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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Reference for Case Nos. 23594-23601
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NMOCD Checklists Case Nos. 23594-23601
Prehearing Statement Case Nos. 23594-23601

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.

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 320.04-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.

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. 23596

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.

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 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.

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 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

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 320.06-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 containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is 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. 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. 23597

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.

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 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

/s/ Darin C. Savage

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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 320.09-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

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.

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 320.21-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. 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 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 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. 23599

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

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 320.66-acre, more or less, horizontal 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 containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is 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 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. 23601

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;

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 320.89-acre, more or less, horizontal 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 containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is 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 South, Range 34 East, NMPM. The well will be orthodox, and the take points and completed intervals 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.

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

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, 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, 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

Well #1	Mighty Pheasant 5-8 Fed Com 301H Well (API No. 30-015-Pending), SHL: Lot 4, 483' FNL, 1272' FWL, Section 5, T20S-R34E; BHL: Unit M, 100' FSL, 330' FWL, 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 301H Well: FTP: 100' FNL, 330' FWL, Section 5; LTP: 100' FSL, 330' FWL, Section 8
Completion Target (Formation, TVD and MD)	Mighty Pheasant 5-8 Fed Com 301H Well: TVD approx. 10,870', TMD 21,057'; Bone Spring formation, See Exhibit A, A-1 & B-2
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-2.1
Tract List (including lease numbers and owners)	Exhibit A-2.1
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-2.1
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-2.1
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
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-2.1
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 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

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED 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

Well #1	Mighty Pheasant 5-8 Fed Com 302H Well (API No. 30-015-Pending), SHL: Lot 4, 483' FNL, 1312' FWL, Section 5, T20S-R34E; BHL: Unit N, 100' FSL, 1744' FWL, 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 302H Well: FTP: 100' FNL, 1744' FWL, Section 5; LTP: Unit N, 100' FSL, 1744' FWL, Section 8
Completion Target (Formation, TVD and MD)	Mighty Pheasant 5-8 Fed Com 302H Well: TVD approx. 10,860', TMD 20,992'; 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-2.2
Tract List (including lease numbers and owners)	Exhibit A-2.2
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-2.3
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-2.2
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
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-2.2
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 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

COMPULSORY POOLING APPLICATION CHECKLIST

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 (standard or non-standard)	Add wells as needed

Well #1	Mighty Pheasant 5-8 Fed Com 303H Well (API No. 30-015-Pending), SHL: Unit O, 281' FSL, 1463' FEL, Section 32, T19S-R34E; BHL: Unit O, 100' FSL, 2122' 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 303H Well: FTP: 100' FNL, 2122' FEL, Section 5; LTP: 100' FSL, 2122' FEL, Section 8
Completion Target (Formation, TVD and MD)	Mighty Pheasant 5-8 Fed Com 303H Well: TVD approx. 10,860', TMD 21,019'; 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-2.3
Tract List (including lease numbers and owners)	Exhibit A-2.3
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; ORRI owners; including as shown on Exhibit A-2.3
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-2.3
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
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-2.3
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 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

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
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)	320.09-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 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-2.4, 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
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
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
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-2.4
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 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

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

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
Well(s)	

Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	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	
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)	Exhibit A-2.5
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-2.5
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
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-2.5
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

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

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
Well(s)	

Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	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)	Exhibit A-2.6
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-2.6
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-2.6
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
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-2.6
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 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

COMPULSORY POOLING APPLICATION CHECKLIST

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
Well(s)	

Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	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	
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)	Exhibit A-2.7
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-2.7
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
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
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 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

COMPULSORY POOLING APPLICATION CHECKLIST

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)	

Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	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
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-2.8
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 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

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
Cimarex Energy Co.	Darin C. Savage Andrew D. Schill William E. Zimsky Abadie & Schill, PC 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

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 Facsimile: 505-983-6043 mfeldewert@hollandhart.com agrankin@hollandhart.com jbroggi@hollandhart.com pmvance@hollandhart.com

ADDITIONAL PARTIES

Sandstone Properties, LLC	Sealy Cavin, Jr. Scott S. Morgan Brandon D. Hajny P.O. Box 1216 Albuquerque, NM 87103 505-243-5400 scavin@cilawnm.com smorgan@cilawnm.com bhajny@cilawnm.com
Northern Oil and Gas, Inc.	Blake C. Jones Steptoe & Johnson PLLC 1780 Hughes Landing Blvd., Ste 750 The Woodlands, TX 77380 281-203-5730 Facsimile: 281-203-5701 blake.jones@steptoe-johnson.com

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:

Michael H. Feldewert – mfeldewert@hollandhart.com
Adam G. Rankin – agrankin@hollandhart.com
Julia Broggi – jbroggi@hollandhart.com
Paula M. Vance – pmvance@hollandhart.com

Attorneys for Read & Stevens, Inc.;
and Permian Resources Operating, LLC

Blake C. Jones – blake.jones@steptoe-johnson.com

Attorney for Northern Oil and Gas, Inc.

Sealy Cavin, Jr. – scavin@cilawnm.com
Scott S. Morgan – smorgan@cilawnm.com
Brandon D. Hajny – bhajny@cilawnm.com

Attorneys for Sandstone Properties, LLC

/s/ Darin C. Savage

Darin C. Savage

TAB 2

Case Nos. 23594-23601

Exhibit A: Self-Affirmed Statement of John Coffman Landman
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
Exhibit A-6: Costs Between Development
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

EXHIBIT
A

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 **Case No. 23594**, 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 **Case No. 23595**, 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 **Case No. 23596**, 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 **Case No. 23597**, 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.

CIMAREX'S LOOSEY GOOSEY WELLS: SECTIONS 4 AND 9

21. Under **Case No. 23598,** 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 **Case No. 23599,** 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 **Case No. 23600**, 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 **Case No. 23601**, 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.

42. 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]

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

8/1/23

Date Signed

Received by OCD: 8/2/2023 8:41:24 PM

Released to Imaging: 8/3/2023 10:37:08 AM

Received by OCD: 8/2/2023 8:41:24 PM

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

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

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

[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025		

[4] Property Code	[5] Property Name	[6] Well Number
	MIGHTY PHEASANT 5-8 FED COM	301H

[7] OGRID No.	[8] Operator Name	[9] Elevation
215099	CIMAREX ENERGY CO.	3629.8'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	5	20S	34E		483	NORTH	1272	WEST	LEA

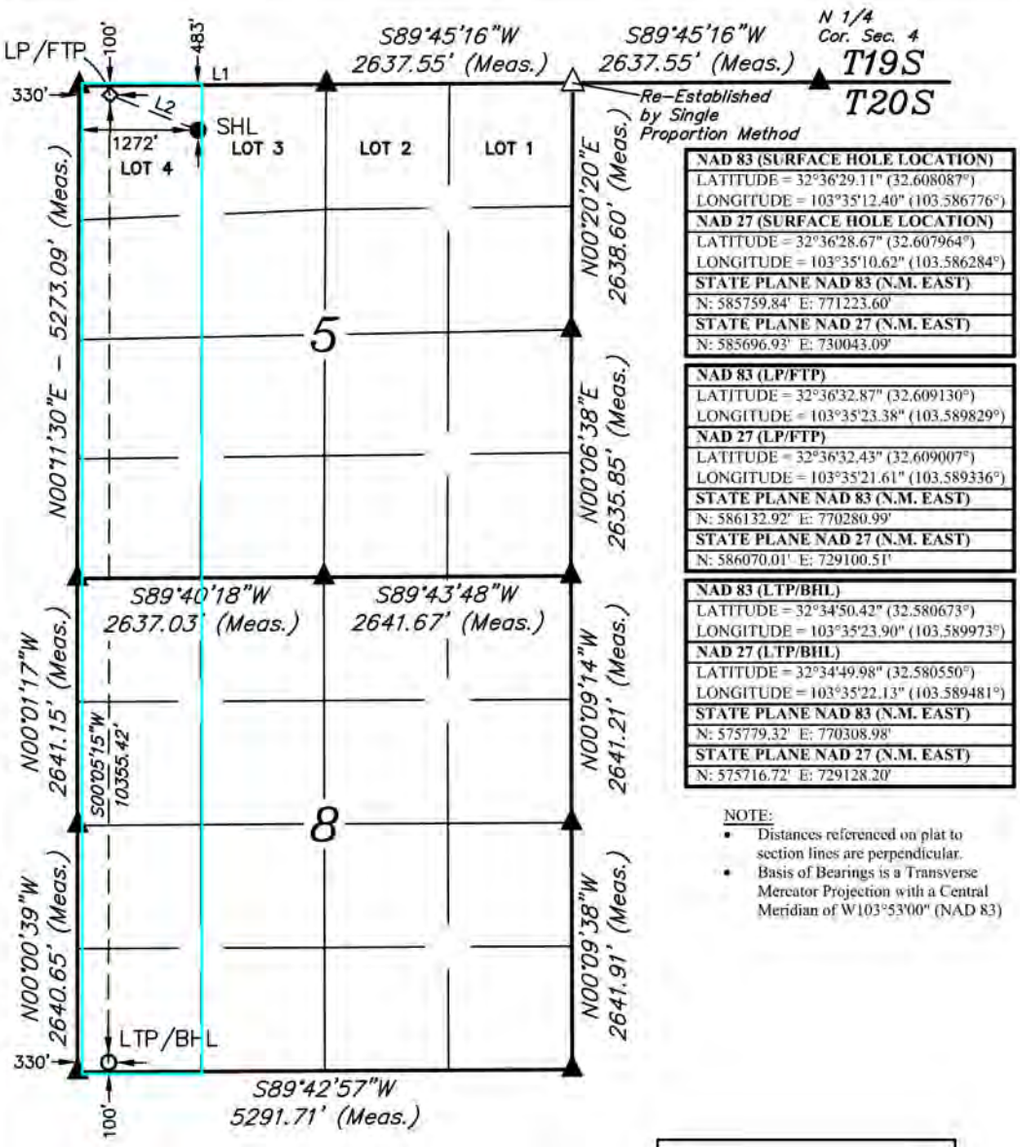
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	8	20S	34E		100	SOUTH	330	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] 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.

[16]



NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'29.11" (32.608087°)
LONGITUDE = 103°35'12.40" (103.586776°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'28.67" (32.607964°)
LONGITUDE = 103°35'10.62" (103.586284°)
STATE PLANE NAD 83 (N.M. EAST)
N: 585759.84' E: 771223.60'
STATE PLANE NAD 27 (N.M. EAST)
N: 585696.93' E: 730043.09'

NAD 83 (LP/FTP)
LATITUDE = 32°36'32.87" (32.609130°)
LONGITUDE = 103°35'23.38" (103.589829°)
NAD 27 (LP/FTP)
LATITUDE = 32°36'32.43" (32.609007°)
LONGITUDE = 103°35'21.61" (103.589336°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586132.92' E: 770280.99'
STATE PLANE NAD 27 (N.M. EAST)
N: 586070.01' E: 729100.51'

NAD 83 (LTP/BHL)
LATITUDE = 32°34'50.42" (32.580673°)
LONGITUDE = 103°35'23.90" (103.589973°)
NAD 27 (LTP/BHL)
LATITUDE = 32°34'49.98" (32.580550°)
LONGITUDE = 103°35'22.13" (103.589481°)
STATE PLANE NAD 83 (N.M. EAST)
N: 575779.32' E: 770308.98'
STATE PLANE NAD 27 (N.M. EAST)
N: 575716.72' E: 729128.20'

NOTE:
- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°37'06"W	2644.22'
L2	N68°09'50"W	2013.92'

● = SURFACE HOLE LOCATION
◇ = LANDING POINT/FIRST TAKE POINT
O = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED (Not Set on Ground.)

2000' 1000' 0' 2000'
SCALE
DRAWN BY: Z.L. 11-10-21

[17] OPERATOR CERTIFICATION

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

Brittany Gordon 7/28/2023
Signature Date

Brittany Gordon
Printed Name

brittany.gordon@coterra.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

November 01, 2021
Date of Survey
Signature and Seal of Professional Surveyor:

PAUL BUCHELE
NEW MEXICO
23782
11-18-21
PROFESSIONAL SURVEYOR

Certificate Number:

EXHIBIT
A-1

Released to Imaging: 8/3/2023 10:37:08 AM

Received by OCD: 8/2/2023 8:41:24 PM

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State of New Mexico
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Form C-102
Revised August 1, 2011
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[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025		

[4] Property Code	[5] Property Name	[6] Well Number
	MIGHTY PHEASANT 5-8 FED COM	302H

[7] OGRID No.	[8] Operator Name	[9] Elevation
215099	CIMAREX ENERGY CO.	3629.9'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	5	20S	34E		484	NORTH	1312	WEST	LEA

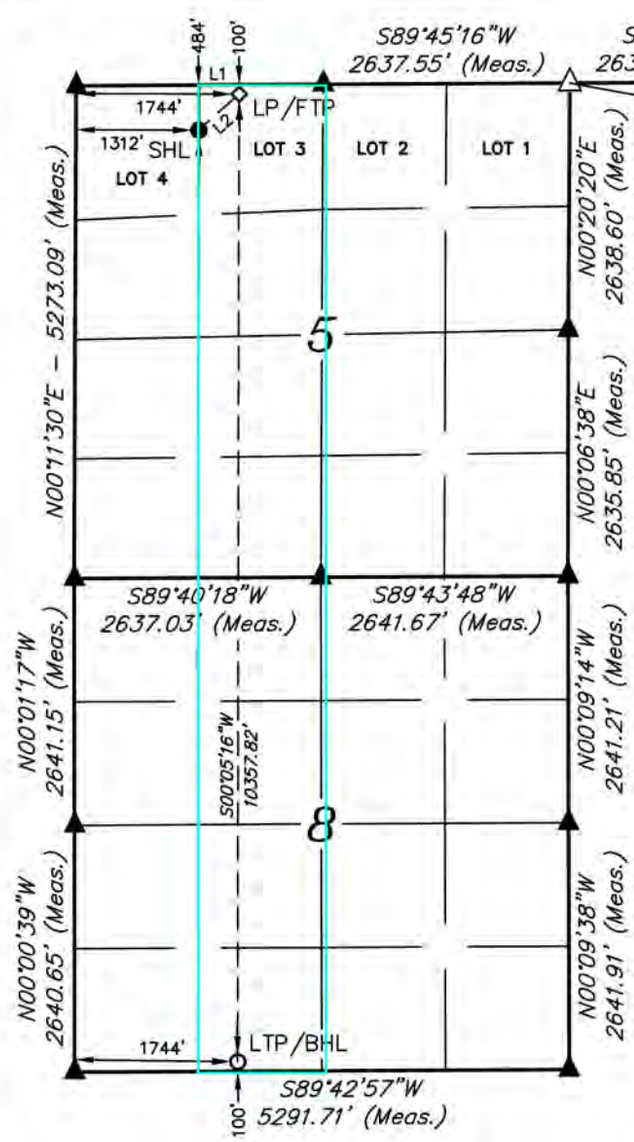
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	20S	34E		100	SOUTH	1744	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.04			

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

[16]



NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'29.11" (32.608087°)
LONGITUDE = 103°35'11.93" (103.586647°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'28.67" (32.607964°)
LONGITUDE = 103°35'10.15" (103.586154°)
STATE PLANE NAD 83 (N.M. EAST)
N: 585760.15' E: 771263.59'
STATE PLANE NAD 27 (N.M. EAST)
N: 585697.24' E: 730083.08'

NAD 83 (LP/FTP)
LATITUDE = 32°36'32.92" (32.609145°)
LONGITUDE = 103°35'06.86" (103.585238°)
NAD 27 (LP/FTP)
LATITUDE = 32°36'32.48" (32.609022°)
LONGITUDE = 103°35'05.08" (103.584745°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586148.32' E: 771694.74'
STATE PLANE NAD 27 (N.M. EAST)
N: 586085.40' E: 730514.24'

NAD 83 (LTP/BHL)
LATITUDE = 32°34'50.45" (32.580681°)
LONGITUDE = 103°35'07.38" (103.585383°)
NAD 27 (LTP/BHL)
LATITUDE = 32°34'50.01" (32.580558°)
LONGITUDE = 103°35'05.61" (103.584892°)
STATE PLANE NAD 83 (N.M. EAST)
N: 575792.32' E: 771722.69'
STATE PLANE NAD 27 (N.M. EAST)
N: 575729.71' E: 730541.90'

NOTE:
- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°37'06"W	2644.22'
L2	N48°14'42"E	580.25'

● = SURFACE HOLE LOCATION
◇ = LANDING POINT/FIRST TAKE POINT
O = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED (Not Set on Ground.)

2000' 1000' 0' 2000'
SCALE
DRAWN BY: Z.L. 11-10-21

[17] OPERATOR CERTIFICATION

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

Brittany Gordon 7/28/2023
Signature Date

Brittany Gordon
Printed Name

brittany.gordon@coterra.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

November 01, 2021
Date of Survey
Signature and Seal of Professional Surveyor:

PAUL BUCHELE
NEW MEXICO
23782
11-18-21
PROFESSIONAL SURVEYOR

Certificate Number:

Released to Imaging: 8/3/2023 10:37:08 AM

Received by OCD: 8/2/2023 8:41:24 PM

District I
1625 N. French Dr., Hobbs, NM 88240
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Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025		

[4] Property Code	[5] Property Name	[6] Well Number
	MIGHTY PHEASANT 5-8 FED COM	303H

[7] OGRID No.	[8] Operator Name	[9] Elevation
215099	CIMAREX ENERGY CO.	3644.9'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	32	19S	34E		281	SOUTH	1463	EAST	LEA

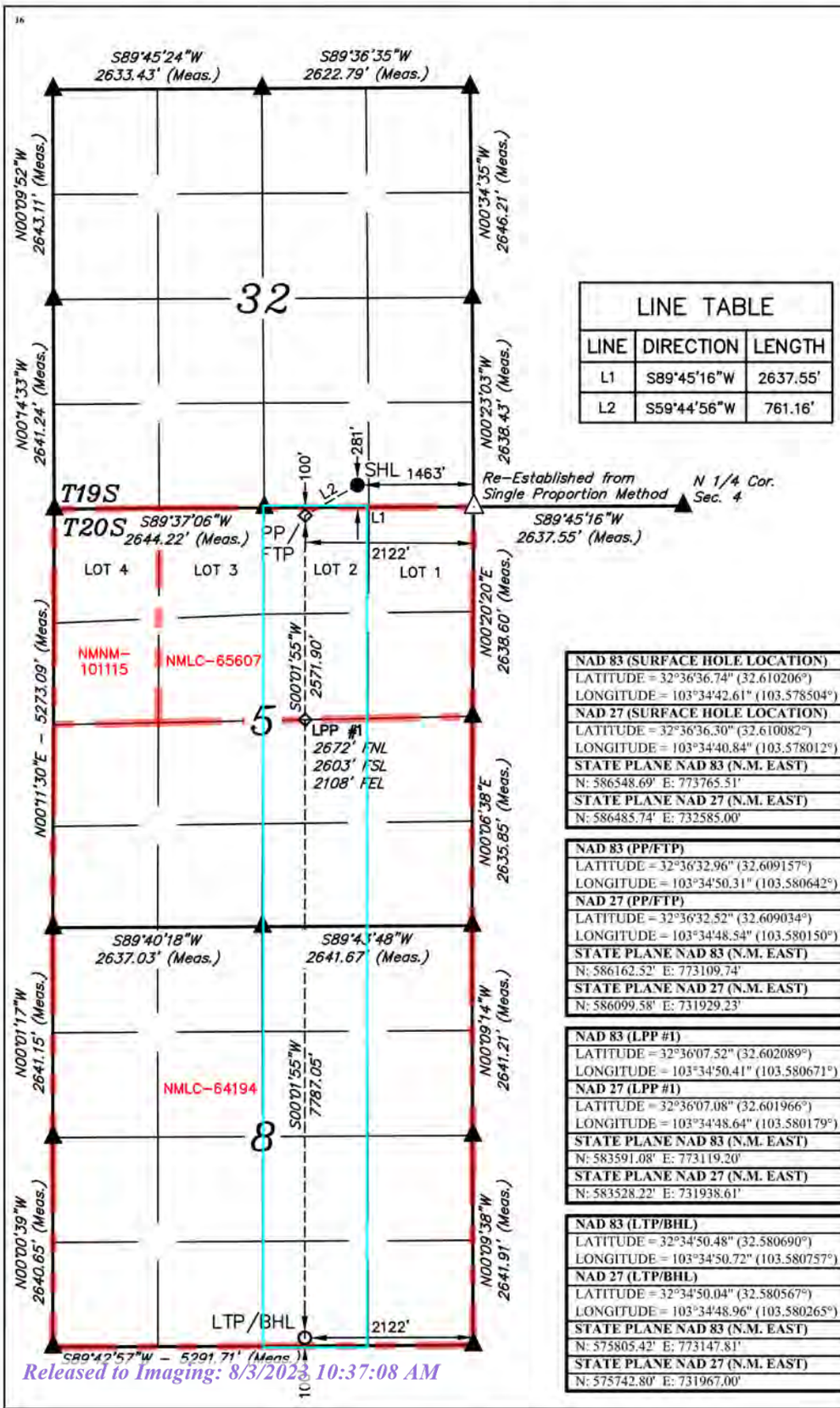
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	8	20S	34E		100	SOUTH	2122	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.06			

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

[16]



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°45'16"W	2637.55'
L2	S59°44'56"W	761.16'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'36.74" (32.610206°)
LONGITUDE = 103°34'42.61" (103.578504°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'36.30" (32.610082°)
LONGITUDE = 103°34'40.84" (103.578012°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586548.69' E: 773765.51'
STATE PLANE NAD 27 (N.M. EAST)
N: 586485.74' E: 732585.00'

NAD 83 (PP/FTP)
LATITUDE = 32°36'32.96" (32.609157°)
LONGITUDE = 103°34'50.31" (103.580642°)
NAD 27 (PP/FTP)
LATITUDE = 32°36'32.52" (32.609034°)
LONGITUDE = 103°34'48.54" (103.580150°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586162.52' E: 773109.74'
STATE PLANE NAD 27 (N.M. EAST)
N: 586099.58' E: 731929.23'

NAD 83 (LPP #1)
LATITUDE = 32°36'07.52" (32.602089°)
LONGITUDE = 103°34'50.41" (103.580671°)
NAD 27 (LPP #1)
LATITUDE = 32°36'07.08" (32.601966°)
LONGITUDE = 103°34'48.64" (103.580179°)
STATE PLANE NAD 83 (N.M. EAST)
N: 583591.08' E: 773119.20'
STATE PLANE NAD 27 (N.M. EAST)
N: 583528.22' E: 731938.61'

NAD 83 (LTP/BHL)
LATITUDE = 32°34'50.48" (32.580690°)
LONGITUDE = 103°34'50.72" (103.580757°)
NAD 27 (LTP/BHL)
LATITUDE = 32°34'50.04" (32.580567°)
LONGITUDE = 103°34'48.96" (103.580265°)
STATE PLANE NAD 83 (N.M. EAST)
N: 575805.42' E: 773147.81'
STATE PLANE NAD 27 (N.M. EAST)
N: 575742.80' E: 731967.00'

[17] OPERATOR CERTIFICATION

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

Brittany Gordon 7/26/2023
Signature Date

Brittany Gordon
Printed Name

brittany.gordon@coterra.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

November 2, 2021
Date of Survey
Signature and Seal of Professional Surveyor:

PAUL BUCHELE
NEW MEXICO
23782
11-12-21
PROFESSIONAL SURVEYOR

Certificate Number:

NOTE:
- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

2000' 1000' 0' 2000'
SCALE

DRAWN BY: D.J.S. 11-12-21

● = SURFACE HOLE LOCATION
◇ = PENETRATION POINT/ FIRST TAKE POINT/LPP
○ = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

Released to Imaging: 8/3/2023 10:37:08 AM

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

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

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

[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025		

[4] Property Code	[5] Property Name	[6] Well Number
	MIGHTY PHEASANT 5-8 FED COM	304H

[7] OGRID No.	[8] Operator Name	[9] Elevation
215099	CIMAREX ENERGY CO.	3645.7'

[10] Surface Location

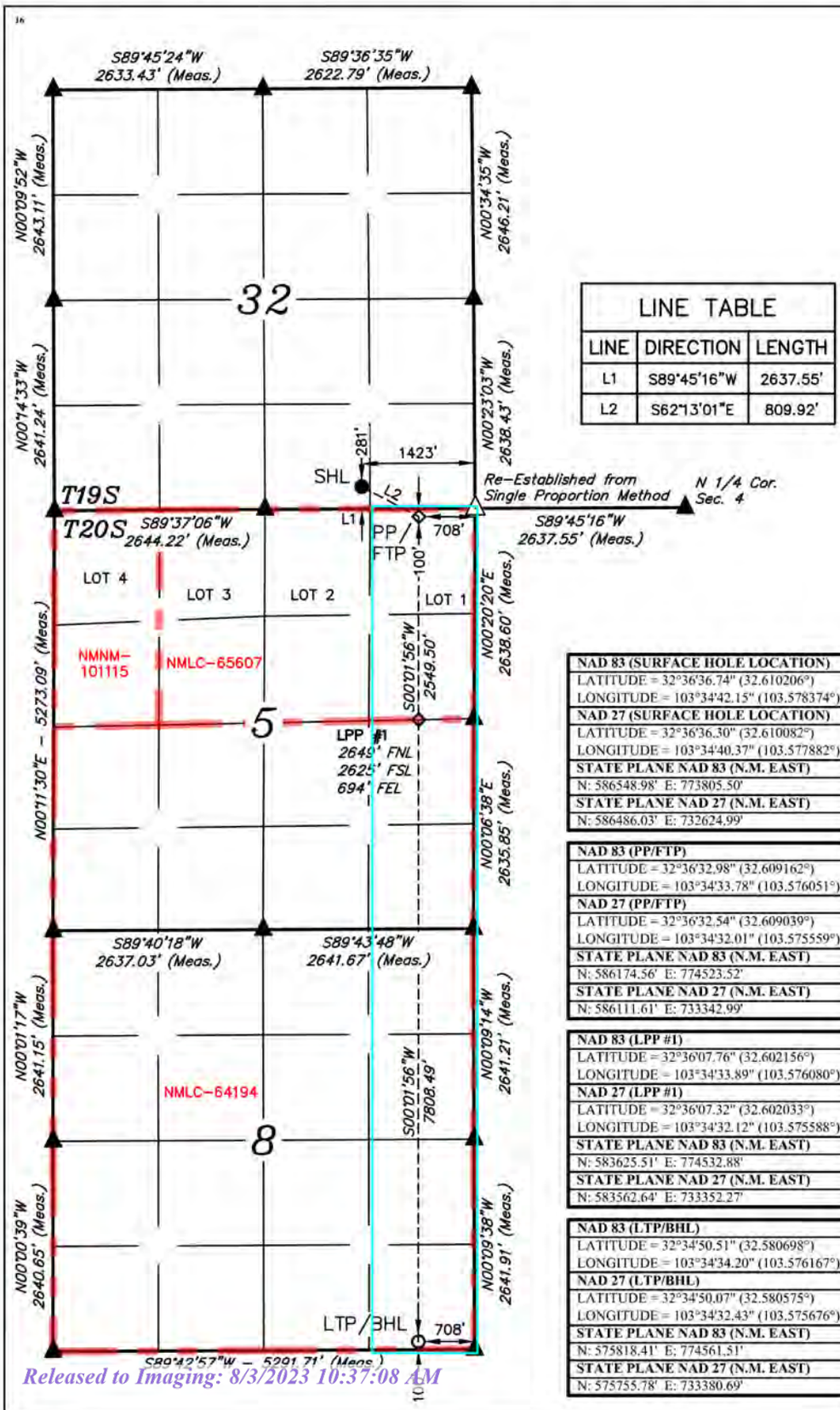
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	32	19S	34E		281	SOUTH	1423	EAST	LEA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	20S	34E		100	SOUTH	708	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.09			

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.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°45'16"W	2637.55'
L2	S62°13'01"E	809.92'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'36.74" (32.610206°)
LONGITUDE = 103°34'42.15" (103.578374°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'36.30" (32.610082°)
LONGITUDE = 103°34'40.37" (103.577882°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586548.98' E: 773805.50'
STATE PLANE NAD 27 (N.M. EAST)
N: 586486.03' E: 732624.99'

NAD 83 (PP/FTP)
LATITUDE = 32°36'32.98" (32.609162°)
LONGITUDE = 103°34'33.78" (103.576051°)
NAD 27 (PP/FTP)
LATITUDE = 32°36'32.54" (32.609039°)
LONGITUDE = 103°34'32.01" (103.575559°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586174.56' E: 774523.52'
STATE PLANE NAD 27 (N.M. EAST)
N: 586111.61' E: 733342.99'

NAD 83 (LPP #1)
LATITUDE = 32°36'07.76" (32.602156°)
LONGITUDE = 103°34'33.89" (103.576080°)
NAD 27 (LPP #1)
LATITUDE = 32°36'07.32" (32.602033°)
LONGITUDE = 103°34'32.12" (103.575588°)
STATE PLANE NAD 83 (N.M. EAST)
N: 583625.51' E: 774532.88'
STATE PLANE NAD 27 (N.M. EAST)
N: 583562.64' E: 733352.27'

NAD 83 (LTP/BHL)
LATITUDE = 32°34'50.51" (32.580698°)
LONGITUDE = 103°34'34.20" (103.576167°)
NAD 27 (LTP/BHL)
LATITUDE = 32°34'50.07" (32.580575°)
LONGITUDE = 103°34'32.43" (103.575676°)
STATE PLANE NAD 83 (N.M. EAST)
N: 575818.41' E: 774561.51'
STATE PLANE NAD 27 (N.M. EAST)
N: 575755.78' E: 733380.69'

[17] OPERATOR CERTIFICATION

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

Brittany Gordon 7/26/2023
Signature Date

Brittany Gordon
Printed Name

brittany.gordon@coterra.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

November 2, 2021
Date of Survey
Signature and Seal of Professional Surveyor:

PAUL BUCHELE
NEW MEXICO
23782
11-12-21
PROFESSIONAL SURVEYOR

Certificate Number:

NOTE:
- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

2000' 1000' 0' 2000'
SCALE

DRAWN BY: D.J.S. 11-12-21

● = SURFACE HOLE LOCATION
◇ = PENETRATION POINT/ FIRST TAKE POINT/LPP
○ = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

Released to Imaging: 8/3/2023 10:37:08 AM

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

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

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

[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025		

[4] Property Code	[5] Property Name	[6] Well Number
	LOOSEY GOOSEY 4-9 FED COM	301H
[7] OGRID No.	**[8] Operator Name**	**[9] Elevation**
215099	CIMAREX ENERGY CO.	3659.4'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	33	19S	34E		1189	SOUTH	1464	WEST	LEA

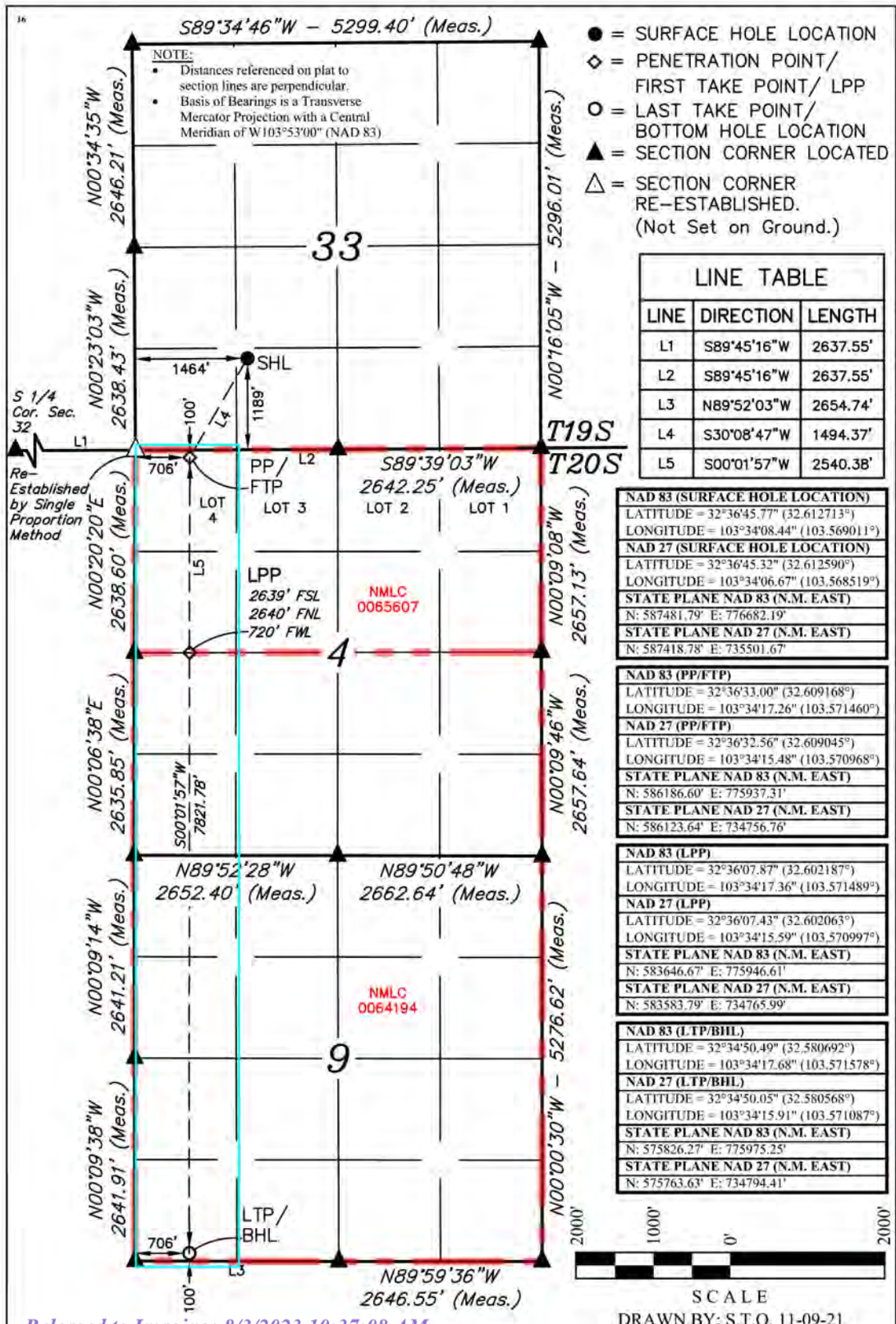
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	20S	34E		100	SOUTH	706	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.21			

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

[16]



● = SURFACE HOLE LOCATION
◇ = PENETRATION POINT/ FIRST TAKE POINT/ LPP
O = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

LINE TABLE

LINE	DIRECTION	LENGTH
L1	S89°45'16"W	2637.55'
L2	S89°45'16"W	2637.55'
L3	N89°52'03"W	2654.74'
L4	S30°08'47"W	1494.37'
L5	S00°01'57"W	2540.38'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'45.77" (32.612713°)
LONGITUDE = 103°34'08.44" (103.569011°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'45.32" (32.612590°)
LONGITUDE = 103°34'06.67" (103.568519°)
STATE PLANE NAD 83 (N.M. EAST)
N: 587481.79' E: 776682.19'
STATE PLANE NAD 27 (N.M. EAST)
N: 587418.78' E: 735501.67'

NAD 83 (PP/FTP)
LATITUDE = 32°36'33.00" (32.609168°)
LONGITUDE = 103°34'17.26" (103.571460°)
NAD 27 (PP/FTP)
LATITUDE = 32°36'32.56" (32.609045°)
LONGITUDE = 103°34'15.48" (103.570968°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586186.60' E: 775937.31'
STATE PLANE NAD 27 (N.M. EAST)
N: 586123.64' E: 734756.76'

NAD 83 (LPP)
LATITUDE = 32°36'07.87" (32.602187°)
LONGITUDE = 103°34'17.36" (103.571489°)
NAD 27 (LPP)
LATITUDE = 32°36'07.43" (32.602063°)
LONGITUDE = 103°34'15.59" (103.570997°)
STATE PLANE NAD 83 (N.M. EAST)
N: 583646.67' E: 775946.61'
STATE PLANE NAD 27 (N.M. EAST)
N: 583583.79' E: 734765.99'

NAD 83 (LTP/BHL)
LATITUDE = 32°34'50.49" (32.580692°)
LONGITUDE = 103°34'17.68" (103.571578°)
NAD 27 (LTP/BHL)
LATITUDE = 32°34'50.05" (32.580568°)
LONGITUDE = 103°34'15.91" (103.571087°)
STATE PLANE NAD 83 (N.M. EAST)
N: 575826.27' E: 775975.25'
STATE PLANE NAD 27 (N.M. EAST)
N: 575763.63' E: 734794.41'

[17] OPERATOR CERTIFICATION

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

Brittany Gordon 7/28/2023
Signature Date

Brittany Gordon
Printed Name

brittany.gordon@coterra.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

November 02, 2021
Date of Survey
Signature and Seal of Professional Surveyor:

PAUL BUCHELE
NEW MEXICO
23782
11-09-21
PROFESSIONAL SURVEYOR

Certificate Number:

Received by OCD: 8/2/2023 8:41:24 PM

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Form C-102
Revised August 1, 2011
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[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025		

[4] Property Code	[5] Property Name	[6] Well Number
	LOOSEY GOOSEY 4-9 FED COM	302H
[7] OGRID No.	**[8] Operator Name**	**[9] Elevation**
215099	CIMAREX ENERGY CO.	3659.8'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	33	19S	34E		1189	SOUTH	1484	WEST	LEA

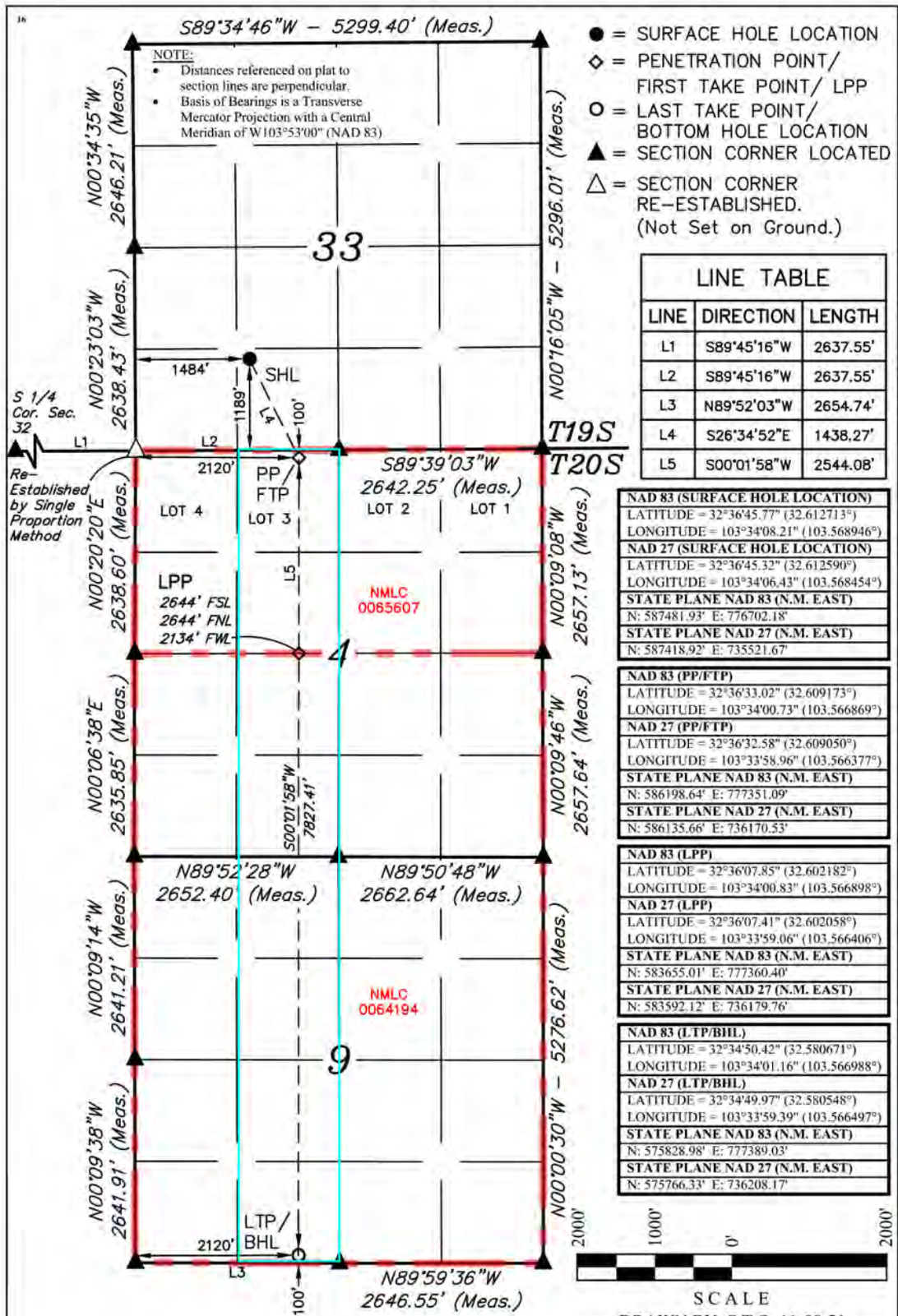
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	9	20S	34E		100	SOUTH	2120	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.44			

