



September 28, 2021

Oil Conservation Division
Attn: Dean McClure
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Application for Surface Commingle:

Raider Fed Com 502H	Raider Fed Com 701H
API# 30-025-46300	API# 30-025-46427
Sec 21, T24S, R34E, Unit P	Sec 21, T24S, R34E, Unit O
300' FSL & 1040' FEL	300' FSL & 1730' FEL
Red Hills; Bone Spring	Antelope Ridge; Wolfcamp
Lea County, New Mexico	Lea County, New Mexico

Dean McClure,

Centennial Resource Production, LLC respectfully requests approval to Surface commingle our Raider Fed Com 502H and 701H wells into a central tank battery and a Pool commingle. They both have their own separators. Please see the attached detailed description.

I have attached a facility diagram, C102's, Map, C107B, Admin checklist and notice info. If you need additional information, please give me a call at 720-499-1537.

Sincerely,

A handwritten signature in blue ink, appearing to read "K. Schlichting".

Kanicia Schlichting
Sr. Regulatory Analyst
Kanicia.schlichting@cdevinc.com

Centennial Resource Production, LLC | 1001 Seventeenth Street, Suite 1800, Denver, Colorado 80202

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: _____ OGRID Number: _____
 Well Name: _____ API: _____
 Pool: _____ Pool Code: _____

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
 A. Location – Spacing Unit – Simultaneous Dedication
 NSL NSP (PROJECT AREA) NSP (PRORATION UNIT) SD
- B. Check one only for [I] or [II]
 [I] Commingling – Storage – Measurement
 DHC CTB PLC PC OLS OLM
 [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
 A. Offset operators or lease holders
 B. Royalty, overriding royalty owners, revenue owners
 C. Application requires published notice
 D. Notification and/or concurrent approval by SLO
 E. Notification and/or concurrent approval by BLM
 F. Surface owner
 G. For all of the above, proof of notification or publication is attached, and/or,
 H. No notice required

<u>FOR OCD ONLY</u>	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

 Print or Type Name

Date



 Signature

Phone Number

e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-B
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Submit the original
application to the Santa Fe
office with one copy to the
appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: Centennial Resource Production, LLC
OPERATOR ADDRESS: 1001 17th Street, Suite 1800, Denver, CO 80202
APPLICATION TYPE:

[X] Pool Commingling [X] Lease Commingling [] Pool and Lease Commingling [] Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: [] Fee [X] State [] Federal

Is this an Amendment to existing Order? [] Yes [X] No If "Yes", please include the appropriate Order No.
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
[] Yes [X] No

(A) POOL COMMINGLING
Please attach sheets with the following information

Table with 5 columns: (1) Pool Names and Codes, Gravities / BTU of Non-Commingled Production, Calculated Gravities / BTU of Commingled Production, Calculated Value of Commingled Production, Volumes. Includes entries for Red Hills; Bone Spring 96434 and Antelope Ridge; Wolfcamp 2220.

- (2) Are any wells producing at top allowables? [] Yes [X] No
(3) Has all interest owners been notified by certified mail of the proposed commingling? [X] Yes [] No.
(4) Measurement type: [X] Metering [] Other (Specify)
(5) Will commingling decrease the value of production? [] Yes [X] No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING
Please attach sheets with the following information

- (1) Pool Name and Code. Red Hills; Bone Spring 96434, Antelope Ridge; Wolfcamp 2220
(2) Is all production from same source of supply? [X] Yes [] No
(3) Has all interest owners been notified by certified mail of the proposed commingling? [X] Yes [] No
(4) Measurement type: [X] Metering [] Other (Specify)

(C) POOL and LEASE COMMINGLING
Please attach sheets with the following information

- (1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT
Please attached sheets with the following information

- (1) Is all production from same source of supply? [] Yes [] No
(2) Include proof of notice to all interest owners.

