Conservation Division ("Division") for the compulsory pooling of all uncommitted interests in the Wolfcamp formation, designated as an oil pool, as described in the application.

In Case No. 23595, Cimarex seeks to establish a standard 320.04-acre, more or less, spacing and proration unit comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the above-referenced well.

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Sincerely,

Darin C. Savage

Attorney for Cimarex Energy Co.



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June 14, 2023

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Cimarex Energy Co., for a horizontal spacing unit and

compulsory pooling, Lea County, New Mexico

Mighty Pheasant 5-8 Fed Com 303H Well (Case No. 23596)

Case No. 23596:

Dear Interest Owners:

This letter is to advise you that Cimarex Energy Co. ("Cimarex") has filed the enclosed application, Case No. 23596, with the New Mexico Oil Conservation Division ("Division") for the compulsory pooling of all uncommitted interests in the Wolfcamp formation, designated as an oil pool, as described in the application.

In Case No. 23596, Cimarex seeks to create a standard 320.06-acre, more or less, spacing and proration unit comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 5 and the W/2 E/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the above-referenced well.

A hearing has been requested before a Division Examiner on July 6, 2023, and the status of the hearing can be monitored through the Division's website. Division hearings will commence at 8:15 a.m., traditionally in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and status of the case, you can visit the Division's website at: https://www.emnrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441.

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Sincerely,

Darin C. Savage

Attorney for Cimarex Energy Co.



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June 14, 2023

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Cimarex Energy Co., for a horizontal spacing unit and

compulsory pooling, Lea County, New Mexico

Mighty Pheasant 5-8 Fed Com 304H Well (Case No. 23597)

Case No. 23597:

Dear Interest Owners:

This letter is to advise you that Cimarex Energy Co. ("Cimarex") has filed the enclosed application, Case No. 23597, with the New Mexico Oil Conservation Division ("Division") for the compulsory pooling of all uncommitted interests in the Wolfcamp formation, designated as an oil pool, as described in the application.

In Case No. 23597, Cimarex seeks to establish a standard 320.09-acre, more or less, spacing and proration unit comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 5 and the E/2 E/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the above-referenced well.

A hearing has been requested before a Division Examiner on July 6, 2023, and the status of the hearing can be monitored through the Division's website. Division hearings will commence at 8:15 a.m., traditionally in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and status of the case, you can visit the Division's website at: https://www.emnrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441.

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Colorado New Mexico
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June 14, 2023

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Cimarex Energy Co., for a horizontal spacing unit and

compulsory pooling, Lea County, New Mexico

Loosey Goosey 4-9 Fed Com 301H Well (Case No. 23598)

Case No. 23598:

Dear Interest Owners:

This letter is to advise you that Cimarex Energy Co. ("Cimarex") has filed the enclosed application, Case No. 23598, with the New Mexico Oil Conservation Division ("Division") for the compulsory pooling of all uncommitted interests in the Wolfcamp formation, designated as an oil pool, as described in the application.

In Case No. 23598, Cimarex seeks to establish a standard 320.21-acre, more or less, horizontal spacing and proration unit comprised of Lot 4 (NW/4 NW/4 equivalent), the SW/4 NW/4, and the W/2 SW/4 of Section 4 and the W/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the above-referenced well.

A hearing has been requested before a Division Examiner on July 6, 2023, and the status of the hearing can be monitored through the Division's website. Division hearings will commence at 8:15 a.m., traditionally in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and status of the case, you can visit the Division's website at: https://www.emnrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441.

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Sincerely,

Darin C. Savage

Attorney for Cimarex Energy Co.



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June 14, 2023

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Cimarex Energy Co., for a horizontal spacing unit and

compulsory pooling, Lea County, New Mexico

Loosey Goosey 4-9 Fed Com 302H Well (Case No. 23599)

Case No. 23599:

Dear Interest Owners:

This letter is to advise you that Cimarex Energy Co. ("Cimarex") has filed the enclosed application, Case No. 23599, with the New Mexico Oil Conservation Division ("Division") for the compulsory pooling of all uncommitted interests in the Wolfcamp formation, designated as an oil pool, as described in the application.

In Case No. 23599, Cimarex seeks to establish a standard 320.44-acre, more or less, spacing and proration unit comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the above-referenced well.

A hearing has been requested before a Division Examiner on July 6, 2023, and the status of the hearing can be monitored through the Division's website. Division hearings will commence at 8:15 a.m., traditionally in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and status of the case, you can visit the Division's website at: https://www.emnrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441.

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If you have any questions about this matter, please contact John Coffman at (432) 571-7883 or at john.coffman@coterra.com.

Sincerely,

Darin C. Savage

Attorney for Cimarex Energy Co.



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Nebraska Kansas
Montana Wyoming
Oklahoma California
North Dakota

June 14, 2023

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Cimarex Energy Co., for a horizontal spacing unit and

compulsory pooling, Lea County, New Mexico

Loosey Goosey 4-9 Fed Com 303H Well (Case No. 23600)

Case No. 23600:

Dear Interest Owners:

This letter is to advise you that Cimarex Energy Co. ("Cimarex") has filed the enclosed application, Case No. 23600, with the New Mexico Oil Conservation Division ("Division") for the compulsory pooling of all uncommitted interests in the Wolfcamp formation, designated as an oil pool, as described in the application.

In Case No. 23600, Cimarex seeks to establish a standard 320.66-acre, more or less, spacing and proration unit comprised of Lot 2 (NW/4 NE/4 equivalent), the SW/4 NE/4, and the W/2 SE/4 of Section 4 and the W/2 E/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the above-referenced well.

A hearing has been requested before a Division Examiner on July 6, 2023, and the status of the hearing can be monitored through the Division's website. Division hearings will commence at 8:15 a.m., traditionally in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and status of the case, you can visit the Division's website at: https://www.emnrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441.

abadieschill.com

O: 970.385.4401 • F: 970.385.4901

You are being notified as an interest owner (subject to title examination) and are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 19.15.4.13.B NMAC to file a Prehearing Statement at least four business days in advance of a scheduled hearing, but in no event later than 5 p.m. mountain time on the Thursday preceding the scheduled hearing date. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: The names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact John Coffman at (432) 571-7883 or at john.coffman@coterra.com.

Sincerely,

Darin C. Savage

Attorney for Cimarex Energy Co.



ABADIE I SCHILL PC

Colorado New Mexico
Louisiana Texas
Nebraska Kansas
Montana Wyoming
Oklahoma California
North Dakota

June 14, 2023

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Cimarex Energy Co., for a horizontal spacing unit and

compulsory pooling, Lea County, New Mexico

Loosey Goosey 4-9 Fed Com 304H Well (Case No. 23601)

Case No. 23601:

Dear Interest Owners:

This letter is to advise you that Cimarex Energy Co. ("Cimarex") has filed the enclosed application, Case No. 23601, with the New Mexico Oil Conservation Division ("Division") for the compulsory pooling of all uncommitted interests in the Wolfcamp formation, designated as an oil pool, as described in the application.