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

[16]



● = SURFACE HOLE LOCATION
◇ = PENETRATION POINT/ FIRST TAKE POINT/ LPP
O = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°45'16"W	2637.55'
L2	S89°45'16"W	2637.55'
L3	N89°52'03"W	2654.74'
L4	S26°34'52"E	1438.27'
L5	S00°01'58"W	2544.08'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'45.77" (32.612713°)
LONGITUDE = 103°34'08.21" (103.568946°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'45.32" (32.612590°)
LONGITUDE = 103°34'06.43" (103.568454°)
STATE PLANE NAD 83 (N.M. EAST)
N: 587481.93' E: 776702.18'
STATE PLANE NAD 27 (N.M. EAST)
N: 587418.92' E: 735521.67'

NAD 83 (PP/FTP)
LATITUDE = 32°36'33.02" (32.609173°)
LONGITUDE = 103°34'00.73" (103.566869°)
NAD 27 (PP/FTP)
LATITUDE = 32°36'32.58" (32.609050°)
LONGITUDE = 103°33'58.96" (103.566377°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586198.64' E: 777351.09'
STATE PLANE NAD 27 (N.M. EAST)
N: 586135.66' E: 736170.53'

NAD 83 (LPP)
LATITUDE = 32°36'07.85" (32.602182°)
LONGITUDE = 103°34'00.83" (103.566898°)
NAD 27 (LPP)
LATITUDE = 32°36'07.41" (32.602058°)
LONGITUDE = 103°33'59.06" (103.566406°)
STATE PLANE NAD 83 (N.M. EAST)
N: 583655.01' E: 777360.40'
STATE PLANE NAD 27 (N.M. EAST)
N: 583592.12' E: 736179.76'

NAD 83 (LTP/BHL)
LATITUDE = 32°34'50.42" (32.580671°)
LONGITUDE = 103°34'01.16" (103.566988°)
NAD 27 (LTP/BHL)
LATITUDE = 32°34'49.97" (32.580548°)
LONGITUDE = 103°33'59.39" (103.566497°)
STATE PLANE NAD 83 (N.M. EAST)
N: 575828.98' E: 777389.03'
STATE PLANE NAD 27 (N.M. EAST)
N: 575766.33' E: 736208.17'

DRAWN BY: S.T.O. 11-09-21
REV: 1 E.C. 02-10-22 (WELL MOVE)

[17] OPERATOR CERTIFICATION

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

Brittany Gordon 7/28/2023
Signature Date

Brittany Gordon
Printed Name

brittany.gordon@coterra.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

November 02, 2021
Date of Survey
Signature and Seal of Professional Surveyor:

PAUL BUCHELE
NEW MEXICO
23782
02-18-22
PROFESSIONAL SURVEYOR

Certificate Number:

Released to Imaging: 8/3/2023 10:37:08 AM

Received by OCD: 8/2/2023 8:41:24 PM

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

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

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

[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025		

[4] Property Code	[5] Property Name	[6] Well Number
	LOOSEY GOOSEY 4-9 FED COM	303H

[7] OGRID No.	[8] Operator Name	[9] Elevation
215099	CIMAREX ENERGY CO.	3659.9'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	33	19S	34E		194	SOUTH	1448	EAST	LEA

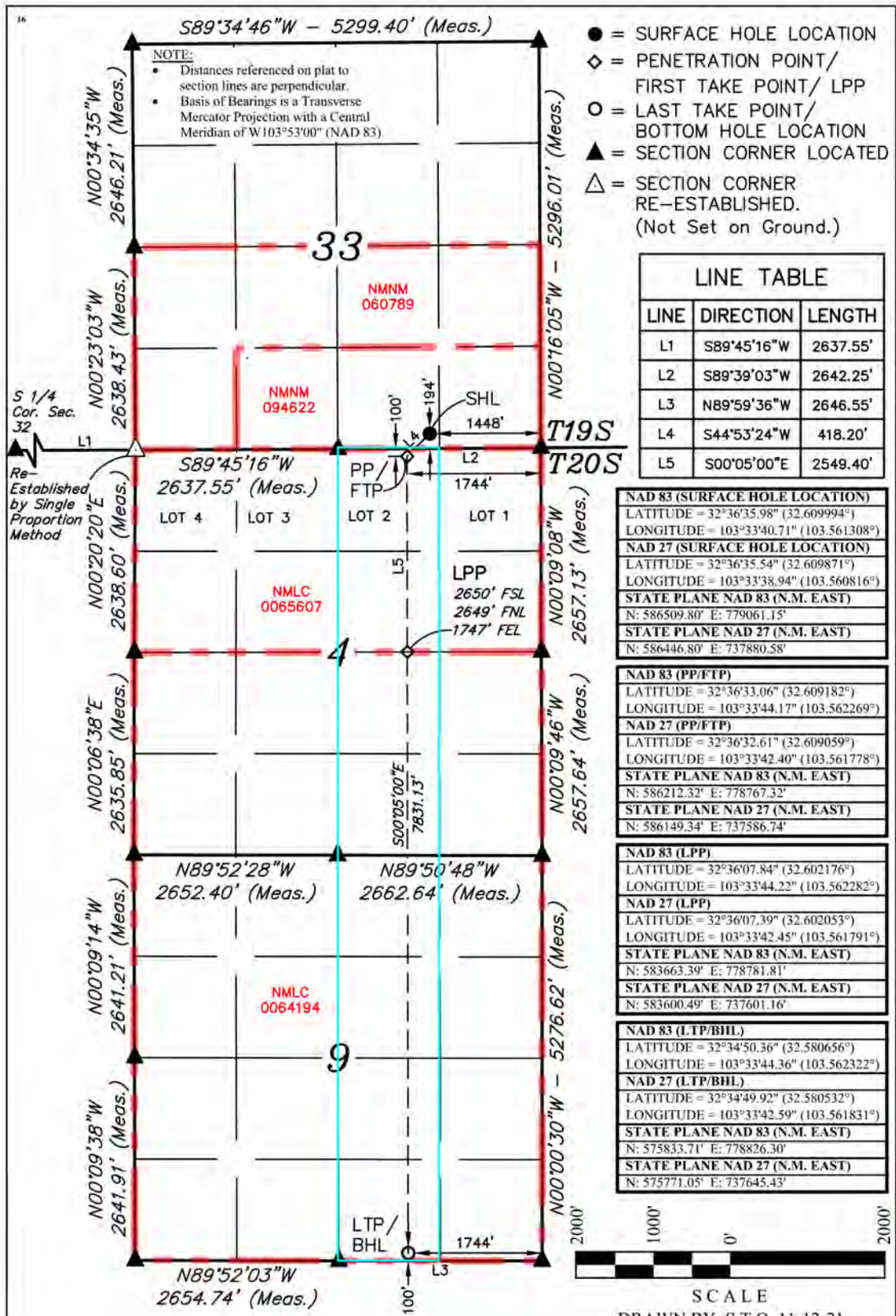
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	9	20S	34E		100	SOUTH	1744	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.66			

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

[16]



● = SURFACE HOLE LOCATION
◇ = PENETRATION POINT/ FIRST TAKE POINT/ LPP
O = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°45'16"W	2637.55'
L2	S89°39'03"W	2642.25'
L3	N89°59'36"W	2646.55'
L4	S44°53'24"W	418.20'
L5	S00°05'00"E	2549.40'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'35.98" (32.609994°)
LONGITUDE = 103°33'40.71" (103.561308°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'35.54" (32.609871°)
LONGITUDE = 103°33'38.94" (103.560816°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586509.80' E: 779061.15'
STATE PLANE NAD 27 (N.M. EAST)
N: 586446.80' E: 737880.58'

NAD 83 (PP/FTP)
LATITUDE = 32°36'33.06" (32.609182°)
LONGITUDE = 103°33'44.17" (103.562269°)
NAD 27 (PP/FTP)
LATITUDE = 32°36'32.61" (32.609059°)
LONGITUDE = 103°33'42.40" (103.561778°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586212.32' E: 778767.32'
STATE PLANE NAD 27 (N.M. EAST)
N: 586149.34' E: 737586.74'

NAD 83 (LPP)
LATITUDE = 32°36'07.84" (32.602176°)
LONGITUDE = 103°33'44.22" (103.562282°)
NAD 27 (LPP)
LATITUDE = 32°36'07.39" (32.602053°)
LONGITUDE = 103°33'42.45" (103.561791°)
STATE PLANE NAD 83 (N.M. EAST)
N: 583663.39' E: 778781.81'
STATE PLANE NAD 27 (N.M. EAST)
N: 583600.49' E: 737601.16'

NAD 83 (LTP/BHL)
LATITUDE = 32°34'50.36" (32.580656°)
LONGITUDE = 103°33'44.36" (103.562322°)
NAD 27 (LTP/BHL)
LATITUDE = 32°34'49.92" (32.580532°)
LONGITUDE = 103°33'42.59" (103.561831°)
STATE PLANE NAD 83 (N.M. EAST)
N: 575833.71' E: 778826.30'
STATE PLANE NAD 27 (N.M. EAST)
N: 575771.05' E: 737645.43'

[17] OPERATOR CERTIFICATION

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

Brittany Gordon 7/28/2023
Signature Date

Brittany Gordon
Printed Name

brittany.gordon@coterra.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

November 01, 2021
Date of Survey
Signature and Seal of Professional Surveyor:

PAUL BUCHELE
NEW MEXICO
23782
11-12-21
PROFESSIONAL SURVEYOR

Certificate Number:

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Form C-102
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Submit one copy to appropriate District Office

[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025		

[4] Property Code	[5] Property Name	[6] Well Number
	LOOSEY GOOSEY 4-9 FED COM	304H
[7] OGRID No. 215099	[8] Operator Name CIMAREX ENERGY CO.	[9] Elevation 3659.4'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	33	19S	34E		194	SOUTH	1408	EAST	LEA

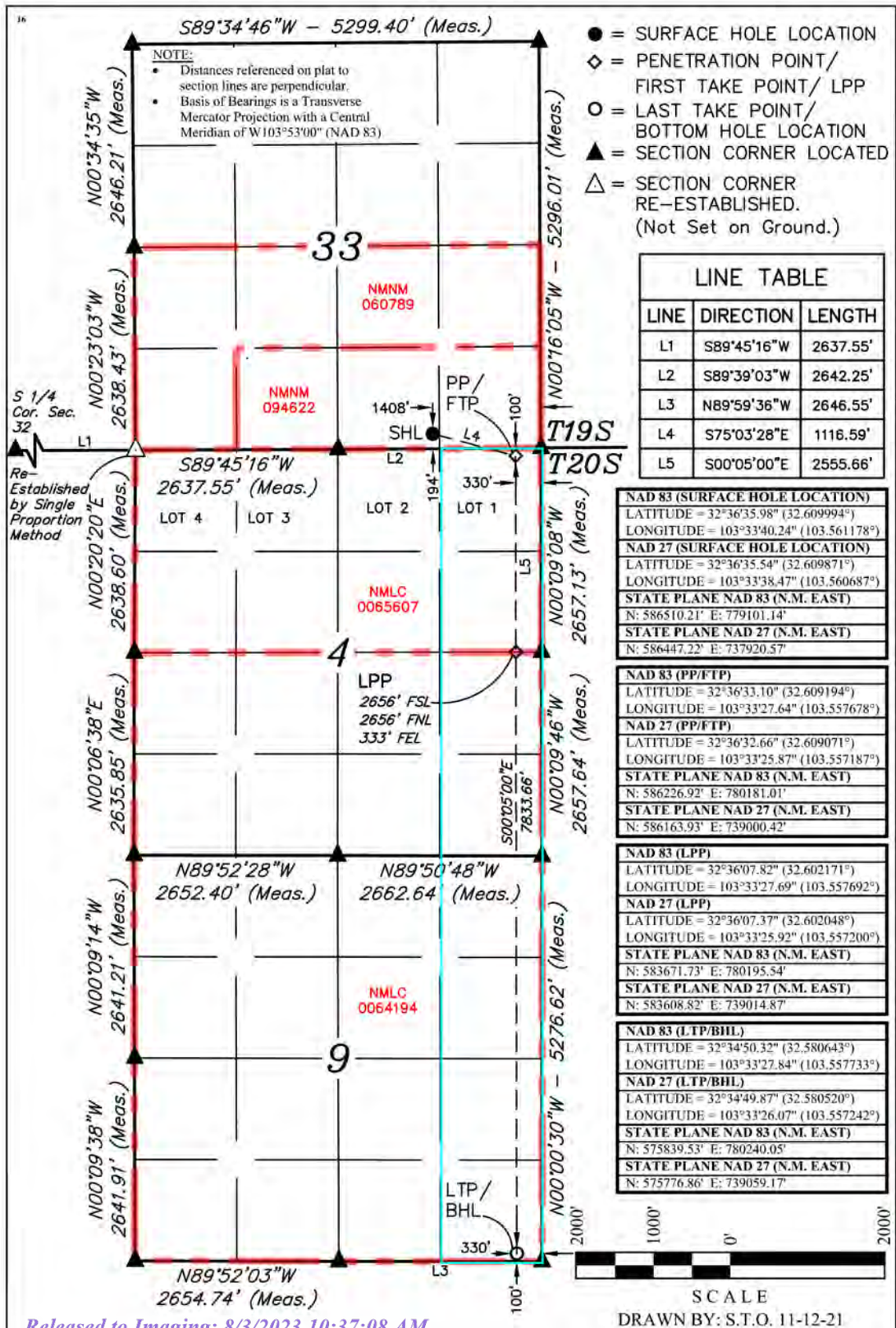
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	9	20S	34E		100	SOUTH	330	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.89			

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

[16]



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LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°45'16"W	2637.55'
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L3	N89°59'36"W	2646.55'
L4	S75°03'28"E	1116.59'
L5	S00°05'00"E	2555.66'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'35.98" (32.609994°)
LONGITUDE = 103°33'40.24" (103.561178°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'35.54" (32.609871°)
LONGITUDE = 103°33'38.47" (103.560687°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586510.21' E: 779101.14'
STATE PLANE NAD 27 (N.M. EAST)
N: 586447.22' E: 737920.57'

NAD 83 (PP/FTP)
LATITUDE = 32°36'33.10" (32.609194°)
LONGITUDE = 103°33'27.64" (103.557678°)
NAD 27 (PP/FTP)
LATITUDE = 32°36'32.66" (32.609071°)
LONGITUDE = 103°33'25.87" (103.557187°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586226.92' E: 780181.01'
STATE PLANE NAD 27 (N.M. EAST)
N: 586163.93' E: 739000.42'

NAD 83 (LPP)
LATITUDE = 32°36'07.82" (32.602171°)
LONGITUDE = 103°33'27.69" (103.557692°)
NAD 27 (LPP)
LATITUDE = 32°36'07.37" (32.602048°)
LONGITUDE = 103°33'25.92" (103.557200°)
STATE PLANE NAD 83 (N.M. EAST)
N: 583671.73' E: 780195.54'
STATE PLANE NAD 27 (N.M. EAST)
N: 583608.82' E: 739014.87'

NAD 83 (LTP/BHL)
LATITUDE = 32°34'50.32" (32.580643°)
LONGITUDE = 103°33'27.84" (103.557733°)
NAD 27 (LTP/BHL)
LATITUDE = 32°34'49.87" (32.580520°)
LONGITUDE = 103°33'26.07" (103.557242°)
STATE PLANE NAD 83 (N.M. EAST)
N: 575839.53' E: 780240.05'
STATE PLANE NAD 27 (N.M. EAST)
N: 575776.86' E: 739059.17'

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Brittany Gordon 7/28/2023
Signature Date

Brittany Gordon
Printed Name

brittany.gordon@coterra.com
E-mail Address

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November 01, 2021
Date of Survey
Signature and Seal of Professional Surveyor:

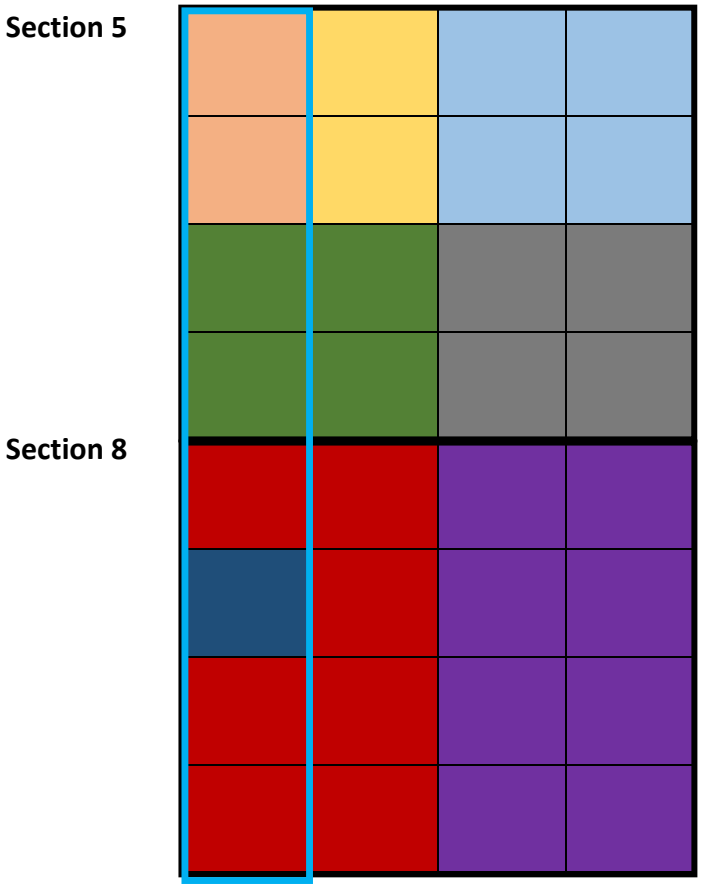
PAUL BUCHELE
NEW MEXICO
23782
11-12-21
PROFESSIONAL SURVEYOR

Certificate Number:

Released to Imaging: 8/3/2023 10:37:08 AM

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 2:
NMLC-0065607
(160.15 acres)

Tract 3:
NMNM-10115
(80.01 acres)

Tract 4:
NMLC-0064194
(160 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)

EXHIBIT
A-2.1

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

Delmar Hudson Lewis Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	2.5869	0.032320	Committed
First Century Oil 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	5.3355	0.066660	Uncommitted
Read and Stevens Inc. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	8.3170	0.103910	Uncommitted
CBR Oil Properties LLC 400 N. Pennsylvania, Ste 1080 Roswell, NM 88201	5.3355	0.066660	Uncommitted
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 5400 LBJ Fwy. Suite 1500 Dallas, TX 75240	28.8222	0.179970	Uncommitted

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

CBR Oil Properties LLC 400 N. Pennsylvania, Ste 1080 Roswell, NM 88201	10.6756	0.066660	Uncommitted
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	2.5448	0.015890	Committed
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. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	68.8086	0.86000	Uncommitted
CLM Production Co. P.O. Box 1361 Roswell, NM 88202	1.6002	0.02000	Uncommitted
Highland (Texas) Energy Corp. 11886 Greenville Ave., Suite 106 Dallas, TX 75243	1.6002	0.02000	Committed
Diamond Star Production 331 G. Street, SW Ardmore, OK 73401	1.6002	0.02000	Uncommitted

Carolyn Beall P.O. Box 3098 Midland, TX 79702	1.6002	0.02000	Uncommitted
Tierra Encantada P.O. Box 811 Roswell, NM 88202	1.6002	0.02000	Uncommitted
David Luna P.O. Box 1518 Roswell, NM 88202	1.6002	0.02000	Uncommitted
Warren Associates P.O. Box 10400 Albuquerque, NM 87184	1.6002	0.02000	Uncommitted
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 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1664	0.06354	Committed

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

Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.0225	Committed
Lindy's Living Trust 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1008	0.03813	Committed
Challenger Crude, Ltd. 400 W. Illinois Ave, Suite 1210 Midland, TX 79701	5.136	0.03210	Committed
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 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1664	0.06354	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0672	0.02542	Committed

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

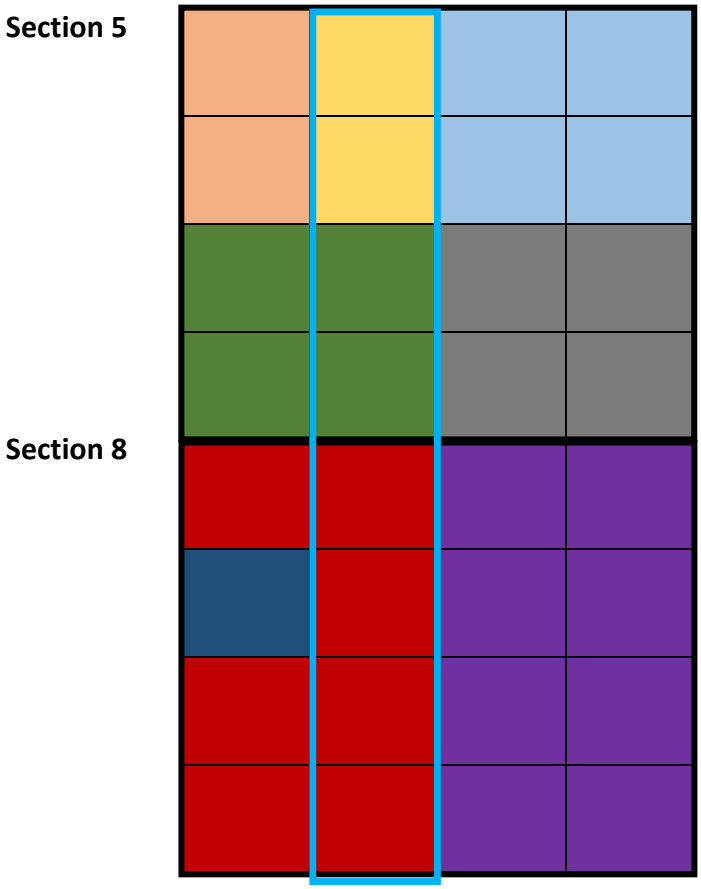
W/2W/2 of Section 5 and W/2W/2 of Section 8; all in T20S-R34E; 320.01 acres

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 2:
NMLC-0065607
(160.15 acres)

Tract 3:
NMNM-10115
(80.01 acres)

Tract 4:
NMLC-0064194
(160 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)

EXHIBIT
A-2.2

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

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

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 5400 LBJ Fwy. Suite 1500 Dallas, TX 75240	28.8222	0.179970	Uncommitted

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

CBR Oil Properties LLC 400 N. Pennsylvania, Ste 1080 Roswell, NM 88201	10.6756	0.066660	Uncommitted
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	2.5448	0.015890	Committed
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. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	68.8086	0.86000	Uncommitted
CLM Production Co. P.O. Box 1361 Roswell, NM 88202	1.6002	0.02000	Uncommitted
Highland (Texas) Energy Corp. 11886 Greenville Ave., Suite 106 Dallas, TX 75243	1.6002	0.02000	Committed
Diamond Star Production 331 G. Street, SW Ardmore, OK 73401	1.6002	0.02000	Uncommitted

Carolyn Beall P.O. Box 3098 Midland, TX 79702	1.6002	0.02000	Uncommitted
Tierra Encantada P.O. Box 811 Roswell, NM 88202	1.6002	0.02000	Uncommitted
David Luna P.O. Box 1518 Roswell, NM 88202	1.6002	0.02000	Uncommitted
Warren Associates P.O. Box 10400 Albuquerque, NM 87184	1.6002	0.02000	Uncommitted
TRACT 3 TOTAL	80.01	.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 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1664	0.06354	Committed

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

Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.0225	Committed
Lindy's Living Trust 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1008	0.03813	Committed
Challenger Crude, Ltd. 400 W. Illinois Ave, Suite 1210 Midland, TX 79701	5.136	0.03210	Committed
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 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1664	0.06354	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0672	0.02542	Committed

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

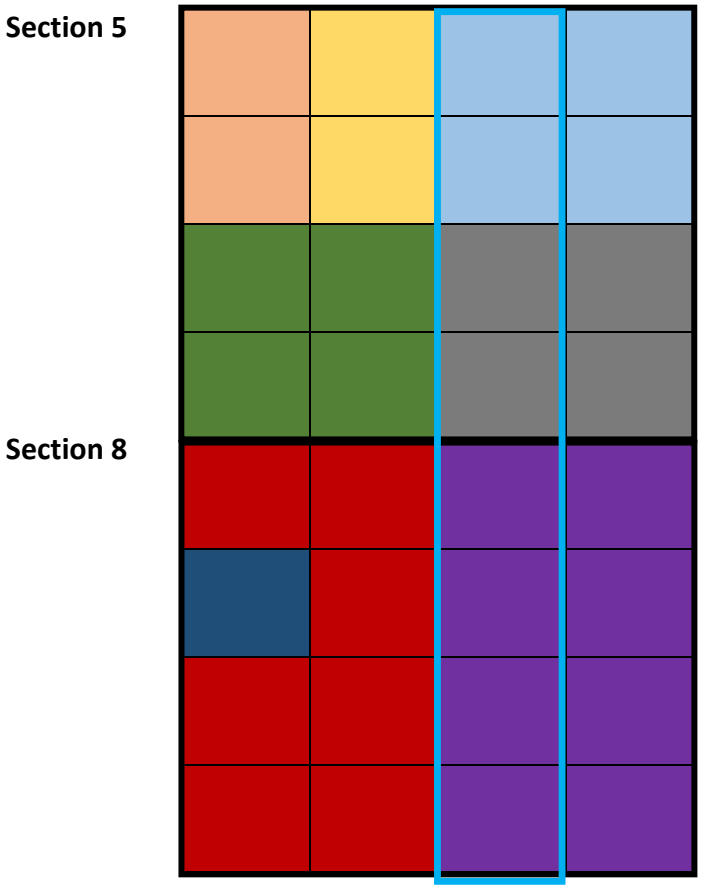
E/2W/2 of Section 5 and E/2W/2 of Section 8; all in T20S-R34E; 320.04 acres

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 2:
NMLC-0065607
(160.15 acres)

Tract 3:
NMNM-10115
(80.01 acres)

Tract 4:
NMLC-0064194
(160 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)

EXHIBIT
A-2.3

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

Delmar Hudson Lewis Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	2.5869	0.032320	Committed
First Century Oil 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	5.3355	0.066660	Uncommitted
Read and Stevens Inc. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	8.3170	0.103910	Uncommitted
CBR Oil Properties LLC 400 N. Pennsylvania, Ste 1080 Roswell, NM 88201	5.3355	0.066660	Uncommitted
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 5400 LBJ Fwy. Suite 1500 Dallas, TX 75240	28.8222	0.179970	Uncommitted

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

CBR Oil Properties LLC 400 N. Pennsylvania, Ste 1080 Roswell, NM 88201	10.6756	0.066660	Uncommitted
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	2.5448	0.015890	Committed
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. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	68.8086	0.86000	Uncommitted
CLM Production Co. P.O. Box 1361 Roswell, NM 88202	1.6002	0.02000	Uncommitted
Highland (Texas) Energy Corp. 11886 Greenville Ave., Suite 106 Dallas, TX 75243	1.6002	0.02000	Committed
Diamond Star Production 331 G. Street, SW Ardmore, OK 73401	1.6002	0.02000	Uncommitted

Carolyn Beall P.O. Box 3098 Midland, TX 79702	1.6002	0.02000	Uncommitted
Tierra Encantada P.O. Box 811 Roswell, NM 88202	1.6002	0.02000	Uncommitted
David Luna P.O. Box 1518 Roswell, NM 88202	1.6002	0.02000	Uncommitted
Warren Associates P.O. Box 10400 Albuquerque, NM 87184	1.6002	0.02000	Uncommitted
TRACT 3 TOTAL	80.01	.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 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1664	0.06354	Committed

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

Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.0225	Committed
Lindy's Living Trust 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1008	0.03813	Committed
Challenger Crude, Ltd. 400 W. Illinois Ave, Suite 1210 Midland, TX 79701	5.136	0.03210	Committed
TRACT 4 TOTAL	160	.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 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1664	0.06354	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0672	0.02542	Committed

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

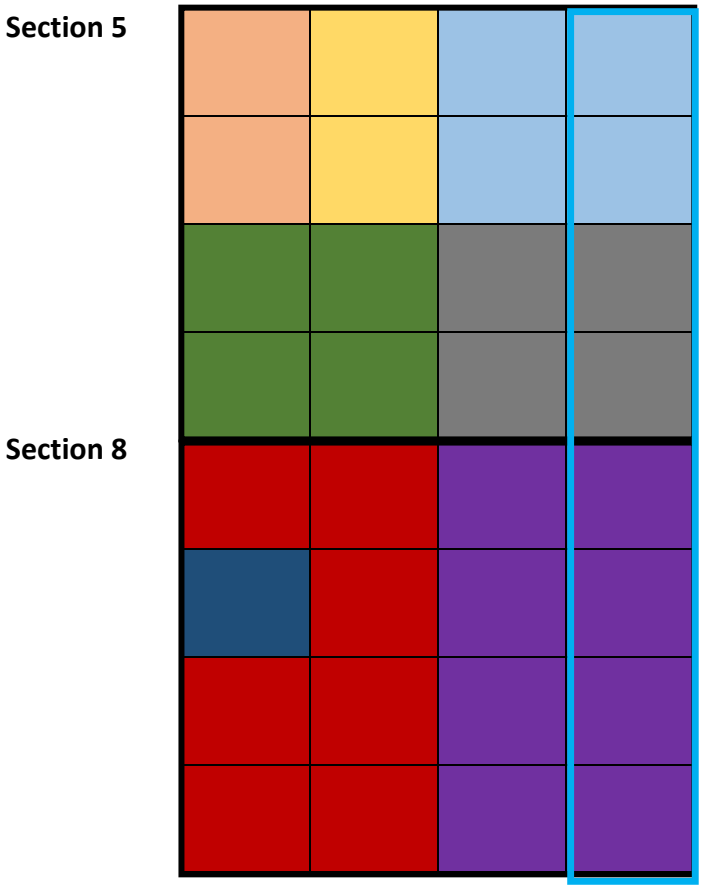
W/2E/2 of Section 5 and W/2E/2 of Section 8; all in T20S-R34E; 320.06 acres

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 2:
NMLC-0065607
(160.15 acres)

Tract 3:
NMNM-10115
(80.01 acres)

Tract 4:
NMLC-0064194
(160 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)

EXHIBIT
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)

Lease: USA NMLC-0065607

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

Delmar Hudson Lewis Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	2.5869	0.032320	Committed
First Century Oil 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	5.3355	0.066660	Uncommitted
Read and Stevens Inc. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	8.3170	0.103910	Uncommitted
CBR Oil Properties LLC 400 N. Pennsylvania, Ste 1080 Roswell, NM 88201	5.3355	0.066660	Uncommitted
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 5400 LBJ Fwy. Suite 1500 Dallas, TX 75240	28.8222	0.179970	Uncommitted

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

CBR Oil Properties LLC 400 N. Pennsylvania, Ste 1080 Roswell, NM 88201	10.6756	0.066660	Uncommitted
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	2.5448	0.015890	Committed
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. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	68.8086	0.86000	Uncommitted
CLM Production Co. P.O. Box 1361 Roswell, NM 88202	1.6002	0.02000	Uncommitted
Highland (Texas) Energy Corp. 11886 Greenville Ave., Suite 106 Dallas, TX 75243	1.6002	0.02000	Committed
Diamond Star Production 331 G. Street, SW Ardmore, OK 73401	1.6002	0.02000	Uncommitted

Carolyn Beall P.O. Box 3098 Midland, TX 79702	1.6002	0.02000	Uncommitted
Tierra Encantada P.O. Box 811 Roswell, NM 88202	1.6002	0.02000	Uncommitted
David Luna P.O. Box 1518 Roswell, NM 88202	1.6002	0.02000	Uncommitted
Warren Associates P.O. Box 10400 Albuquerque, NM 87184	1.6002	0.02000	Uncommitted
TRACT 3 TOTAL	80.01	.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 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1664	0.06354	Committed

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

Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.0225	Committed
Lindy's Living Trust 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1008	0.03813	Committed
Challenger Crude, Ltd. 400 W. Illinois Ave, Suite 1210 Midland, TX 79701	5.136	0.03210	Committed
TRACT 4 TOTAL	160	.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 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1664	0.06354	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0672	0.02542	Committed

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

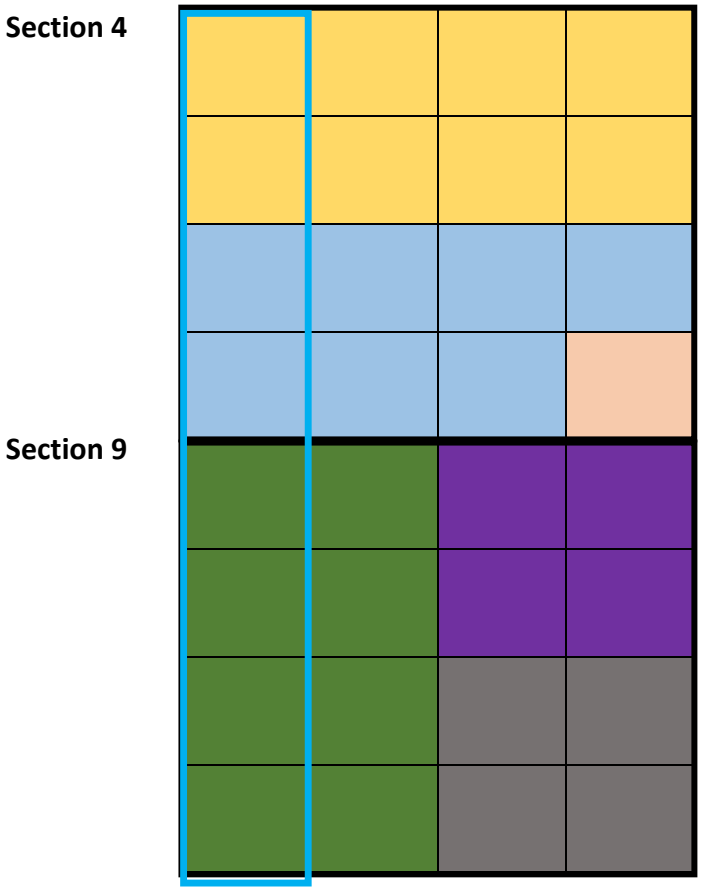
E/2E/2 of Section 5 and E/2E/2 of Section 8; all in T20S-R34E; 320.09 acres

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 2:
NMLC-0064194
(280 acres)

Tract 3:
NMLC-0064194
(40 acres)

Tract 4:
NMLC-0064194
(320 acres)

Tract 5:
NMLC-0064194
(160 acres)

Tract 6:
NMLC-0064194
(160 acres)

EXHIBIT
A-2.5

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)

Lease: USA NMLC-0065607

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

Cimarex Energy Co. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	66.84	0.208950	Committed
Challenger Crude, Ltd. 400 W. Illinois Ave, Suite 1210 Midland, TX 79701	10.2723	0.032101	Committed
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 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1000	0.038125	Committed
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1667	0.063542	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0667	0.025417	Committed
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	1.0166	0.006354	Committed

Ard Oil Ltd. P.O. Box 101027 Fort Worth, TX 76185	3.0501	0.019063	Uncommitted
Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.02250	Committed
HOG Partnership, LP 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Read and Stevens Inc. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	56.1901	0.351188	Uncommitted
First Century Oil 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	17.8101	0.111313	Uncommitted
Magnum Hunter Production Inc. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	28.000	0.17500	Committed
Cimarex Energy Co. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	22.000	0.13750	Committed
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 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1000	0.038125	Committed
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1667	0.063542	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0667	0.025417	Committed
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	1.0167	0.006354	Committed
Ard Oil Ltd. P.O. Box 101027 Fort Worth, TX 76185	3.0501	0.019063	Uncommitted
Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.02250	Committed

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

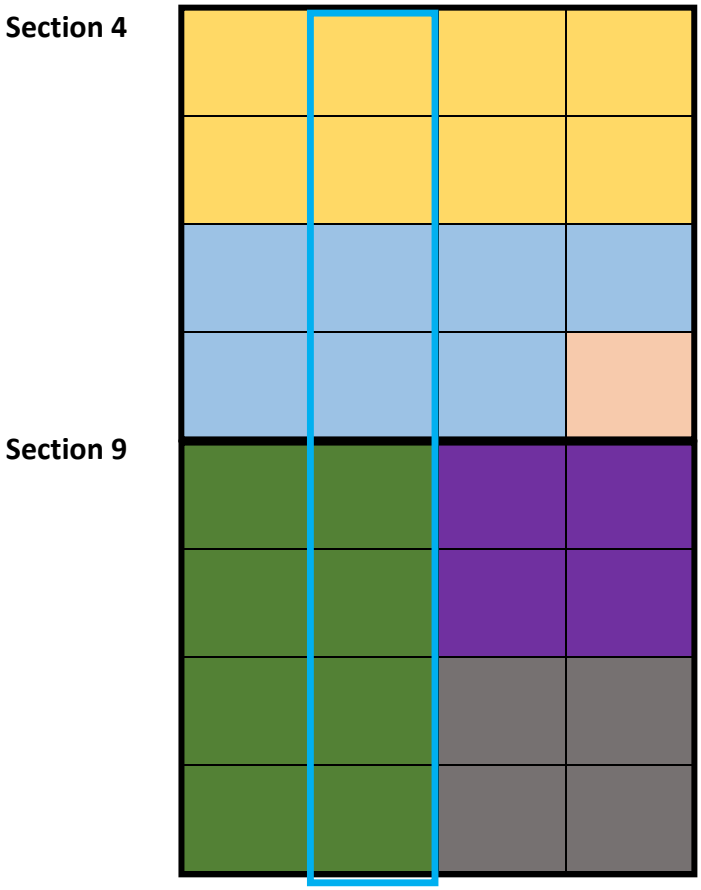
W/2W/2 of Section 4 and W/2W/2 of Section 9; all in T20S-R34E; 320.21 acres

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"

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 2:
NMLC-0064194
(280 acres)

Tract 3:
NMLC-0064194
(40 acres)

Tract 4:
NMLC-0064194
(320 acres)

Tract 5:
NMLC-0064194
(160 acres)

Tract 6:
NMLC-0064194
(160 acres)

EXHIBIT
A-2.6

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)

Lease: USA NMLC-0065607

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

Cimarex Energy Co. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	66.84	0.208950	Committed
Challenger Crude, Ltd. 400 W. Illinois Ave, Suite 1210 Midland, TX 79701	10.2723	0.032101	Committed
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 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1000	0.038125	Committed
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1667	0.063542	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0667	0.025417	Committed
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	1.0166	0.006354	Committed

Ard Oil Ltd. P.O. Box 101027 Fort Worth, TX 76185	3.0501	0.019063	Uncommitted
Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.02250	Committed
HOG Partnership, LP 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Read and Stevens Inc. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	56.1901	0.351188	Uncommitted
First Century Oil 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	17.8101	0.111313	Uncommitted
Magnum Hunter Production Inc. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	28.000	0.17500	Committed
Cimarex Energy Co. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	22.000	0.13750	Committed
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 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1000	0.038125	Committed
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1667	0.063542	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0667	0.025417	Committed
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	1.0167	0.006354	Committed
Ard Oil Ltd. P.O. Box 101027 Fort Worth, TX 76185	3.0501	0.019063	Uncommitted
Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.02250	Committed

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

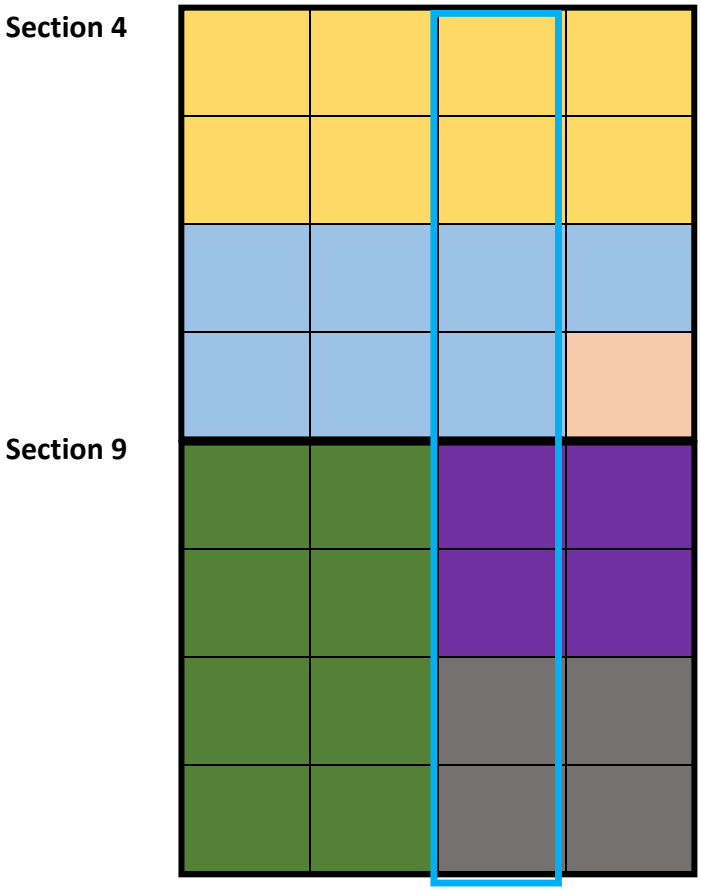
E/2W/2 of Section 4 and E/2W/2 of Section 9; all in T20S-R34E; 320.44 acres