(E) ADDITIONAL INFORMATION (for all application types)
Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.
(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: [Signature] TITLE: Sr. Regulatory Analyst DATE: 9/27/21
TYPE OR PRINT NAME Kanicia Schlichting TELEPHONE NO.: 720-499-1537
E-MAIL ADDRESS: kanicia.schlichting@cdevinc.com

APPLICATION FOR SURFACE POOL/LEASE COMMINGLING

Centennial Resource Production, LLC ("CRP") respectfully requests approval to surface pool/lease commingle oil & gas from the following wells:

GENERAL INFORMATION:

	API	WELL NAME	WELL #	LOCATION	POOL CODE/NAME	LEASE/CA NUMBER	PRODUCTION TYPE	FEDERAL ROYALTY RATE
1	30-025-46300	RAIDER FEDERAL COM	502H	21-24S-34E	[96434] Red Hills; Bone Spring, North	NMNM126971 CA Pending	Oil & Gas	12.5%
2	30-025-46427	RAIDER FEDERAL COM	701H	21-24S-34E	[2220] Antelope Ridge; Wolfcamp	NMNM126971 CA Pending	Oil & Gas	12.5%

This commingling will follow under the following section of 43 CFR 3173.14 (a)(1)(iii) they are applying for approval under:

(1) The proposed commingling includes production from more than one:

(iii) Federal unit PA or CA where each unit PA or CA proposed for commingling has the same proportion of Federal interest, and which interest is subject to the same fixed royalty rate and revenue distribution. (For example, the BLM could approve a commingling request under this paragraph where an operator proposes to commingle two Federal CAs of mixed ownership and both CAs are 50 percent Federal/50 percent private, so long as the Federal interests have the same royalty rates and royalty distributions.); or

In addition to the Sundry Notice (Form 3160-5), the operator must submit the following information with the sundry.

A statement that the CAA will not negatively affect the royalty revenue of the federal government: **Centennial Resource Production, LLC statement: Application to commingle production from the Raider Federal Com #701H and the Raider Federal Com #502H. The approval of this commingling application will not negatively affect the royalty revenue of the federal government due to the allocation methodology described in the application. The interest owned by the federal government in each of these wells is identical. The approval of this application will also provide for reduced surface disturbance in this development area.**

1. A list of all Federal or Indian lease, unit PA, or CA numbers in the proposed Commingling and Allocation Approval (CAA). This list should include:
 - a. The specific type of production (oil, gas, or both)
 - b. The royalty rates of the individual leases, unit PAs, or Cas: **Please see table at the top of this page, plus detailed page attached.**
 - i. Please include a printout of the MASS Serial Register Page: **Attached**
2. A proposed allocation agreement (including allocation of produced water) that includes:
 - a. An allocation methodology: **Attached**
 - b. An example of how the methodology is applied (multiple examples may be included to ensure clarity): **Attached**
 - i. Include a step-by-step explanation for all data and calculations used in the applied methodology example (this can be a part of 3(a))
 - c. A statement that any allocation meters (non-FMPs) will meet either FMP regulations or API measurement standards: **Centennial Resource Production, LLC statement: Our meters will meet API Standard 14.3/AGA Report No 3 or Onshore API standard 18.2.**
 - i. Please include relevant regulation or standard numbers
 - d. A copy of the agreement signed by each operator of each of the leases, unit PAs, or CAs from which production would be included in the CAA (if more than one operator is involved): **N/A**

3. A topographic map of appropriate scale (multiple maps may be included to ensure clarity) that includes:
Attached
 - a. The boundaries of all the leases, unit PAs, or CAs that are proposed for the CAA
 - b. The location of all existing or planned facilities
 - c. The location of all wells (including API numbers) that are in the proposed CAA
 - d. Any piping that will be included in the CAA
 - e. The location of all existing or proposed FMPs
4. A statement that all leases, unit PAs, or CAs in the proposed CAA are capable of production in paying quantities and documentation to prove the statement.
 - a. "Production in paying quantities" is defined as 1bbl/day of oil or 10 Mcf/day of gas
 - i. A three consecutive day well test can be used to prove production in paying quantities:
Centennial Resource Production, LLC statement: The CAs in the proposed CAA are capable of production in paying quantities.
5. Gas analysis (not required if the operator is applying for a CAA under 3173.14(a)(1)) that includes: **Attached**
 - a. Btu content : **Attached**
 - b. All oil gravities: **Attached**
6. A statement on whether the location of the FMP is on lease or off lease. If the FMP is off lease, the operator must submit: **Centennial Resource Production, LLC statement: Raider Fed Com 701H FMP is off lease.**
 - a. A justification for off lease measurement (OLM): **Centennial Resource Production, LLC statement: We are requesting OLM for our Raider Fed Com 701H because the FMP is off the 502H's CA. The facility is located at the Raider Federal Com 502H. There will be no additional surface disturbance.**
7. A statement on whether any new surface disturbance is included as part of the proposed CAA (proposed FMP, associated facilities, etc.). If new surface disturbance is part of the proposal, a surface disturbance sundry must be submitted with a surface use plan of operations
8. Any additional documentation that would be required under 3174.15 (f—i) relating to surface use or right of way grant applications