In Case No. 23601, Cimarex seeks to establish a standard 320.89-acre, more or less, spacing and proration unit comprised of Lot 1 (NE/4 NE/4 equivalent), the SE/4 NE/4, and the E/2 SE/4 of Section 4 and the E/2 E/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the above-referenced well.

A hearing has been requested before a Division Examiner on July 6, 2023, and the status of the hearing can be monitored through the Division's website. Division hearings will commence at 8:15 a.m., traditionally in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and status of the case, you can visit the Division's website at: https://www.emnrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441.

abadieschill.com

O: 970.385.4401 • F: 970.385.4901

You are being notified as an interest owner (subject to title examination) and are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 19.15.4.13.B NMAC to file a Prehearing Statement at least four business days in advance of a scheduled hearing, but in no event later than 5 p.m. mountain time on the Thursday preceding the scheduled hearing date. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: The names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact John Coffman at (432) 571-7883 or at john.coffman@coterra.com.

Sincerely,

Darin C. Savage

Attorney for Cimarex Energy Co.

Mail Activity Report - CertifiedPro.net
Mailed from 6/1/2023 to 6/30/2023
User Name: abadieschill
Generated: 8/2/2023 10:45:43 AM

USPS Article Number	Ownership Date Mai	ed Name 1	Name 2	Address 1	Address 2	City	State	Zip Mailing Statu	Service Options
9314869904300108974351	RI 6/14/23	Bureau of Land Management		414 W Taylor St		Hobbs	NM	88240 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108984206	WI 6/14/23	Chase Oil Corporation		PO Box 1767		Artesia	NM	88211 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974375	WI 6/14/23	HOG Partnership, LP		5950 Cedar Springs Rd.		Dallas	TX	75235 Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974382	WI 6/14/23	Challenger Crude, Ltd.		400 West Illinois Ave.	Suite 1210	Midland	TX	79701 Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974399	WI 6/14/23	Read & Stevens, Inc.		300 N. Marienfeld St.	Suite 1000	Midland	TX	79701 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974405	WI 6/14/23	First Century Oil, Inc.		300 N. Marienfeld St.	Suite 1000	Midland	TX	79701 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974412	WI 6/14/23	Francis Hill Hudson,	Trustee of Lindy's Living Trust	4200 S. Hulen St.	Suite 302	Fort Worth	TX	76109 Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974429	WI 6/14/23	Bank of America, N.A., Successor Trustee of	the Delmar Hudson Lewis Living Trust	301 Commerce St.	Suite 2400	Fort Worth	TX	76102 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974436	WI 6/14/23	Magnum Hunter Production		600 N. Marienfeld St.	Suite 600	Midland	TX	79701 Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974443	WI 6/14/23	Zorro Partners, Ltd.		616 Texas St.		Fort Worth	TX	76102 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974450	WI 6/14/23	Frost Bank, Trustee of the Josephine T. Hudson	Testamentary Trust FBO J. Terrell Ard	640 Taylor Street	17th floor	Fort Worth	TX	76102 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974467	WI 6/14/23	Ard Oil, LTD		PO Box 101027		Fort Worth	TX	76185 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974498	WI 6/14/23	Avalon Energy Corporation		310 West Wall St.	Suite 305	Midland	TX	79701 Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974504	WI 6/14/23	Wilbanks Reserve Corporation		450 E. 17th Ave	Suite 220	Denver	CO	80203 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974511	WI 6/14/23	Prime Rock Resources AgentCo, Inc., as nominee for	the benefit of Prime Rock Resources, LLC	203 W. Wall Street	Suite 1000	Midland	TX	79701 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974528	WI 6/14/23	Marks Oil, Inc.		1775 Sherman St.	Suite 2990	Denver	CO	80203 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974535	WI 6/14/23	Javelina Partners		616 Texas St.		Fort Worth	TX	76102 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974542	WI 6/14/23	William A. Hudson, II		616 Texas St.		Fort Worth	TX	76102 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974559	WI 6/14/23	Union Hill Oil & Gas Co. Inc.		7712 Glenshannon Circle	!	Dallas	TX	75225 Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108984091	WI 6/14/23	Moore & Shelton Co., Ltd		PO Box 3070		Galveston	TX	77552 Delivered	Return Receipt - Electronic, Certified Mail

Mail Activity Report - CertifiedPro.net Mailed from 6/1/2023 to 6/30/2023 User Name: abadieschill Generated: 8/2/2023 10:45:43 AM

USPS Article Number	Ownershi	p Date Mailed	Name 1	Name 2	Address 1	Address 2	City	State	Zip	Mailing Status	Service Options
9314869904300108974351	RI	6/14/23	Bureau of Land Management		414 W Taylor St		Hobbs	NM	88240	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974603	WI	6/14/23	Tierra Encantada, LLC		P.O. Box 811		Roswell	NM	88202	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974610	WI	6/14/23	David Luna		P.O. Box 1518		Roswell	NM	88202	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108984206	WI	6/14/23	Chase Oil Corporation		PO Box 1767		Artesia	NM	88211	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974375	WI	6/14/23	HOG Partnership, LP		5950 Cedar Springs Rd.		Dallas	TX	75235	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974382	WI	6/14/23	Challenger Crude, Ltd.		400 West Illinois Ave.	Suite 1210	Midland	TX	79701	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974399	WI	6/14/23	Read & Stevens, Inc.		300 N. Marienfeld St.	Suite 1000	Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974405	WI	6/14/23	First Century Oil, Inc.		300 N. Marienfeld St.	Suite 1000	Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974412	WI	6/14/23	Francis Hill Hudson,	Trustee of Lindy's Living Trust	4200 S. Hulen St.	Suite 302	Fort Worth	1 TX	76109	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974429	WI	6/14/23	Bank of America, N.A., Successor Trustee of	the Delmar Hudson Lewis Living Trust	301 Commerce St.	Suite 2400	Fort Worth	1 TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974436	WI	6/14/23	Magnum Hunter Production		600 N. Marienfeld St.	Suite 600	Midland	TX	79701	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974443	WI	6/14/23	Zorro Partners, Ltd.		616 Texas St.		Fort Worth	1 TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974450	WI	6/14/23	Frost Bank, Trustee of the Josephine T. Hudson	Testamentary Trust FBO J. Terrell Ard	640 Taylor Street	17th floor	Fort Worth	1 TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974467	WI	6/14/23	Ard Oil, LTD		PO Box 101027		Fort Worth	1 TX	76185	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974498	WI	6/14/23	Avalon Energy Corporation		310 West Wall St.	Suite 305	Midland	TX	79701	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974504	WI	6/14/23	Wilbanks Reserve Corporation		450 E. 17th Ave	Suite 220	Denver	CO	80203	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974511	WI	6/14/23	Prime Rock Resources AgentCo, Inc., as nominee for	the benefit of Prime Rock Resources, LLC	203 W. Wall Street	Suite 1000	Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974528	WI	6/14/23	Marks Oil, Inc.		1775 Sherman St.	Suite 2990	Denver	CO	80203	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974535	WI	6/14/23	Javelina Partners		616 Texas St.		Fort Worth	1 TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974542	WI	6/14/23	William A. Hudson, II		616 Texas St.		Fort Worth	1 TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974559	WI	6/14/23	Union Hill Oil & Gas Co. Inc.		7712 Glenshannon Circle		Dallas	TX	75225	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974580	WI	6/14/23	Carolyn R. Beall		PO Box 3098		Midland	TX	79702	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974597	WI	6/14/23	Diamond Star Production Co., LLC		331 G St, SW		Ardmore	OK	73401	Undelivered - To Be Returne	ed Return Receipt - Electronic, Certified Mail
9314869904300108984091	WI	6/14/23	Moore & Shelton Co., Ltd		PO Box 3070		Galveston	TX	77552	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974566	WI	6/14/23	Highland (Texas) Energy Company		11886 Greenville Ave	Suite 106	Dallas	TX	75243	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974573	WI	6/14/23	Richardson Oil Company, LLC		11886 Greenville Ave	Suite 106	Dallas	TX	75243	Mailed	Return Receipt - Electronic, Certified Mail