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 3:
NMLC-0064194
(40 acres)

Tract 4:
NMLC-0064194
(320 acres)

Tract 5:
NMLC-0064194
(160 acres)

Tract 6:
NMLC-0064194
(160 acres)

EXHIBIT
A-2.7

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)

Lease: USA NMLC-0065607

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

Cimarex Energy Co. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	66.84	0.208950	Committed
Challenger Crude, Ltd. 400 W. Illinois Ave, Suite 1210 Midland, TX 79701	10.2723	0.032101	Committed
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 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1000	0.038125	Committed
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1667	0.063542	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0667	0.025417	Committed
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	1.0166	0.006354	Committed

Ard Oil Ltd. P.O. Box 101027 Fort Worth, TX 76185	3.0501	0.019063	Uncommitted
Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.02250	Committed
HOG Partnership, LP 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Read and Stevens Inc. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	56.1901	0.351188	Uncommitted
First Century Oil 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	17.8101	0.111313	Uncommitted
Magnum Hunter Production Inc. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	28.000	0.17500	Committed
Cimarex Energy Co. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	22.000	0.13750	Committed
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 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1000	0.038125	Committed
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1667	0.063542	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0667	0.025417	Committed
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	1.0167	0.006354	Committed
Ard Oil Ltd. P.O. Box 101027 Fort Worth, TX 76185	3.0501	0.019063	Uncommitted
Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.02250	Committed

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

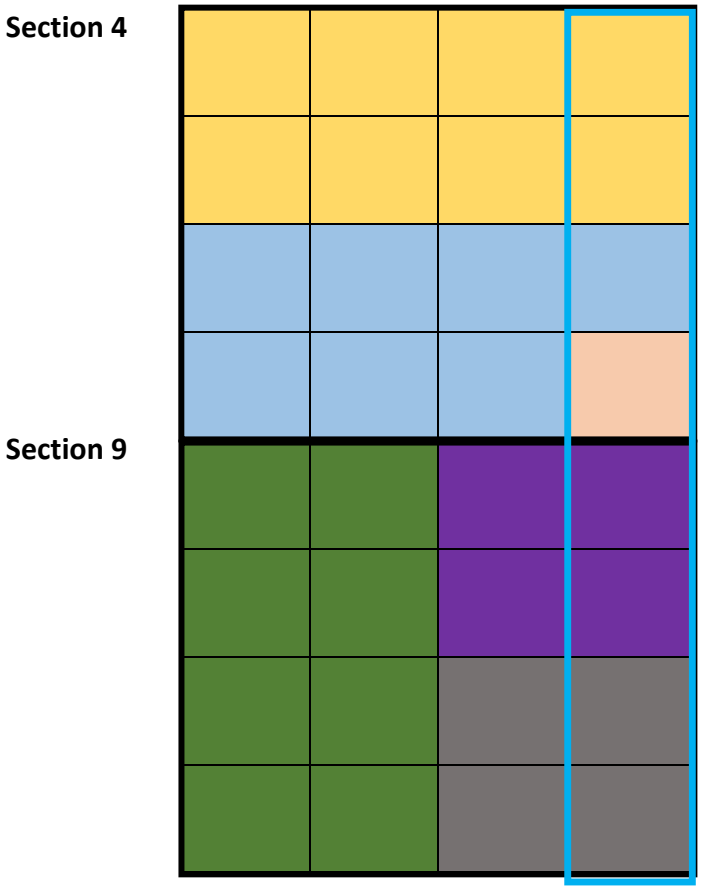
W/2E/2 of Section 4 and W/2E/2 of Section 9; all in T20S-R34E; 320.66 acres

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 2:
NMLC-0064194
(280 acres)

Tract 3:
NMLC-0064194
(40 acres)

Tract 4:
NMLC-0064194
(320 acres)

Tract 5:
NMLC-0064194
(160 acres)

Tract 6:
NMLC-0064194
(160 acres)

EXHIBIT
A-2.8

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)

Lease: USA NMLC-0065607

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

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

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

Lease: USA NMLC-0064194

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

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

Cimarex Energy Co. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	66.84	0.208950	Committed
Challenger Crude, Ltd. 400 W. Illinois Ave, Suite 1210 Midland, TX 79701	10.2723	0.032101	Committed
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 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1000	0.038125	Committed
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1667	0.063542	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0667	0.025417	Committed
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	1.0166	0.006354	Committed

Ard Oil Ltd. P.O. Box 101027 Fort Worth, TX 76185	3.0501	0.019063	Uncommitted
Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.02250	Committed
HOG Partnership, LP 5950 Cedar Springs Rd., Ste. 242 Dallas, TX 75235	8.0000	0.05000	Uncommitted
Read and Stevens Inc. 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	56.1901	0.351188	Uncommitted
First Century Oil 300 N. Marienfeld St., Ste. 1000 Midland, TX 79701	17.8101	0.111313	Uncommitted
Magnum Hunter Production Inc. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	28.000	0.17500	Committed
Cimarex Energy Co. 6001 Deauville Blvd., Ste 300N Midland, TX 79706	22.000	0.13750	Committed
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 4200 S. Hulen Street, Suite 302 Fort Worth, TX 76109	6.1000	0.038125	Committed
Javelina Partners 616 Texas St. Fort Worth, TX 76102	10.1667	0.063542	Committed
Zorro Partners, Ltd. 616 Texas St. Fort Worth, TX 76102	4.0667	0.025417	Committed
Josephine T. Hudson Trust 6001 Deauville Blvd., Ste 300N Midland, TX 79706	1.0167	0.006354	Committed
Ard Oil Ltd. P.O. Box 101027 Fort Worth, TX 76185	3.0501	0.019063	Uncommitted
Moore and Shelton Inc. P.O. Box 3070 Galveston, TX 77552	3.6000	0.02250	Committed

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

CIMAREX
A SUBSIDIARY OF COTERRA

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.

EXHIBIT
A-3

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

COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 204H AFE # XXXXXXX

Company Entity				Date Prepared 8/17/2022
Exploration Region	Well Name	Prospect	Property Number	AFE
Permian Basin	Mighty Pheasant 5-8 Fed Com 204H	New Mexico Bone Spring	XXXXXX-XXX.01	XXXXXXXX
County, State	Location		Estimated Spud	Estimated Completion
Lea, NM	Section 5-8 T20S-R34E Lea, NM			
X New / Supplement / Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vetical Depth
	2nd Sand	DEV	19808	10308

Purpose Description: Drill and complete well

Drilling: The intended surface hold location for the well is 280 FSL and 1520 FEL of Section 32, T19S-R34E, and the intended bottom hole location is 100 FSL and 708 FEL of Section 8, 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 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
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

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

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

COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 204H AFE # XXXXXXX

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	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	109,193	109,193
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							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					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		212,193	7,122,26
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					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							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			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			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.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
Total Estimated Cost		**2,868,500**		**1,116,000**		**3,744,000**		**1,459,996**		**242,193**	**9,430,689**

COTERRA Authorization For Expenditure - Mighty Pheasant 5-8 Fed Com 204H AFE # XXXXXXX

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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	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						
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	DWEA.125	0	DWEA.125		0			
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									
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 204H AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		48,637	PCOM.100	Repair any roads post D&C	3,000	74,637
Damages	CON.105		15807				32,307
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation							30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							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		1,378	PCOM.140	Iron. XEC Own 5K. No 10K. $1,100 per day	60,000	295,378
Downhole Rentals				PCOM.145		0	166,000
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Automation Labor	CON.150		36,558	PCOM.150		5,000	41,558
Mud Logging							5,000
IPC & EXTERNAL PAINTING	CON.165		18,888				18,888
Cementing & Float Equipment							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	PCOM.175		0	59,833
Supervision	CON.180		21,238	PCOM.180		0	162,238
Trailer House/Camp/Catering							72,000
Other Misc Expenses	CON.190		24,318	PCOM.190		0	114,318
Overhead							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				0
SWD/Other - Supervision	CON.605		0				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			212,193	7,122,261
Conductor Pipe							0
Water String							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		10,538				10,538
PUMPS	CONT.385		30,804				30,804
WALKOVERS	CONT.390		4,053				4,053
Downhole Lift Equipment				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				PCOMT.455	PTs, and replacing meters	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	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			790,428			30,000	2,308,428
Total Estimated Cost			**1,459,996**			**242,193**	**9,430,689**

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

Company Entity				Date Prepared 8/17/2022
Exploration Region: Permian Basin	Well Name: Mighty Pheasant 5-8 Fed Com 301H	Prospect: New Mexico Bone Spring	Property Number: XXXXXX-XXX.01	AFE: XXXXXXXX
County, State: Lea, NM	Location: Section 5-8 T20S-R34E Lea, NM		Estimated Spud	Estimated Completion
X New / Supplement / Revision	Formation: 3rd Sand	Well Type: DEV	Ttl Measured Depth: 20370	Ttl Vetical Depth: 10870

Purpose Description: Drill and complete well

Drilling: 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 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.

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

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

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

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

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	44,205	PCOM.100	3,000	70,205
Damages	DIDC.105	16,500					CON.105	3215			19,715
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	6,912	PCOM.140	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							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			5,144
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	185,663	PCOM.170	5,000	213,663
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000	STIM.175	4,000	CON.175	16,075	PCOM.175	0	58,075
Supervision	DIDC.210	81,000	DICC.180	13,000	STIM.180	47,000	CON.180	11,574	PCOM.180	0	152,574
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	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									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									7,000
Major Construction Overhead							CON.305	0			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	6,590			6,590
SWD/Other - Labor							CON.600	0			0
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	CON.220	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									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					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							0
Packer, Nipples					STIMT.400	28,000			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					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							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			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**

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

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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	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						
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	DWEA.125	0	DWEA.125		0			
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									
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 301H AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		44,205	PCOM.100	Repair any roads post D&C	3,000	70,205
Damages	CON.105		3215				19,715
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation							30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							300,000
SWD PIPED TO 3RD PARTY SWD WELL				PCOM.257	Water for 60 days (270K barrels)	87,354	87,354
Surface Rentals	CON.140		6,912	PCOM.140	Iron. XEC Own 5K. No 10K. $1,100 per day	60,000	300,912
Downhole Rentals				PCOM.145		0	166,000
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Automation Labor	CON.150		45,010	PCOM.150		5,000	50,010
Mud Logging							5,000
IPC & EXTERNAL PAINTING	CON.165		5,144				5,144
Cementing & Float Equipment							210,000
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							72,000
Other Misc Expenses	CON.190		19,290	PCOM.190		0	109,290
Overhead							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		0				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				0
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			639,935			190,354	7,070,789
Conductor Pipe							0
Water String							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				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				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				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			840,065			30,000	2,358,065
Total Estimated Cost			**1,480,000**			**220,354**	**9,428,854**

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

Company Entity				Date Prepared: 8/17/2022
Exploration Region: Permian Basin	Well Name: Mighty Pheasant 5-8 Fed Com 302H	Prospect: New Mexico Bone Spring	Property Number: XXXXXX-XXX.01	AFE: XXXXXXXX
County, State: Lea, NM	Location: Section 5-8 T20S-R34E Lea, NM		Estimated Spud	Estimated Completion
X New / Supplement / Revision	Formation: 3rd Sand	Well Type: DEV	Ttl Measured Depth: 20360	Ttl Vetical Depth: 10860

Purpose Description: Drill and complete well

Drilling: The intended surface hold location for the well is 390 FNL and 1230 FWL of Section 5, T20S-R34E, and the intended bottom hole location is 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.

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

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

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

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

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	44,205	PCOM.100	3,000	70,205
Damages	DIDC.105	16,500					CON.105	3215			19,715
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	6,912	PCOM.140	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							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			5,144
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	185,663	PCOM.170	5,000	213,663
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000	STIM.175	4,000	CON.175	16,075	PCOM.175	0	58,075
Supervision	DIDC.210	81,000	DICC.180	13,000	STIM.180	47,000	CON.180	11,574	PCOM.180	0	152,574
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	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									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									7,000
Major Construction Overhead							CON.305	0			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	6,590			6,590
SWD/Other - Labor							CON.600	0			0
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	CON.220	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									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					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							0
Packer, Nipples					STIMT.400	28,000			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					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							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			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**

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

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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	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						
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	DWEA.125	0	DWEA.125		0			
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									
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 AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		44,205	PCOM.100	Repair any roads post D&C	3,000	70,205
Damages	CON.105		3215				19,715
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation							30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							300,000
SWD PIPED TO 3RD PARTY SWD WELL				PCOM.257	Water for 60 days (270K barrels)	87,354	87,354
Surface Rentals	CON.140		6,912	PCOM.140	Iron. XEC Own 5K. No 10K. $1,100 per day	60,000	300,912
Downhole Rentals				PCOM.145		0	166,000
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Automation Labor	CON.150		45,010	PCOM.150		5,000	50,010
Mud Logging							5,000
IPC & EXTERNAL PAINTING	CON.165		5,144				5,144
Cementing & Float Equipment							210,000
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							72,000
Other Misc Expenses	CON.190		19,290	PCOM.190		0	109,290
Overhead							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		0				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				0
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			639,935			190,354	7,070,789
Conductor Pipe							0
Water String							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				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				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				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			840,065			30,000	2,358,065
Total Estimated Cost			**1,480,000**			**220,354**	**9,428,854**

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 Number: XXXXXX-XXX.01	AFE: XXXXXXXX
County, State: Lea, NM	Location: Section 5-8 T20S-R34E Lea, NM		Estimated Spud	Estimated Completion
X New / Supplement / Revision	Formation: 3rd Sand	Well Type: DEV	Ttl Measured Depth: 20350	Ttl Vetical Depth: 10850

Purpose Description: Drill and complete well

Drilling: The intended surface hold location for the well is 280 FSL and 1540 FEL of Section 32, T19S-R34E, and the intended bottom hole location is 100 FSL and 2122 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 10850 feet.

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	$2,475,500		$2,475,500
Completion Costs		$4,624,922	$4,624,922
Total Intangible Cost	**$2,475,500**	**$4,624,922**	**$7,100,422**
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	$6,540,350	$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.**

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

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

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

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	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							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					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									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					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							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			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			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.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
Total Estimated Cost		**2,868,500**		**1,116,000**		**3,744,000**		**1,459,996**		**220,354**	**9,408,850**

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

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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	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						
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	DWEA.125	0	DWEA.125		0			
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									
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 303H AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		48,637	PCOM.100	Repair any roads post D&C	3,000	74,637
Damages	CON.105		15807				32,307
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation							30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							300,000
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	PCOM.140	Iron. XEC Own 5K. No 10K. $1,100 per day	60,000	295,378
Downhole Rentals				PCOM.145		0	166,000
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Automation Labor	CON.150		36,558	PCOM.150		5,000	41,558
Mud Logging							5,000
IPC & EXTERNAL PAINTING	CON.165		18,888				18,888
Cementing & Float Equipment							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	PCOM.175		0	59,833
Supervision	CON.180		21,238	PCOM.180		0	162,238
Trailer House/Camp/Catering							72,000
Other Misc Expenses	CON.190		24,318	PCOM.190		0	114,318
Overhead							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				0
SWD/Other - Supervision	CON.605		0				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							0
Water String							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		10,538				10,538
PUMPS	CONT.385		30,804				30,804
WALKOVERS	CONT.390		4,053				4,053
Downhole Lift Equipment				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				PCOMT.455	PTs, and replacing meters	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	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			790,428			30,000	2,308,428
Total Estimated Cost			**1,459,996**			**220,354**	**9,408,850**

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

Company Entity				Date Prepared 8/17/2022
Exploration Region: Permian Basin	Well Name: Mighty Pheasant 5-8 Fed Com 304H	Prospect: New Mexico Bone Spring	Property Number: XXXXXX-XXX.01	AFE: XXXXXXXX
County, State: Lea, NM	Location: Section 5-8 T20S-R34E Lea, NM		Estimated Spud	Estimated Completion
X New / Supplement / Revision	Formation: 3rd Sand	Wel Type: DEV	Ttl Measured Depth: 20340	Ttl Vetical Depth: 10840

Purpose Description: Drill and complete well

Drilling: 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 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.

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	$2,475,500		$2,475,500
Completion Costs		$4,624,922	$4,624,922
Total Intangible Cost	**$2,475,500**	**$4,624,922**	**$7,100,422**
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	$6,540,350	$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.**

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

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

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

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	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							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					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									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					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							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			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			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.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
Total Estimated Cost		**2,868,500**		**1,116,000**		**3,744,000**		**1,459,996**		**220,354**	**9,408,850**

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

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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	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						
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	DWEA.125	0	DWEA.125		0			
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									
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 304H AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		48,637	PCOM.100	Repair any roads post D&C	3,000	74,637
Damages	CON.105		15807				32,307
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation							30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							300,000
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	PCOM.140	Iron. XEC Own 5K. No 10K. $1,100 per day	60,000	295,378
Downhole Rentals				PCOM.145		0	166,000
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Automation Labor	CON.150		36,558	PCOM.150		5,000	41,558
Mud Logging							5,000
IPC & EXTERNAL PAINTING	CON.165		18,888				18,888
Cementing & Float Equipment							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	PCOM.175		0	59,833
Supervision	CON.180		21,238	PCOM.180		0	162,238
Trailer House/Camp/Catering							72,000
Other Misc Expenses	CON.190		24,318	PCOM.190		0	114,318
Overhead							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				0
SWD/Other - Supervision	CON.605		0				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							0
Water String							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		10,538				10,538
PUMPS	CONT.385		30,804				30,804
WALKOVERS	CONT.390		4,053				4,053
Downhole Lift Equipment				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				PCOMT.455	PTs, and replacing meters	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	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			790,428			30,000	2,308,428
Total Estimated Cost			**1,459,996**			**220,354**	**9,408,850**

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

CIMAREX
A SUBSIDIARY OF COTERRA

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

CIMAREX
A SUBSIDIARY OF COTERRA

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.

Loosey Goosey 4-9 Fed Com 201H - 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.

Loosey Goosey 4-9 Fed Com 202H - 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.

Loosey Goosey 4-9 Fed Com 203H - 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.

Loosey Goosey 4-9 Fed Com 204H - 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.

Loosey Goosey 4-9 Fed Com 301H - 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.

Loosey Goosey 4-9 Fed Com 302H - 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.

Loosey Goosey 4-9 Fed Com 303H - 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.

Loosey Goosey 4-9 Fed Com 304H - 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

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

Company Entity				Date Prepared 8/17/2022
Exploration Region: Permian Basin	Well Name: Loosey Goosey 4-9 Fed Com 204H	Prospect: New Mexico Bone Spring	Property Number: XXXXXX-XXX.01	AFE: XXXXXXXX
County, State: Lea, NM	Location: Section 4-9 T20S-R34E Lea, NM		Estimated Spud	Estimated Completion
X New / Supplement / Revision	Formation: 2nd Sand	Well Type: DEV	Ttl Measured Depth: 19800	Ttl Vetical Depth: 10300

Purpose Description: Drill and complete well

Drilling: 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 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.

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	$2,475,500		$2,475,500
Completion Costs		$4,314,672	$4,314,672
Total Intangible Cost	**$2,475,500**	**$4,314,672**	**$6,790,172**
Tangible	**Dry Hole**	**After Casing Point**	**Completed Well Cost**
Well Equipment	$393,000	$1,125,000	$1,518,000
Lease Equipment		$262,523	$262,523
Total Tangible Cost	**$393,000**	**$1,387,523**	**$1,780,523**
Total Well Cost	$2,868,500	$5,702,195	$8,570,695

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

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

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

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	4,989	PCOM.100	3,000	30,989
Damages	DIDC.105	16,500					CON.105	0			16,500
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	109,193	109,193
Surface Rentals	DIDC.150	97,000	DICC.140	0	STIM.140	137,000	CON.140	3,118	PCOM.140	60,000	297,118
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	26,689	PCOM.150	5,000	31,689
Mud Logging	DIDC.170	5,000									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	STIM.165	0					28,000
Mechanical Labor	DIDC.200	20,000	DICC.170	3,000	STIM.170	0	CON.170	84,182	PCOM.170	5,000	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	STIM.280	31,000					72,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	85,000	CON.190	14,966	PCOM.190	0	104,966
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
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									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	DIDC.435	118,000	DICC.220	15,000	STIM.220	165,000	CON.220	42,153	PCOM.220	0	340,153
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	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
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
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
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
Total Estimated Cost		**2,868,500**		**1,116,000**		**3,744,000**		**600,002**		**242,193**	**8,570,695**

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

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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 - Supervision									
Survey									
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						
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	DWEA.125	0	DWEA.125		0			
Packer, Nipples							STIMT.400		28,000
SHORT ORDERS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
Surface Equipment									
Well Automation Materials									
N/C Lease Equipment									
Battery Equipment									
Secondary Containments									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - 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 - Loosey Goosey 4-9 Fed Com 204H AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		4,989	PCOM.100	Repair any roads post D&C	3,000	30,989
Damages	CON.105		0				16,500
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation							30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							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	PCOM.140	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	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							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							72,000
Other Misc Expenses	CON.190		14,966	PCOM.190		0	104,966
Overhead							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		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	PCOM.220	10% Contingency	0	340,153
Contingency	CON.221		12,347				12,347
Total Intangible Cost			337,479			212,193	6,790,172
Conductor Pipe							0
Water String							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		8,730				8,730
WALKOVERS	CONT.390		2,494				2,494
Downhole Lift Equipment				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				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**			**242,193**	**8,570,695**

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

Company Entity				Date Prepared 8/17/2022
Exploration Region	Well Name	Prospect	Property Number	AFE
Permian Basin	Loosey Goosey 4-9 Fed Com 301H	New Mexico Bone Spring	XXXXXX-XXX.01	XXXXXXXX
County, State	Location		Estimated Spud	Estimated Completion
Lea, NM	Section 4-9 T20S-R34E Lea, NM			
X New / Supplement / Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vetical Depth
	3rd Sand	DEV	20330	10830

Purpose Description: Drill and complete well

Drilling: 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 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.

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	$2,475,500		$2,475,500
Completion Costs		$4,624,922	$4,624,922
Total Intangible Cost	**$2,475,500**	**$4,624,922**	**$7,100,422**

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	$6,540,350	$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.**

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

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.

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

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	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							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					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									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					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							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			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			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.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
Total Estimated Cost		**2,868,500**		**1,116,000**		**3,744,000**		**1,459,996**		**220,354**	**9,408,850**

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

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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	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						
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	DWEA.125	0	DWEA.125		0			
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									
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 - Loosey Goosey 4-9 Fed Com 301H AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		48,637	PCOM.100	Repair any roads post D&C	3,000	74,637
Damages	CON.105		15807				32,307
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation							30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							300,000
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	PCOM.140	Iron. XEC Own 5K. No 10K. $1,100 per day	60,000	295,378
Downhole Rentals				PCOM.145		0	166,000
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Automation Labor	CON.150		36,558	PCOM.150		5,000	41,558
Mud Logging							5,000
IPC & EXTERNAL PAINTING	CON.165		18,888				18,888
Cementing & Float Equipment							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	PCOM.175		0	59,833
Supervision	CON.180		21,238	PCOM.180		0	162,238
Trailer House/Camp/Catering							72,000
Other Misc Expenses	CON.190		24,318	PCOM.190		0	114,318
Overhead							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				0
SWD/Other - Supervision	CON.605		0				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							0
Water String							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		10,538				10,538
PUMPS	CONT.385		30,804				30,804
WALKOVERS	CONT.390		4,053				4,053
Downhole Lift Equipment				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				PCOMT.455	PTs, and replacing meters	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	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			790,428			30,000	2,308,428
Total Estimated Cost			**1,459,996**			**220,354**	**9,408,850**

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

Company Entity				Date Prepared 8/17/2022
Exploration Region: Permian Basin	Well Name: Loosey Goosey 4-9 Fed Com 302H	Prospect: New Mexico Bone Spring	Property Number: XXXXXX-XXX.01	AFE: XXXXXXXX
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: 20320	Ttl Vetical Depth: 10820

Purpose Description: Drill and complete well

Drilling: The intended surface hold location for the well is 1300 FSL and 1500 FWL of Section 33, T19S-R34E, and the intended bottom hole location is 100 FSL and 2120 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 10820 feet.

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	$2,475,500		$2,475,500
Completion Costs		$4,624,922	$4,624,922
Total Intangible Cost	**$2,475,500**	**$4,624,922**	**$7,100,422**
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	$6,540,350	$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.**

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

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

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

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	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							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					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									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					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							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			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			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.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
Total Estimated Cost		**2,868,500**		**1,116,000**		**3,744,000**		**1,459,996**		**220,354**	**9,408,850**

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

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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	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						
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	DWEA.125	0	DWEA.125		0			
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									
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 - Loosey Goosey 4-9 Fed Com 302H AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		48,637	PCOM.100	Repair any roads post D&C	3,000	74,637
Damages	CON.105		15807				32,307
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation						-	30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							300,000
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	PCOM.140	Iron. XEC Own 5K. No 10K. $1,100 per day	60,000	295,378
Downhole Rentals				PCOM.145		0	166,000
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Automation Labor	CON.150		36,558	PCOM.150		5,000	41,558
Mud Logging							5,000
IPC & EXTERNAL PAINTING	CON.165		18,888				18,888
Cementing & Float Equipment							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	PCOM.175		0	59,833
Supervision	CON.180		21,238	PCOM.180		0	162,238
Trailer House/Camp/Catering							72,000
Other Misc Expenses	CON.190		24,318	PCOM.190		0	114,318
Overhead							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				0
SWD/Other - Supervision	CON.605		0				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							0
Water String							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		10,538				10,538
PUMPS	CONT.385		30,804				30,804
WALKOVERS	CONT.390		4,053				4,053
Downhole Lift Equipment				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				PCOMT.455	PTs, and replacing meters	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	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			790,428			30,000	2,308,428
Total Estimated Cost			**1,459,996**			**220,354**	**9,408,850**

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

Company Entity				Date Prepared 8/17/2022
Exploration Region: Permian Basin	Well Name: Loosey Goosey 4-9 Fed Com 303H	Prospect: New Mexico Bone Spring	Property Number: XXXXXX-XXX.01	AFE: XXXXXXXX
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: 20310	Ttl Vetical Depth: 10810

Purpose Description: Drill and complete well

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
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

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

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

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

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	44,205	PCOM.100	3,000	70,205
Damages	DIDC.105	16,500					CON.105	3215			19,715
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	6,912	PCOM.140	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							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			5,144
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	185,663	PCOM.170	5,000	213,663
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000	STIM.175	4,000	CON.175	16,075	PCOM.175	0	58,075
Supervision	DIDC.210	81,000	DICC.180	13,000	STIM.180	47,000	CON.180	11,574	PCOM.180	0	152,574
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	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									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									7,000
Major Construction Overhead							CON.305	0			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	6,590			6,590
SWD/Other - Labor							CON.600	0			0
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	CON.220	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									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					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							0
Packer, Nipples					STIMT.400	28,000			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					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							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			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**

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

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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	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						
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	DWEA.125	0	DWEA.125		0			
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									
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 - Loosey Goosey 4-9 Fed Com 303H AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		44,205	PCOM.100	Repair any roads post D&C	3,000	70,205
Damages	CON.105		3215				19,715
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation							30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							300,000
SWD PIPED TO 3RD PARTY SWD WELL				PCOM.257	Water for 60 days (270K barrels)	87,354	87,354
Surface Rentals	CON.140		6,912	PCOM.140	Iron. XEC Own 5K. No 10K. $1,100 per day	60,000	300,912
Downhole Rentals				PCOM.145		0	166,000
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Automation Labor	CON.150		45,010	PCOM.150		5,000	50,010
Mud Logging							5,000
IPC & EXTERNAL PAINTING	CON.165		5,144				5,144
Cementing & Float Equipment							210,000
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							72,000
Other Misc Expenses	CON.190		19,290	PCOM.190		0	109,290
Overhead							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		0				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				0
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			639,935			190,354	7,070,789
Conductor Pipe							0
Water String							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				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				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				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			840,065			30,000	2,358,065
Total Estimated Cost			**1,480,000**			**220,354**	**9,428,854**

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

Company Entity				Date Prepared 8/17/2022
Exploration Region	Well Name	Prospect	Property Number	AFE
Permian Basin	Loosey Goosey 4-9 Fed Com 304H	New Mexico Bone Spring	XXXXXX-XXX.01	XXXXXXXX
County, State	Location		Estimated Spud	Estimated Completion
Lea, NM	Section 4-9 T20S-R34E Lea, NM			
X New / Supplement / Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vetical Depth
	3rd Sand	DEV	20300	10800

Purpose Description: Drill and complete well

Drilling: The intended surface hold location for the well is 280 FSL and 1500 FEL of Section 33, T19S-R34E, and the intended bottom hole location is 100 FSL and 330 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 10800 feet.

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

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

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

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

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	20,000			STIM.100	3,000	CON.100	44,205	PCOM.100	3,000	70,205
Damages	DIDC.105	16,500					CON.105	3215			19,715
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	6,912	PCOM.140	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							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			5,144
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	185,663	PCOM.170	5,000	213,663
Trucking/Transportation	DIDC.205	30,000	DICC.175	8,000	STIM.175	4,000	CON.175	16,075	PCOM.175	0	58,075
Supervision	DIDC.210	81,000	DICC.180	13,000	STIM.180	47,000	CON.180	11,574	PCOM.180	0	152,574
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	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									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									7,000
Major Construction Overhead							CON.305	0			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	6,590			6,590
SWD/Other - Labor							CON.600	0			0
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	CON.220	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									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					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							0
Packer, Nipples					STIMT.400	28,000			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					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							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			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**

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

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		20,000				STIM.100	CON.100	3,000
Damages	DIDC.105		16,500						
Mud/Fluids Disposal	DIDC.255		200,000				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						
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		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	20,000	DICC.170	STIM.170	3,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	30,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	81,000	DICC.180	STIM.180	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						
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							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	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						
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	DWEA.125	0	DWEA.125		0			
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									
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 - Loosey Goosey 4-9 Fed Com 304H AFE # XXXXXXX

Description	Production Equip			Post Completion			Total
	Codes		Amount	Codes		Amount	Cost
Roads & Location	CON.100		44,205	PCOM.100	Repair any roads post D&C	3,000	70,205
Damages	CON.105		3215				19,715
Mud/Fluids Disposal				PCOM.255		0	251,000
Day Rate							564,000
Misc Preparation							30,000
Bits				PCOM.125		0	97,000
Fuel				PCOM.130		0	119,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0	25,000
Mud & Additives							300,000
SWD PIPED TO 3RD PARTY SWD WELL				PCOM.257	Water for 60 days (270K barrels)	87,354	87,354
Surface Rentals	CON.140		6,912	PCOM.140	Iron. XEC Own 5K. No 10K. $1,100 per day	60,000	300,912
Downhole Rentals				PCOM.145		0	166,000
Flowback Labor				PCOM.141	3 Flowback Hands (60 days). 25%	30,000	30,000
Automation Labor	CON.150		45,010	PCOM.150		5,000	50,010
Mud Logging							5,000
IPC & EXTERNAL PAINTING	CON.165		5,144				5,144
Cementing & Float Equipment							210,000
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							72,000
Other Misc Expenses	CON.190		19,290	PCOM.190		0	109,290
Overhead							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		0				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				0
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			639,935			190,354	7,070,789
Conductor Pipe							0
Water String							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				PCOMT.410		0	80,000
Surface Equipment				PCOMT.420	Replacing Chokes, Stuffing Boxes, and all	15,000	15,000
Well Automation Materials				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				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			840,065			30,000	2,358,065
Total Estimated Cost			**1,480,000**			**220,354**	**9,428,854**

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

CIMAREX
A SUBSIDIARY OF COTERRA

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.

Permian Resources- 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

EXHIBIT
A-4

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

Moore & Shelton Co. LLP
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. Moore

Paul Moore
Moore & Shelton Co. LLP
General Partner

EXHIBIT
A-5

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

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Total Permian Development Cost	Net Cost Per WIO	Total Coterra Development Cost	Net Cost Per WIO	Difference between Developments
Delmar 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	$ 7,767,448.26
Avalon Energy Corp.	$ 1,737,833.25	Avalon Energy Corp.	$ 1,051,547.61	$ 686,285.64
	$ 539,893,326.89		$ 283,253,951.43	**$ 256,639,375.46**
				Total Cost Delta Between Developments

EXHIBIT
A-6

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	In Favor of CTRA	In Favor of R&S							
	Mighty Pheasant - Wolfcamp Tract by Tract								
Wolfcamp Owner	Section 5: Lot 3 & SENW	Section 5: NE4	Section 5: Lot 4 & SWNW	Section 5: SW4	Section 5: SE4	Section 8: E2	Section 8: E2W2, NWNW, W2SW	Section 8: SWNW	
MRC Permian	17.997%	17.9970%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	Neutral
HOG Partnership LP	12.500%	12.5000%	0.0000%	5.0000%	5.0000%	5.0000%	5.0000%	5.0000%	Neutral
Northern Oil and Gas	12.422%	12.4220%	0.0000%	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%	6.3540%	CTRA Support
Zorro Partners	22.212%	14.2690%	0.0000%	2.5420%	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%	0.0000%	CTRA Support
First Century Oil	6.666%	6.6660%	0.0000%	7.4430%	7.4430%	7.4430%	5.6620%	17.3310%	PR Owned
Read and Stevens	10.391%	10.3910%	86.0000%	28.4520%	28.4520%	28.4520%	25.2330%	31.3250%	PR Owned
CBR Oil Prop	6.666%	6.6660%	0.0000%	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%	1.9060%	PR Support
Josephine Hudson Trust	0.000%	1.5890%	0.0000%	0.6350%	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%	17.5000%	CTRA Owned
CLM Production Co.	0.000%	0.0000%	2.0000%	0.0000%	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%	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 - Wolfcamp Tract by Tract						
Wolfcamp Owner	Section 4: N2	Section 4: N2S2, 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%	

EXHIBIT
A-7

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:	3rd bone Spring Isopach Map
Exhibit B-7:	Structural Cross Section
Exhibit B-8:	3rd Bone Spring Producers vs. all Wolfcamp Producers
Exhibit B-9:	All 3rd Bone Spring and Wolfcamp Producers
Exhibit B-10:	Comparing 3rd Sand to Wolfcamp Reservoir (SoPhiH)
Exhibit B-11:	2nd Bone Spring Structure Map
Exhibit B-12:	2nd Bone Spring Sand Isopach
Exhibit B-13:	2nd Bone Spring Sand Cross Section
Exhibit B-14:	2nd Bone Spring Sand vs. 3rd Bone Spring Carbonate Producers
Exhibit B-15:	PhilH L 2nd Sand vs. 3rd Carbonate
Exhibit B-16:	1st Bone Spring Sand Structure
Exhibit B-17:	1st Bone Spring Sand Isopach
Exhibit B-18:	1st Bone Spring Structural Cross Section
Exhibit B-19:	Wolfcamp Structure Map (Subsea TVD)
Exhibit B-20:	Wolfcamp XY Isopach
Exhibit B-21:	Wolfcamp XY West to East Cross Section
Exhibit B-22:	3D Seismic Outline
Exhibit B-23:	Cross Section Across 3rd 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.