If an operator submits a sundry that does not include any of the required information, the sundry will be returned. Due to system limitations, documentation cannot be added after the sundry has been submitted.

Any of the information in this guide is subject to change based on guidance from the BLM National Office, BLM New Mexico State Office, or other factors.

APPLICATION FOR SURFACE POOL/LEASE COMMINGLING

Centennial Resource Production, LLC ("CRP") respectfully requests approval to surface pool/lease commingle oil & gas from the following wells:

GENERAL INFORMATION:

- Federal lease NMNM-126971 covers 240 acres, including the NE/4, W/2 SE/4 of Section 21, T24S-R34E, Lea County, New Mexico and has a base lease royalty of 12.5%.
- The W/2 E/2 from NMNM-126971 and the State of New Mexico lease VB-1179 in the W/2 E/2 of Section 16-24S-34E will be communitized for the Bone Spring formation for the Raider Federal Com #502H. A Fed form of communitization will be submitted to the Bureau of Land Management for approval.
- The W/2 E/2 from NMNM-126971 and the State of New Mexico lease VB-1179 in the W/2 E/2 of Section 16-24S-34E will be communitized for the Wolfcamp formation for the Raider Federal Com #701H. A Fed form of communitization will be submitted to the Bureau of Land Management for approval.
- The central tank battery to service the subject wells is located on Lot P of Section 21-24S-34E on fee surface.
- Federal ownership in the two overlapping spacing units is identical.
- Enclosed herewith is a map that displays the leases, the location of the subject wells, and the CTB, and the serial register page for NMNM-126971.

Allocation Methodology Used to Determine Allocated Production and Sales to Each Well

Well Name	Oil Meter	Theoretical % of Production	Allocated Well Production	Available Sales	Theoretical % Available for Sale	Allocated Sales	Beginning Inventory	Ending Inventory
Raider Fed Com 502H	126.73	0.5589	127.848	428.498	0.727834	247.4637	300.65	149.52
Raider Fed Com 701H	100.00	0.4411	100.882	160.232	0.272166	92.53633	59.35	99.21
Facility Totals	226.73	1.00	229	588.730	1	340	360	248.73

CTB Allocated Production	228.73
CTB Available for Sale	588.73
Pipeline LACT (FMP)	340
Beginning Inventory	360
Ending Inventory	248.73

Oil Meter	Measures volume of oil from the separator on each individual well used as basis for prorating CTB Allocated Production and Ending Tank Inventory to each well
Theoretical % of Production	Theoretical % is calculated by dividing Oil Meter volume for each well into sum of oil meters from the CTB
Allocated Well Production	Volume of CTB Allocated Production to each well, Theoretical % * CTB Allocated Production
Available Sales	Volume of CTB Available for Sale oil allocated to each well, (Allocated Well Production + Beginning Tank Inventory)
Theoretical % Available for Sale	Allocation % of available sales for each well, Available Sales / CTB available for sale
Allocated Sales	Pipeline LACT (FMP) allocated to each well based on theoretical % of available for sale
Beginning Inventory	Inventory from previous accounting period's calculate ending inventories
Ending Inventory	Theoretical % of production multiplied by combined volume from the oil tanks at CTB for each well.