Mail Activity Report - CertifiedPro.net Mailed from 6/1/2023 to 6/30/2023 User Name: abadieschill Generated: 8/2/2023 10:45:43 AM

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9314869904300108974351	RI	6/14/23	Bureau of Land Management		414 W Taylor St		Hobbs	NM	88240	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974641	WI	6/14/23	CBR Oil Properties, LLC		400 N. Pennsylvania	Suite 1080	Roswell	NM	88201	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974658	WI	6/14/23	Laura K. Read, LLC		P.O. Box 1090		Roswell	NM	88202	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108984206	WI	6/14/23	Chase Oil Corporation		PO Box 1767		Artesia	NM	88211	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974375	WI	6/14/23	HOG Partnership, LP		5950 Cedar Springs Rd.		Dallas	TX	75235	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974382	WI	6/14/23	Challenger Crude, Ltd.		400 West Illinois Ave.	Suite 1210	Midland	TX	79701	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974399	WI	6/14/23	Read & Stevens, Inc.		300 N. Marienfeld St.	Suite 1000	Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974405	WI	6/14/23	First Century Oil, Inc.		300 N. Marienfeld St.	Suite 1000	Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974412	WI	6/14/23	Francis Hill Hudson,	Trustee of Lindy's Living Trust	4200 S. Hulen St.	Suite 302	Fort Worth	TX	76109	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974429	WI	6/14/23	Bank of America, N.A., Successor Trustee of	the Delmar Hudson Lewis Living Trust	301 Commerce St.	Suite 2400	Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974436	WI	6/14/23	Magnum Hunter Production		600 N. Marienfeld St.	Suite 600	Midland	TX	79701	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974443	WI	6/14/23	Zorro Partners, Ltd.		616 Texas St.		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974450	WI	6/14/23	Frost Bank, Trustee of the Josephine T. Hudson	Testamentary Trust FBO J. Terrell Ard	640 Taylor Street	17th floor	Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974467	WI	6/14/23	Ard Oil, LTD		PO Box 101027		Fort Worth	TX	76185	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974498	WI	6/14/23	Avalon Energy Corporation		310 West Wall St.	Suite 305	Midland	TX	79701	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974504	WI	6/14/23	Wilbanks Reserve Corporation		450 E. 17th Ave	Suite 220	Denver	CO	80203	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974511	WI	6/14/23	${\sf PrimeRockResourcesAgentCo,Inc.,asnomineefor}$	the benefit of Prime Rock Resources, LLC	203 W. Wall Street	Suite 1000	Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974528	WI	6/14/23	Marks Oil, Inc.		1775 Sherman St.	Suite 2990	Denver	CO	80203	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974535	WI	6/14/23	Javelina Partners		616 Texas St.		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974542	WI	6/14/23	William A. Hudson, II		616 Texas St.		Fort Worth	TX	76102	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974559	WI	6/14/23	Union Hill Oil & Gas Co. Inc.		7712 Glenshannon Circle		Dallas	TX	75225	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108974627	WI	6/14/23	MRC Permian Company		5400 LBJ Freeway	Suite 1500	Dallas	TX	75240	Mailed	Return Receipt - Electronic, Certified Mail
9314869904300108974634	WI	6/14/23	CM Resources II, LLC		300 N. Marienfeld St.	Suite 1000	Midland	TX	79701	Delivered	Return Receipt - Electronic, Certified Mail
9314869904300108984091	WI	6/14/23	Moore & Shelton Co., Ltd		PO Box 3070		Galveston	TX	77552	Delivered	Return Receipt - Electronic, Certified Mail



June 23, 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 0108 9746 58.

Item Details

Status: Delivered, Individual Picked Up at Post Office

Status Date / Time: June 22, 2023, 12:21 p.m.
Location: ROSWELL, NM 88201

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Laura K Read LLC

Shipment Details

Weight: 2.0oz

Recipient Signature

Signature of Recipient:

D Golusha

PO BOX 1090

Address of Recipient:

ROSWELL, NM 88202-1090

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

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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 0108 9746 41.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room

Status Date / Time:June 20, 2023, 12:02 p.m.Location:ROSWELL, NM 88201

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: CBR Oil Properties LLC

Shipment Details

Weight: 2.0oz

Destination Delivery Address

Street Address: 400 N PENNSYLVANIA AVE City, State ZIP Code: ROSWELL, NM 88201-4754

Recipient Signature

Signature of Recipient:

Address of Recipient:

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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 0108 9746 34.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: June 17, 2023, 12:23 p.m.

Location: MIDLAND, TX 79701

Postal Product: First-Class Mail®
Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: CM Resources II LLC

Shipment Details

Weight: 2.0oz

Destination Delivery Address

Street Address: 300 N MARIENFELD ST STE 1000

City, State ZIP Code: MIDLAND, TX 79701-4688

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



June 22, 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 0108 9746 03.

Item Details

Status: Delivered, Individual Picked Up at Post Office

Status Date / Time:

Location:

June 21, 2023, 02:43 p.m.

ROSWELL, NM 88201

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Tierra Encantada LLC

Shipment Details

Weight: 2.0oz

Recipient Signature

Signature of Recipient:

PO BOX 811

Address of Recipient:

ROSWELL, NM 88202-0811

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

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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 0108 9745 80**.

Item Details

Status:Delivered, Left with IndividualStatus Date / Time:June 20, 2023, 01:36 p.m.Location:MIDLAND, TX 79701Postal Product:First-Class Mail®

Certified Mail™

Return Receipt Electronic

Recipient Name: Carolyn R Beall

Shipment Details

Extra Services:

Weight: 2.0oz

Recipient Signature

Signature of Recipient:

Address of Recipient:

Strans

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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.



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 0108 9745 59**.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: June 17, 2023, 04:20 p.m.