EXHIBIT B

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

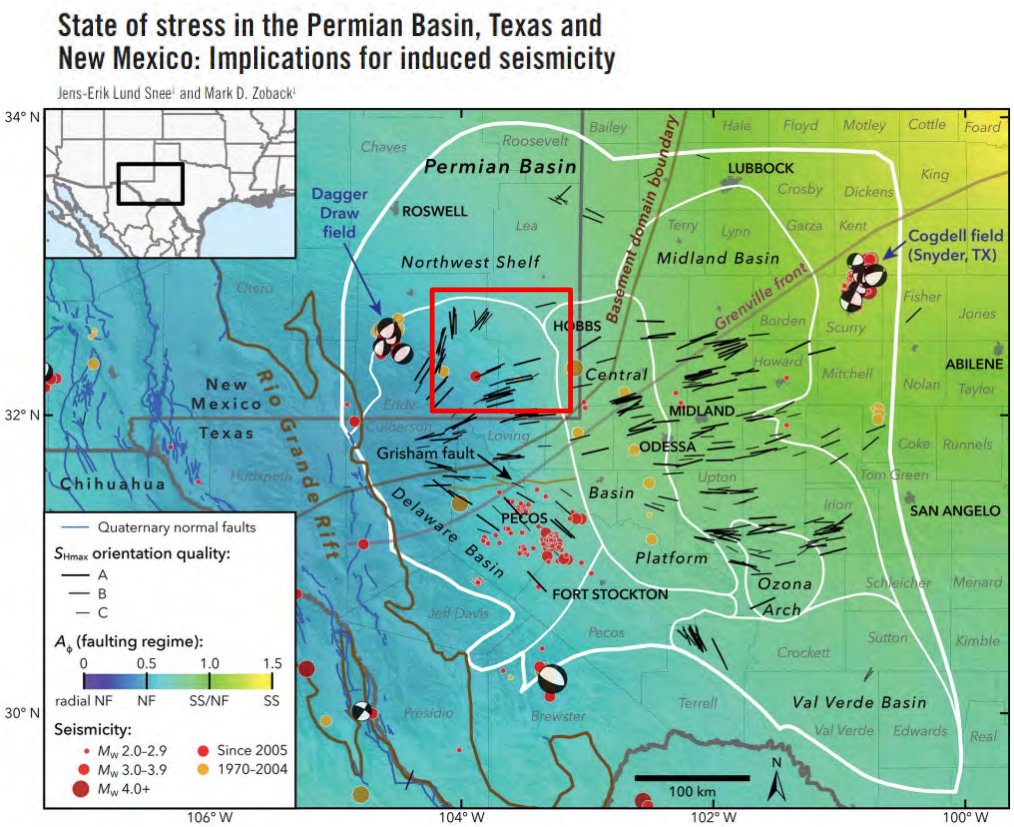
COTERRA

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



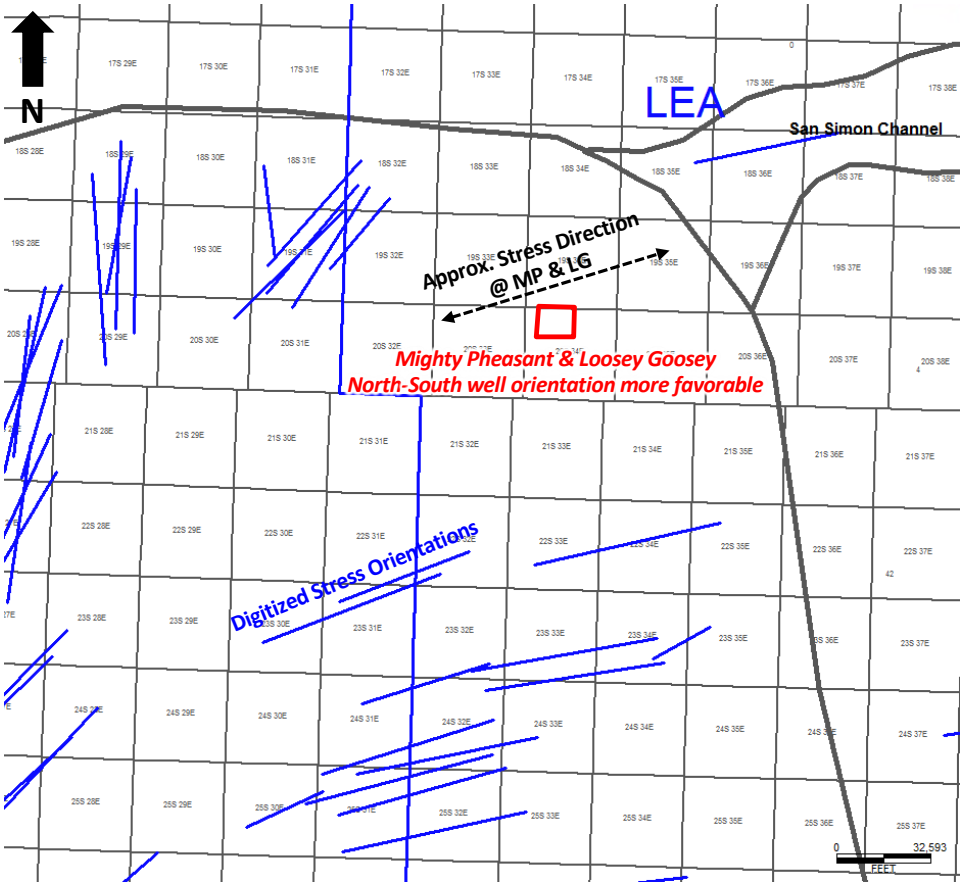


EXHIBIT B-1

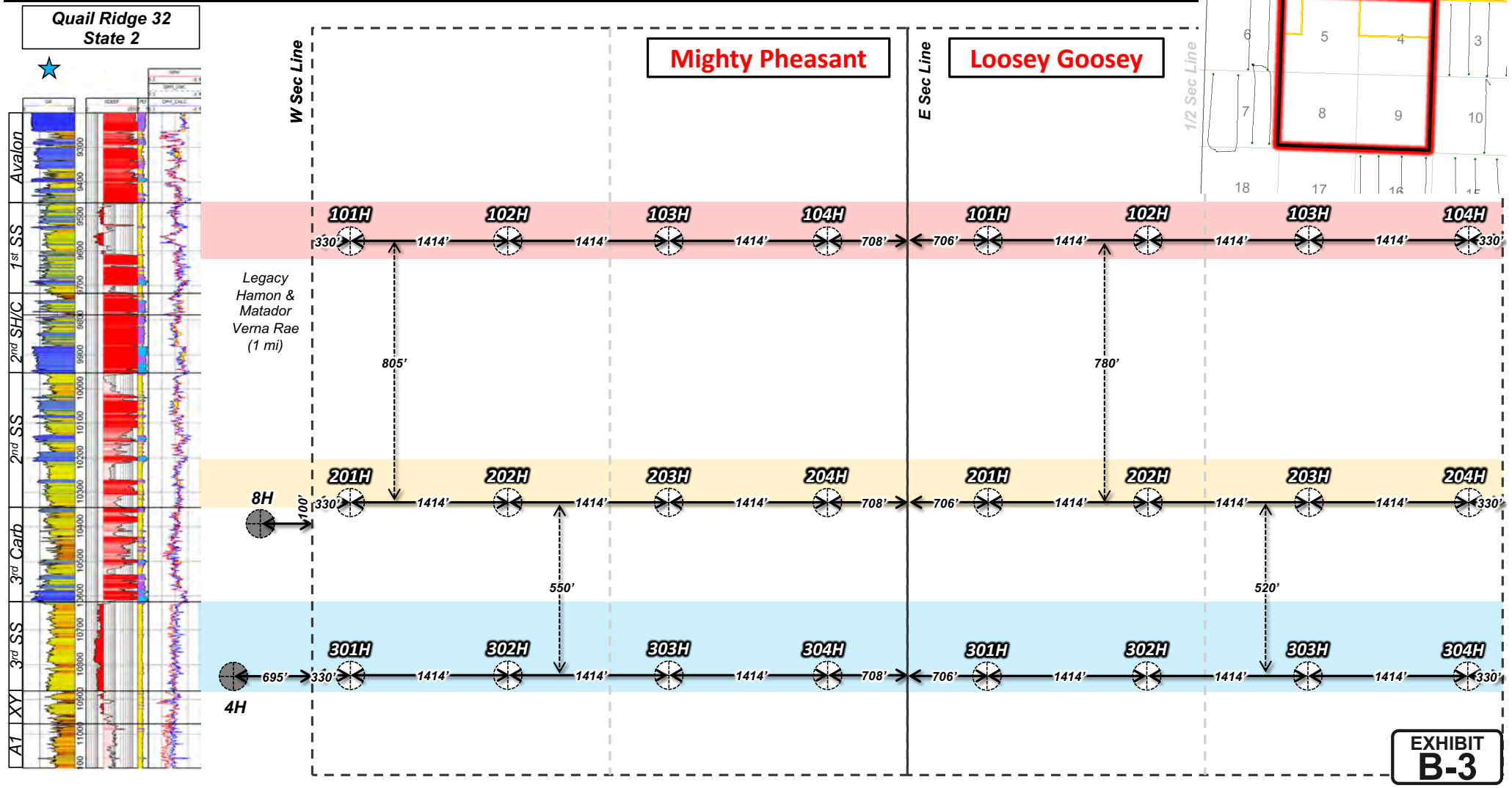
Permit Status

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				
NM	Lea	Loosey Goosey 4-9 Fed Com 102H	To be permitted				
NM	Lea	Loosey Goosey 4-9 Fed Com 103H	To be permitted				
NM	Lea	Loosey Goosey 4-9 Fed Com 104H	To be permitted				
NM	Lea	Loosey Goosey 4-9 Fed Com 201H	To be permitted				
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		
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		
NM	Lea	Loosey Goosey 4-9 Fed Com 304H	AFMSS-Accepted	3/15/2022	3/15/2022		

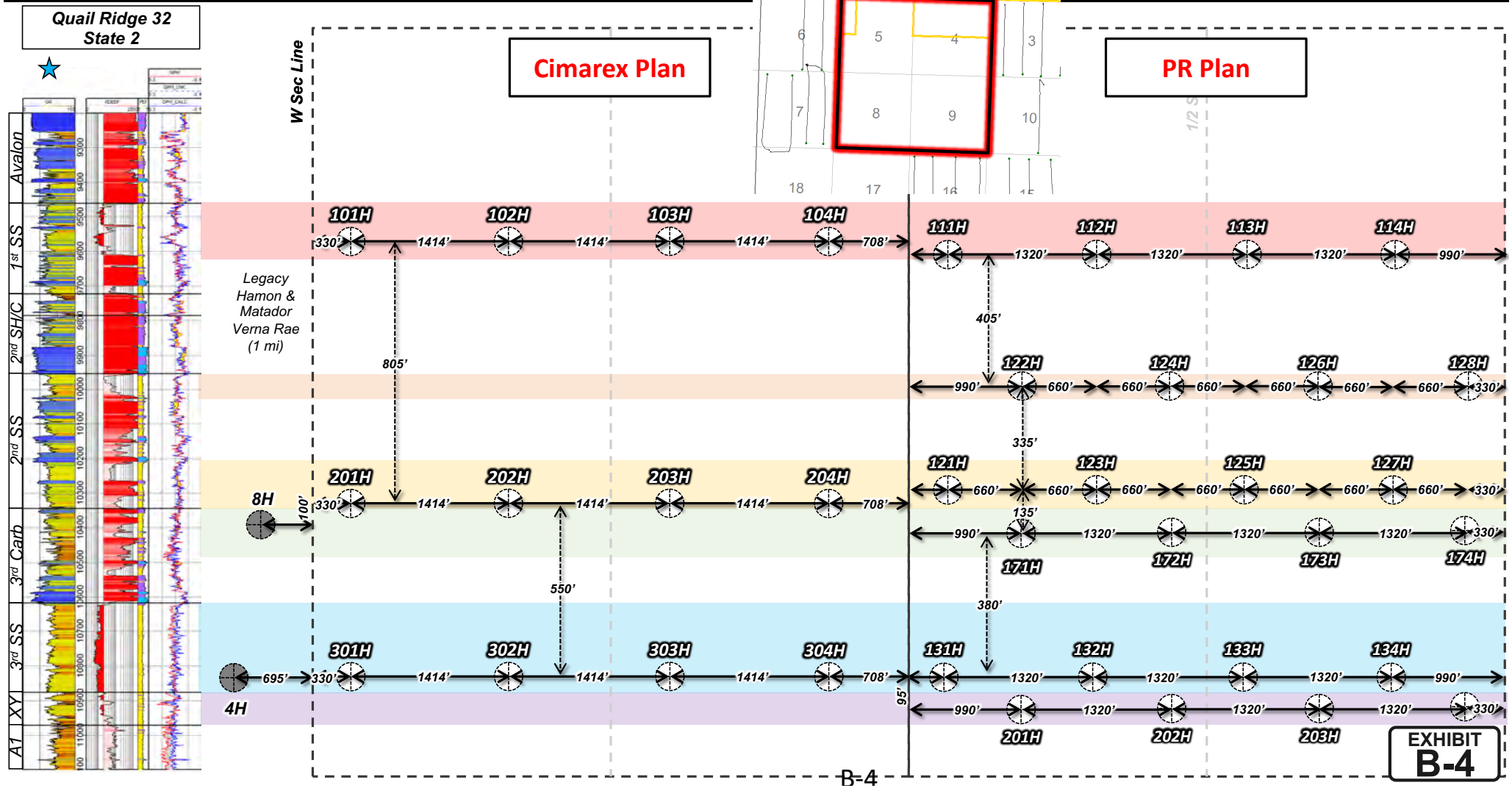
Submitted permits for 3rd Sand development & 1st Sand/2nd Sand test
BLM is currently working on these

EXHIBIT
B-2

Cimarex Development Plan



Development Plan Comparison

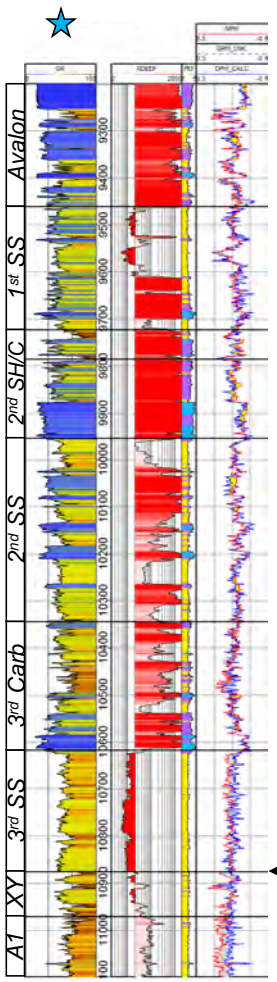


3rd Bone Spring Sand

COTERRA

3rd Bone Spring Sand Structure

Quail Ridge 32
State 2



MAPPED

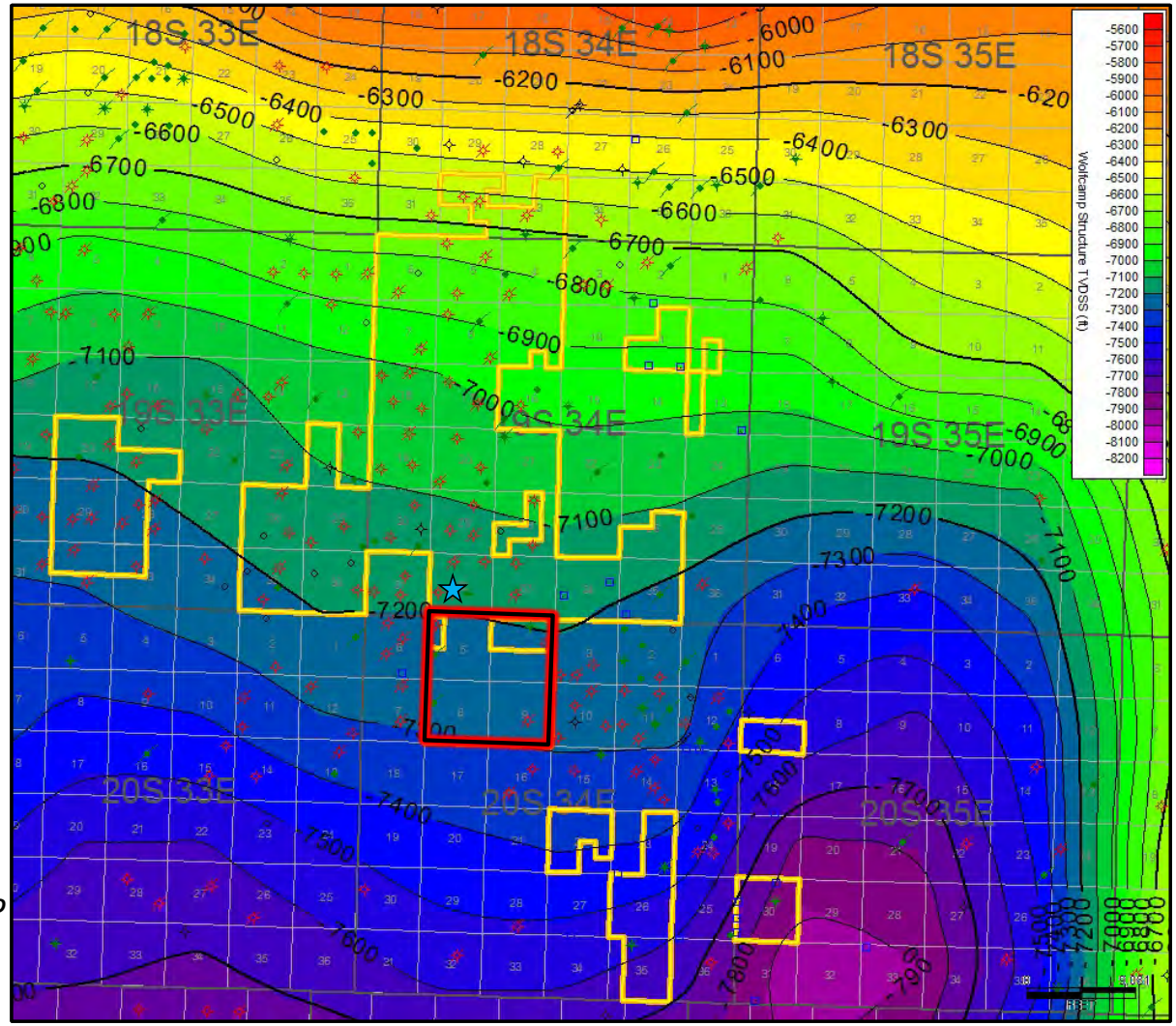
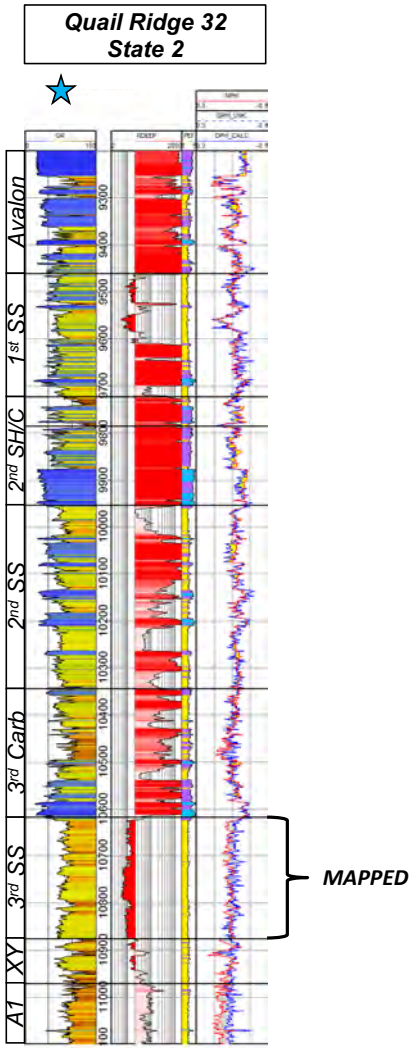


EXHIBIT
B-5

3rd Bone Spring Sand Isopach



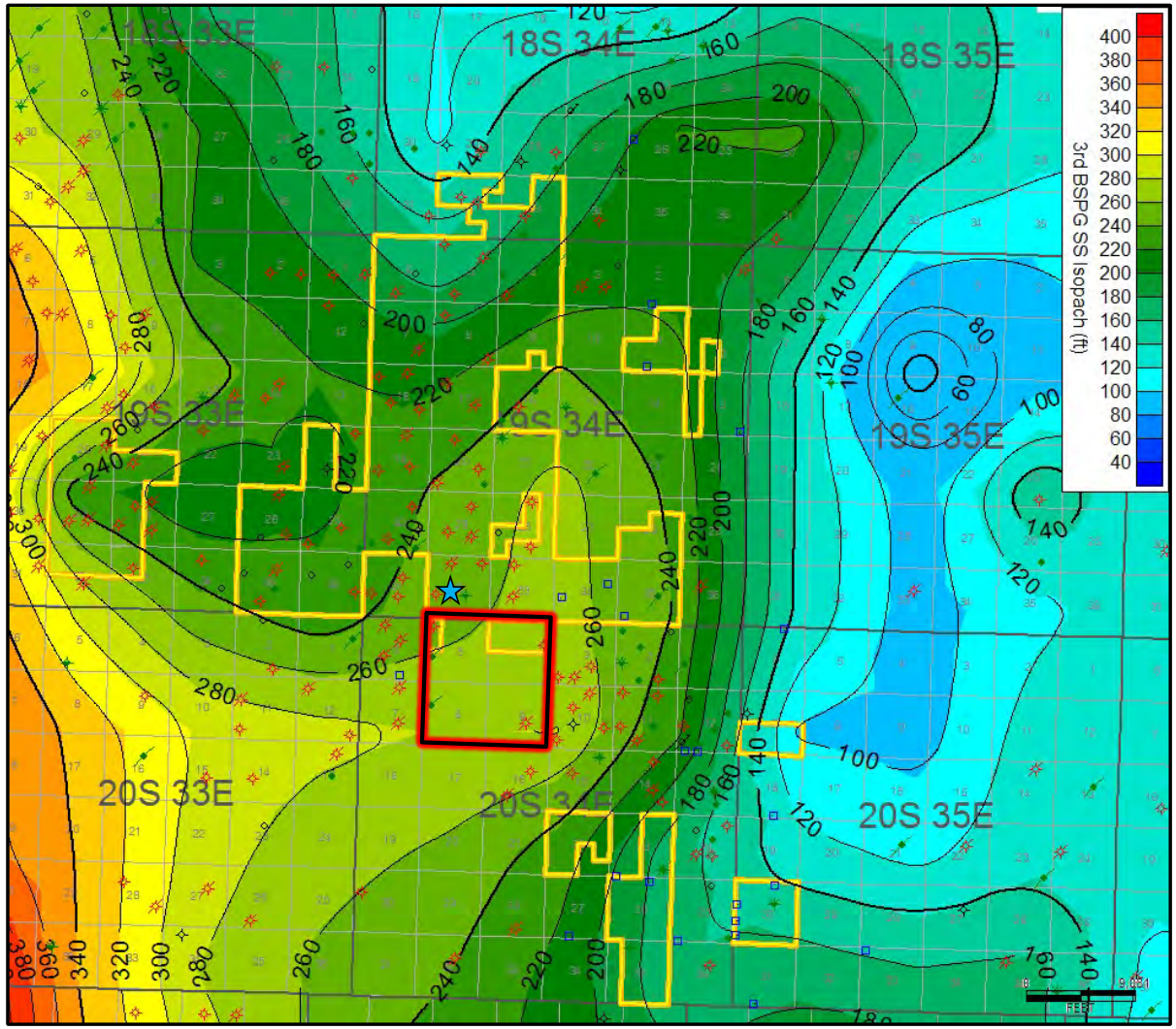
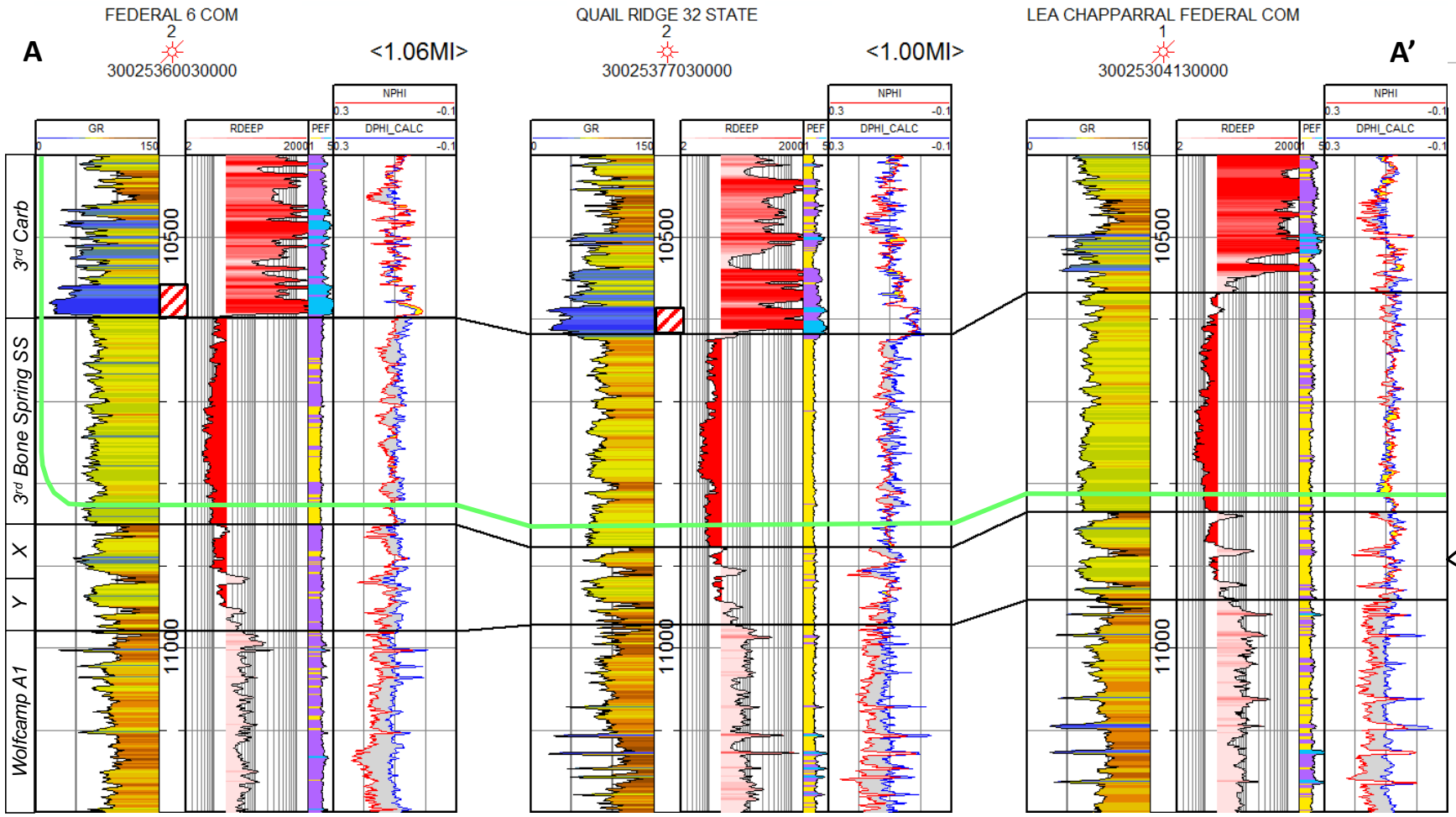
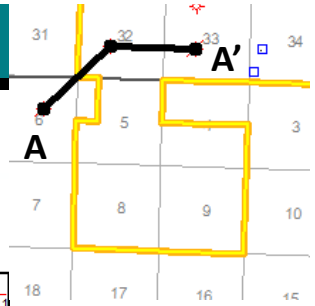


EXHIBIT
B-6

3rd Bone Spring Sand Cross Section



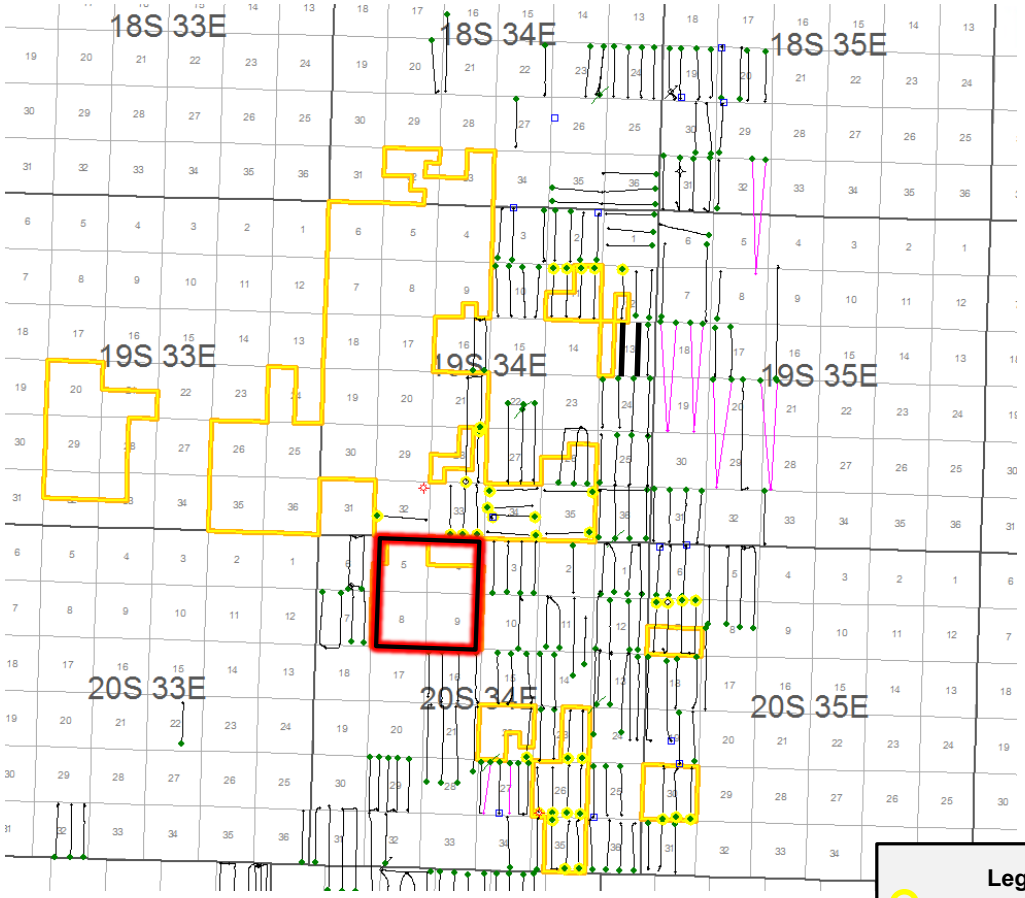


PR's additional Wolfcamp target lies ~95' below the 3rd Sand target. No significant frac baffle separates the two reservoirs.

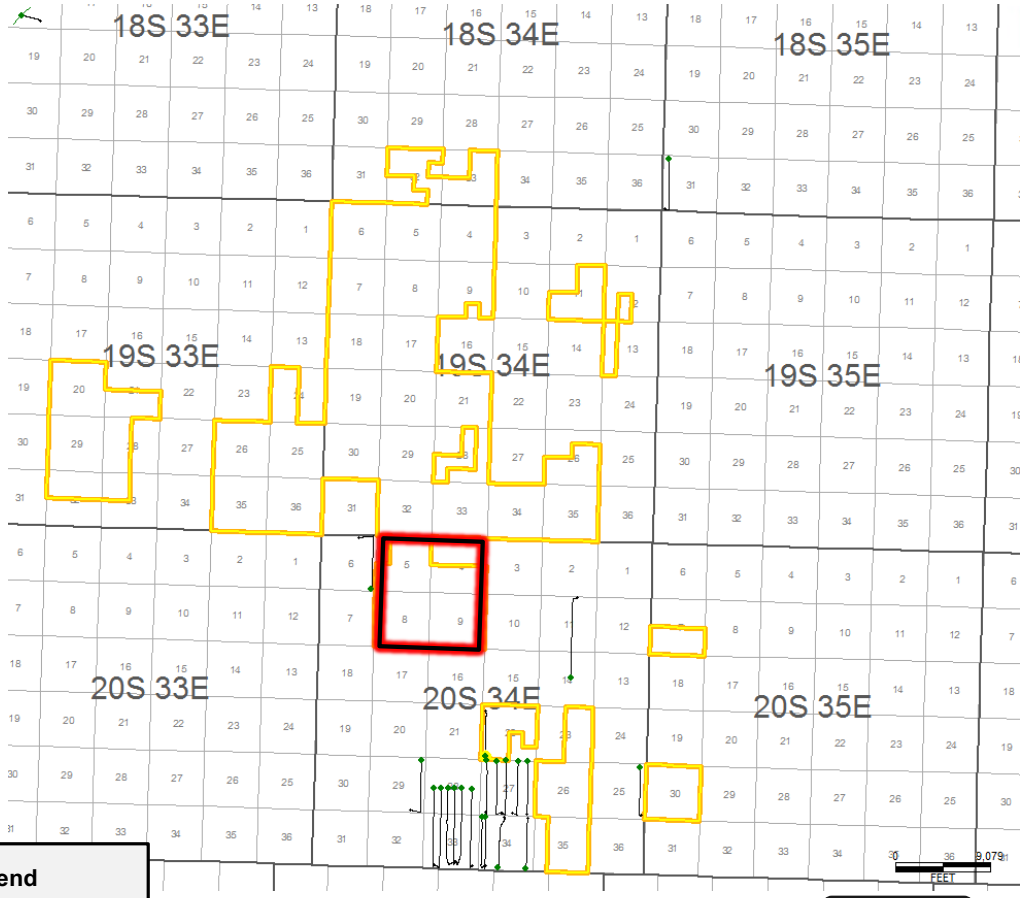
EXHIBIT
B-7

3rd Bone Spring Sand is Established Target

3rd Bone Spring Sand Producers



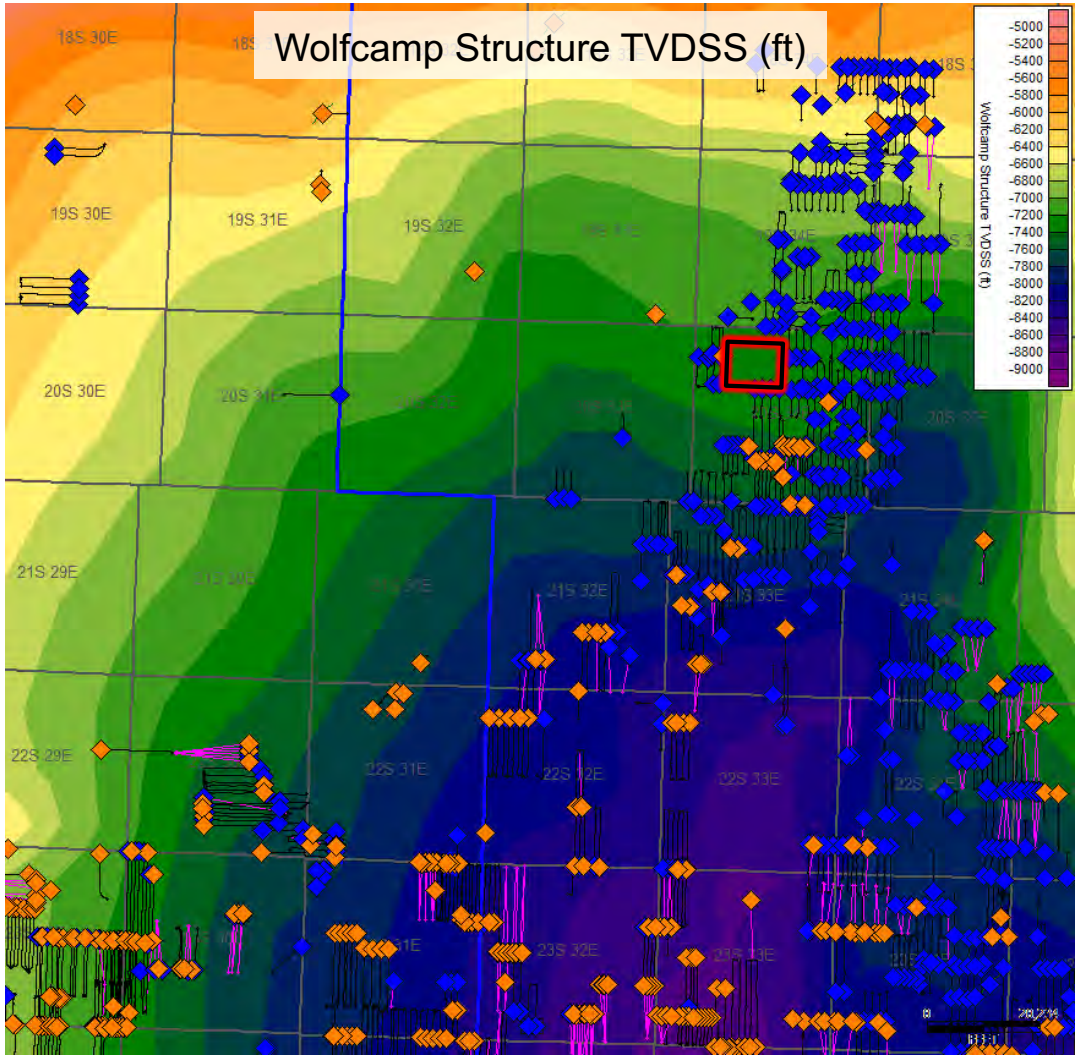
Wolfcamp Producers



Legend
Cimarex Operated Wells

EXHIBIT
B-8

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



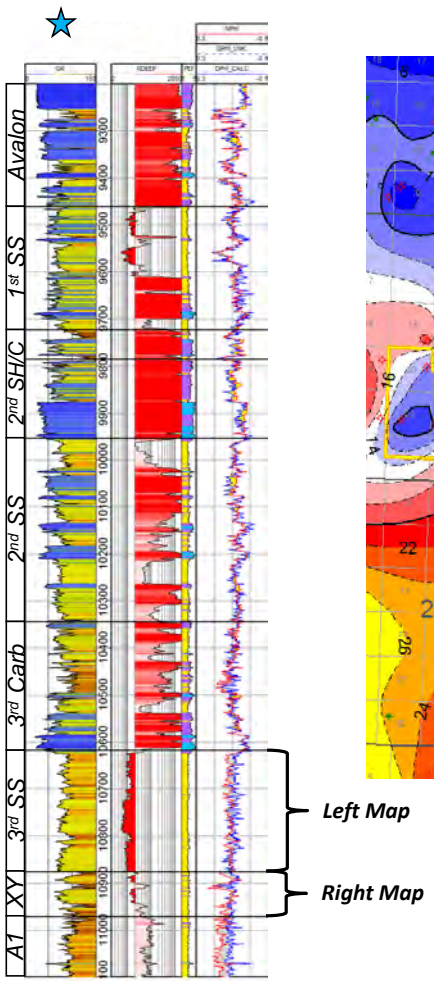
3rd Bone Spring Sand

Wolfcamp Sands

EXHIBIT
B-9

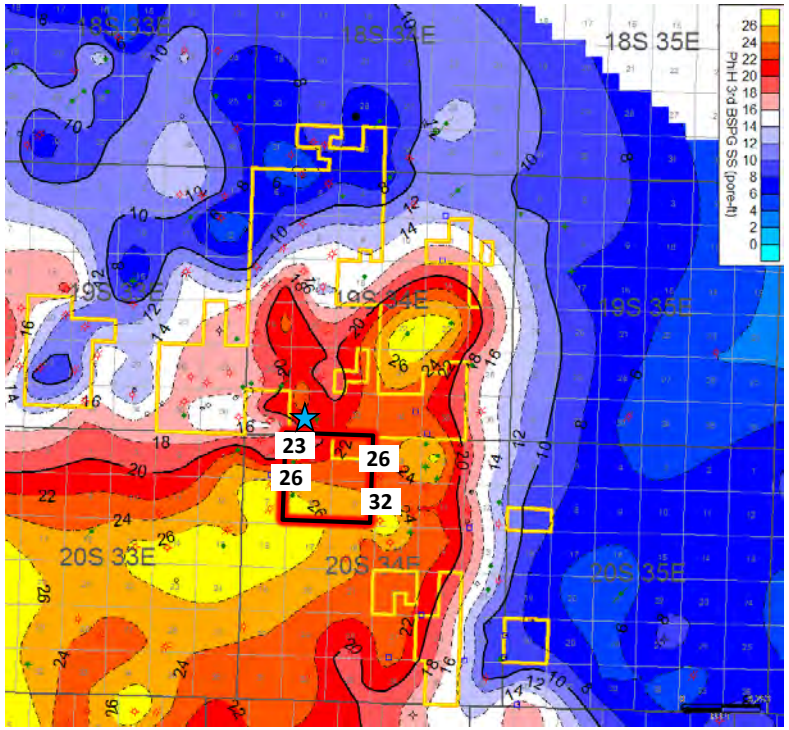
Comparing 3rd Sand to Wolfcamp Reservoir (SoPhiH)

Quail Ridge 32 State 2



PhiH 3rd Bone Spring Sand

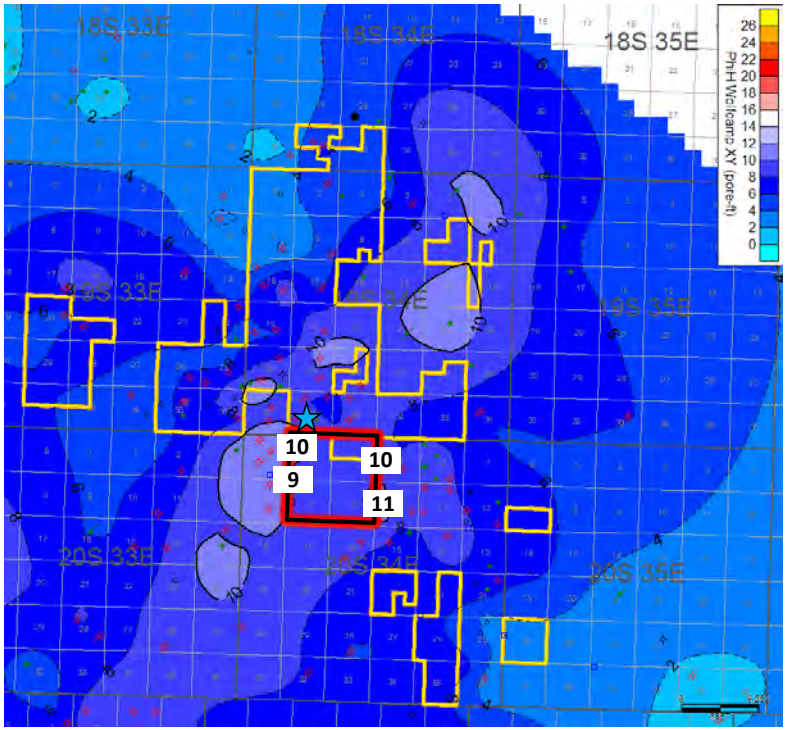
CTRA Target



Avg PhiH in 3rd SS = 26.75
72.8% of total reservoir

PhiH Wolfcamp X & Y Sands

Permian Resources Additional Target



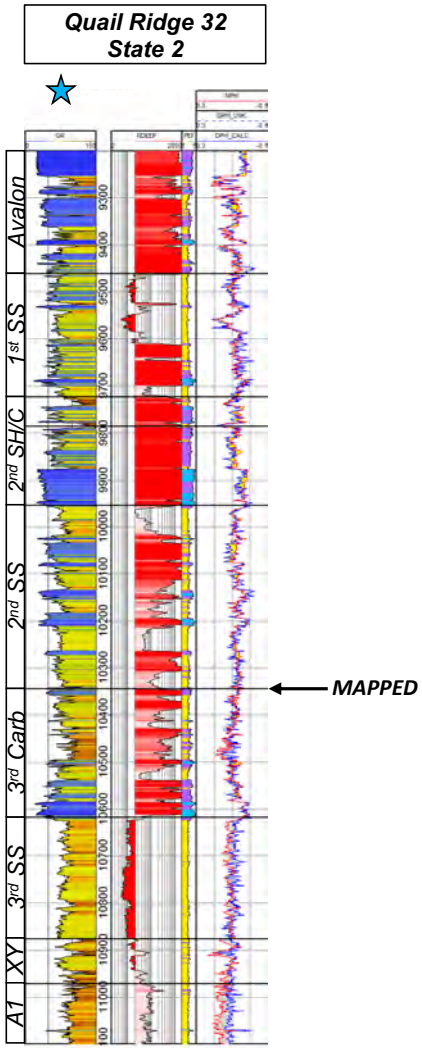
Avg PhiH in WFMP XY = 10
27.2% of total reservoir