Allocation Methodology Used to Determine Allocated Production and Sales to Each Well

Well Name	WH Meter ID	Wellhead Meter Readings	Gas Lift Meter ID	Gas Lift Meter Readings	Net Well Production	Hours On	Theoretical %	CTB FC Meter (Royalty FMP)	HP Flare	Lease Use	VRU	Allocated Production	Total Net FMP Volumes
Raider Fed Com 502H	XXXXXXXX	614.44	XXXXXXXX	486.00	128.440	24	0.331	306.65	3.31	0.50	5.59	316.054201	
Raider Fed Com 701H	XXXXXXXX	259.12	XXXXXXXX	0.00	259.120	24	0.669	618.65	6.69	0.50	4.41	630.245799	
Facility Totals		873.56		486.00	387.560	48	1.000	925.30	10.00	1.00	10.00	946.3	935.30

CTB Meter Name	Meter ID	Meter Readings
FC Meter (FMP)	XXXXXXXX	925.3
BB Meter (FMP)	XXXXXXXX	0
HP Flare Meter	XXXXXXXX	10
VRU	XXXXXXXX	10
Lease Use Equipment	XXXXXXXX	1.0
GL Compressor	XXXXXXXX	486.00
Allocated Production		946.3
Total Net FMP Volumes		935.3

WH Meter ID	Unique number assigned to each meter used in measurement of gas from CTB
Wellhead Meter Readings	Measure the gas from the seapartor on each individual well
Gas Lift Meter ID	Unique number assigned to each meter used in measurement of gas from CTB
Gas Lift Meter Readings	Measures the volume of gas that was injected into the well for gas lift
Net Well Production	Formula to calculate the volume of native gas the well produced (WH-GL)
Hours On	Number of hours well is producing, used in the allocation of Lease Use volume
Theoretical %	Allocation % calculated by Net Well Production for each well/total Net Well Production for CTB
CTB FC Meter (Royalty FMP)	Facility check meter, term used for meter that measures the volume of gas that leaves the CTB, considered the FMP of the CTB
HP Flare	Measures the high pressure flare volumes from CTB
Lease Use	Volume of gas used by the equipment on the CTB allocated to the wells by Lease Use volume/total hours produced by all wells on CTB * each well's Hours On
VRU	Measures the gas from the oil tanks, allocation based on allocated oil production for each well, VRU meter is an FMP, volume is part of royalty
Allocated Production	Total production from CTB calculated by Net CTB gas + HP Flare + Lease Use + VRU
Total Net FMP Volumes	Total volume sold by CTB calculated by Net CTB Gas + VRU

Allocation Methodology Used to Determine Allocated Production and Sales to Each Well

Well Name	Water Meter	Theoretical % of Production	Allocated Well Production	Available to Transfer	Theoretical % Available for Sale	Allocated Water Transfers	Beginning Inventory	Ending Inventory
Raider Fed Com 502H	216.00	0.1776	216.00	222.50	0.1805	215.10	6.50	4.32
Raider Fed Com 701H	1,000.00	0.8224	1,000.00	1,010.20	0.8195	976.58	10.20	20.00
Facility Totals:	1,216.00	1.0000	1,216.00	1,232.70	1.0000	1,191.68	16.70	24.32

CTB Allocated Production	1,199.30
CTB Available for Transfer	1,182.60
Water Transfer Meter	1,191.68
Beginning Tank Inventory	16.70
Ending Tank Inventory	24.32

Water Meter	Measures volume of water from the separator on each individual well used as basis for prorating CTB Allocated Production and Ending Tank Inventory to each well
Theoretical % of Production	Theoretical % is calculated by dividing Water Meter volume for each well into sum of water meters from CTB
Allocated Well Production	Volume of CTB Allocated Production to each well, Theoretical % * CTB Allocated Production
Available to Transfer	Volume of CTB Available for Transfer, water allocated to each well (Allocated Well Production + Beginning Inventory)
Theoretical % Available for Sale	Allocation % of available transfer for each well, Available to Transfer / CTB Available for Transfer
Allocated Water Transfers	Water Transfer Meter allocated to each well based on theoretical % of available for transfer
Beginning Inventory	Inventory from previous accounting period's calculate ending inventories
Ending Inventory	Theoretical % of production multiplied by combined volume from the oil tanks at CTB for each well.