Location: DALLAS, TX 75225 **Postal Product:** First-Class Mail®

Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: Union Hill Oil Gas Co Inc

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 7712 GLENSHANNON CIR **City, State ZIP Code:** DALLAS, TX 75225-2054

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

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



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 0108 9745 42.

Item Details	
Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Front Desk/Reception/Mail Room June 20, 2023, 01:08 p.m. FORT WORTH, TX 76102 First-Class Mail® Certified Mail™ Return Receipt Electronic
Recipient Name:	William A Hudson II
Shipment Details	
Weight:	6.0oz
Destination Delivery Address	
City, State ZIP Code:	FORT WORTH, TX 76102-4662
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, United States Postal Service® 475 L'Enfant Plaza SW Washington, D.C. 20260-0004

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



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 0108 9745 35.

Status:	Delivered, Front Desk/Reception/Mail Room
Status Date / Time:	June 20, 2023, 01:08 p.m.
Location:	FORT WORTH, TX 76102
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic
Recipient Name:	Javelina Partners
Shipment Details	
Weight:	6.0oz
Destination Delivery Address	
City, State ZIP Code:	FORT WORTH, TX 76102-4662
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, United States Postal Service® 475 L'Enfant Plaza SW Washington, D.C. 20260-0004

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



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 0108 9745 28.

Item Details

Status: Delivered to Agent for Final Delivery

Status Date / Time: June 17, 2023, 03:55 p.m. Location: DENVER, CO 80218

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Marks Oil Inc

Shipment Details

Weight: 6.0oz

Recipient Signature

Signature of Recipient: (Authorized Agent)

Address of Recipient:

Did to Dany

1775 Shertan - 2015

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

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.



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 0108 9745 11.

Item Details

Status: Delivered, Left with Individual Status Date / Time: June 20, 2023, 03:29 p.m.

Location: MIDLAND, TX 79701 **Postal Product:** First-Class Mail®

Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: Prime Rock Resources AgentCo Inc as nominee f

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 203 W WALL ST STE 1000 City, State ZIP Code: MIDLAND, TX 79701-4525

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

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



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 0108 9745 04.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room

Status Date / Time:June 17, 2023, 02:50 p.m.Location:DENVER, CO 80203

Postal Product:First-Class Mail®Extra Services:Certified Mail™

Return Receipt Electronic

Recipient Name: Wilbanks Reserve Corporation

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address:450 E 17TH AVE UNIT 220City, State ZIP Code:DENVER, CO 80203-1254

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.

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.



June 22, 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 0108 9744 81.

Item Details

Status: Delivered, Individual Picked Up at Post Office

Status Date / Time: June 21, 2023, 12:03 p.m. Location: ARTESIA, NM 88210

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Chase Oil Corporation

Shipment Details

Weight: 6.0oz

Recipient Signature

Signature of Recipient:

Vannica Sote

Address of Recipient:

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

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.



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 0108 9744 67**.

Item Details

Status: Delivered

Status Date / Time: June 17, 2023, 06:53 a.m. Location: FORT WORTH, TX 76185

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Ard Oil LTD

Shipment Details

Weight: 6.0oz

Destination Delivery Address

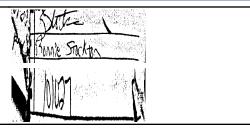
Street Address: PO BOX 101027

City, State ZIP Code: FORT WORTH, TX 76185-1027

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

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



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 0108 9744 50**.

Item Details

Status:Delivered, Left with IndividualStatus Date / Time:June 17, 2023, 12:00 p.m.Location:FORT WORTH, TX 76102

Postal Product: First-Class Mail® Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: Frost Bank Trustee of the Josephine T Hudson T

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 640 TAYLOR ST

City, State ZIP Code: FORT WORTH, TX 76102-4809

Recipient Signature

Signature of Recipient:

Address of Recipient:

- Tollo lay for (Fort)

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

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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.



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 0108 9744 43**.

Status:	Delivered, Front Desk/Reception/Mail Room
Status Date / Time:	June 20, 2023, 01:08 p.m.
Location:	FORT WORTH, TX 76102
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic
Recipient Name:	Zorro Partners Ltd
Shipment Details	
Weight:	6.0oz
Destination Delivery Address	
City, State ZIP Code:	FORT WORTH, TX 76102-4662
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, United States Postal Service® 475 L'Enfant Plaza SW Washington, D.C. 20260-0004

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



June 28, 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 0108 9744 29.

Item Details

Status: Delivered, Left with Individual Status Date / Time: June 27, 2023, 12:01 p.m.

Location: FORT WORTH, TX 76102

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Bank of America N A Successor Trustee of the

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 301 COMMERCE ST STE 2400 City, State ZIP Code: FORT WORTH, TX 76102-4124

Recipient Signature

Signature of Recipient:

Address of Recipient:

1011 1911

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



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 0108 9744 05.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: June 17, 2023, 12:23 p.m.

Location: MIDLAND, TX 79701

Postal Product: First-Class Mail®
Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: First Century Oil Inc

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 300 N MARIENFELD ST STE 1000

City, State ZIP Code: MIDLAND, TX 79701-4688

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



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 0108 9743 99**.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: June 17, 2023, 12:23 p.m.

Location: MIDLAND, TX 79701

Postal Product: First-Class Mail®
Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: Read Stevens Inc

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 300 N MARIENFELD ST STE 1000

City, State ZIP Code: MIDLAND, TX 79701-4688

Recipient Signature

Signature of Recipient:

Address of Recipient:

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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.



June 26, 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 0108 9743 68.

Item Details

Status: Delivered, Individual Picked Up at Post Office

Status Date / Time:June 23, 2023, 04:18 p.m.Location:GALVESTON, TX 77551

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Moore Shelton Co Ltd

Shipment Details

Weight: 6.0oz

Recipient Signature

Signature of Recipient:

A MARA RAILE

Address of Recipient:

PO NOX 3:71

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

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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.



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 0108 9743 51.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: June 20, 2023, 02:16 p.m.

Location:HOBBS, NM 88240Postal Product:First-Class Mail®Extra Services:Certified Mail™

Return Receipt Electronic

Recipient Name: Bureau of Land Management

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 414 W TAYLOR ST

City, State ZIP Code: HOBBS, NM 88240-6054

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

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



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 0108 9842 75.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: June 17, 2023, 04:20 p.m.

Location: DALLAS, TX 75225 **Postal Product:** First-Class Mail®

Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: Union Hill Oil Gas Co Inc

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 7712 GLENSHANNON CIR **City, State ZIP Code:** DALLAS, TX 75225-2054

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

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



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 0108 9842 68.

Status:	Delivered, Front Desk/Reception/Mail Room
Status Date / Time:	June 20, 2023, 01:08 p.m.
Location:	FORT WORTH, TX 76102
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic
Recipient Name:	William A Hudson II
Shipment Details	
Weight:	6.0oz
Destination Delivery Address	
City, State ZIP Code:	FORT WORTH, TX 76102-4662
Recipient Signature	
Signature of Recipient:	
Address of Recipient:	

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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.



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 0108 9842 51.