EXHIBIT
B-10

2nd Bone Spring Sand

COTERRA

2nd Bone Spring Sand Structure



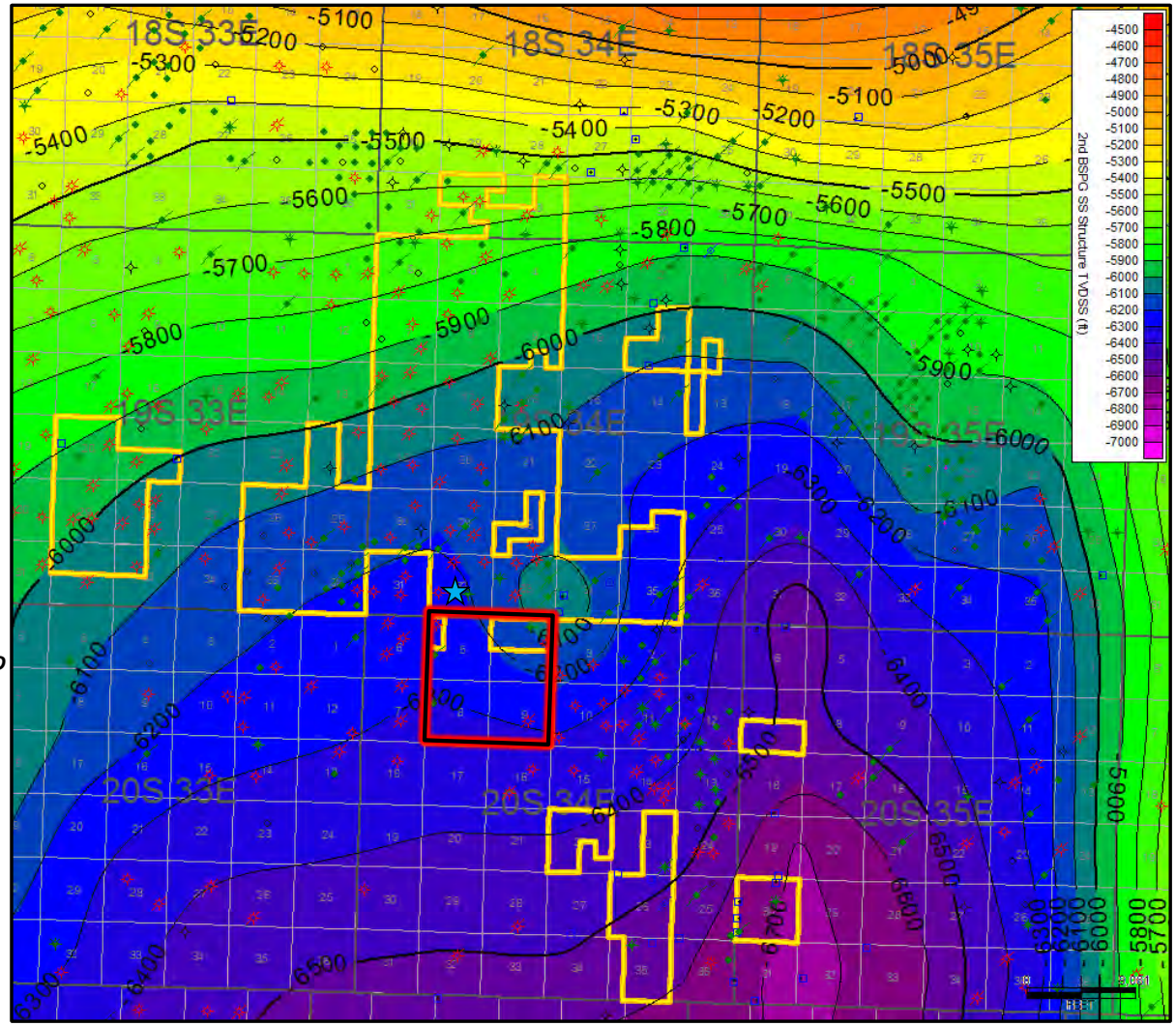
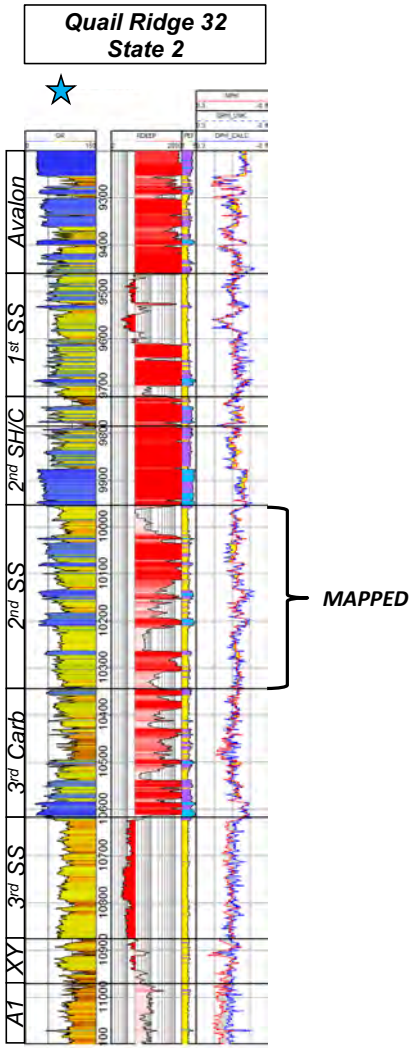


EXHIBIT
B-11

2nd Bone Spring Sand Isopach



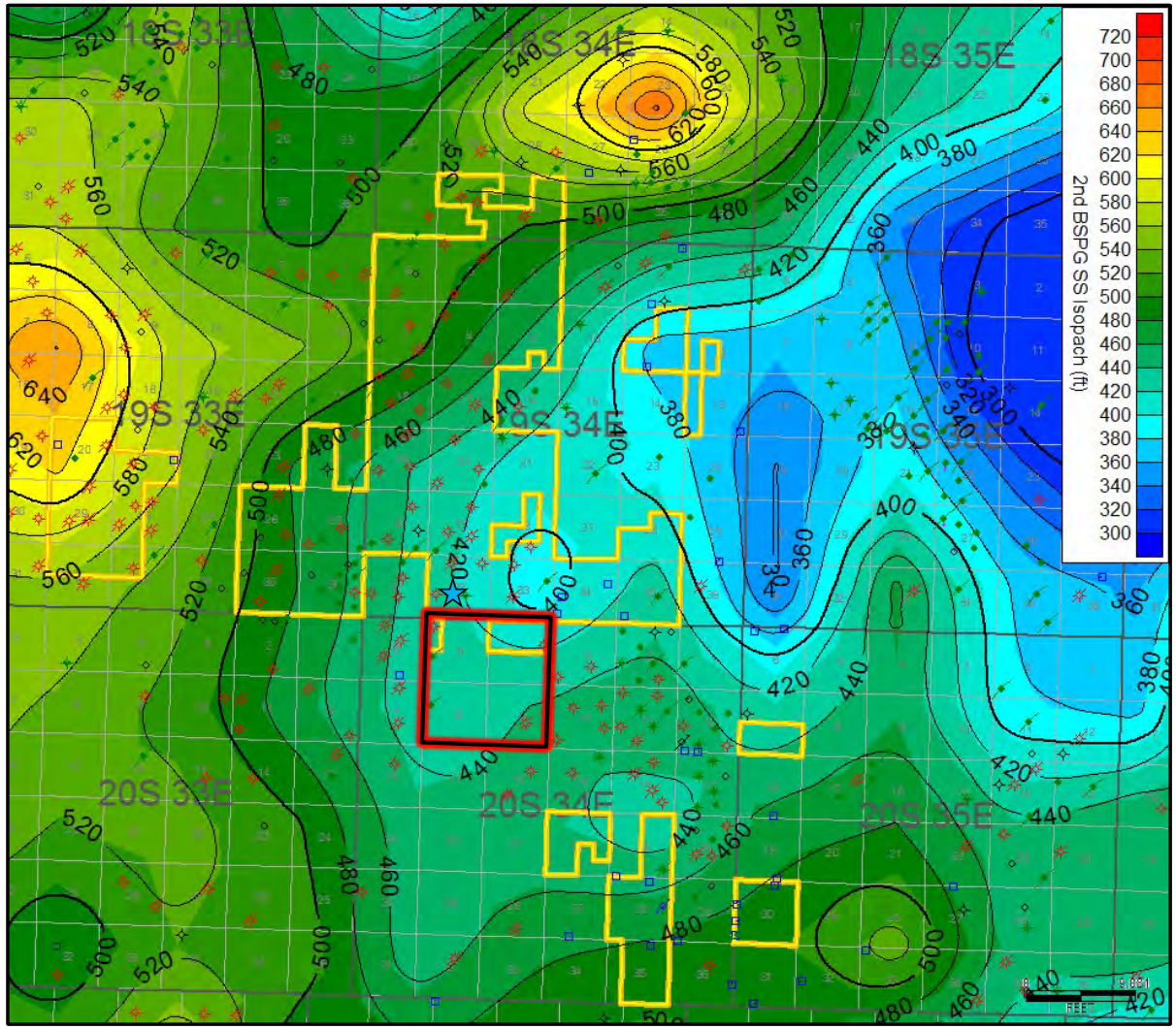
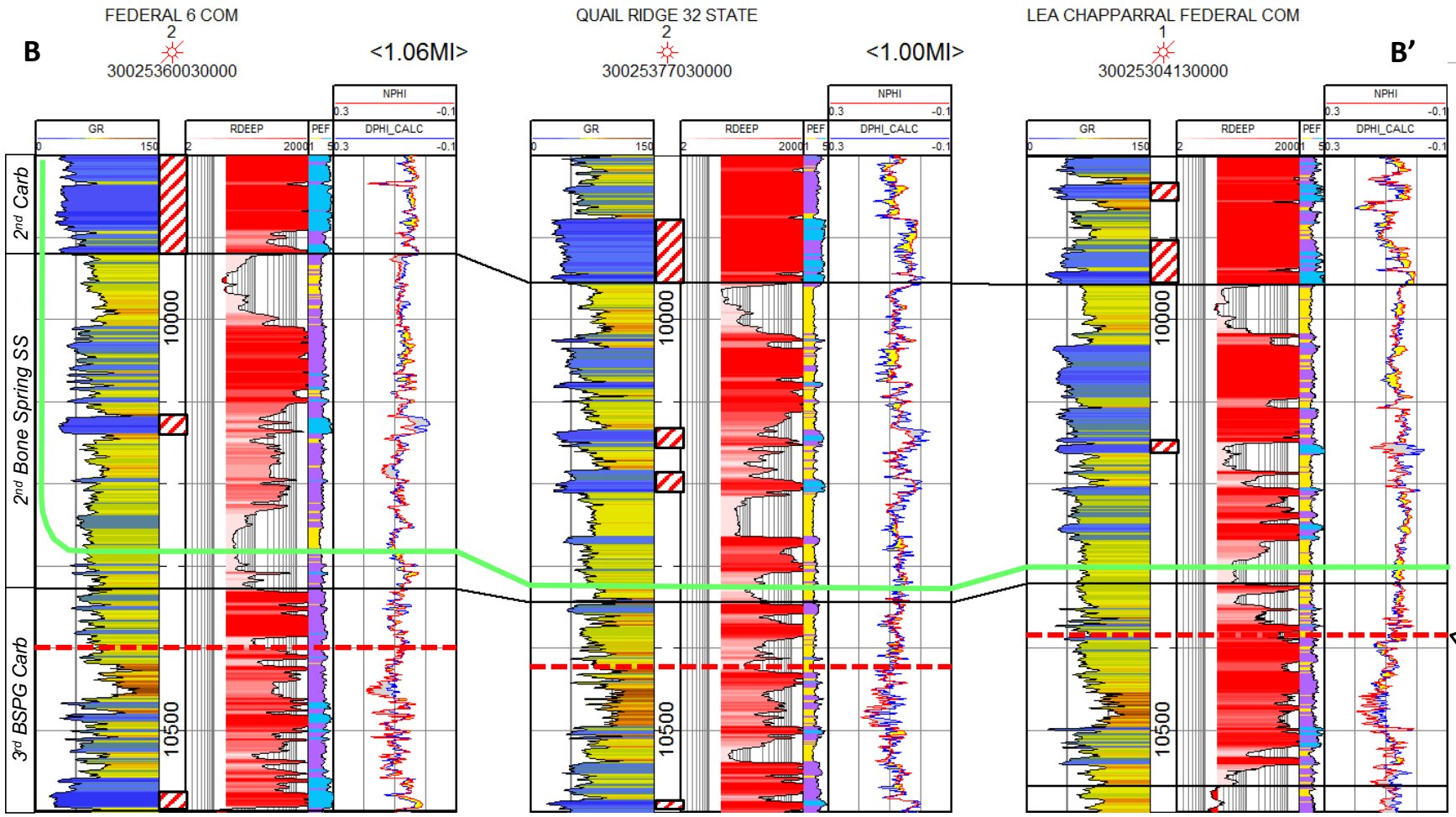
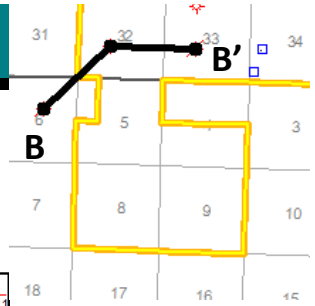


EXHIBIT
B-12

2nd Bone Spring Sand Cross Section





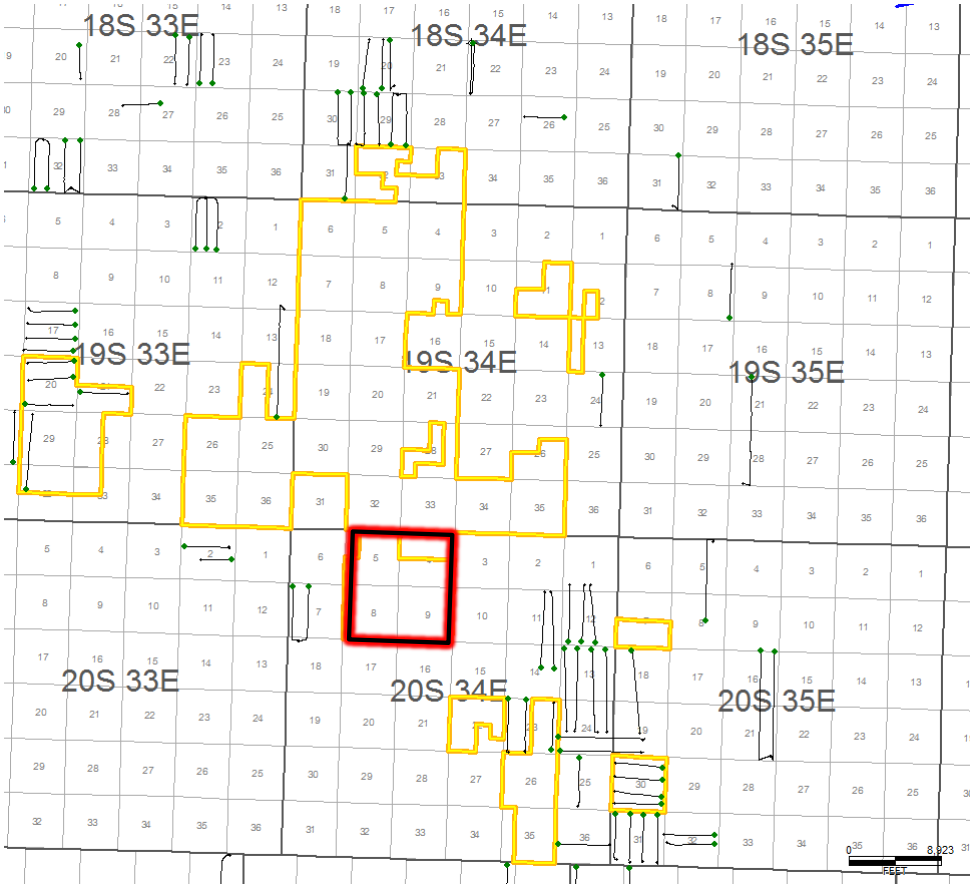
Frac Baffle

PR's additional 3rd Carb target lies ~135' below L. 2nd Sand target. No significant frac baffle separates the two reservoirs.

EXHIBIT
B-13

2nd Bone Spring Sand is Established Target

Lower 2nd Bone Spring Sand Producers



3rd Bone Spring Carb Producers

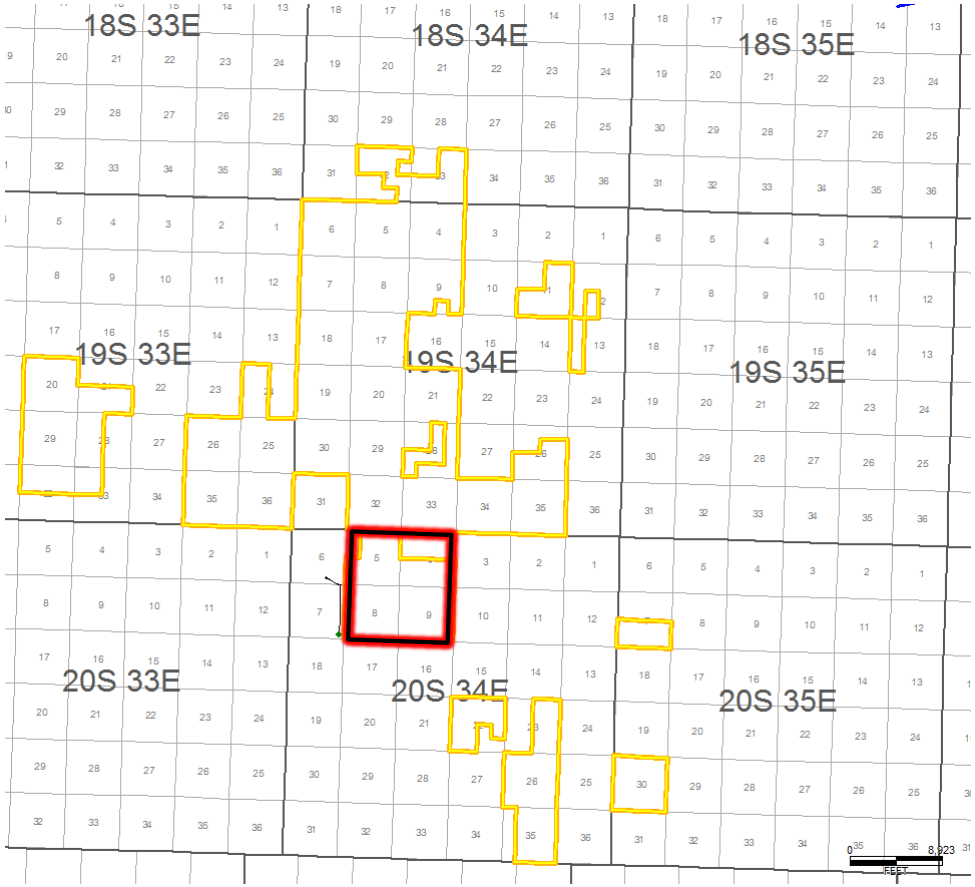
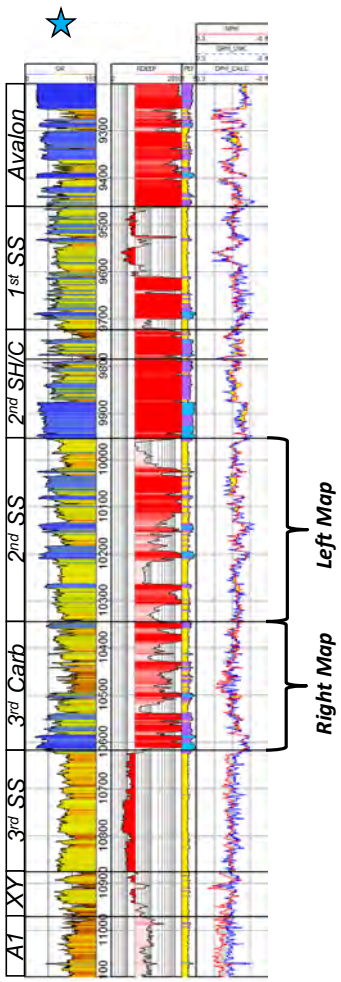


EXHIBIT
B-14

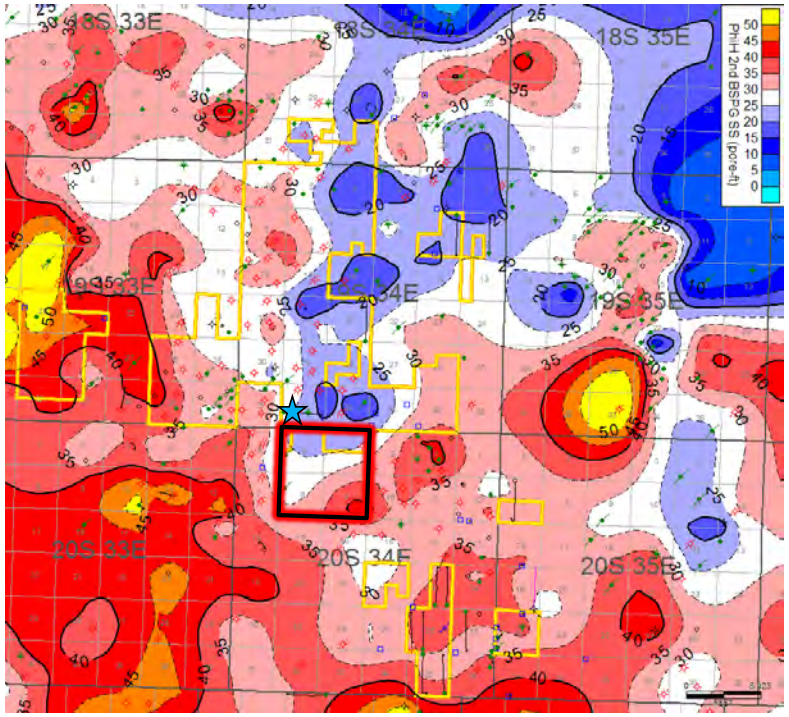
PhiH L 2nd Sand vs. 3rd Carb

Quail Ridge 32
State 2



PhiH 2nd Bone Spring Sand

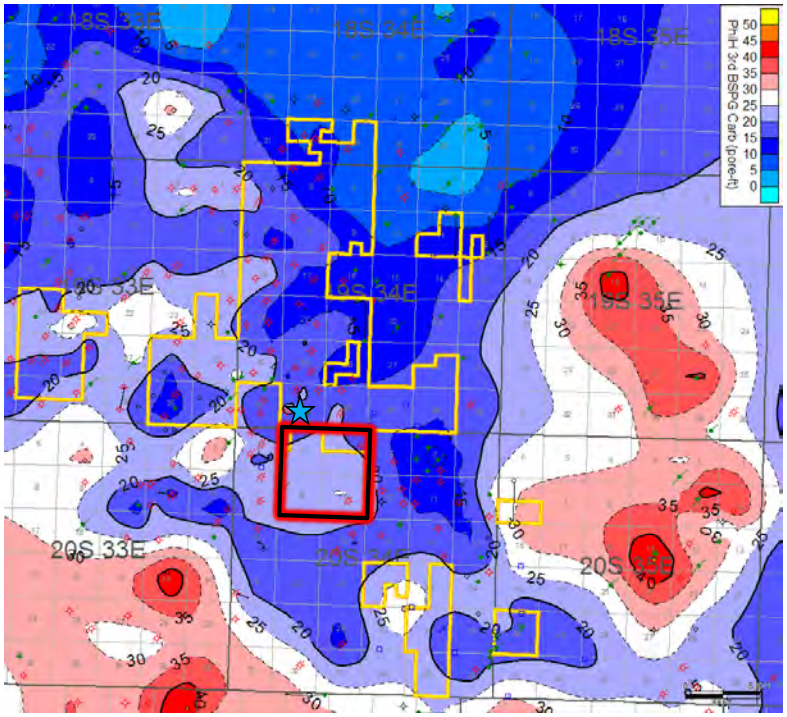
CTRA Target



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

PhiH 3rd Bone Spring Carb

Permian Resources Additional Target



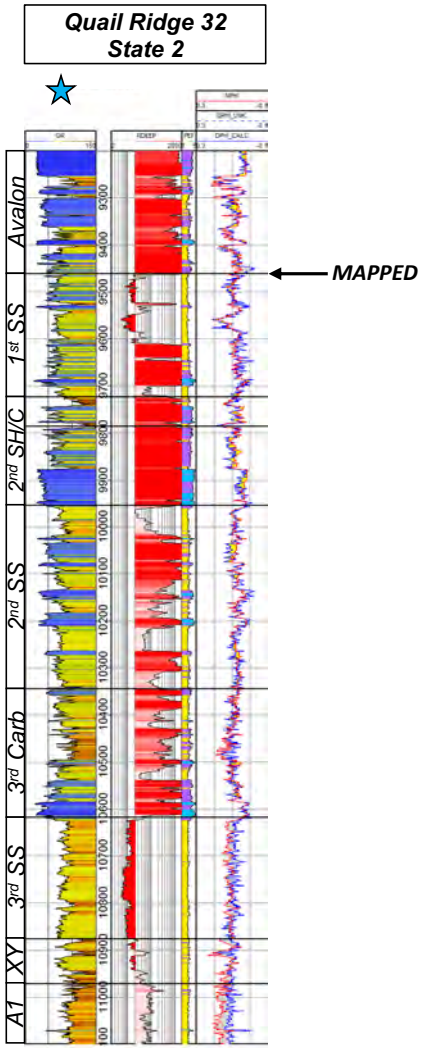
Avg PhiH in WFMP XY = 20
40% of total reservoir

EXHIBIT
B-15

1st Bone Spring Sand

COTERRA

1st Bone Spring Sand Structure



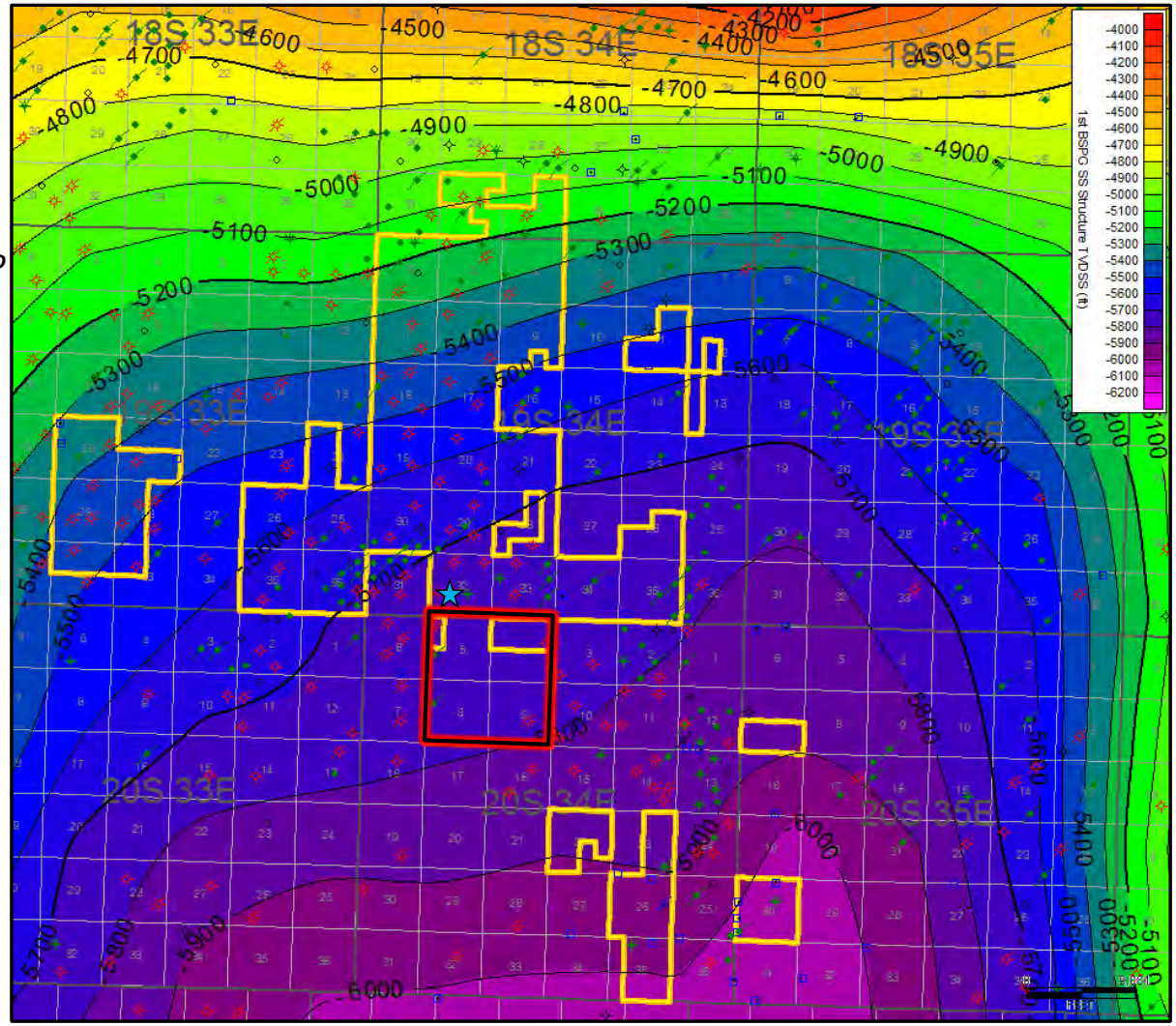
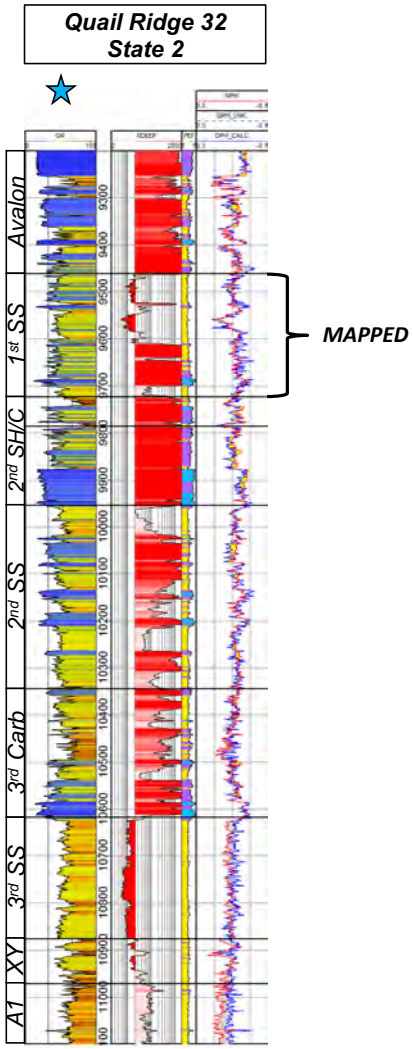


EXHIBIT
B-16

1st Bone Spring Sand Isopach



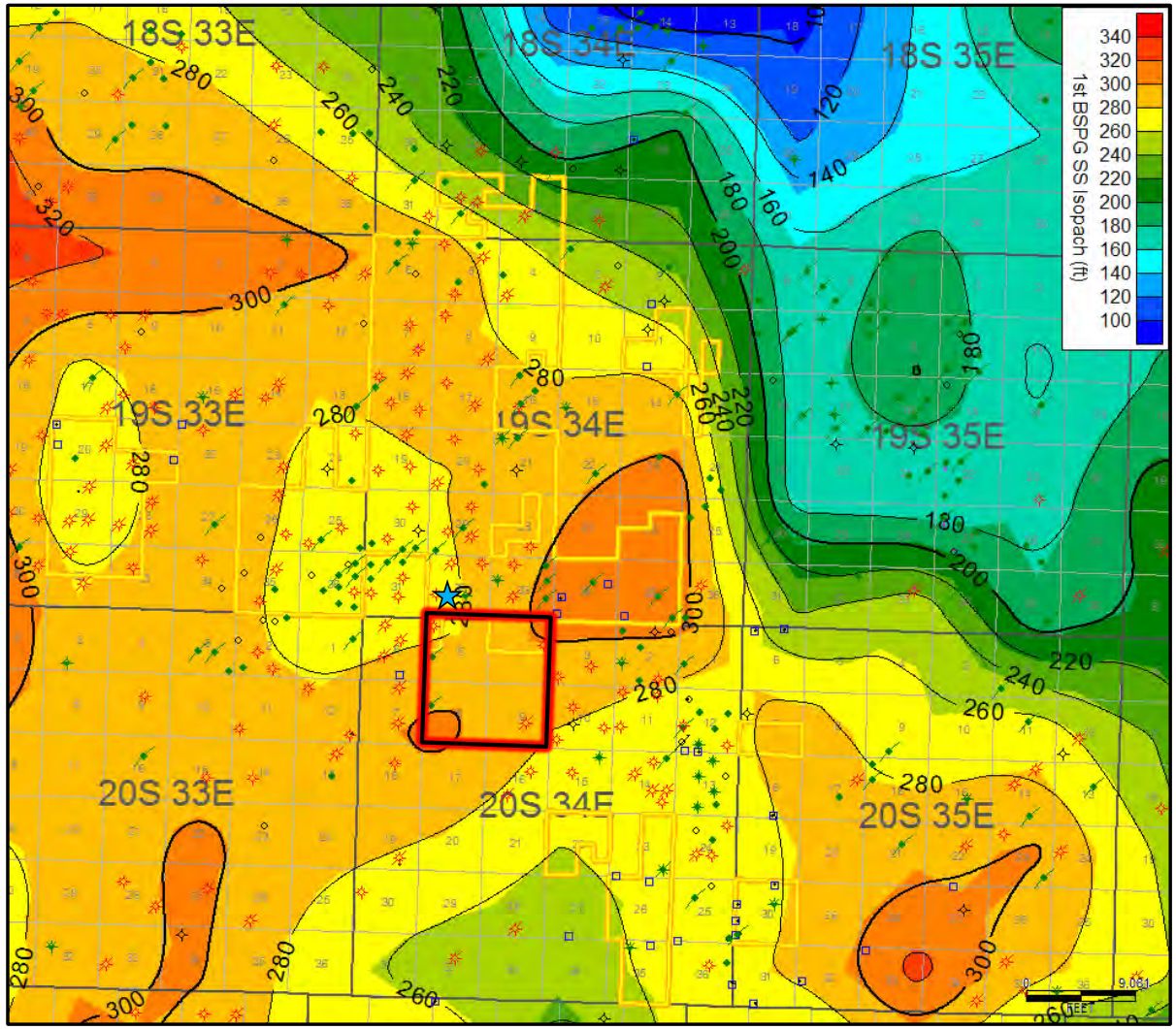
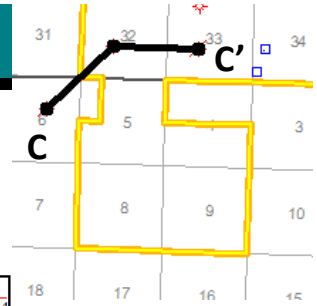


EXHIBIT
B-17

1st Bone Spring Sand Cross Section



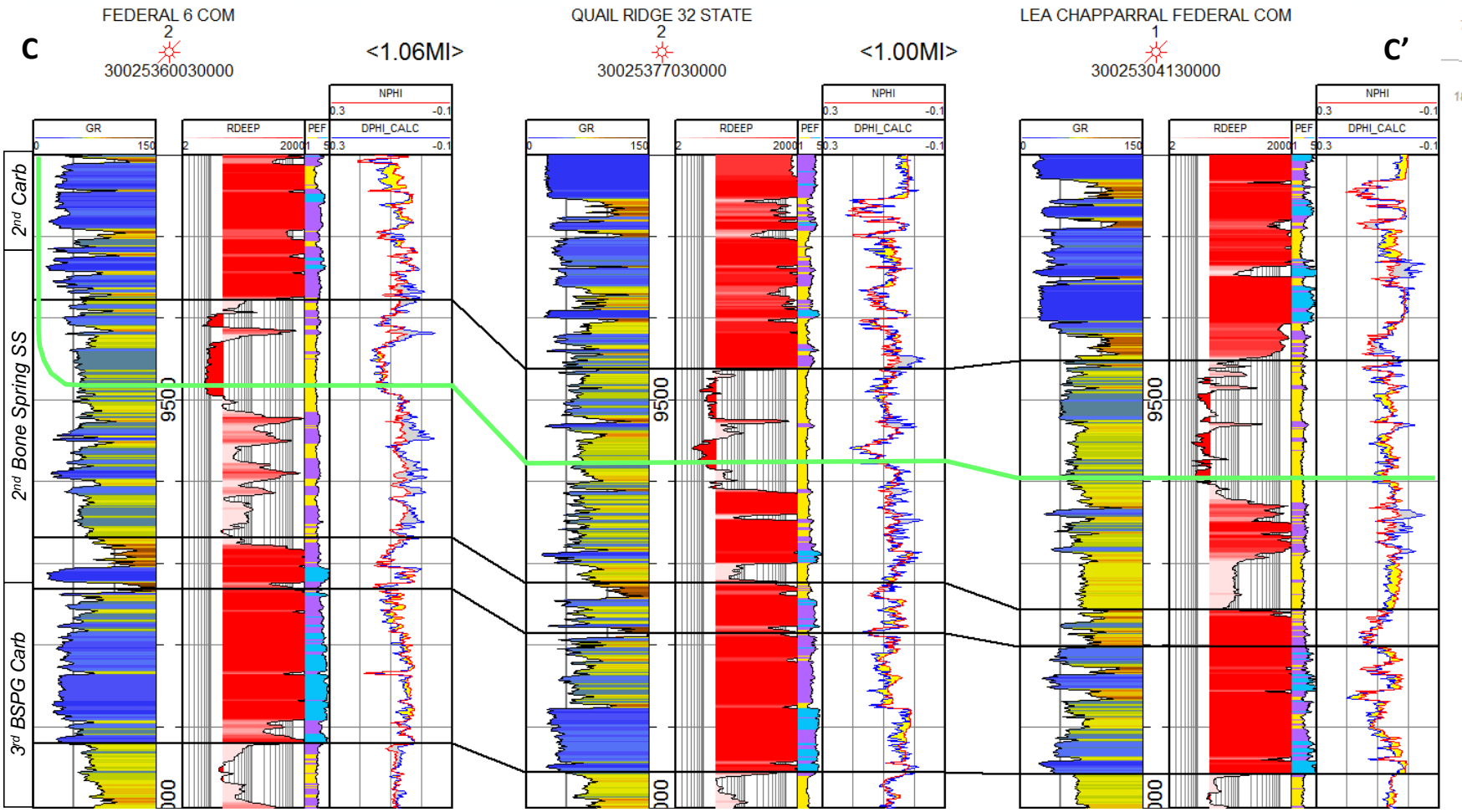
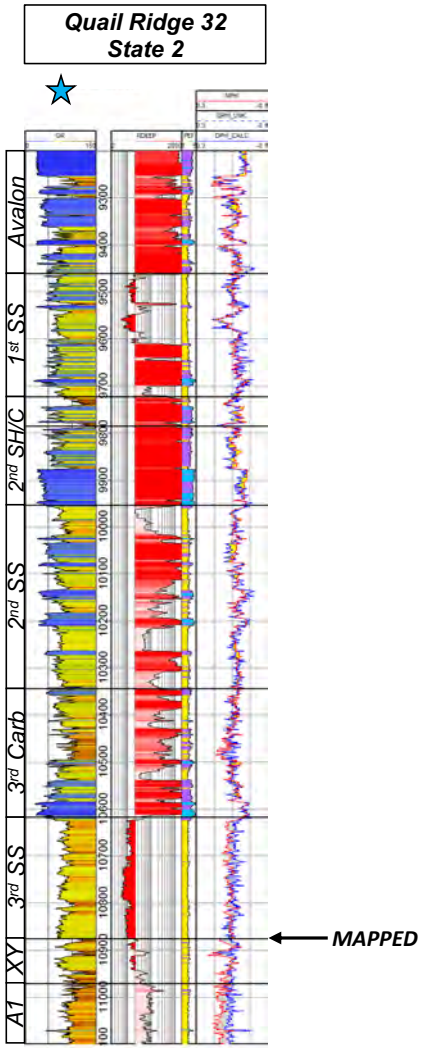