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

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46300		² Pool Code 96434		³ Pool Name Red Hills: Bone Spring, North	
⁴ Property Code 318010		⁵ Property Name RAIDER FEDERAL COM			⁶ Well Number #502H
⁷ OGRID No. 372165		⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC			⁹ Elevation 3497.5'

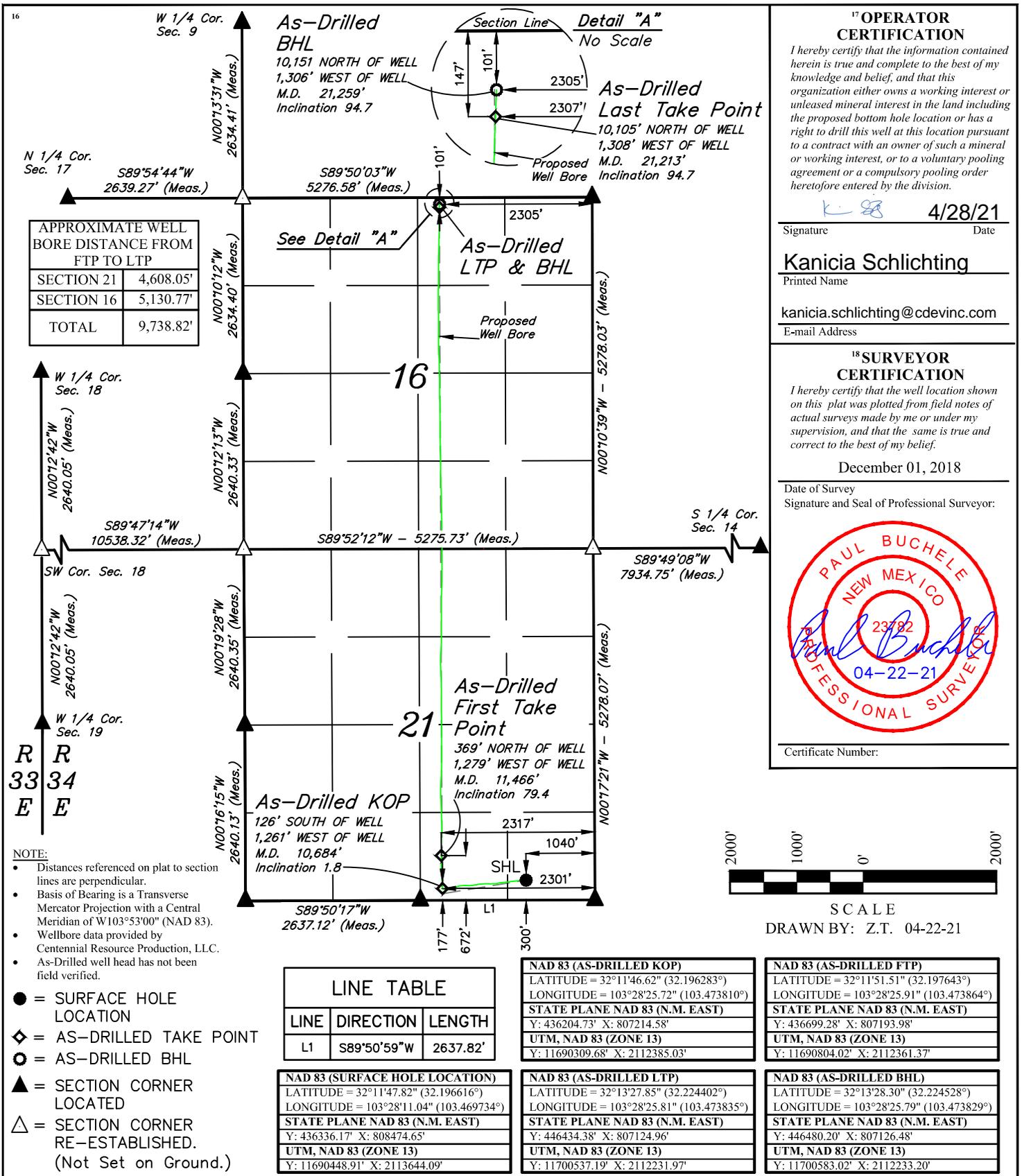
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	21	24S	34E		300	SOUTH	1040	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	16	24S	34E		101	NORTH	2305	EAST	LEA
¹² Dedicated Acres 640		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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



¹⁷ OPERATOR CERTIFICATION

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

K. Schlichting 4/28/21
Signature Date

Kanicia Schlichting
Printed Name

kanicia.schlichting@cdevinc.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.