Item Details	
Status:	Delivered, Front Desk/Reception/Mail Room
Status Date / Time:	June 20, 2023, 01:08 p.m.
Location:	FORT WORTH, TX 76102
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic
Recipient Name:	Javelina Partners
Shipment Details	
Weight:	6.0oz
Destination Delivery Address	
City, State ZIP Code:	FORT WORTH, TX 76102-4662
Recipient Signature	
Signature of Recipient:	
Address of Recipient:	
Natar Casara ad impaga many reflect a different dection	ation address due to Intended Deciniont's delivery instructions on file

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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.



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 0108 9842 44.

Item Details

Status: Delivered to Agent for Final Delivery

Status Date / Time: June 17, 2023, 03:55 p.m. Location: DENVER, CO 80218

Postal Product:First-Class Mail®Extra Services:Certified Mail™

Return Receipt Electronic

Recipient Name: Marks Oil Inc

Shipment Details

Weight: 6.0oz

Recipient Signature

Signature of Recipient: (Authorized Agent)

Address of Recipient:

Rider Dany

1775 Sherran-2015

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

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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.



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 0108 9842 37.

Item Details

Status: Delivered, Left with Individual

 Status Date / Time:
 June 20, 2023, 03:29 p.m.

 Location:
 MIDLAND, TX 79701

Postal Product: First-Class Mail®
Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: Prime Rock Resources AgentCo Inc as nominee

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 203 W WALL ST STE 1000 City, State ZIP Code: MIDLAND, TX 79701-4525

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

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



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 0108 9842 20.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room

Status Date / Time:June 17, 2023, 02:50 p.m.Location:DENVER, CO 80203

Postal Product:First-Class Mail®Extra Services:Certified Mail™

Return Receipt Electronic

Recipient Name: Wilbanks Reserve Corporation

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address:450 E 17TH AVE UNIT 220City, State ZIP Code:DENVER, CO 80203-1254

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

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



June 22, 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 0108 9842 06**.

Item Details

Status: Delivered, Individual Picked Up at Post Office

Status Date / Time:June 21, 2023, 12:03 p.m.Location:ARTESIA, NM 88210

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Chase Oil Corporation

Shipment Details

Weight: 6.0oz

Recipient Signature

Signature of Recipient:

Vannica Sote

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

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



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 0108 9841 90**.

Item Details

Status: Delivered

Status Date / Time:June 17, 2023, 06:53 a.m.Location:FORT WORTH, TX 76185

Postal Product: First-Class Mail® Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: Ard Oil LTD

Shipment Details

Weight: 6.0oz

Destination Delivery Address

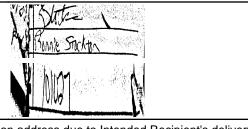
Street Address: PO BOX 101027

City, State ZIP Code: FORT WORTH, TX 76185-1027

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

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



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 0108 9841 83.

Item Details

Status:Delivered, Left with IndividualStatus Date / Time:June 17, 2023, 12:00 p.m.Location:FORT WORTH, TX 76102

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Frost Bank Trustee of the Josephine T Hudson

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 640 TAYLOR ST

City, State ZIP Code: FORT WORTH, TX 76102-4809

Recipient Signature

Signature of Recipient:

Address of Recipient:

H. BHANT SC.

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

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.



June 21, 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 0108 9841 76**.

Item Details	
Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Front Desk/Reception/Mail Room June 20, 2023, 01:07 p.m. FORT WORTH, TX 76102 First-Class Mail® Certified Mail™ Return Receipt Electronic
Recipient Name:	Zorro Partners Ltd
Shipment Details	
Weight:	6.0oz
Destination Delivery Address	
City, State ZIP Code:	FORT WORTH, TX 76102-4662
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, United States Postal Service® 475 L'Enfant Plaza SW Washington, D.C. 20260-0004

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



June 28, 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 0108 9841 52.

Item Details

Status:Delivered, Left with IndividualStatus Date / Time:June 27, 2023, 12:01 p.m.

Location: FORT WORTH, TX 76102

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Bank of America N A Successor Trustee of the

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 301 COMMERCE ST STE 2400 City, State ZIP Code: FORT WORTH, TX 76102-4124

Recipient Signature

Signature of Recipient:

Address of Recipient:

40111910 8100

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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.



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 0108 9841 38.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: June 17, 2023, 12:23 p.m.

Location: MIDLAND, TX 79701

Postal Product: First-Class Mail®
Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: First Century Oil Inc

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 300 N MARIENFELD ST STE 1000

City, State ZIP Code: MIDLAND, TX 79701-4688

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.

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.



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 0108 9841 21.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: June 17, 2023, 12:23 p.m.

Location: MIDLAND, TX 79701

Postal Product: First-Class Mail®
Extra Services: Certified Mail™

Return Receipt Electronic

Recipient Name: Read Stevens Inc

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 300 N MARIENFELD ST STE 1000

City, State ZIP Code: MIDLAND, TX 79701-4688

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.

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.



June 26, 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 0108 9840 91.

Item Details

Status: Delivered, Individual Picked Up at Post Office

Status Date / Time:June 23, 2023, 04:18 p.m.Location:GALVESTON, TX 77551

Postal Product: First-Class Mail[®]
Extra Services: Certified Mail[™]

Return Receipt Electronic

Recipient Name: Moore Shelton Co Ltd

Shipment Details

Weight: 6.0oz

Recipient Signature

Signature of Recipient:

Address of Recipient:

PO NOR 3171

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

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.



June 21, 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 0108 9840 84.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: June 20, 2023, 02:16 p.m.

Location:HOBBS, NM 88240Postal Product:First-Class Mail®Extra Services:Certified Mail™

Return Receipt Electronic

Recipient Name: Bureau of Land Management

Shipment Details

Weight: 6.0oz

Destination Delivery Address

Street Address: 414 W TAYLOR ST

City, State ZIP Code: HOBBS, NM 88240-6054

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.

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.

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 June 18, 2023 and ending with the issue dated June 18, 2023.

Publisher

Sworn and subscribed to before me this 18th day of June 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