EXHIBIT
B-18

Wolfcamp XY

COTERRA

Wolfcamp XY Structure



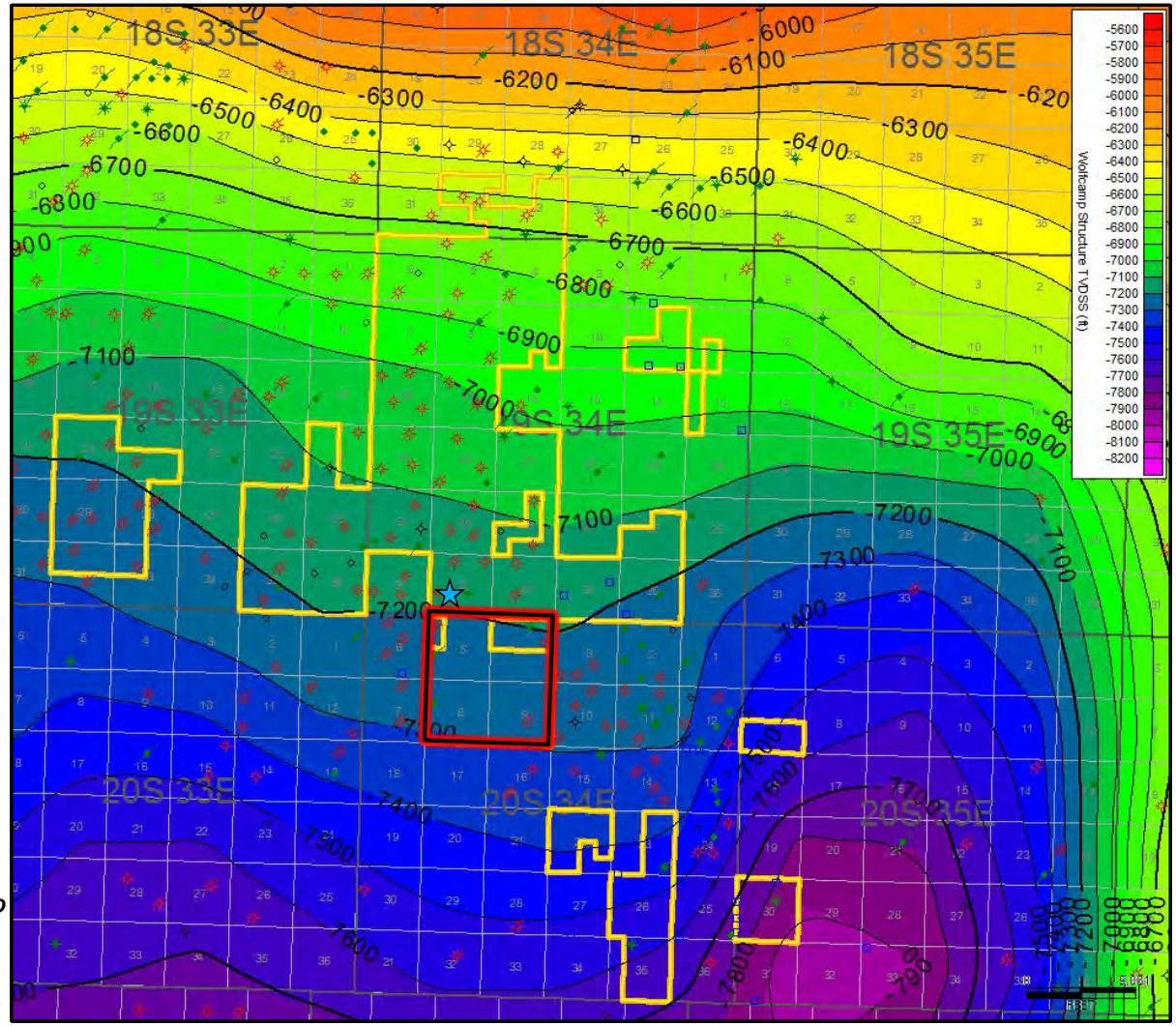
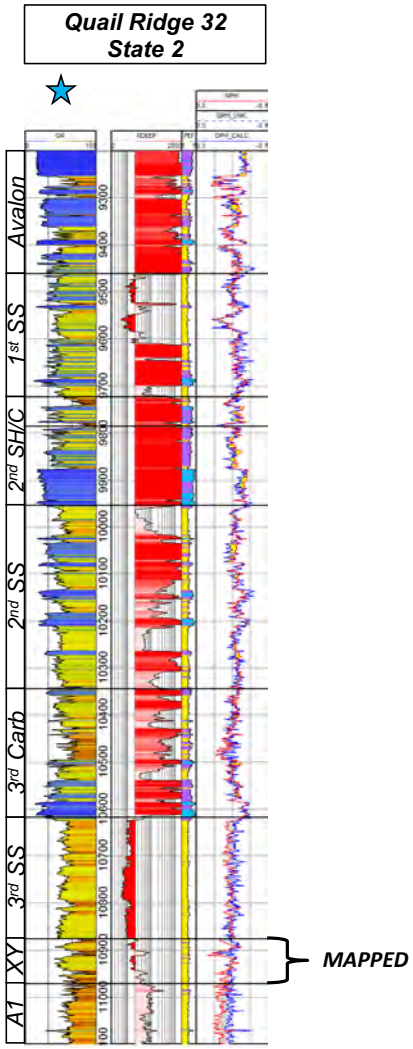


EXHIBIT
B-19

Wolfcamp XY Isopach



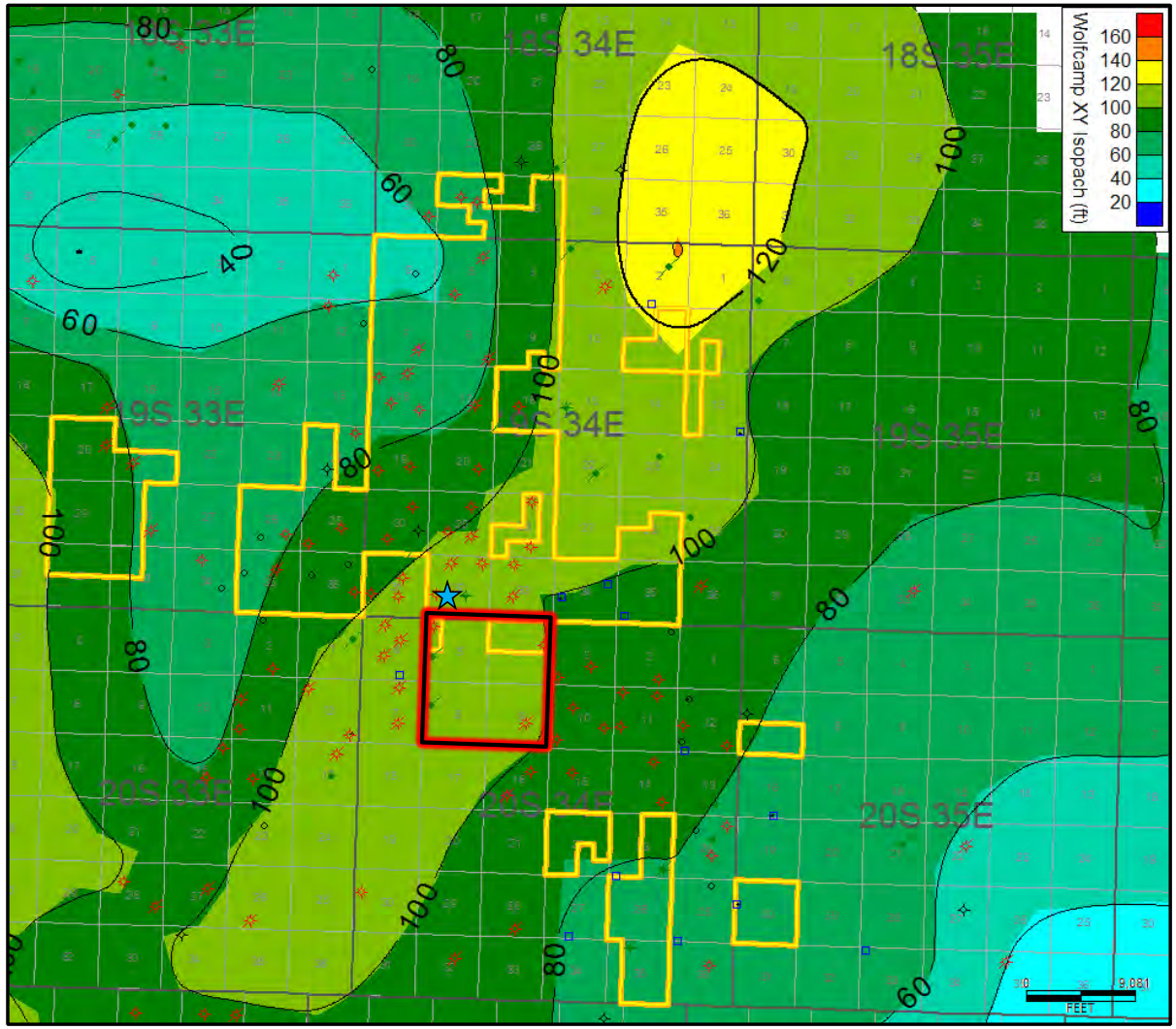
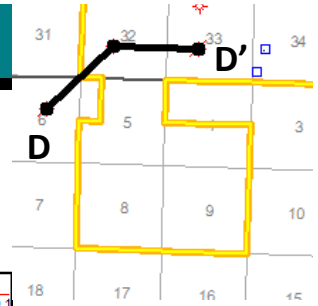
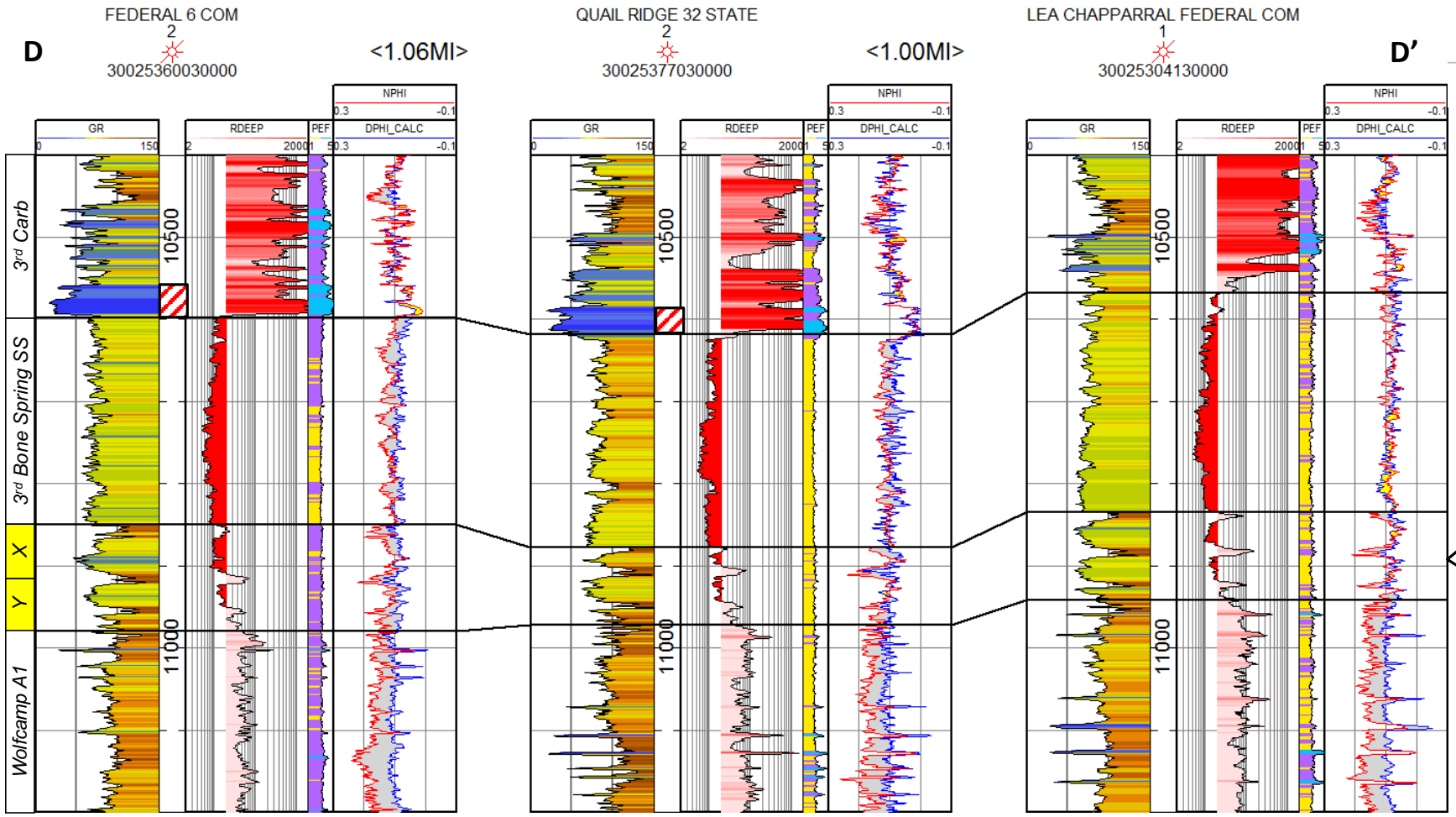


EXHIBIT
B-20

Wolfcamp XY Cross Section





Frac Baffle

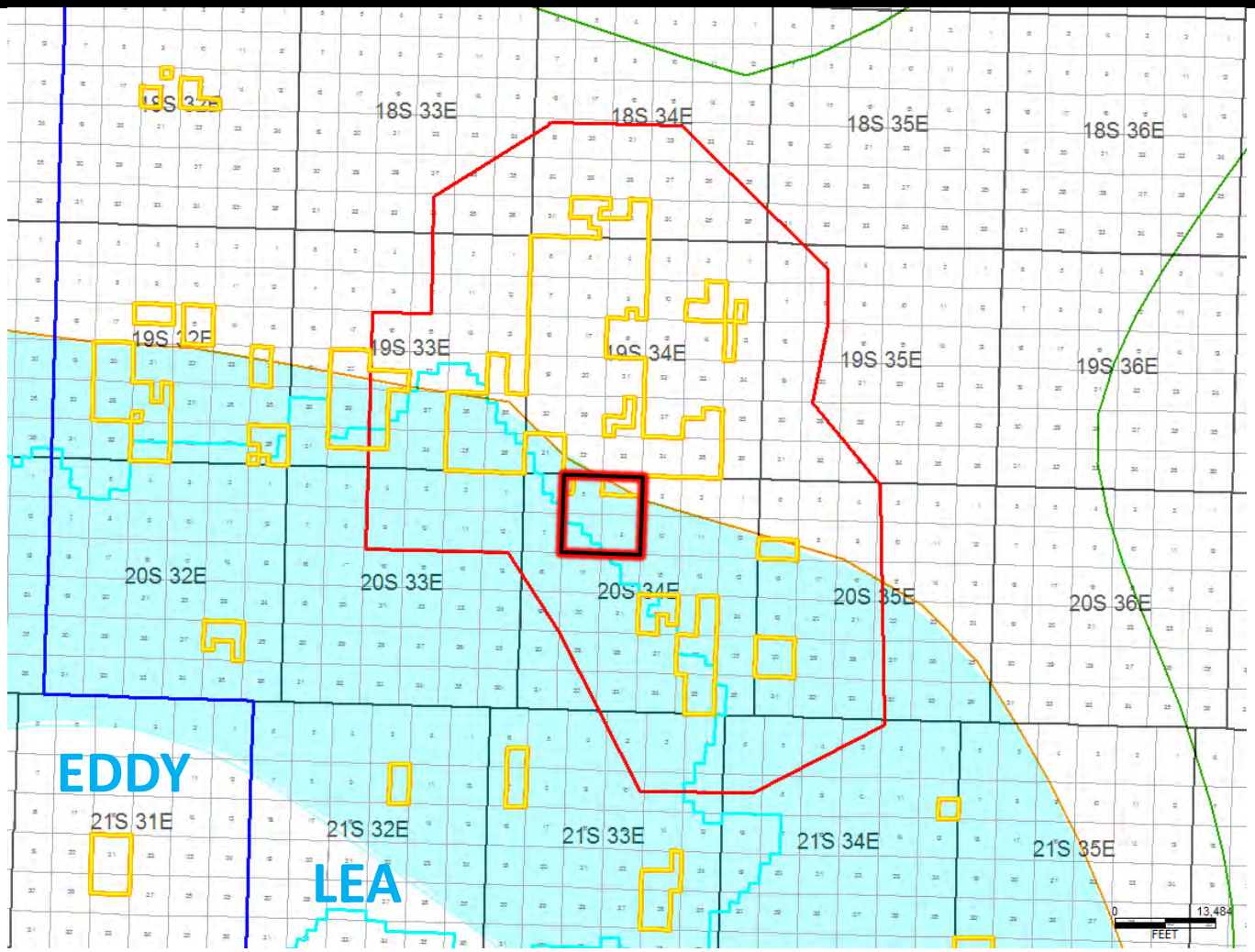
PR's additional Wolfcamp target lies ~95' below the 3rd Sand target. No significant frac baffle separates the two reservoirs.

EXHIBIT
B-21

No Frac Baffle Between Wolfcamp and 3rd Sand

COTERRA

3D Seismic Outline



Capitan Reef

Cimarex 3D Seismic

Potash Outline

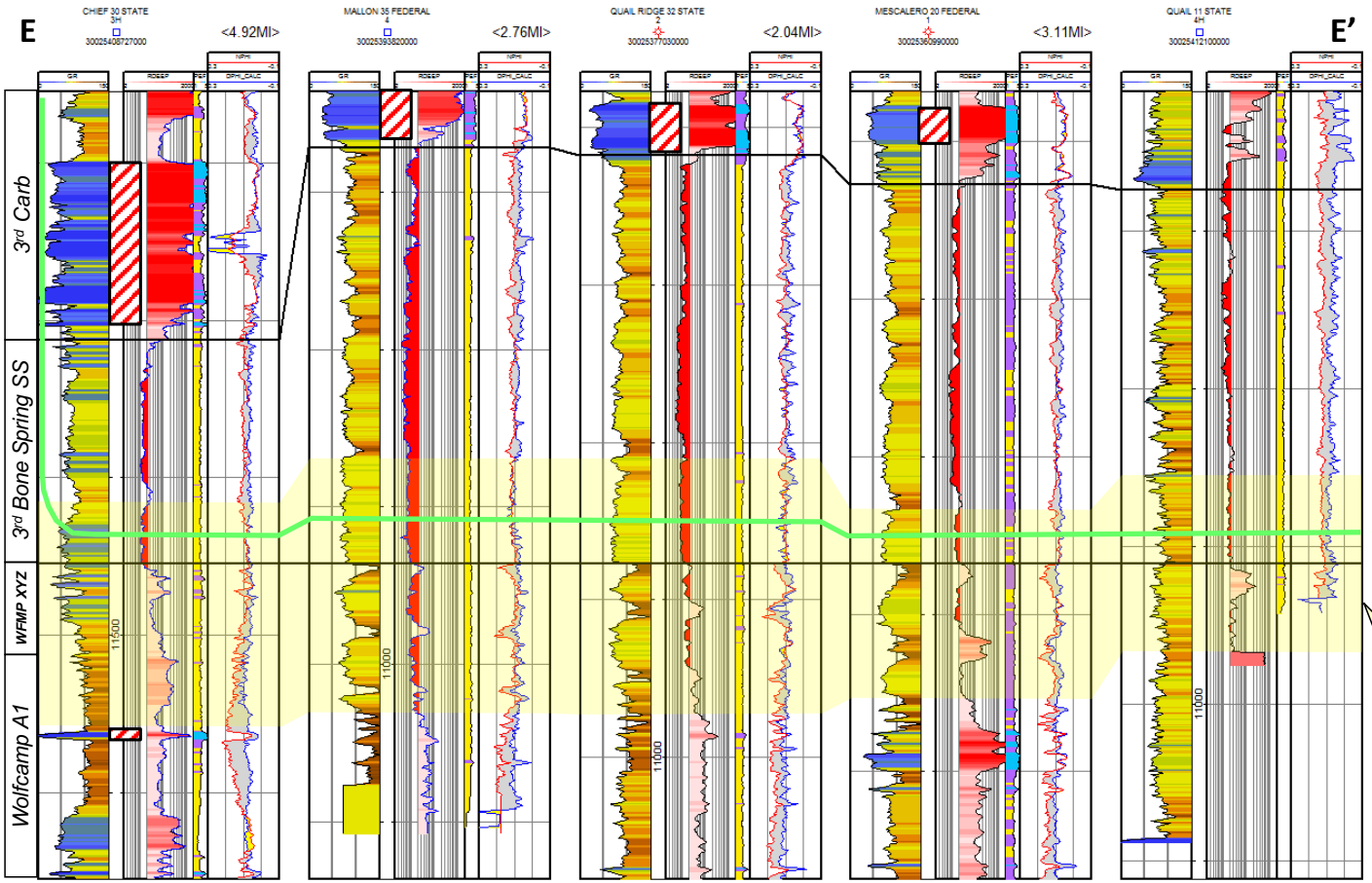
Cimarex Acreage

Mighty Pheasant & Loosey Goosey

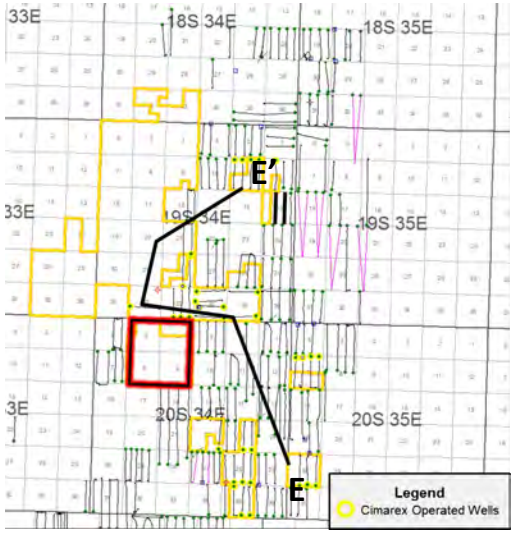
EXHIBIT
B-22

3D seismic survey processed in 2022

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



3rd Bone Spring Sand Producers

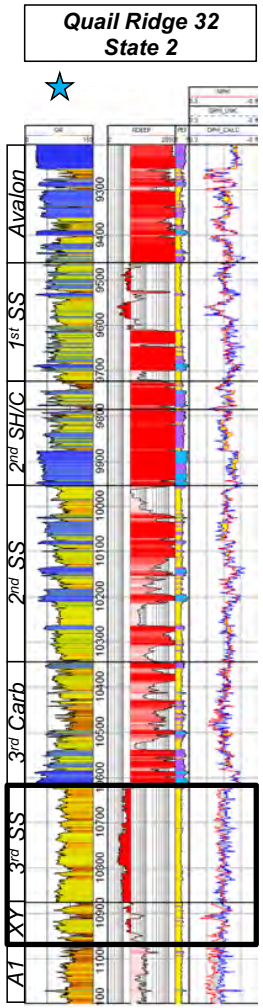


Basal 3rd Sand is primary target across the area (green line). Frac baffles are not located between the 3rd Sand target and Upper Wolfcamp across these developments. Example of a frac baffle that would most likely prevent communication between formations is within the 3rd Carbonate in the Chief 30 State 3H log.

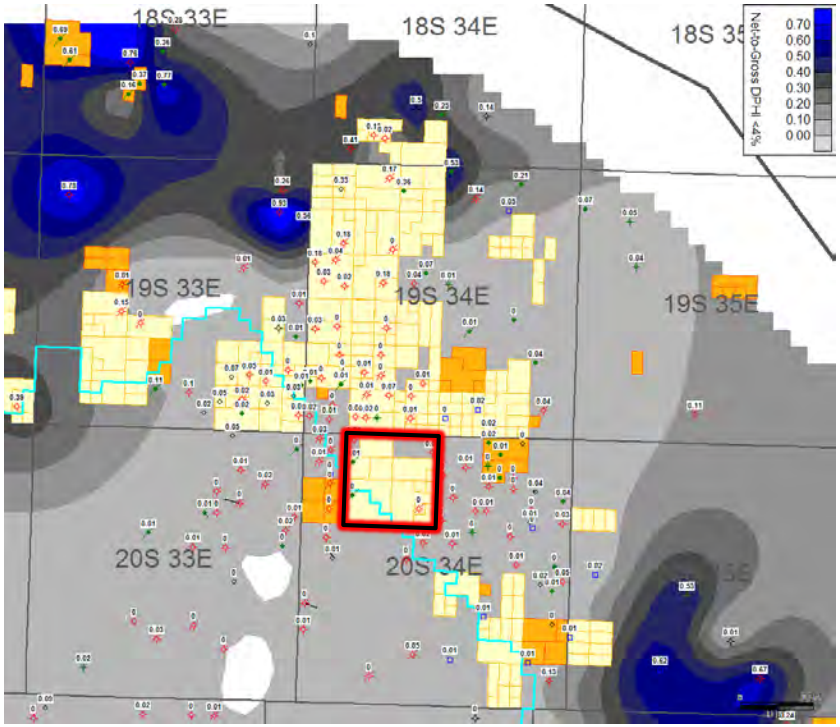
Frac Baffle

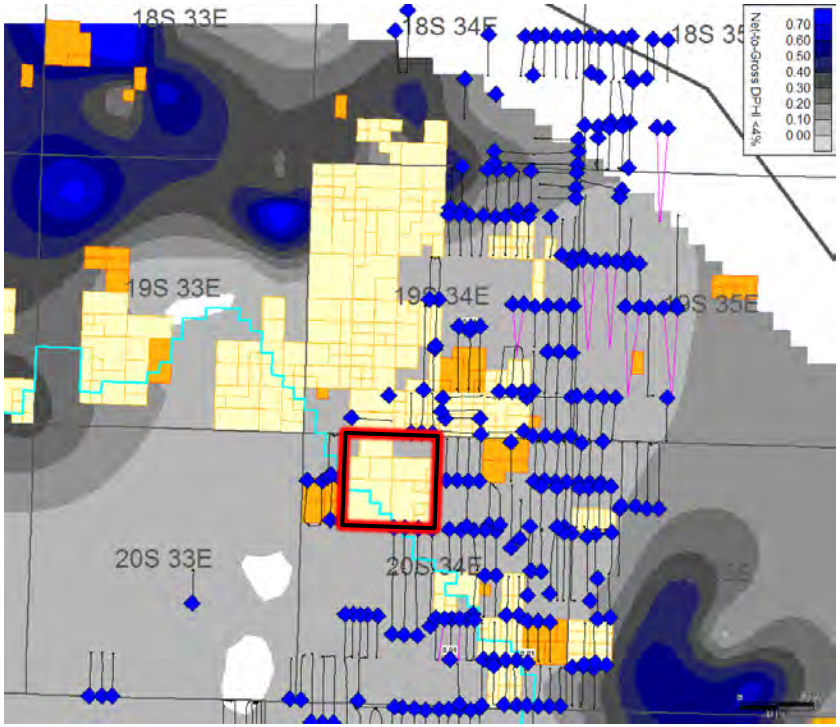
EXHIBIT
B-23

No Frac Baffles Between BSPG & WFMP at Existing Production



Net-to-Gross DPHI <4%
(0% means there is no frac baffle)





MAPPED

Scale is from 0% to 70%, so value = 0 means that there is no occurrence of density porosity dropping below 4% within 3rd Sand & Wolfcamp XY (no frac baffle)

◆ 3rd Bone Spring Sand

EXHIBIT
B-24

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.

EXHIBIT
C

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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.

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

13. 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 H_2S 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 T. Boyle

Calvin Thomas Boyle

8-2-23

Date Signed

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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

Attachment A

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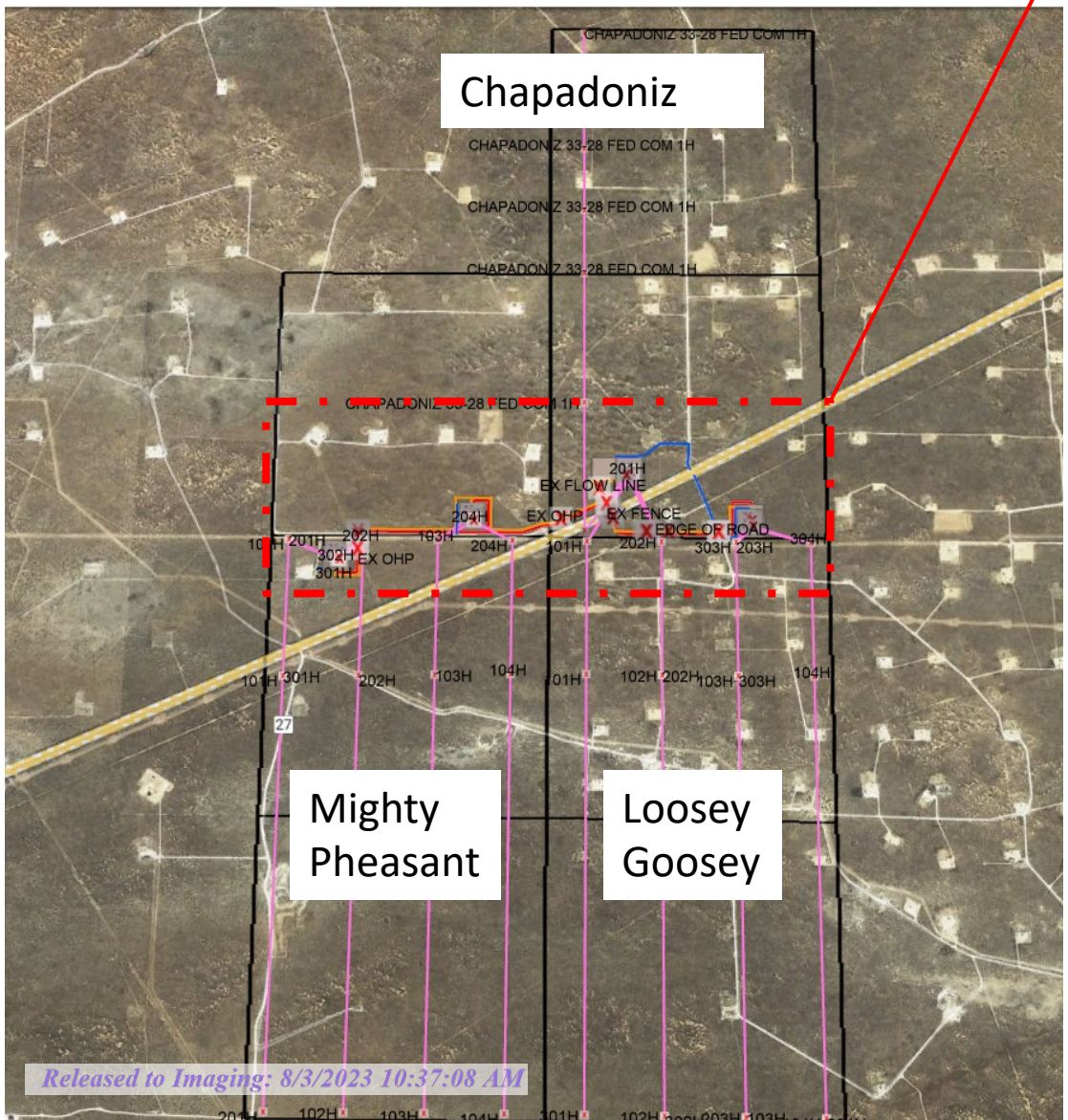
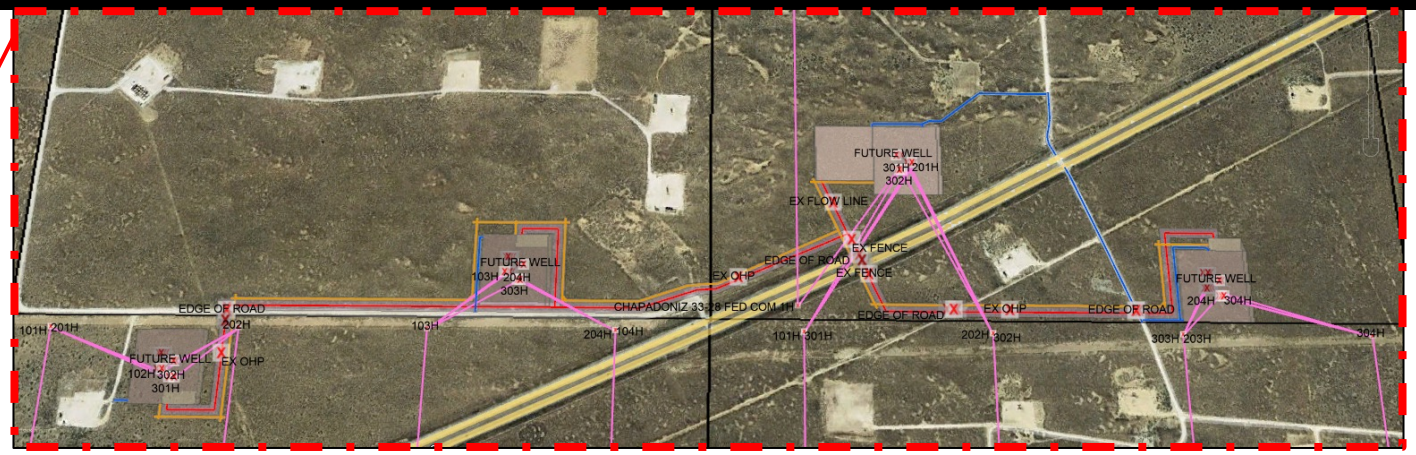
Mighty Pheasant Loosey Goosey Development Plan

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

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Operations and Environmental Overview

COTERRA

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

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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 3rd Bone Spring Sand Producers
Exhibit D-4: 3rd Sand Well Count by Landing and Operators
Exhibit D-5: Black and Tan 3rd Sand Composite Forecast 6 wells (Before WC completion)
Exhibit D-6: Black and Tan 3rd Sand Composite Forecast 6 Wells Post Wolfcamp Frac
Exhibit D-7: Black and Tan Wolfcamp Composite Forecast 6 wells
Exhibit D-8: 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 3rd SS Vs. 3rd 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 3rd 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
Exhibit D-19: 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
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APPLICATIONS OF CIMAREX ENERGY CO.
FOR COMPULSORY POOLING,
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(Mighty Pheasant; Wolfcamp; Secs. 5 & 8)

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Case Nos. 23452 – 23455
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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

EXHIBIT D

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 CapEx[1] 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, prior to 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 after 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

35. **Exhibit D-9** table 1.0 shows some simple forecast metrics highlighting the fact 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

36. This exhibit shows what Cimarex believes happened in the Black and Tan analog 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 3rd Sand Wolfcamp target or the lower 2nd Sand 3rd 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 9[2] versus the capital expenditures for Permian Resources' Bane and Joker Wells[3]. 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).

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[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%.

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

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.

_____
Eddie Behm

_____
Date Signed

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

EB

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

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Cimarex is a Play Leader in Lea County (Avg 12 Month Cum BOE / 1000ft)

Avg. First 12 Month BOE by Operator, Lea County 2018-2022

Source: Enverus Top 15 Operators OCD Data

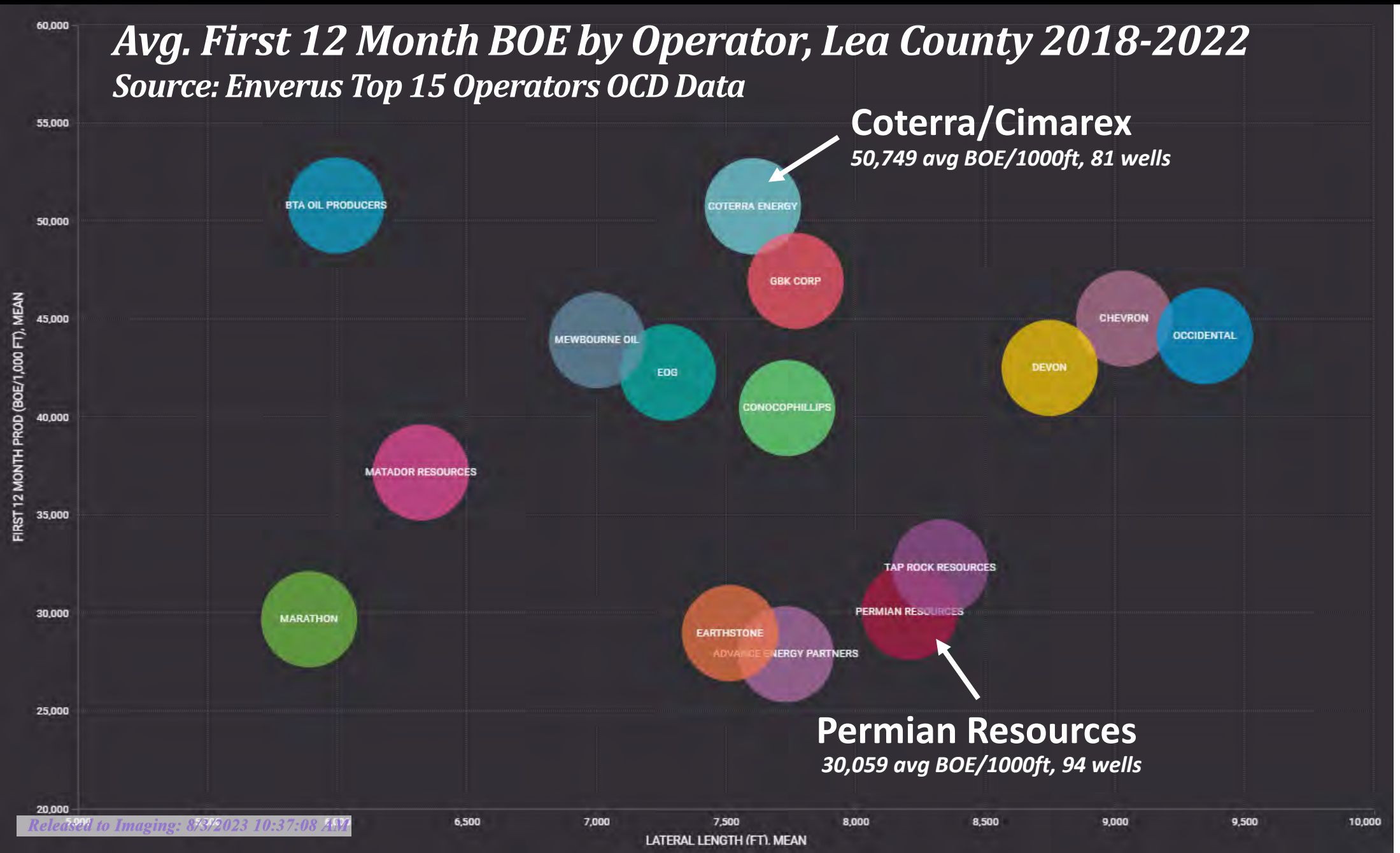

Exhibit D-1

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Cimarex is a Play Leader in Lea County (Avg 12 Month Cum Oil BBl/ 1000ft)