December 01, 2018
Date of Survey

Signature and Seal of Professional Surveyor:
Paul Buchele

PAUL BUCHELE
NEW MEXICO
23782
04-22-21
PROFESSIONAL SURVEYOR

Certificate Number:

- NOTE:
- Distances referenced on plat to section lines are perpendicular.
 - Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83).
 - Wellbore data provided by Centennial Resource Production, LLC.
 - As-Drilled well head has not been field verified.

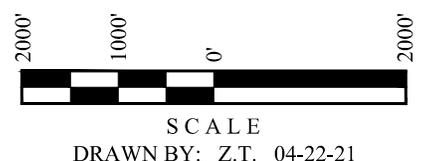
- = SURFACE HOLE LOCATION
- ◆ = AS-DRILLED TAKE POINT
- = AS-DRILLED BHL
- ▲ = SECTION CORNER LOCATED
- △ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

LINE TABLE

LINE	DIRECTION	LENGTH
L1	S89°50'59"W	2637.82'

NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°11'47.82" (32.196616°) LONGITUDE = 103°28'11.04" (103.469734°) STATE PLANE NAD 83 (N.M. EAST) Y: 436336.17' X: 808474.65' UTM, NAD 83 (ZONE 13) Y: 11690448.91' X: 2113644.09'	NAD 83 (AS-DRILLED LTP) LATITUDE = 32°13'27.85" (32.224402°) LONGITUDE = 103°28'25.81" (103.473835°) STATE PLANE NAD 83 (N.M. EAST) Y: 446434.38' X: 807124.96' UTM, NAD 83 (ZONE 13) Y: 11700537.19' X: 2112231.97'	NAD 83 (AS-DRILLED BHL) LATITUDE = 32°13'28.30" (32.224528°) LONGITUDE = 103°28'25.79" (103.473829°) STATE PLANE NAD 83 (N.M. EAST) Y: 446480.20' X: 807126.48' UTM, NAD 83 (ZONE 13) Y: 11700583.02' X: 2112233.20'
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NAD 83 (AS-DRILLED KOP) LATITUDE = 32°11'46.62" (32.196283°) LONGITUDE = 103°28'25.72" (103.473810°) STATE PLANE NAD 83 (N.M. EAST) Y: 436204.73' X: 807214.58' UTM, NAD 83 (ZONE 13) Y: 11690309.68' X: 2112385.03'	NAD 83 (AS-DRILLED FTP) LATITUDE = 32°11'51.51" (32.197643°) LONGITUDE = 103°28'25.91" (103.473864°) STATE PLANE NAD 83 (N.M. EAST) Y: 436699.28' X: 807193.98' UTM, NAD 83 (ZONE 13) Y: 11690804.02' X: 2112361.37'
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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Phone: (575) 748-1283 Fax: (575) 748-9720
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46427	² Pool Code 2220	³ Pool Name Antelope Ridge; WC
⁴ Property Code 318010	⁵ Property Name RAIDER FEDERAL COM	⁶ Well Number #701H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3498.4'

¹⁰ Surface Location

UL or lot no. O	Section 21	Township 24S	Range 34E	Lot Idn	Feet from the 300	North/South line SOUTH	Feet from the 1730	East/West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. B	Section 16	Township 24S	Range 34E	Lot Idn	Feet from the 427	North/South line NORTH	Feet from the 1984	East/West line EAST	County LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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

¹⁶ W 1/4 Cor. Sec. 9

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP

SECTION 16	4,804.11'
SECTION 21	4,656.81'
TOTAL	9,460.92'

LINE TABLE

LINE	DIRECTION	LENGTH
L1	S89°50'59"W	2637.82'

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- Well Bore data provided by Centennial Resource Production, LLC.
- As-Drilled well head has not been field verified.