LEGAL NOTICE June 18, 2023

CASE No. 23594: Notice -- to all parties and persons having any right, title, interest or claim in this case, including owners of working interest, overriding royalty interest, and record title, among others, whether such CASE No. 23594: Notice — to all parties and persons having any right, title, interest or claim in this case, including owners of working interest, overriding royalty interest, and record title, among others, whether such parties or persons are listed herein or not, as well as notice to all known and unknown heirs, devisees, assigns and successors of such affected parties and persons, which based on reasonable diligence include MOORE & SHELTON CO., LTD: HOG PARTNERSHIP, LP: CHALLENGER CRUDE, LTD.; READ & STEVENS, INC.; FIRST CENTURY OIL, INC.; FRANCIS HILL HUDSON, TRUSTEE OF LINDY'S LIVING TRUST; BANK OF AMERICA, N.A., SUCCESSOR TRUSTEE OF THE DELMAR HUDSON LEWIS LIVING TRUST; MAGNUM HUNTER PRODUCTION; ZORRO PARTNERS, LTD.; FROST BANK, TRUSTEE OF THE JOSEPHINE T. HUDSON TESTAMENTARY TRUST FRO J. TERRELL ARD; AND OIL, LTD; CHASE OIL CORPORATION; AVALON ENERGY CORPORATION; WILBANK'S RESERVE CORPORATION; AVALON ENERGY CORPORATION; WILBANK'S RESERVE CORPORATION; PRIME ROCK RESOURCES, LLC; MARKS OIL, INC.; JAVELINA PARTNERS; WILLIAM A. HUDSON, II; UNION HILL OIL & GAS CO. INC.; HIGHLAND (TEXAS) ENERGY COMPANY; RICHARDSON OIL COMPANY, LLC; CAROLYN R. BEALL; DIAMOND STAR PRODUCTION CO., L.C.; TIERRA ENCANTADA, LLC AND DAVID LUNA — of Cimarex Energy Co.'s application for approval of a spacing unif and compulsory pooling, Lea County, New Mexico. The State of New Mexico, through its Oil Conservation Division, hereby gives notice that the Division Examiner will conduct a public hearing at 8:15 a.m. on July 6, 2023, traditionally held at 1220 S. St. Francis, Santa Fe, New Mexico, 37505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and the status of the case, you can visit the Division's website at https://www.emrof.umgov/ocd/dhearing-info/ or call (505) 476-3441. Cimarex Energy Co. (operational office at 600 N. Marienfeld St. Sulte 600, 79701; HO office at 1700 Lincoln Street, Sulte 3700, Denver CO 80203) seeks an order from the Division pooling

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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 June 18, 2023 and ending with the issue dated June 18, 2023.

Publisher

Sworn and subscribed to before me this 18th day of June 2023.

Business Manager

My commission expires

(Seal)

January 29, 2025 TATE 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

LEGAL NOTICE June 18, 2023

CASE No. 23595: Notice -- to all parties and persons having any right, title, interest or claim in this case, including owners of working interest, overriding royalty interest, and record title, among others, whether such parties or persons are listed herein or not, as well as notice to all known and unknown helrs, devisees, assigns and successors of such affected parties and persons which head on respectable dilligence include MOOPS. and unknown helrs, devisees, assigns and successors of such affected parties and persons, which based on reasonable diligence include MOORE & SHELTON CO., LTD; HOG PARTNERSHIP, LP; CHALLENGER CRUDE, LTD.; READ & STEVENS, INC.; FIRST CENTURY OIL, INC.; FRANCIS HILL HUDSON, TRUSTEE OF LINDY'S LIVING TRUST; BANK OF AMERICA, N.A., SUCCESSOR TRUSTEE OF THE DELMAR HUDSON LEWIS LIVING TRUST; MAGNUM HUNTER PRODUCTION; ZORRO PARTNERS, LTD.; FROST BANK, TRUSTEE OF THE JOSEPHINE T. HUDSON TESTAMENTARY TRUST FBO J. TERRELL ARD; ARD OIL, LTD; CHASE OIL CORPORATION; AVALON ENERGY CORPORATION; WILBANKS RESERVE CORPORATION; PRIME ROCK RESOURCES AGENTCO, INC., AS NOMINEE FOR THE BENEFIT OF PRIME ROCK RESOURCES, LLC; MARKS OIL, INC.; JAVELINA PARTNERS; WILLIAM A. HUDSON, II; UNION HILL OIL & GAS CO. INC.; MRC PERMIAN COMPANY; CM RESOURCES II, LLC; CBR OIL PROPERTIES, LLC AND LAURA K. READ, LLC— of Cimarex Energy Co.'s application for approval of a spacing unit and compulsory pooling, Lea application for approval of a spacing unit and compulsory pooling, Lea County, New Mexico. The State of New Mexico, through its Oil Conservation Division, hereby gives notice that the Division Examiner will conduct a public hearing at 8:15 a.m. on July 6, 2023, traditionally held at 1220 S. St. Francis, Santa Fe, New Mexico, 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access salta Fe, New Mexico, 57505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and the status of the case, you can visit the Division's website at: https://www.emnrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441. Cimarex Energy Co. (operational office at 600 N. Marienfeld St. Suite 600, 79701, HQ office at 1700 Lincoln Street, Suite 3700, Denver CO 80203) seeks an order from the Division pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.04-acre, more or less, spacing and proration unit comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 5 and the E/2 W/2 of Section 8, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 5 is an irregular section containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is the Mighty Pheasant 5-8 Fed Com 302H Well, an oil well, to be horizontally drilled from a surface location in Lot 4 (NW/4 NW/4 equivalent) of Section 5 to a bottom hole location in the SE/4 SW/4 (Unit N) of Section 8. The well will be orthodox, and the take points and completed interval will comply with the setback requirements under the statewide Rules; also to be considered will be the cost of drilling and completing the well and the allocation of the costs thereof; actual operating costs and charges for supervision, downhole commingling, to the extent and if necessary, the designation of the Applicant as Operator of the well and unit; and a 200% charge for the risk involved in drilling and completing the well. The well and lands are located approximately 40 miles northeast of Carlsbad, New Mexico. #00279695

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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 June 18, 2023 and ending with the issue dated June 18, 2023.

Publisher

Sworn and subscribed to before me this 18th day of June 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

LEGAL NOTICE June 18, 2023

CASE No. 23596: Notice — to all parties and persons having any right, title, interest or claim in this case, including owners of working interest, overriding royalty interest, and record title, among others, whether such parties or persons are listed herein or not, as well as notice to all known and unknown heirs, devisees, assigns and successors of such affected parties and persons, which based on reasonable diligence include MOORE & SHELTON CO., LTD; HOG PARTNERSHIP, LP; CHALLENGER CRUDE, LTD.; READ & STEVENS, INC.; FIRST CENTURY OIL, INC.; FRANCIS HILL HUDSON, TRUSTEE OF LINDY'S LIVING TRUST; BANK OF AMERICA, N.A., SUCCESSOR TRUSTEE OF THE DELMAR HUDSON LEWIS LIVING TRUST; MAGNUM HUNTER PRODUCTION; ZORRO PARTNERS, LTD.; FROST BANK, TRUSTEE OF THE JOSEPHINE T. HUDSON TESTAMENTARY TRUST FBO J. TERRELL ARD; ARD OIL, LTD; CHASE OIL CORPORATION; AVALON ENERGY CORPORATION; WILBANKS RESERVE CORPORATION; AVALON ENERGY CORPORATION; WILBANKS RESERVE CORPORATION; AVALON ENERGY CORPORATION; WILBANKS RESERVE CORPORATION; DAVELINA PARTNERS; WILLIAM A. HUDSON, II and UNION HILL OIL & GAS CO. INC. — of Cimarex Energy Co.'s application for approval of a spacing unit and compulsory pooling, Lea County, New Mexico. The State of New Mexico, through its Oil Conservation Division, hereby gives notice that the Division Examiner will conduct a public hearing at 8:15 a.m. on July 8, 2023, traditionally held at 1220 S. St. Francis, Santa Fe, New Mexico, 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and the status of the case, you can visit the Division's website at: https://www.emrrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441. Cimarex Energy Co. (operational office at 600 N. Marienfeld St. Suite 600, 79701; HQ office at 1700 Lincoln Street, Suite 3700, Denver CO 80203) seeks an order from the Division pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.06-acre, more or less, spacing

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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 June 18, 2023 and ending with the issue dated June 18, 2023.