Avg. First 12 Month Oil by Operator, Lea County 2018-2022

Source: Enverus Top 15 Operators OCD Data

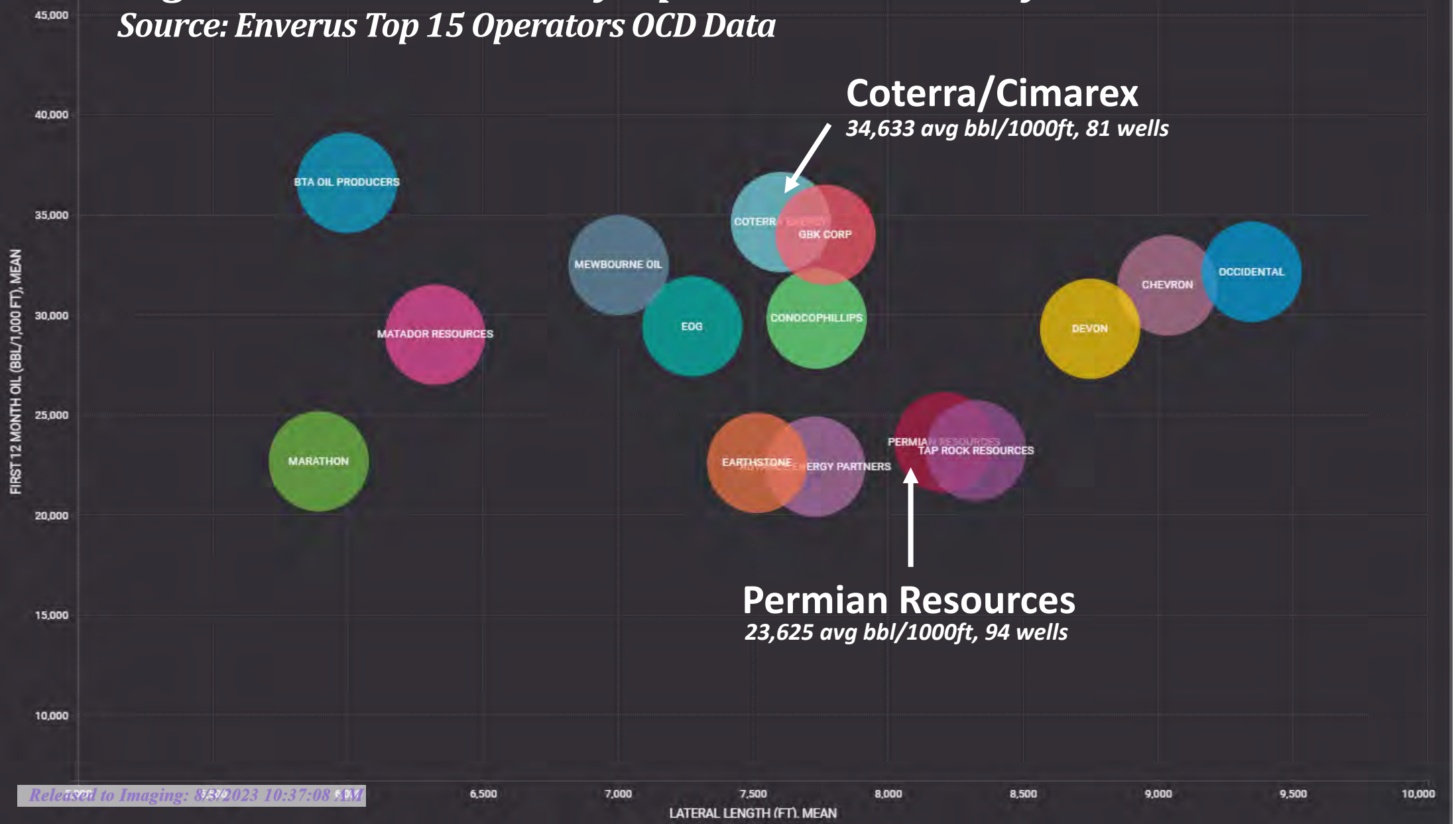

Exhibit D-2

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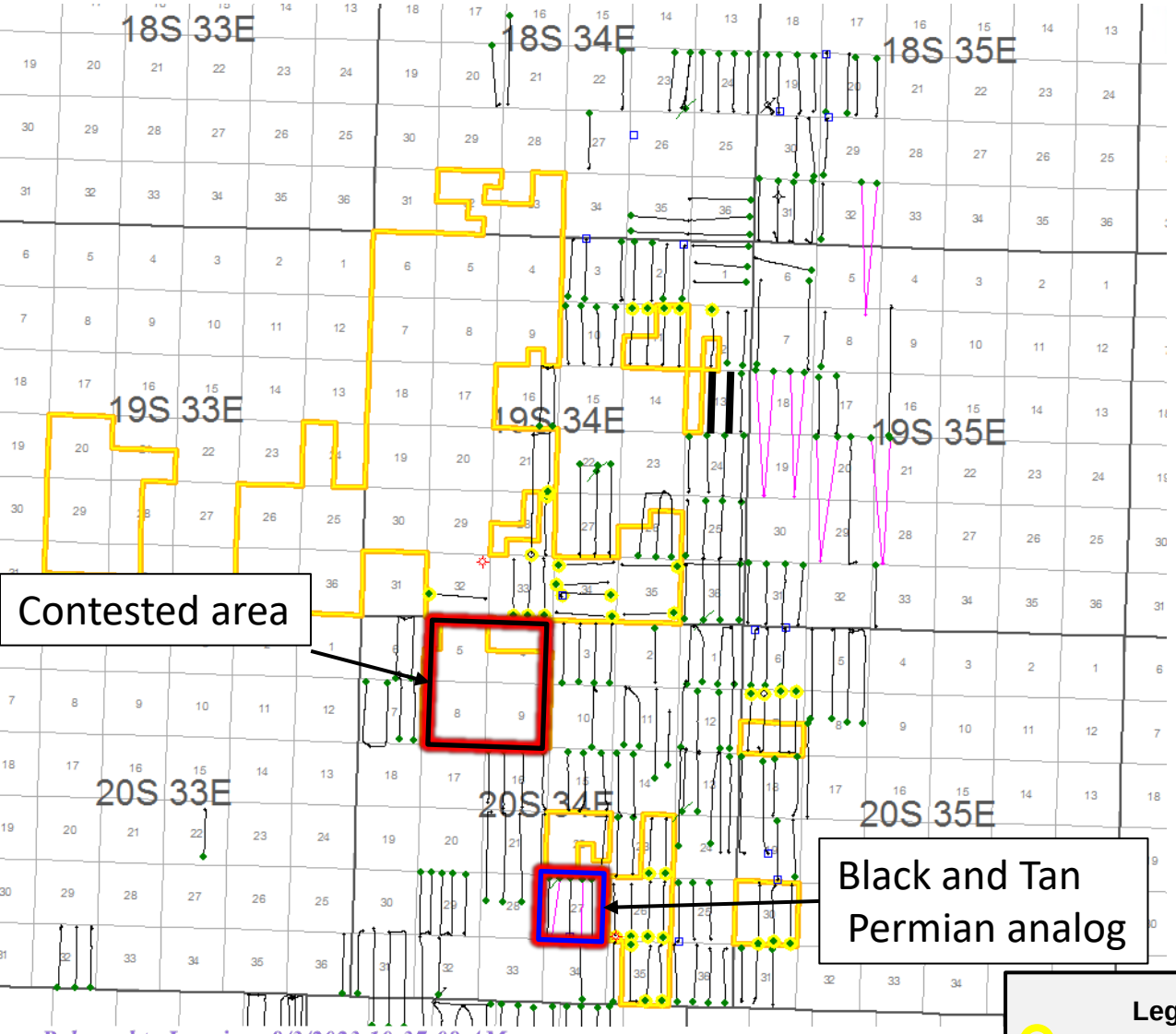
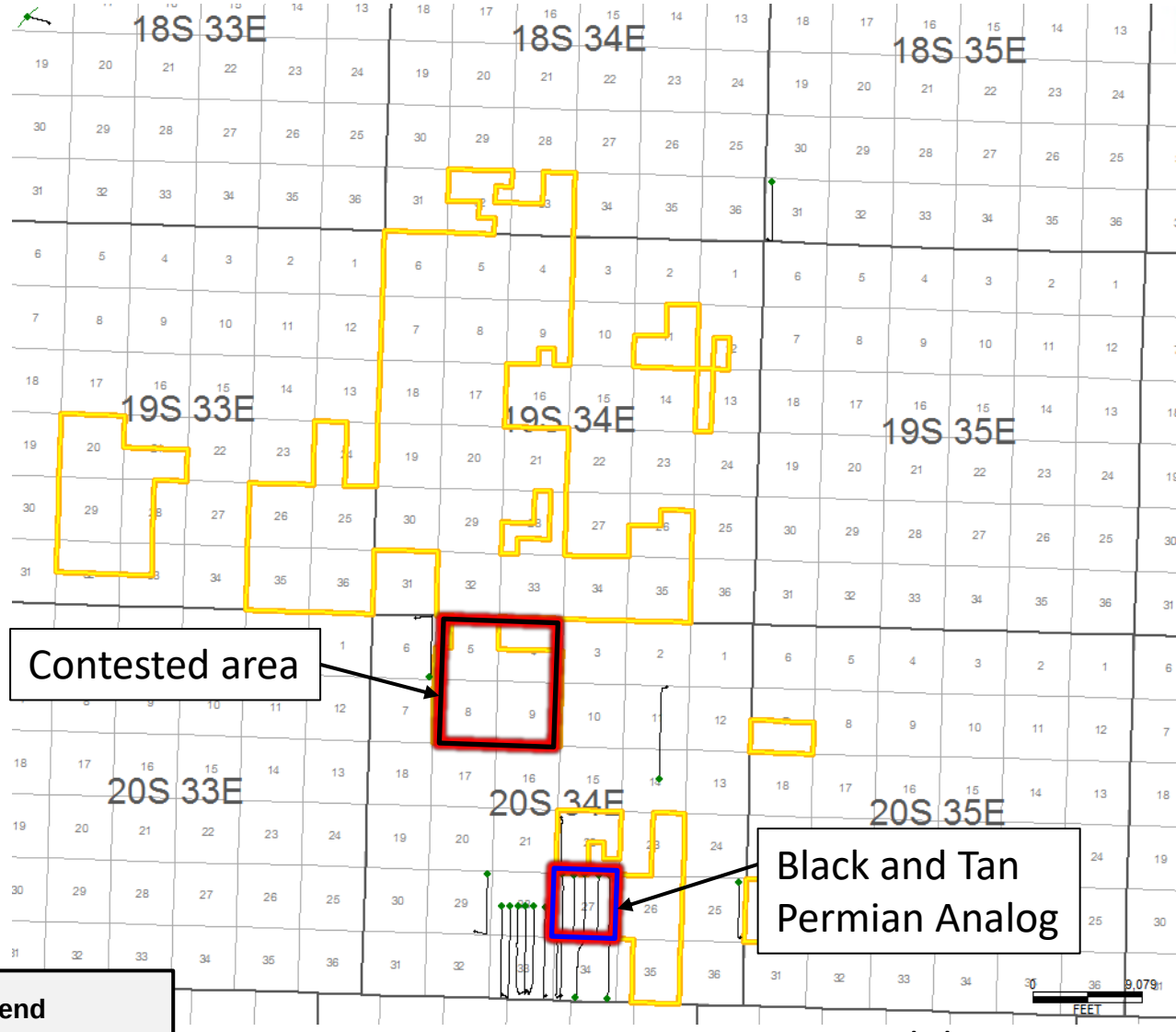
3rd Bone Spring Sand is the Established Single Bench Target at 4 WPS within AOI

42,650 acres developed with more than 1 well, all but one development, 98.5% of sections similar to Cimarex proposal

3rd Bone Spring Sand Producers



Wolfcamp Producers



Legend
Cimarex Operated Wells

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Exhibit D-3

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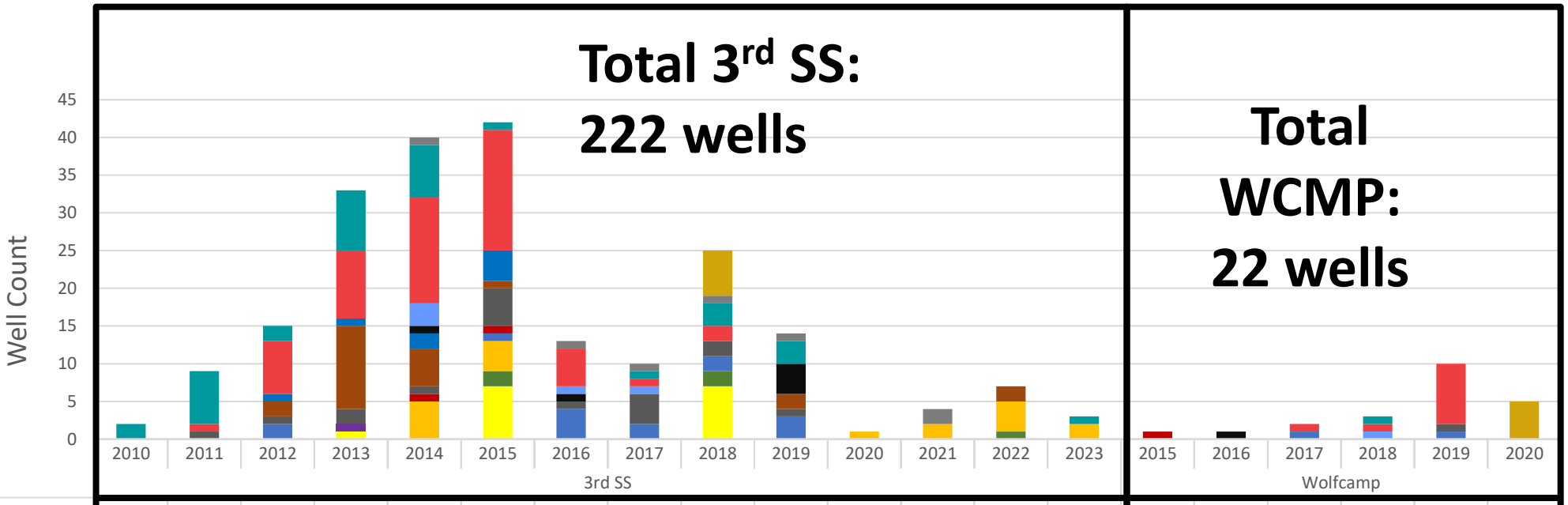
Well Count by Landing and Operators Shows 3rd Sand is the Consensus Landing

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



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2015	2016	2017	2018	2019	2020
APACHE CORP									6											5
CAZA OPERATING LLC					1		1	1	1	1		2								
CIMAREX ENERGY CO	2	7	2	8	7	1		1	3	3				1				1		
COG OPERATING LLC		1	7	9	14	16	5	1	2								1	1	8	
EARTHSTONE OPERATING LLC					3		1	1										1		
EOG RESOURCES INC					1		1			4						1				
FASKEN OIL & RANCH LTD			1	1	2	4														
FRANKLIN MOUNTAIN ENERGY 3 LLC			2	11	5	1				2			2							
LEGACY RESERVES OPERATING LP		1	1	2	1	5	1	4	2	1									1	
MARATHON OIL PERMIAN LLC					1	1									1					
MATADOR PRODUCTION CO			2			1	4	2	2	3							1		1	
MEWBOURNE OIL CO					5	4					1	2	4	2						
RAYBAW OPERATING LLC				1																
READ & STEVENS INC						2			2				1							
XTO ENERGY INC				1		7			7											

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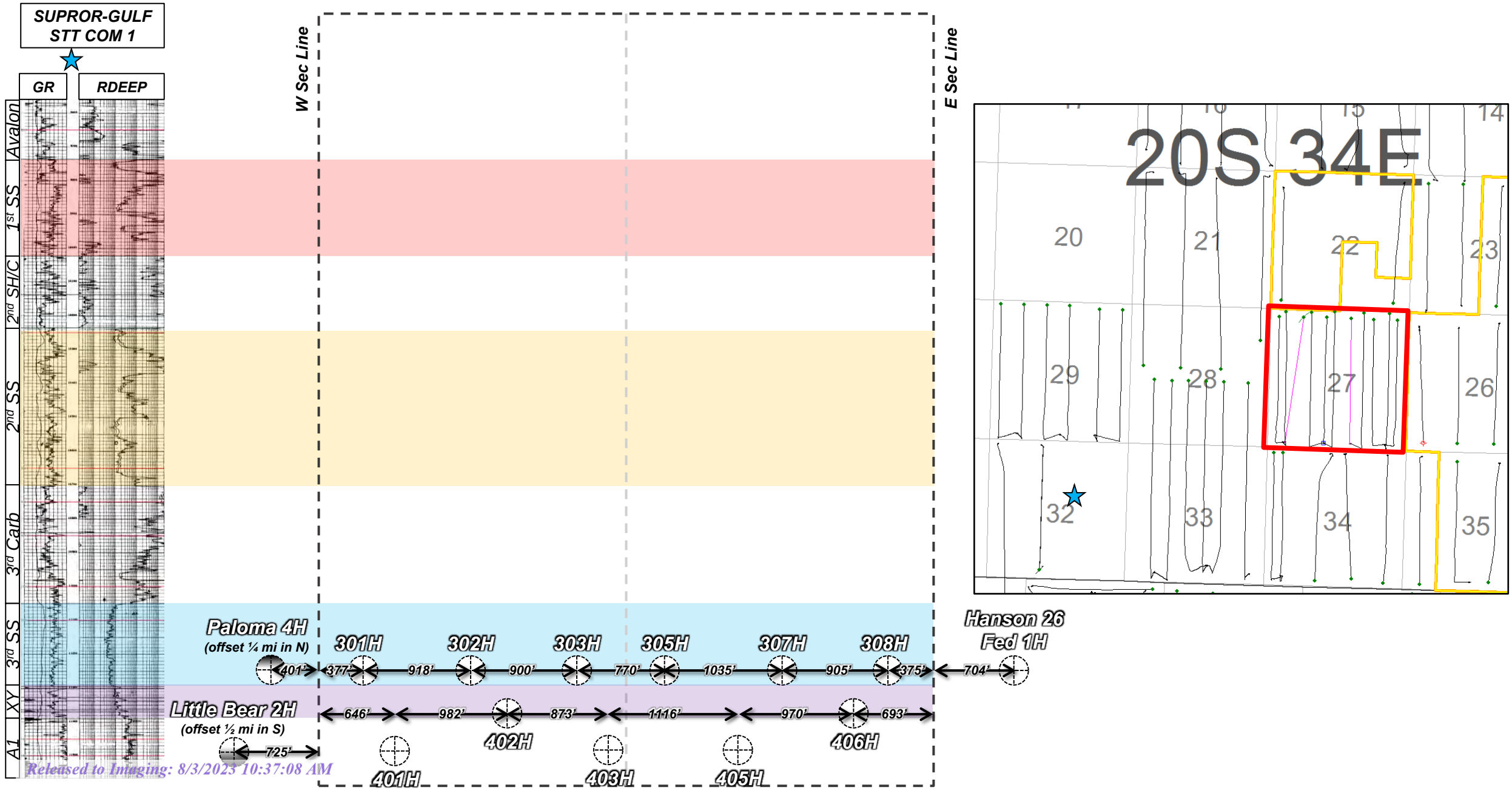
Black and Tan

Exhibit D-3



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Black and Tan 3rd Sand Composite Forecast 6 Wells (Before WC completion)

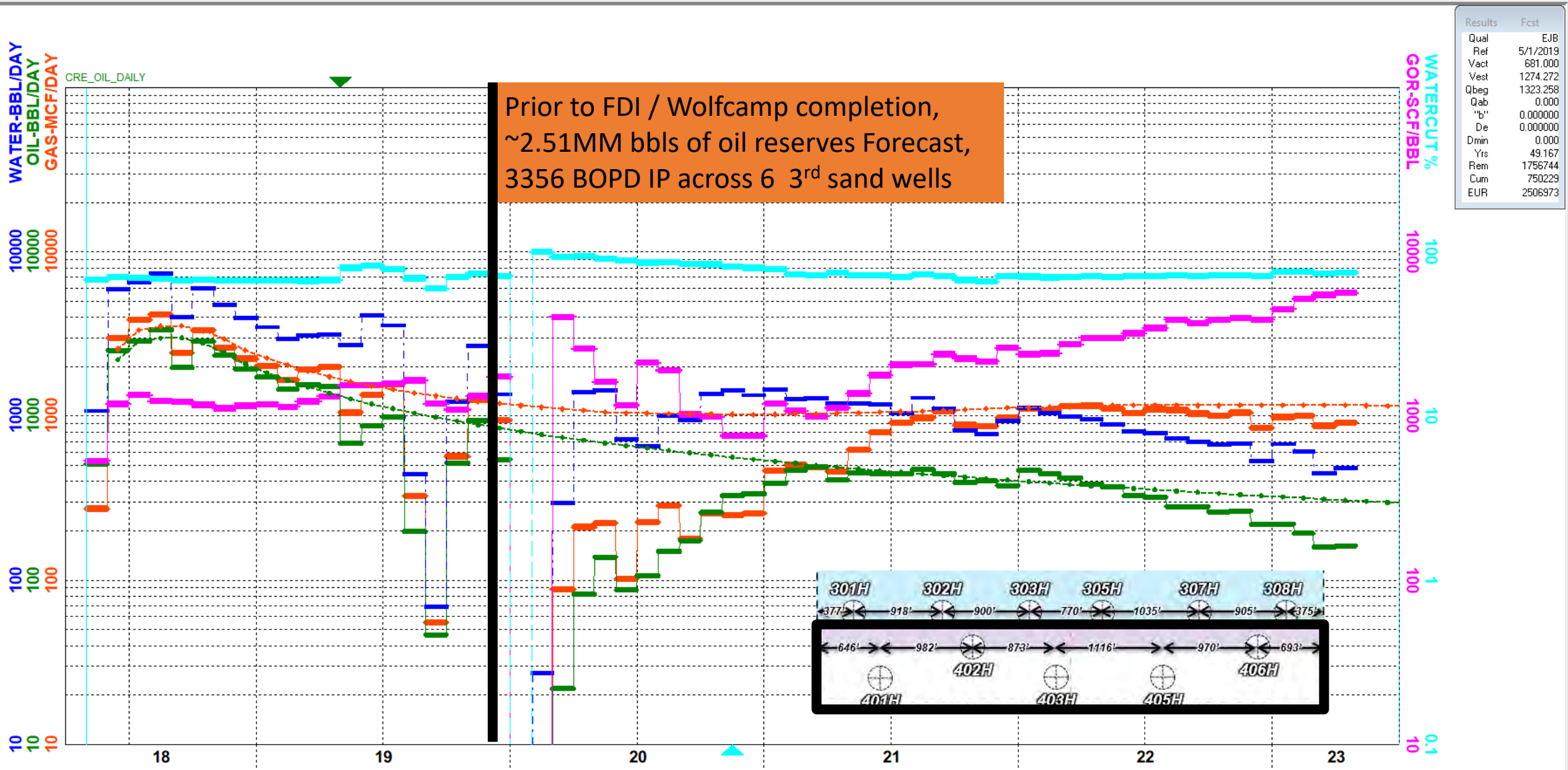

Exhibit D-6

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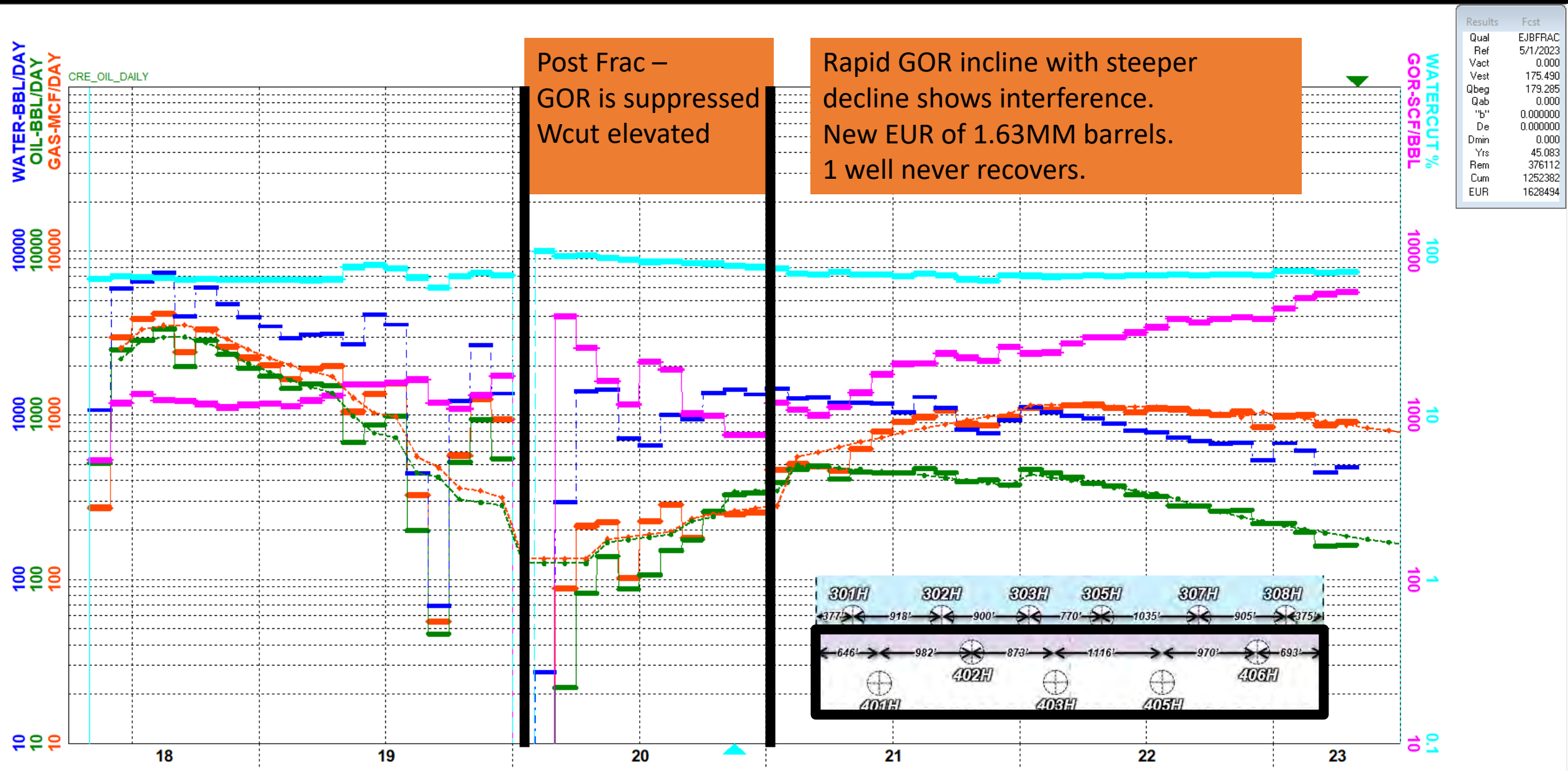
Black and Tan 3rd Sand Composite Forecast 6 Wells Post Wolfcamp Frac

Exhibit D-7



Results	Fcst
Qual	EJBFRAC
Ref	5/1/2023
Vact	0.000
Vest	175.490
Qbeg	179.285
Qab	0.000
"b"	0.000000
De	0.000000
Dmin	0.000
Yrs	45.083
Rem	376112
Cum	1252382
EUR	1628494

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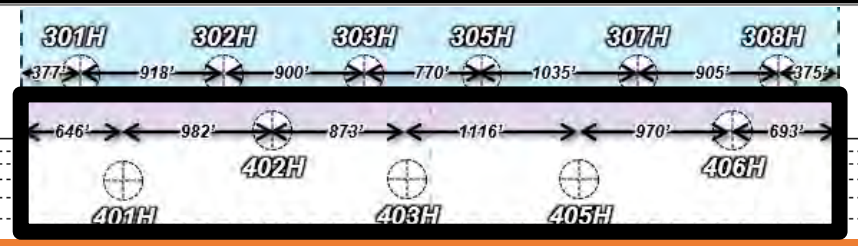
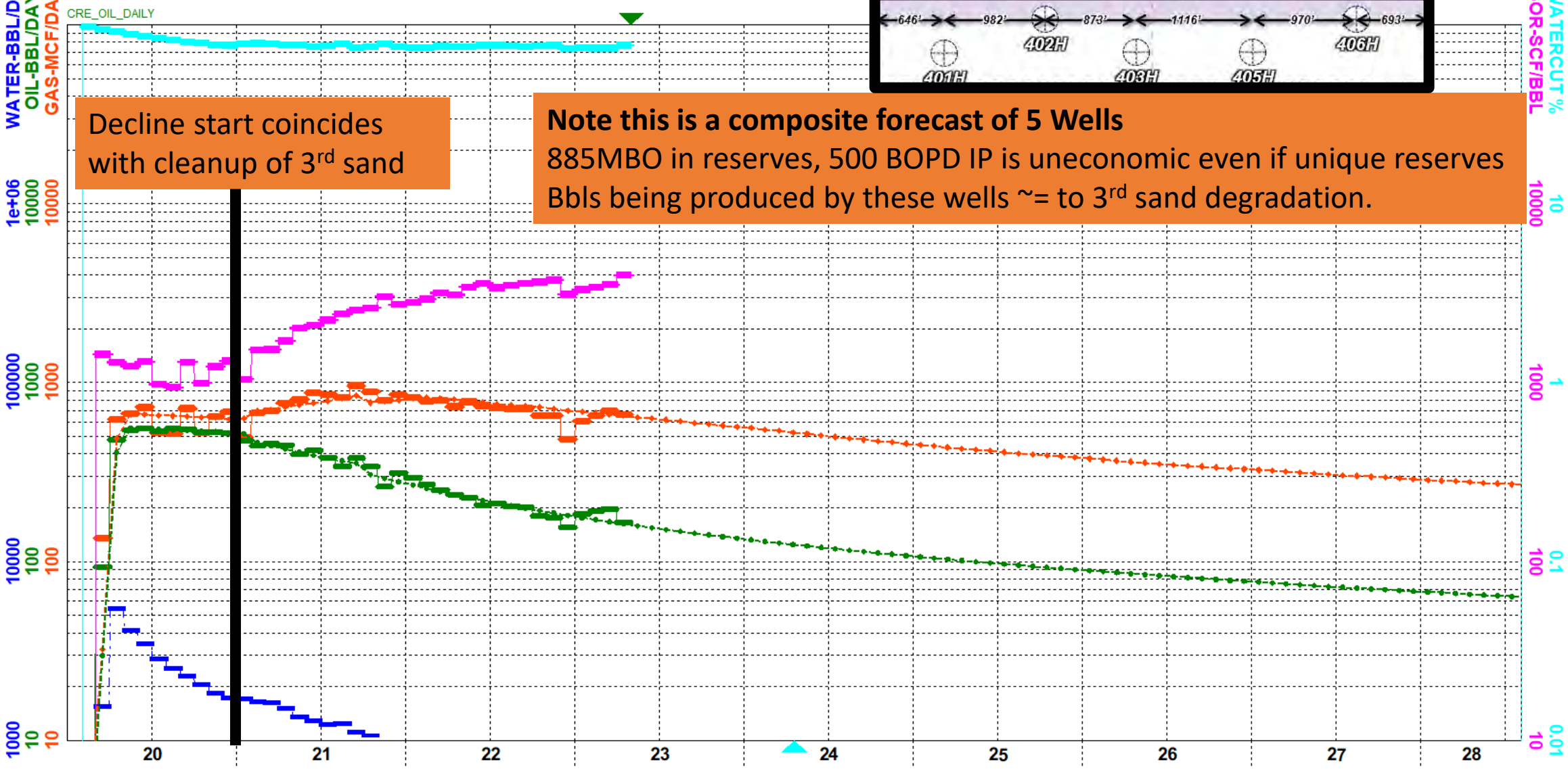
Black and Tan Wolfcamp Composite Forecast 5 Wells

Exhibit D-8



Results	Fcst
Qual	EJB
Ref	5/1/2023
Vact	0.000
Vest	158.504
Qbeg	160.501
Qab	0.000
"b"	0.000000
De	0.000000
Dmin	0.000
Yrs	46.917
Rem	492658
Cum	392461
EUR	885120



Decline start coincides with cleanup of 3rd sand

Note this is a composite forecast of 5 Wells
885MBO in reserves, 500 BOPD IP is uneconomic even if unique reserves Bbls being produced by these wells ~= to 3rd sand degradation.

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Lessons Learned from the Black and Tan Development

Exhibit D-9

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	Completed 2nd
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	
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 | F44F2545	
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	Completed 1st
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 | 402B8A1B23	
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	
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	
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	
30025440450000 | BLACK AND TAN 27 FEDERAL COM #308H | BLACK AND TAN 27 FEDERAL COM | 3RD BONE SPRING SAND | APACHE CORP | LEA | 4340 | 01/30/2018 | 05/05/2018 | A7CD7	

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 of 3rd sand to Wolfcamp	3rd Sand			Wolfcamp	(Wolfcamp - 3rd Sand Delta) = value added from 5 wells
	3rd Bone Spring	3rd Bone Post frac	3rd Sand Delta		
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 Analog Comparison	3rd Sand	Wolfcamp	3rd SS % of total	3rd / Wolfcamp Comparison %
PHIH	26.75	10	72.8	268

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Diagram of Staggered Landing Wolfcamp + 3rd SS vs. 3rd SS Flat

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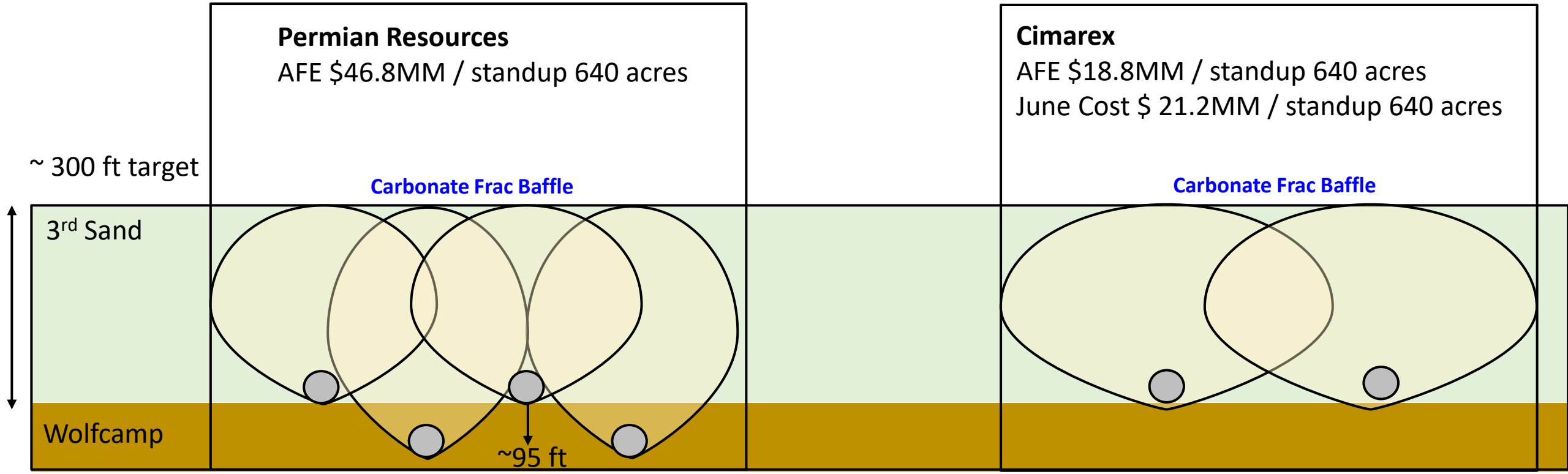

- Cimarex has experience developing as many as 8 landings within a DSU successfully in Lea county with 9th drilling now, 35 to 38 wells / section. The difference is the combination of geology (barriers, reservoir height, and flow units) don't support the proposed staggers at Mighty Pheasant Loosey Goosey 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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Black and Tan Analog Comparison To MP/LG

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Table 1.2	Black and Tan			Mighty Pheasant Loosey Goosey		
Analog Comparison	3rd Sand	Wolfcamp	3rd SS % of total	3rd Sand	Wolfcamp	3rd SS % of total
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 analysis at Cimarex WI & NRI			Permian		Cimarex	
Reserves	IP	Economic EUR MBO	PV10 $MM	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			Permian		Cimarex	
12 MM EUR	IP	Economic EUR MBO	PV10 $MM	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	24,566	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

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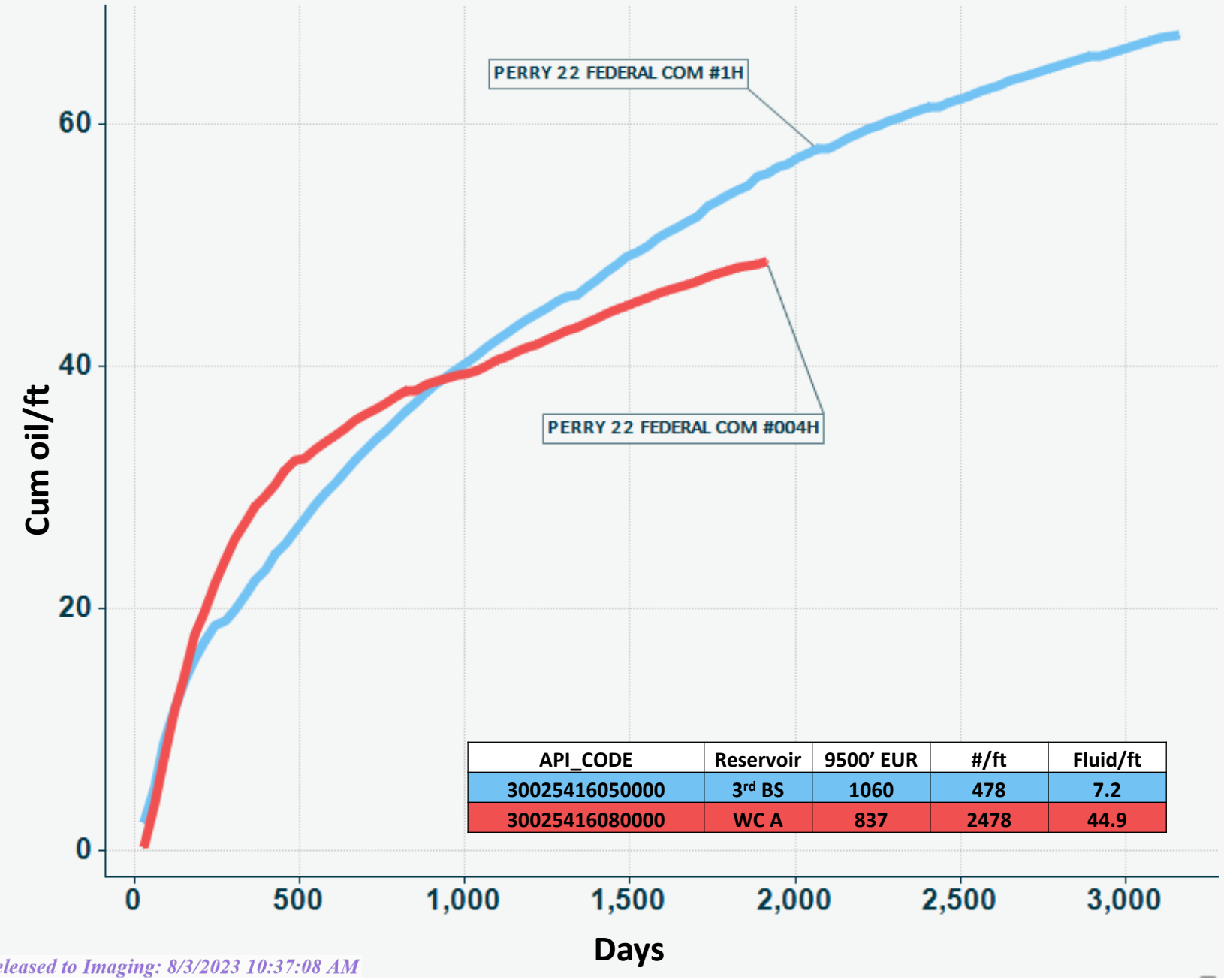
Landing Zone Matters; 5 Years Ago, Cimarex's Perry Test Confirmed 3rd SS Landing as Best Target v2

Exhibit D-12



API_CODE	Reservoir	9500' EUR	#/ft	Fluid/ft
30025416050000	3rd BS	1060	478	7.2
30025416080000	WC A	837	2478	44.9

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

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Verna Rae Frac Test Section 6 Adjacent to Subject Lands

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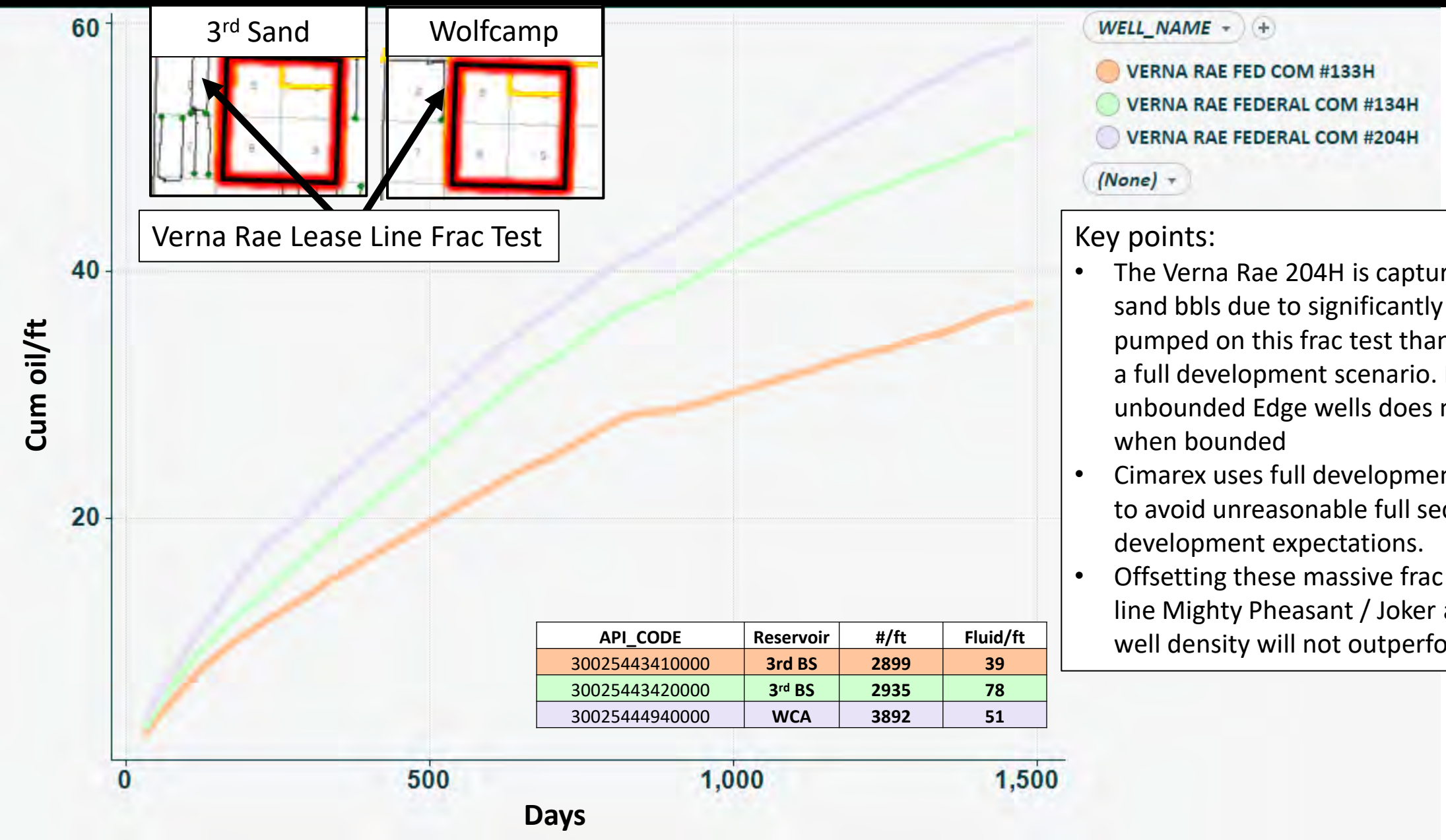

API_CODE	Reservoir	#/ft	Fluid/ft
30025443410000	3rd BS	2899	39
30025443420000	3rd BS	2935	78
30025444940000	WCA	3892	51

Key points:

- 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.