See Detail "A"

Proposed Well Bore

As-Drilled First Take Point
325' NORTH OF WELL
302' WEST OF WELL
M.D. 12,527'
Inclination 80.0

As-Drilled Kick Off Point
200 SOUTH OF WELL
303' WEST OF WELL
M.D. 11,701'
Inclination 3.9

As-Drilled Bottom Hole Location
9,827' NORTH OF WELL
295' WEST OF WELL
M.D. 22,040'
Inclination 93.4

As-Drilled Last Take Point
9,780' NORTH OF WELL
296' WEST OF WELL
M.D. 21,993'
Inclination 93.4

Detail "A"
No Scale

SCALE
DRAWN BY: R.J. 04-15-21

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.

K. Schlichting 4/20/21
Signature Date

Kanicia Schlichting
Printed Name

kanicia.schlichting@cdevinc.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.

JULY 03, 2018
Date of Survey

Signature and Seal of Professional Surveyor:
Paul Buchele

PAUL BUCHELE
NEW MEXICO
23782
PROFESSIONAL SURVEYOR
04-15-21

Certificate Number:

● = SURFACE HOLE LOCATION
◆ = AS-DRILLED FTP/LTP
○ = AS-DRILLED BHL
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED.
(Not Set on Ground.)

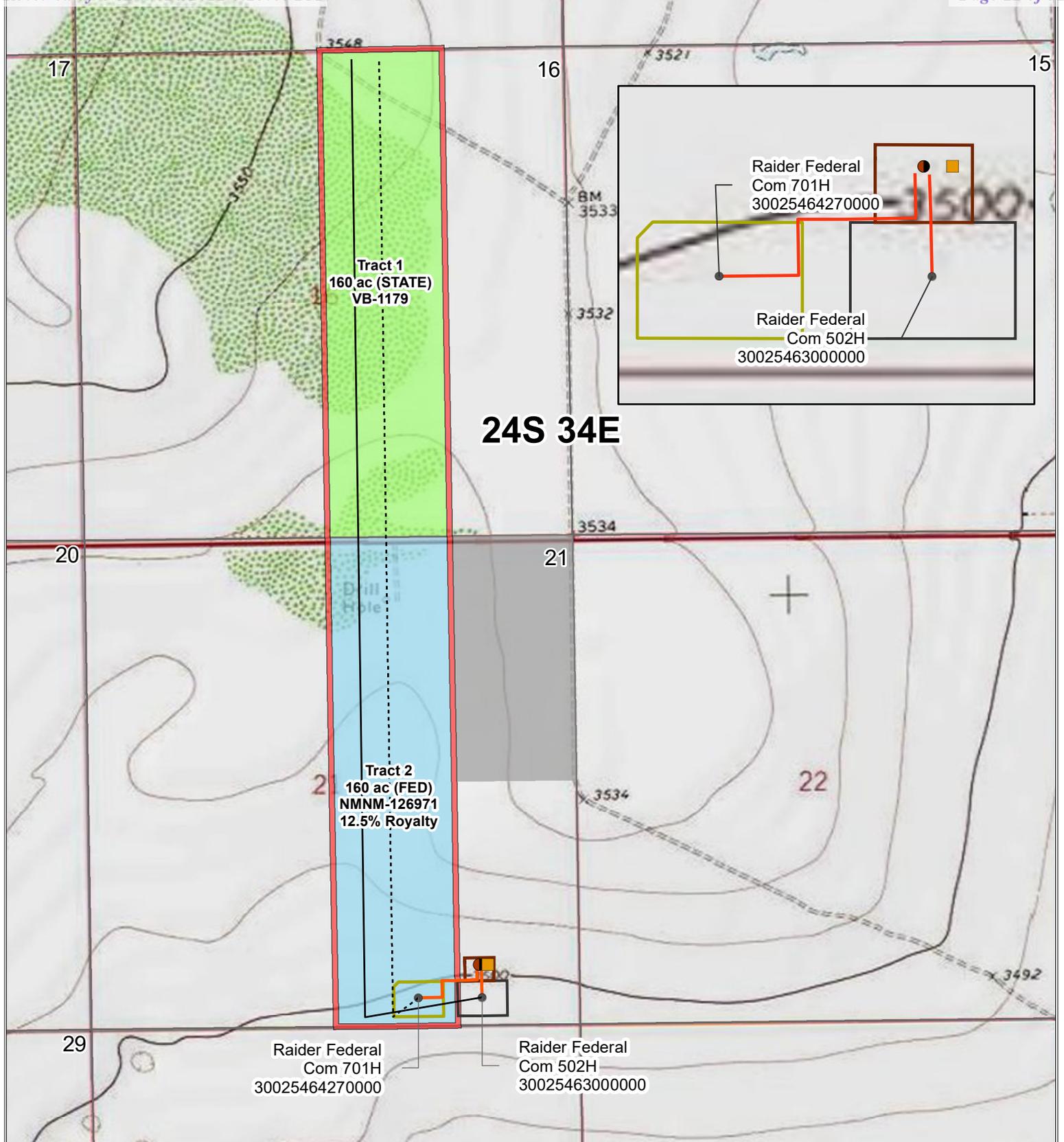
NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°11'47.83" (32.196619°)
LONGITUDE = 103°28'19.07" (103.471964°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 436331.42' X: 807784.84'
UTM, NAD 83 (ZONE 13)
Y: 11690439.89' X: 2112954.42'