Mulfussel Publisher

Sworn and subscribed to before me this 18th day of June 2023.

Business Manager

My commission expires

January 29, 2027

(Sea) 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

LEGAL NOTICE June 18, 2023

CASE No. 23597: Notice — to all parties and persons having any right, title, interest or claim in this case, including owners of working interest, overriding royalty interest, and record title, among others, whether such parties or persons are listed herein or not, as well as notice to all known and unknown heirs, devisees, assigns and successors of such affected parties and persons, which based on reasonable diligence include MOORE & SHELTON CO., LTD; HOG PARTNERSHIP, LP; CHALLENGER CRUDE, LTD.; READ & STEVENS, INC.; FIRST CENTURY OIL, INC.; FRANCIS HILL HUDSON, TRUSTEE OF LINDY'S LIVING TRUST; BANK OF AMERICA, N.A., SUCCESSOR TRUSTEE OF THE DELMAR HUDSON LEWIS LIVING TRUST; MAGNUM HUNTER PRODUCTION; ZORRO PARTNERS, LTD.; FROST BANK, TRUSTEE OF THE JOSEPHINE T. HUDSON TESTAMENTARY TRUST FBO J. TERRELL ARD; ARD OIL, LTD; CHASE OIL CORPORATION; PRIME ROCK RESOURCES AGENTCO, INC., AS NOMINEE FOR THE BENEFIT OF PRIME ROCK RESOURCES, LLC; MARKS OIL, INC.; JAVELINA PARTNERS; WILLIAM A. HUDSON, II and UNION HILL OIL & GAS CO. INC., — of Cimarex Energy Co.'s application for approval of a spacing unit and compulsory pooling, Lee County, New Mexico. The State of New Mexico, through its Oil Conservation Division, hereby gives notice that the Division Examiner will conduct a public hearing at 8:15 a.m. on July 6, 2023, traditionally held at 1220 S. St. Francis, Sanita Fe, New Mexico, 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about rumote access and the status of the case, you can visit the Division's website at: https://www.emmrd.nm.gov/coct/hearing-info/ or call (505) 476-3441. Cimarex Energy Co. (operational office at 600 N. Marienfield St. Suite 600, 79701; HQ office at 1700 Lincoln Street, Suite 3700, Denver CO 80203) seeks an order from the Division pooling all uncommitted interests in the Wolfoamp formation, designated as an oil pool, underlying a standard 320.09-acre, more or less, spacing and proroation unit comprised of Lot 1 (NE/4 NE/4 equival

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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 June 15, 2023 and ending with the issue dated June 15, 2023.

hamlfussell Publisher

Sworn and subscribed to before me this 15th day of June 2023.

Business Manager

My commission expires

January 29, 2027

(Seal) STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087528
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

LEGAL NOTICE June 15, 2023

CASE No. 23598: Notice – to all parties and persons having any right, title, interest or claim in this case, including owners of working interest, overriding royalty interest, and record title, among others, whether such parties or persons are listed herein or not, as well as notice to all known and unknown heirs, devisees, assigns and successors of such affected parties and persons, which based on reasonable diligence include MOORE & SHELTON CO., LTD, HOG PARTINERSHIP, LP; CHALLENGER CRUDE, LTD.; READ & STEVENS, INC.; FIRST CENTURY OIL, INC.; FRANCIS HILL HUDSON, TRUSTEE OF LINDY'S LIVING TRUST; BANK OF AMERICA, N.A., SUCCESSOR TRUSTEE OF THE DELMAR HUDSON LEWIS LIVING TRUST; MAGNUM HUNTER PRODUCTION; ZORRO PARTNERS, LTD.; FROST BANK, TRUSTEE OF THE DESEMBLY T. HUDSON TESTAMENTARY TRUST FBO J. TERRELL ARD; ARD OIL, LTD; CHASE OIL CORPORATION; AVALON ENERGY CORPORATION; WILBANK'S RESERVE CORPORATION; PRIME ROCK RESOURCES AGENTCO, INC., AS NOMINEE FOR THE BENEFIT OF PRIME ROCK RESOURCES, LLC; MARKS OIL, INC.; JAVELINA PARTNERS; WILLIAM A. HUDSON, II and UNION HILL OIL & GAS CO. INC., — of Cimarex Energy Co.'s application for approval of a spacing unit and compulsory pooling, Lea County, New Mexico. The State of New Mexico, through its Oil Conservation Division, hereby gives notice that the Division Examiner will conduct a public hearing at 8:15 a.m. on July 6, 2023, traditionally held at 1220 S. St. Francis, Santa Fe, New Mexico, 87505. However, under current Division polices, the hearing will be conducted remotely online. For information about remote access and the status of the case, you can visit the Division's website at: https://www.emprd.nm.gov/ocd/hearing-info/ or call (505) 476-3441. Cimarex Energy Co. (operational office at 600 N. Marienteld St. Suite 600, 79701; HQ office at 1700 Lincoln Street, Suite 3700, Denver CO 80203) seeks an order from the Division pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.21-acre, more or less, horizontal

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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 June 15, 2023 and ending with the issue dated June 15, 2023.

Publisher

Sworn and subscribed to before me this 15th day of June 2023.