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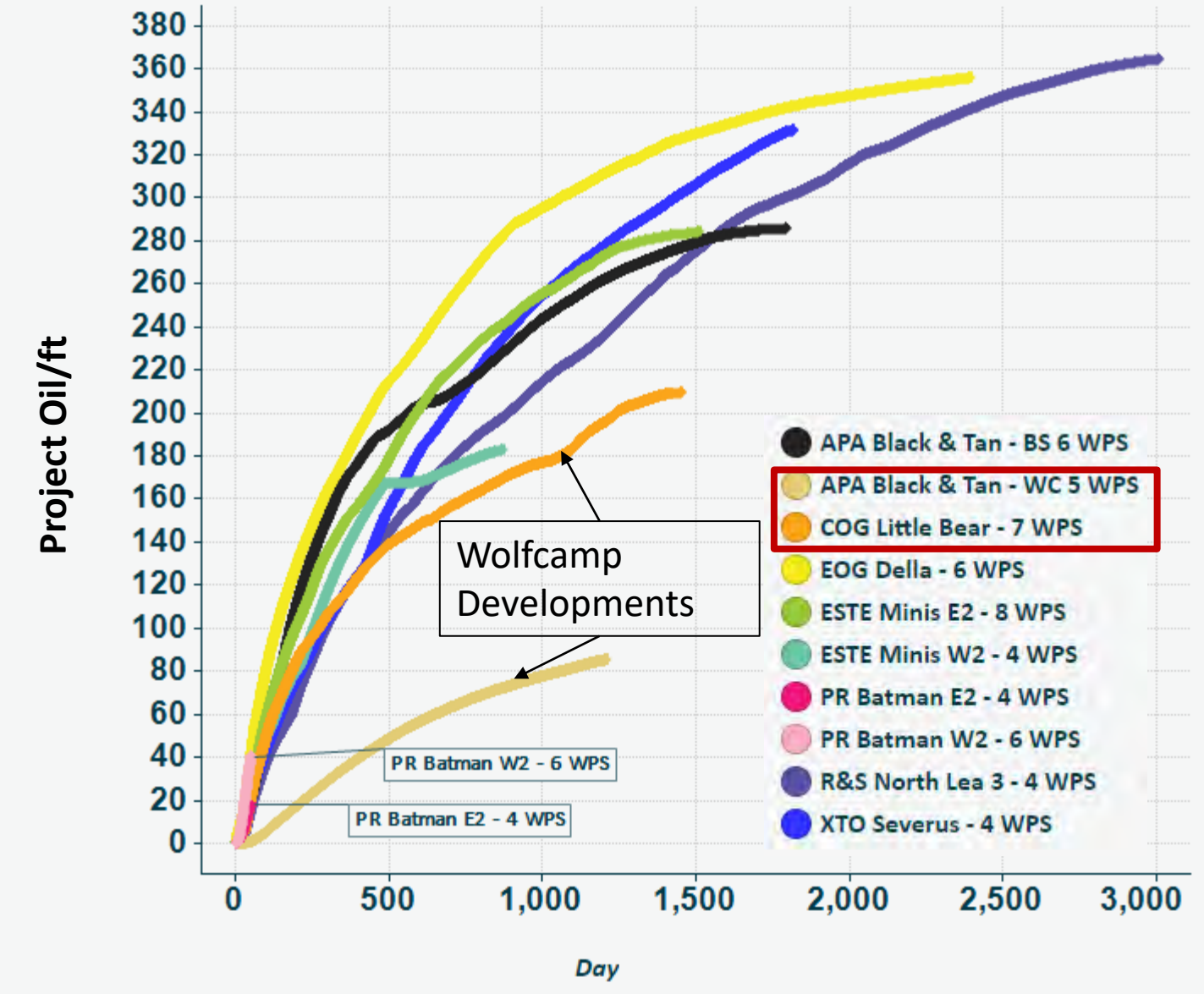
1280-Scale Project Cum. Oil/ft vs Days

Exhibit D-1



- 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.

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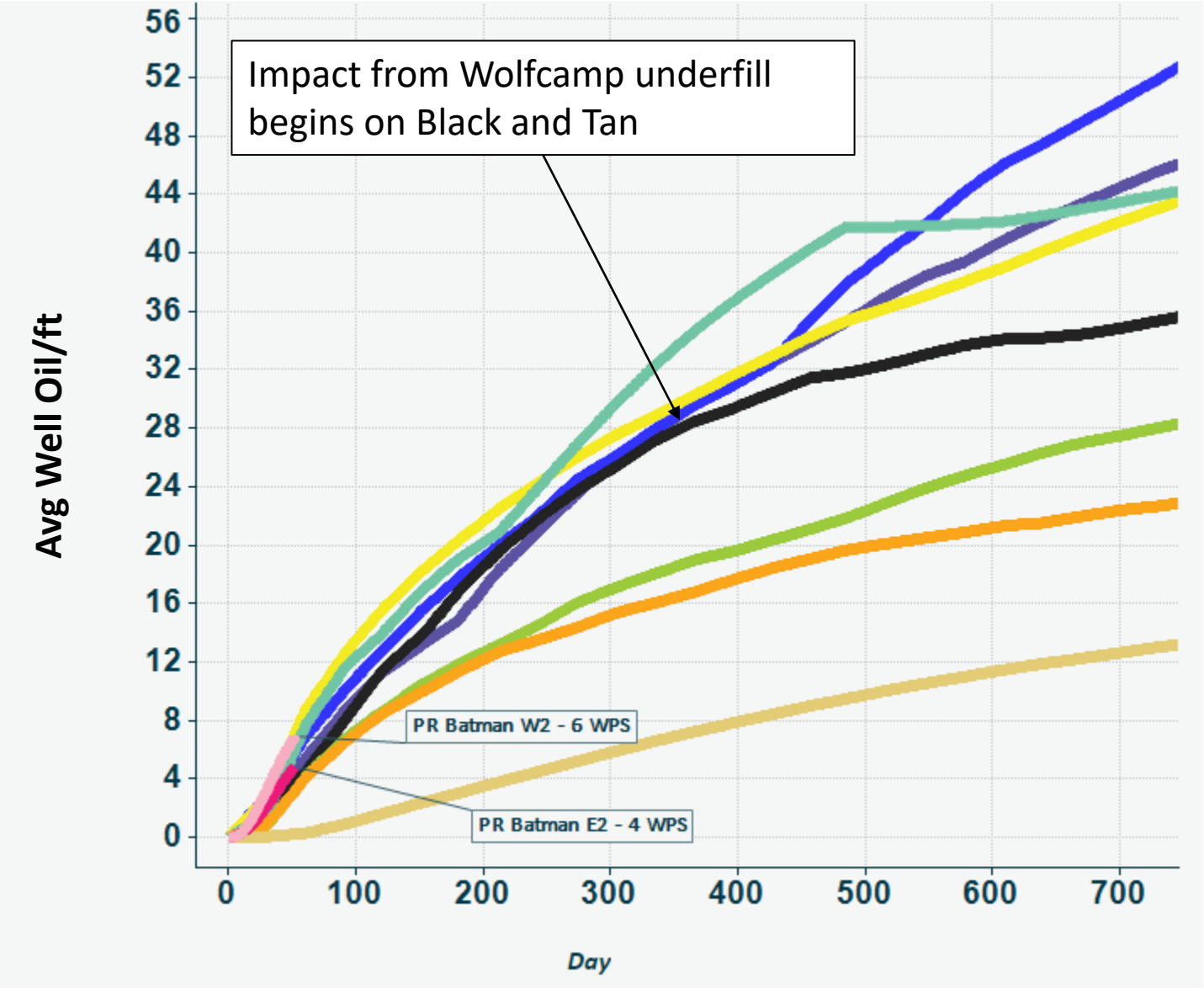
Average Per-Well Cum. Oil/ft vs Days, 2-Year Zoom

Exhibit D-13



- APA Black & Tan - BS 6 WPS
- APA Black & Tan - WC 5 WPS
- COG Little Bear - 7 WPS
- EOG Della - 6 WPS
- ESTE Minis E2 - 8 WPS
- ESTE Minis W2 - 4 WPS
- PR Batman E2 - 4 WPS
- PR Batman W2 - 6 WPS
- R&S North Lea 3 - 4 WPS
- XTO Severus - 4 WPS

- 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

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1280-Scale Project Oil Rate/ft vs Cum Oil/ft

Exhibit D-16

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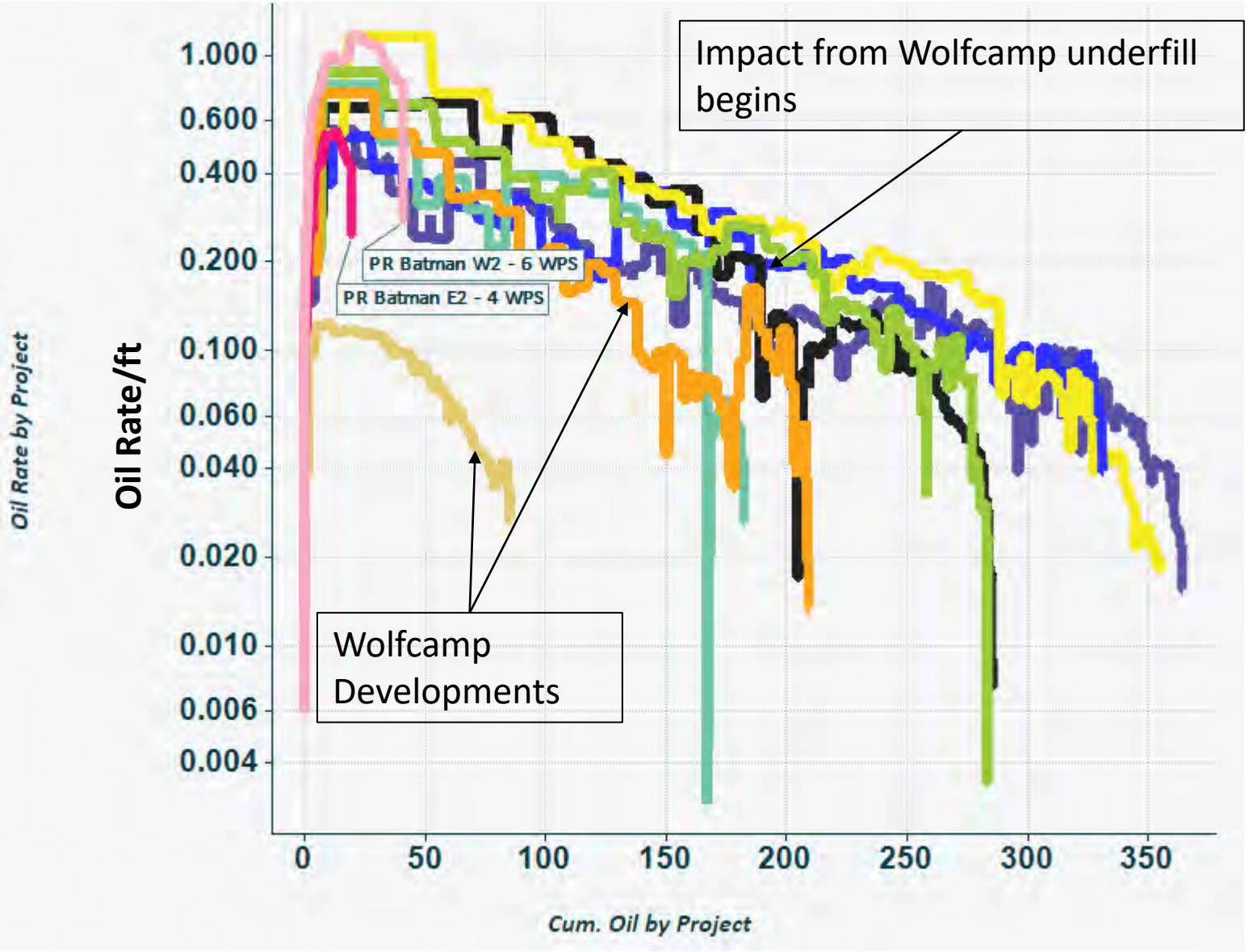

- APA Black & Tan - BS 6 WPS
- APA Black & Tan - WC 5 WPS
- COG Little Bear - 7 WPS
- EOG Della - 6 WPS
- ESTE Minis E2 - 8 WPS
- ESTE Minis W2 - 4 WPS
- PR Batman E2 - 4 WPS
- PR Batman W2 - 6 WPS
- R&S North Lea 3 - 4 WPS
- XTO Severus - 4 WPS

- 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

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Batman WH vs. EH

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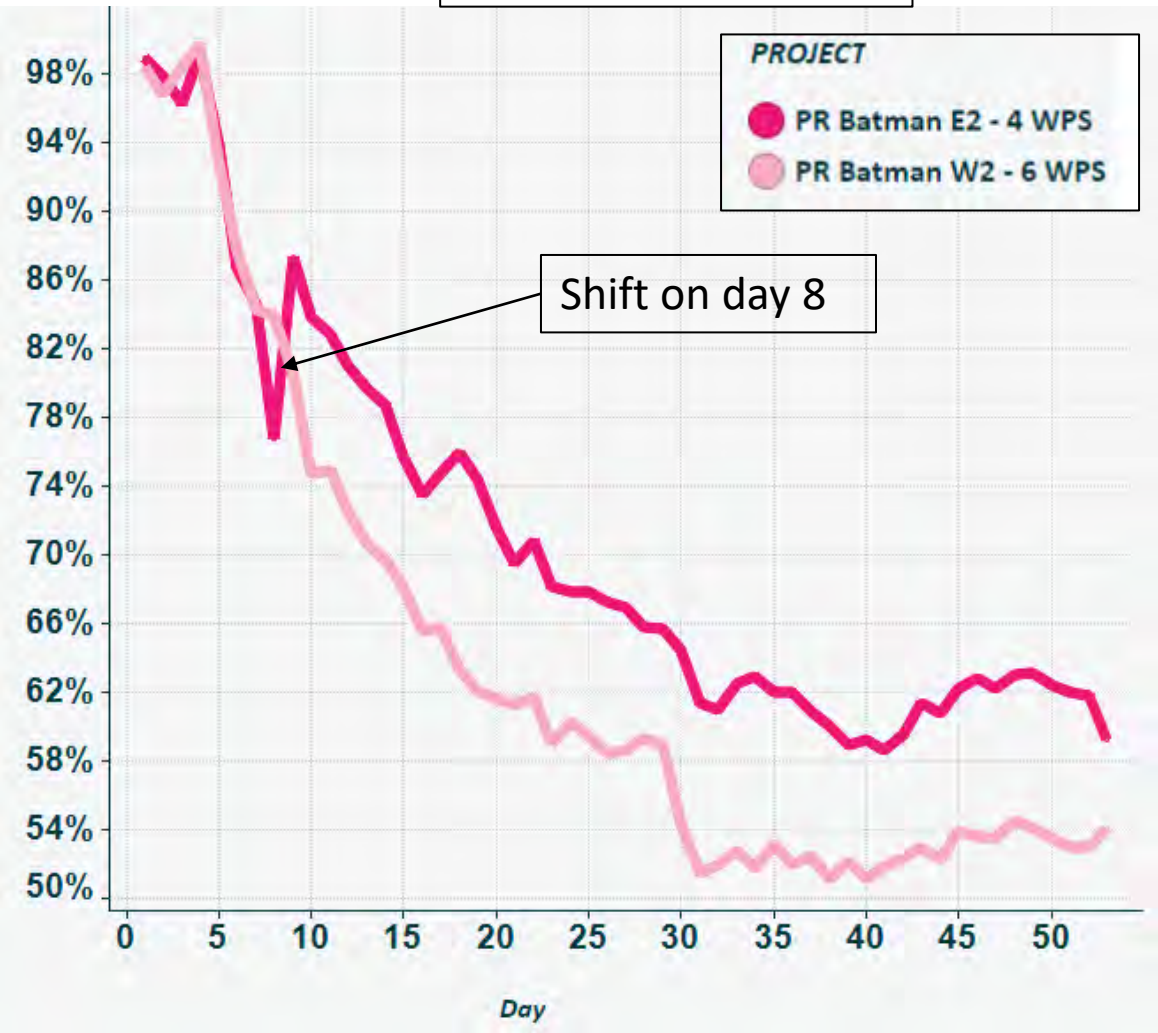
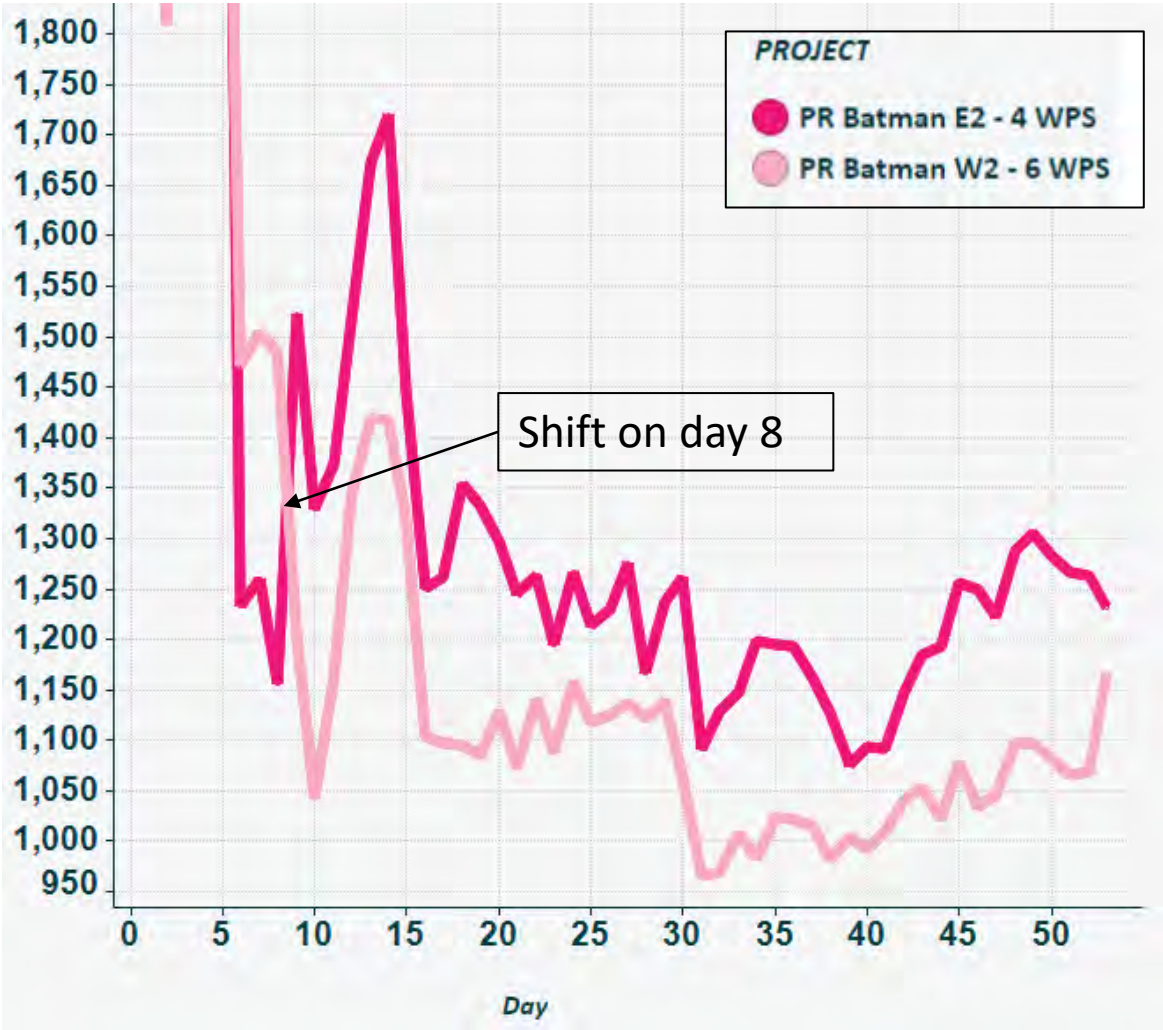
Water Cut vs. Time



GOR vs. Time



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

Exhibit D-18

Cimarex - Loosey Goosey/Mighty Pheasant				
Res	Well	AFE CapEx	June Current Cost	AFE Bench Total
1st	101H	$8,570,695	$9,651,993	**$36,922,774**
1st	102H	$9,450,693	$9,651,993	
1st	103H	$9,450,693	$9,651,993	
1st	104H	$9,450,693	$9,651,993	
upper 2nd*	211H	$8,570,695	$9,651,993	**$25,712,085**
upper 2nd*	212H	$8,570,695	$9,651,993	
upper 2nd*	213H	$8,570,695	$9,651,993	
2nd	201H	$8,570,695	$9,651,993	**$34,282,780**
2nd	202H	$8,570,695	$9,651,993	
2nd	203H	$8,570,695	$9,651,993	
2nd	204H	$8,570,695	$9,651,993	
3rd	301H	$9,428,854	$10,621,993	**$37,675,408**
3rd	302H	$9,428,854	$10,621,993	
3rd	303H	$9,408,850	$10,621,993	
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		$42,896,772
1st	112H	$10,724,193		
1st	113H	$10,724,193		
1st	114H	$10,724,193		
uppr 2nd	122H	$11,020,308		$44,081,232
uppr 2nd	124H	$11,020,308		
uppr 2nd	126H	$11,020,308		
uppr 2nd	128H	$11,020,308		
2nd	121H	$11,020,308		$44,081,232
2nd	123H	$11,020,308		
2nd	125H	$11,020,308		
2nd	127H	$11,020,308		
3rd bs	131H	$11,535,757		$46,143,028
3rd bs	132H	$11,535,757		
3rd bs	133H	$11,535,757		
3rd bs	134H	$11,535,757		
3rd bs	171H	$11,308,013		$92,743,500
3rd bs	172H	$11,308,013		
3rd bs	173H	$11,308,013		
3rd bs	174H	$11,308,013		
WC	201H	$11,877,862		
WC	202H	$11,877,862		
WC	203H	$11,877,862		
WC	204H	$11,877,862		
Total Gross 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.
- Permian Resources contracts, practices, and development plan is >= $121MM of waste driven by Frac cost and Well Count

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Cimarex Represents the Majority WI for Any Plan Drilled

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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 3rd 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.

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MRC Permian - PV10 Comparison - Mighty Pheasant vs. Joker

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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

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MRC Permian - PV10 Comparison – Loosey Goosey vs. Bane

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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

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Ownership Ratios and Depth Severences

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.

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3rd SS Wolfcamp API List

Exhibit D-2

UWI (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
30025405490000	PLAYA 2 STATE 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025406040100	IGLOO 19 STATE 2H	CAZA OPERATING LLC	3rd SS
30025406110000	IRONHOUSE 20 STATE 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025406340000	BUTTER CUP 35 STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025406370000	HANSON 26 FEDERAL 3H	CIMAREX ENERGY CO	3rd SS
30025406400000	BUTTER CUP 36 STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025406410000	BUTTER CUP 36 STATE COM 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025406420000	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
30025406970000	LAGUNA 23 FEDERAL COM 002H	EARTHSTONE OPERATING LLC	3rd SS
30025406980100	LEA UNIT 30H	LEGACY RESERVES OPERATING LP	3rd SS
30025406990100	LEA UNIT 31H	LEGACY RESERVES OPERATING LP	3rd SS
30025407250100	OUTLAW `22` FEDERAL COM 1H	COG OPERATING LLC	3rd SS
30025407270000	MONGOOSE FEE 001H	MATADOR PRODUCTION CO	3rd SS
30025407420000	LAGUNA 23 FEDERAL COM 1H	EARTHSTONE OPERATING LLC	3rd SS
30025407480000	IRONHOUSE 20 STATE COM 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025407500000	LYNCH 35-2H	CIMAREX ENERGY CO	3rd SS
30025407780100	PRICKLY PEAR 6 FEDERAL 4H	COG OPERATING LLC	3rd SS
30025408040000	HANSON 26 FEDERAL 4H	CIMAREX ENERGY CO	3rd SS
30025408140100	CONDOR STATE 001H	COG OPERATING LLC	3rd SS
30025408190000	HANSON 26 FEDERAL 2H	CIMAREX ENERGY CO	3rd SS
30025408250000	LYNCH 35 FEE 1H	CIMAREX ENERGY CO	3rd SS
30025408360000	MERIT 32 DM STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025408410000	QUAIL 11 STATE COM 1H	CIMAREX ENERGY CO	3rd SS
[illegible]	[illegible] 2H	CIMAREX ENERGY CO	3rd SS
30025408750000	AIRCOBRA 12 STATE 1H	COG OPERATING LLC	3rd SS
30025408840000	MERIT 6 EH STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025409420000	QUAIL `16` STATE 007H	FASKEN OIL & RANCH LTD	3rd SS
30025409700000	STRATOJET 31 STATE COM 2H	COG OPERATING LLC	3rd SS
30025409770100	TRES PRIMOS 3 STATE 1H	COG OPERATING LLC	3rd SS
30025409840000	MARATHON ROAD 14 NC FEDERAL 1H	MEWBOURNE OIL CO	3rd SS
30025410250000	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
30025410940000	IRONHOUSE 19 STATE COM 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025411060100	GOOSE STATE 001H	COG OPERATING LLC	3rd SS
30025411100000	WILD COBRA 1 STATE 1H	COG OPERATING LLC	3rd SS
30025411310000	PERLA NEGRA FEDERAL COM 1H	XTO ENERGY INC	3rd SS
30025411410000	QUAIL 11 STATE COM 3H	CIMAREX ENERGY CO	3rd SS
30025411480100	CAPROCK 27 STATE FEDERAL COM 1H	RAYBAW OPERATING LLC	3rd SS
30025411520000	AIRSTRIP FEE COM 1H	COG OPERATING LLC	3rd SS
30025411630000	IRONHOUSE 24 STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025412010000	GOOSE STATE COM 2H	COG OPERATING LLC	3rd SS
30025412100100	QUAIL 11 STATE COM 4H	CIMAREX ENERGY CO	3rd SS
30025412150000	MARATHON ROAD 14 MD FEDERAL 1H	MEWBOURNE OIL CO	3rd SS
30025412450200	IRONHOUSE `19` STATE COM 004H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025413050100	HAMON A FEDERAL COM 3H	LEGACY RESERVES OPERATING LP	3rd SS
30025413580100	TUSK FEDERAL 4H	COG OPERATING LLC	3rd SS
30025413660000	QUAIL `16` STATE 8H	FASKEN OIL & RANCH LTD	3rd SS
30025413670100	LEA SOUTH 25 FEDERAL COM 5H	EARTHSTONE OPERATING LLC	3rd SS
30025415190100	NIGHTHAWK STATE COM 1H	MARATHON OIL PERMIAN LLC	3rd SS
30025415320000	SCHARB 10 PA STATE 1H	MEWBOURNE OIL CO	3rd SS
30025415440000	ALBATROSS STATE COM 2H	COG OPERATING LLC	3rd SS
30025415620000	TANGO BTP STATE COM 004H	EOG RESOURCES INC	3rd SS
30025415720100	PRICKLY PEAR 6 FEDERAL 2H	COG OPERATING LLC	3rd SS
30025415730000	TUSK FEDERAL 3H	COG OPERATING LLC	3rd SS
30025415740000	TUSK FEDERAL 5H	COG OPERATING LLC	3rd SS
30025415750000	MARATHON ROAD 15 PA FEDERAL 1H	MEWBOURNE OIL CO	3rd SS
30025415950000	IRONHOUSE 24 STATE COM 002H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025416050000	PERRY 22 FEDERAL COM 1H	CIMAREX ENERGY CO	3rd SS
30025416120100	ORIOLE STATE 1H	COG OPERATING LLC	3rd SS
30025416170000	HAMON A FEDERAL COM 4H	LEGACY RESERVES OPERATING LP	3rd SS
30025416290000	PRICKLY PEAR 6 FEDERAL 3H	COG OPERATING LLC	3rd SS
30025416300100	HAMON FEDERAL COM A 2H	LEGACY RESERVES OPERATING LP	3rd SS
30025416440000	LYNCH 35 FED COM 3H	CIMAREX ENERGY CO	3rd SS
30025416950000	IRONHOUSE 24 STATE COM 003H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025416960000	IRONHOUSE 24 STATE COM 004H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025417140000	TOMCAT FEE 1H	COG OPERATING LLC	3rd SS
30025417520000	CUATRO HIJOS FEE 4H	COG OPERATING LLC	3rd SS
30025417750000	SCHARB 10 B3OB STATE 1H	MEWBOURNE OIL CO	3rd SS
30025418080000	MALLON 27 FEDERAL COM 003H	MATADOR PRODUCTION CO	3rd SS
30025418090000	ALBATROSS STATE COM 1H	COG OPERATING LLC	3rd SS
30025418330000	TIGER 11 FEDERAL 2H	COG OPERATING LLC	3rd SS
30025418340000	CORDONIZ 28 FEDERAL COM 4H	CIMAREX ENERGY CO	3rd SS
30025418350000	KINGFISHER STATE COM 1H	COG OPERATING LLC	3rd SS
30025418360000	KINGFISHER STATE COM 2H	COG OPERATING LLC	3rd SS
30025418580000	TEAL 12 STATE 2H	CIMAREX ENERGY CO	3rd SS
30025418610000	PERLA VERDE 31 STATE 2H	XTO ENERGY INC	3rd SS

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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 B3OB 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
30025427700000	PERLA NEGRA FEDERAL COM 3H	XTO ENERGY INC	3rd SS
30025428850000	LEA UNIT 44H	LEGACY RESERVES OPERATING LP	3rd SS

30025429490000	LEA UNIT 54H	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
30025437770000	ESPEJO FEDERAL COM 003H	XTO ENERGY INC	3rd SS
30025437920000	STRATOJET 31 STATE COM 007H	COG OPERATING LLC	3rd SS
30025438160100	AIRSTRIP 31 18 35 RN STATE COM #132H	MATADOR PRODUCTION CO	3rd SS
30025439210100	BLACK & TAN 27 FEDERAL COM 303H	APACHE CORP	3rd SS
30025439400000	BLACK & TAN 27 FEDERAL COM 305H	APACHE CORP	3rd SS
30025440170000	BLACK & TAN 27 FEDERAL COM 301H	APACHE CORP	3rd SS
30025440180000	BLACK & TAN 27 FEDERAL COM 302H	APACHE CORP	3rd SS
30025440440000	BLACK & TAN 27 FEDERAL COM 307H	APACHE CORP	3rd SS
30025440450000	BLACK AND TAN 27 FEDERAL COM 308	APACHE CORP	3rd SS
30025440920000	MAS FEDERAL COM 001H	COG OPERATING LLC	3rd SS
30025442130000	CHIEF 30 STATE 8H	CIMAREX ENERGY CO	3rd SS
30025443230000	AIRSTRIP 31-18-35 RN STATE COM 1	MATADOR PRODUCTION CO	3rd SS
30025443410000	VERNA RAE FEDERAL COM 133H	MATADOR PRODUCTION CO	3rd SS
30025443420000	VERNA RAE FEDERAL COM 134H	MATADOR PRODUCTION CO	3rd SS
30025444740000	DELLA 29 FEDERAL COM 603H	EOG RESOURCES INC	3rd SS
30025444750000	DELLA 29 FEDERAL 604H	EOG RESOURCES INC	3rd SS
30025444760000	DELLA 29 FEDERAL 605H	EOG RESOURCES INC	3rd SS
30025444770000	DELLA 29 FEDERAL 606H	EOG RESOURCES INC	3rd SS
30025444950000	EAGLECLAW FEDERAL COM 002H	CAZA OPERATING LLC	3rd SS
30025445090000	AIRSTRIP 31-18-35 RN STATE COM 1	MATADOR PRODUCTION CO	3rd SS
30025449080000	CHIEF 30 STATE 9H	CIMAREX ENERGY CO	3rd SS
30025450540000	MESCALERO RIDGE 21 FEDERAL 1H	CIMAREX ENERGY CO	3rd SS
30025451540000	LEA UNIT 066H	LEGACY RESERVES OPERATING LP	3rd SS
30025451990000	LEA 7 FEDERAL COM 29H	CIMAREX ENERGY CO	3rd SS
30025452000000	LEA 7 FEDERAL COM 30H	CIMAREX ENERGY CO	3rd SS
30025452100000	LEA UNIT 065H	LEGACY RESERVES OPERATING LP	3rd SS
30025454380000	AIRSTRIP 31-18S-35E RN STATE COM	MATADOR PRODUCTION CO	3rd SS
30025458960000	ANCHOR 19 35 33 STATE 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025461400000	CABLE 19 35 9 STATE COM 001H	FRANKLIN MOUNTAIN ENERGY 3 LLC	3rd SS
30025467680000	HEREFORD 29-20 W1OB FED COM 001H	MEWBOURNE OIL CO	3rd SS
30025468030000	SANTA VACA 19-18 B3MD STATE COM	MEWBOURNE OIL CO	3rd SS

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Received by OCD: 8/2/2023 8:41:24 PM

3rd SS Wolfcamp API List

Exhibit D-2

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

Released to Imaging: 8/3/2023 10:37:08 AM

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-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.

EXHIBIT
E

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

8/2/2023

Date Signed

ABADIE | SCHILL PC

For the Pursuit *of* Energy

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Nebraska
Montana
Oklahoma
New Mexico
Texas
Kansas
Wyoming
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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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 Pre-hearing 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.

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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 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.

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,

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Darin C. Savage

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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,

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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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June 14, 2023

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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,

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June 14, 2023

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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,

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Darin C. Savage

Attorney for Cimarex Energy Co.

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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
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
214 McKenzie Street, Santa Fe, New Mexico, 87501
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 Pre-hearing 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 | SCHILL PC

For the Pursuit *of* Energy

Colorado
Louisiana
Nebraska
Montana
Oklahoma
New Mexico
Texas
Kansas
Wyoming
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
214 McKenzie Street, Santa Fe, New Mexico, 87501
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 Pre-hearing 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 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
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

EXHIBIT
E-2

Mail Activity Report - CertifiedPro.net
Mailed from 6/1/2023 to 6/30/2023
User Name: abadieschill
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USPS Article Number	Ownership	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	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
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 Returned	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

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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
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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
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9314869904300108974498	WI	6/14/23	Avalon Energy Corporation		310 West Wall St.	Suite 305	Midland	TX	79701	Mailed	Return Receipt - Electronic, Certified Mail
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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

UNITED STATES POSTAL SERVICE

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
Address of Recipient:	PO BOX 1090 ROSWELL, NM 88202-1090

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.

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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 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:	Mail Room
Address of Recipient:	400 Pen

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.

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

June 19, 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 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:	R Proctor
Address of Recipient:	300 N Marienfeld

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.

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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:	June 21, 2023, 02:43 p.m.
Location:	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:	Betty Young Betty Young
Address of Recipient:	PO BOX 811 ROSWELL, NM 88202-0811

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

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

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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 9745 80**.

Item Details

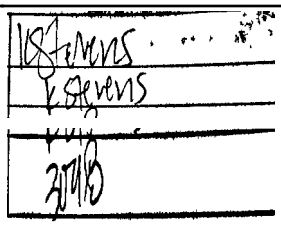
Status:	Delivered, Left with Individual
Status Date / Time:	June 20, 2023, 01:36 p.m.
Location:	MIDLAND, TX 79701
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic
Recipient Name:	Carolyn R Beall

Shipment Details

Weight:	2.0oz

Recipient Signature

Signature of Recipient:



Address of Recipient:

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Sincerely,
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475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

June 19, 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 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.

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

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

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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 9745 42**.

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:	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.

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

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

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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 9745 35**.

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:

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.

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

June 19, 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 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)	[illegible]
Address of Recipient:	1775 Sherman-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.

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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 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:	[illegible] HP
Address of Recipient:	203 W Wall 1000

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

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475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

June 19, 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 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 220
City, State ZIP Code:	DENVER, CO 80203-1254

Recipient Signature

Signature of Recipient:	USPS 344
Address of Recipient:	MAIL BOX

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

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Sincerely,
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475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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:	VA Veronica Soto
Address of Recipient:	176

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.

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

June 19, 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 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

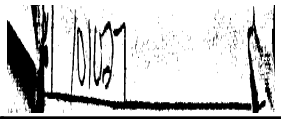
Shipment Details

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.

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

June 19, 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 50**.

Item Details

Status:	Delivered, Left with Individual
Status 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

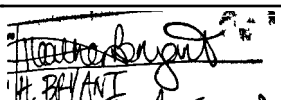
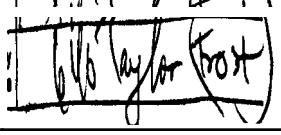
Shipment Details

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:	

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

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Washington, D.C. 20260-0004

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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 9744 43**.

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:	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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Washington, D.C. 20260-0004

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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:	J. Garcia T Garcia
Address of Recipient:	301 Main 2400

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

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Washington, D.C. 20260-0004

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

June 19, 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 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:	R Proctor
Address of Recipient:	300 N Marienfeld

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

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475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

June 19, 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 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

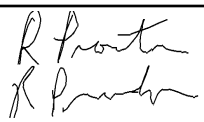
Shipment Details

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:	

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.

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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:	Barbara Bailey BARBARA BAILEY
Address of Recipient:	PO BOX 3171

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.

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

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 9743 51**.

Item Details

Status:	Delivered, Left with Individual
Status Date / Time:	June 20, 2023, 02:16 p.m.
Location:	HOBBS, NM 88240
Postal 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.

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Washington, D.C. 20260-0004

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

Reference Number: 4207.25

UNITED STATES POSTAL SERVICE

June 19, 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 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,
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Washington, D.C. 20260-0004

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

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

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 9842 68**.

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:	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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Washington, D.C. 20260-0004

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

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

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 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:

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.

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

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

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

June 19, 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 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)	[illegible]
Address of Recipient:	1775 Sherman -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.

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

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 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:	[illegible]
Address of Recipient:	203 W Wall 1000

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

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475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

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

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

June 19, 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 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 220
City, State ZIP Code:	DENVER, CO 80203-1254

Recipient Signature

Signature of Recipient:	USPS 344
Address of Recipient:	Mail Box

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.

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

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:	VA Veronica Soto
Address of Recipient:	176

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,
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475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

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

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

June 19, 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 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

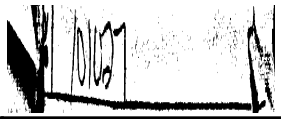
Shipment Details

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.

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

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

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

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

June 19, 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 83**.

Item Details

Status:	Delivered, Left with Individual
Status 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

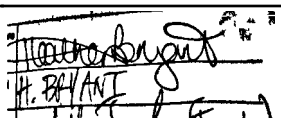
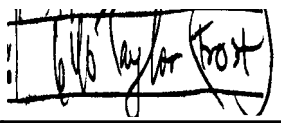
Shipment Details

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:	

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.

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

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:	Delivered, Front Desk/Reception/Mail Room
Status Date / Time:	June 20, 2023, 01:07 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.

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

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

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

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

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 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:	J. Garcia T Garcia
Address of Recipient:	301 Main 2400

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.

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

June 19, 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 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:	R Proctor
Address of Recipient:	300 N Marienfeld

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.

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

June 19, 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 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

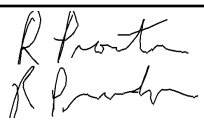
Shipment Details

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.

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

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:	Barbara Bailey BARBARA BAILEY
Address of Recipient:	PO BOX 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.

Reference Number: 4207.27

UNITED STATES POSTAL SERVICE

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 88240
Postal 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.

Reference Number: 4207.27

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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

Beginning with the issue dated
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 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; UNION HILL OIL & GAS CO. INC.; HIGHLAND (TEXAS) ENERGY COMPANY; RICHARDSON OIL COMPANY, LLC; CAROLYN R. BEALL; DIAMOND STAR PRODUCTION CO., LLC; TIERRA ENCANTADA, LLC AND DAVID LUNA -- 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.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 320.01-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.
#00279688

67115820 00279688

DAVID SESSIONS
ABADIE SCHILL
555 RIVERGATE LANE 84-180
DURANGO, CO 81301

EXHIBIT
E-3

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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

Beginning with the issue dated
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

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 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; 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 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.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

67115820 00279695

DAVID SESSIONS
ABADIE SCHILL
555 RIVERGATE LANE 84-180
DURANGO, CO 81301

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

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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

Beginning with the issue dated
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; 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 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 320.06-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 containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is 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. 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.
#00279696

67115820 00279696

DAVID SESSIONS
ABADIE SCHILL
555 RIVERGATE LANE 84-180
DURANGO, CO 81301

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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

Beginning with the issue dated
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. 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; 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. 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 rumote 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 320.09-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.
#00279701

67115820 00279701

DAVID SESSIONS
ABADIE SCHILL
555 RIVERGATE LANE 84-180
DURANGO, CO 81301

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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

Beginning with the issue dated
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 # 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 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. 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.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 320.21-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. 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 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 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.
#00279683

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DAVID SESSIONS
ABADIE SCHILL
555 RIVERGATE LANE 84-180
DURANGO, CO 81301

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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

Beginning with the issue dated
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

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 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.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 320.44-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.
#00279684

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DAVID SESSIONS
ABADIE SCHILL
555 RIVERGATE LANE 84-180
DURANGO, CO 81301

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COUNTY OF LEA

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(Seal)

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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 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. 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.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 320.66-acre, more or less, horizontal 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 containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is 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 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.
#00279685

67115820 00279685

DAVID SESSIONS
ABADIE SCHILL
555 RIVERGATE LANE 84-180
DURANGO, CO 81301

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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STATE OF NEW MEXICO
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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. 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.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 320.89-acre, more or less, horizontal 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 containing correction lots. The proposed well to be dedicated to the horizontal spacing unit is 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 South, Range 34 East, NMPM. The well will be orthodox, and the take points and completed intervals 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.
#00279686

67115820 00279686

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