pured

Business Manager

My commission expires

January 29, 2027

(Seal) STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087528

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

LEGAL NOTICE June 15, 2023

CASE No. 23599; Notice — to all parties and persons having any right, title, interest or claim in this case, including owners of working interest, overriding royalty interest, and record title, among others, whether such parties or persons are listed herein or not, as well as notice to all known and unknown heirs, devisees, assigns and successors of such affected parties and persons, which based on reasonable diligence include MOORE & SHELTON CO., LTD; HOG PARTNERSHIP, LP; CHALLENGER CRUDE, LTD.: READ & STEVENS, INC.; FIRST CENTURY OIL, INC.; FRANCIS HILL HUDSON, TRUSTEE OF LINDY'S LIVING TRUST; BANK OF AMERICA, N.A. SUCCESSOR TRUSTEE OF THE DELMAR HUDSON LEWIS LIVING TRUST; MAGNUM HUNTER PRODUCTION; ZORRO PARTNERS, LTD.; FROST BANK, TRUSTEE OF THE JOSEPHINE T. HUDSON TESTAMENTARY TRUST FBO J. TERRELL ARD; ARD OIL, LTD; CHASE OIL CORPORATION; AVALON ENERGY CORPORATION; WILBANKS RESERVE CORPORATION; PRIME ROCK RESOURCES AGENTCO, INC., AS NOMINEE FOR THE BENEFIT OF PRIME ROCK RESOURCES, LLC; MARKS OIL, INC.; JAVELINA PARTNERS; WILLIAM A. HUDSON, II and UNION HILL OIL & GAS CO. INC., — of Cimarex Energy Co.'s application for approval of a BENEFIT OF PRIME ROCK RESOURCES, LLC; MARKS OIL, INC.; JAVELINA PARTNERS; WILLIAM A. HUDSON, II and UNION HILL OIL & GAS CO. INC., — of Cimarex Energy Co.'s application for approval of a spacing unit and compulsory pooling, Lea County, New Mexico. The State of New Mexico, through its Oil Conservation Division, hereby gives notice that the Division Examiner will conduct a public hearing at 8:15 a.m. on July 6, 2023, traditionally held at 1220 S. St. Francis, Santa Fe, New Mexico, 87505. However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and the status of the case, you can visit the Division's website at: https://www.emrrd.nm.gov/ocd/hearing-info/ or call (505) 476-3441. Cimarex Energy Co. (operational office at 600 N. Marienfeld St. Suite 600, 79701: HQ office at 1700 Lincoln Street, Suite 3700, Denver CO 80203) seeks an order from the Division pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.44-acre, more or less, horizontal spacing and proration unit comprised of Lot 3 (NE/4 NW/4 equivalent), the SE/4 NW/4, and the E/2 SW/4 of Section 4 and the E/2 W/2 of Section 9, in Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. Section 4 is an irregular section containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is the Loosey Goosey 4-9 Fed Com 302H Well, an oil well, to be horizontally drilled from a surface location in the SE/4 SW/4 (Unit N) of Section 33, Township 19 South, Range 34 East, NMPM, The well will be orthodox, and the take points and completed interval will comply with the setback requirements under the statewide Rules; also to be considered will be the cost of drilling and completing the well and tunit; the designation of the Applicant as Operator of the well and unit; and a 200% charge for the risk involved in drilling and completing the well. The well and lands are located approximately 40 miles northeast of Carl #00279684

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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 June 15, 2023 and ending with the issue dated June 15, 2023.

Publisher

Sworn and subscribed to before me this 15th day of June 2023.

Business Manager

My commission expires

January 29, 2027

STATE OF NEW MEXICO (Seal) **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

LEGAL NOTICE June 15, 2023

LEGAL NOTICE

June 15, 2023

CASE No. 23600: Notice — to all parties and persons having any right, title, interest or claim in this case, including owners of working interest, overriding royalty interest, and record title, among others, whether such parties or persons are listed herein or not, as well as notice to all known and unknown heirs, devisees, assigns and successors of such affected parties and persons, which based on reasonable diligence include MOORE & SHELTON CO., LTD; HOG PARTNERSHIP. LP; CHALLENGER CRUDE, LTD; READ & STEVENS, INC.; FIRST CENTURY OIL, INC.; FRANCIS HILL HUDSON, TRUSTEE OF LINDY'S LIVING TRUST; BANK OF AMERICA, N.A., SUCCESSOR TRUSTEE OF LINDY'S LIVING TRUST; BANK OF AMERICA, N.A., SUCCESSOR TRUSTEE OF THE DELMAR HUDSON LEWIS LIVING TRUST; MAGNUM HUNTER PRODUCTION; ZORRO PARTNERS, LTD.; FROST BANK, TRUSTEE OF THE JOSEPHINE T. HUDSON TESTAMENTARY TRUST FBO J. TERRELL ARD; ARD OIL, LTD; CHASE OIL CORPORATION; PRIME ROCK RESOURCES AGENTCO, INC., AS NOMINEE FOR THE JAVALINA PARTNERS; WILLIAM A. HUDSON, II and UNION HILL OIL & GAS CO, INC., — of Climarex Energy Co.'s application for approval of a spacing unit and compulsory pooling, Lea County, New Mexico, The State of New Mexico, through its Oil Conservation Division, hereby gives notice that the Division Examiner will conduct a public hearing at 8:15 a.m. on July 6, 2023, traditionally held at 1220 S. St. Francis, Santal Fe, New Mexico, 57505, However, under current Division policies, the hearing will be conducted remotely online. For information about remote access and the status of the case, you can visit the Division's website at: https://www.emprd.nm.gov/cod/hearing-info/ or call (565) 476-3441. Cimarex Energy Co. (operational office at 600 N. Marierfield St. Sulte 600, 79701; HO office at 1700 Lincoln Street, Suite 3700, Denver CO 80203) seeks an order from the Division pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.66-acre, more or less, horizontal spacing and pro

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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 June 15, 2023 and ending with the issue dated June 15, 2023.

Publisher

Sworn and subscribed to before me this 15th day of June 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

Passel

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

LEGAL NOTICE June 15, 2023

LEGAL NOTICE

June 15, 2023

CASE No. 23601; Notice — to all parties and persons having any right, title, interest or claim in this case, including owners of working interest, overriding royalty interest, and record title, among others, whether such parties or persons are listed herein or not, as well as notice to all known and unknown heirs, devisees, assigns and successors of such affected parties and persons, which based on reasonable diligence include MOORE & SHELTON CO., LTD; HOG PARTNERSHIP, LP; CHALLENGER CRUDE, LTD; READ & STEVENS, INC.; FIRST CENTURY OIL, INC.; FRANCIS HILL HUDSON, TRUSTEE OF LINDY'S LIVING TRUST; BANK OF AMERICA, N.A., SUCCESSOR TRUSTEE OF THE DELMAR HUDSON LEWIS LIVING TRUST; MAGNUM HUNTER PRODUCTION; ZORRO PARTNERS, LTD.; FROST BANK, TRUSTEE OF THE JOSEPHINE T. HUDSON TESTAMENTARY TRUST FBO J. TERRELL ARD; ARD OIL, LTD; CHASE OIL CORPORATION, AVALON ENERGY CORPORATION; WILBANKS RESERVE CORPORATION, PRIME ROCK RESOURCES AGENTCO, INC., AS NOMINEE FOR THE BENEFIT OF PRIME ROCK RESOURCES, LLC; MARKS OIL, INC.; JAVELINA PARTNERS; WILLIAM A. HUDSON, II and UNION HILL OIL & GAS CO. INC., — of Cimarex Energy Co.'s application for approval of a spacing unit and compulsory pooling, Lea County, New Mexico, 1750S. However, under current Division policles, the hearing will be conducted remotely online. For information about remote access and the status of the case, you can visit the Division's website at: https://www.emmrd.nm.gov/cd/hearing-info/ or call (505) 476-3441. Cimarex Energy Co. (operational office at 600. N. Marienteld St. Suite 600, 79701; HO office at 1700 Lincoln Street, Suite 3700, Denver CO 80203) seeks an order from the Division pooling all uncommitted interests in the Wolfcamp formation, designated as an oil pool, underlying a standard 320.89-acre, more or less, horizontal spacing and proration unit comprised of Lot 1 (NETA NETA SUITE ACCESSED A

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