NAD 83 (AS-DRILLED FTP)
LATITUDE = 32°11'51.05" (32.197514°)
LONGITUDE = 103°28'22.57" (103.472936°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 436654.78' X: 807481.41'
UTM, NAD 83 (ZONE 13)
Y: 11690761.32' X: 2112649.03'

NAD 83 (KOP)
LATITUDE = 32°11'45.86" (32.196073°)
LONGITUDE = 103°28'22.61" (103.472947°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 436130.40' X: 807482.30'
UTM, NAD 83 (ZONE 13)
Y: 11690237.02' X: 2112653.16'

NAD 83 (AS-DRILLED LTP)
LATITUDE = 32°13'24.60" (32.223501°)
LONGITUDE = 103°28'22.08" (103.472801°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 446109.02' X: 807447.64'
UTM, NAD 83 (ZONE 13)
Y: 11700213.89' X: 2112556.61'

NAD 83 (AS-DRILLED BHL)
LATITUDE = 32°13'25.07" (32.223630°)
LONGITUDE = 103°28'22.06" (103.472794°)
STATE PLANE NAD 83 (N.M. EAST)
Y: 446155.91' X: 807449.16'
UTM, NAD 83 (ZONE 13)
Y: 11700260.78' X: 2112557.85'



CENTENNIAL
RESOURCE DEVELOPMENT, LLC

Raider Fed Com 502H / 701H Commingle Map

A: thomas.douglass	D: 3/4/2021
0 320 640 1,280 Feet	



Serial Register Page

Feb 11, 2021

01 12-22-1987;101STAT1330;30USC181 ET SE

Case Type: O&g lse comp pd -1987

Serial Number: NMNM 126971

Commodity: Oil & gas

Acres: 240.000

Disposition: Authorized

Lessee

<u>Owner Name</u>	<u>Street</u>	<u>City</u>	<u>State</u>	<u>Zip</u>	<u>Net Acres</u>	<u>%Int</u>
CENTENNIAL RESOURCES PRODUCTION LLC	1001 17TH ST STE 1800	DENVER	CO	80202-2058	240.000	100.00

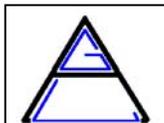
Meridian:	New Mex	State:	NM	County:	Lea
Township:	24 S	Range:	34 E	Admin Agency	
Section:	21		NE,W2SE;	BUREAU OF LAND MGMT	

<u>Code</u>	<u>Action</u>	<u>Date</u>	<u>Remarks</u>
387	Case established	7/19/2011	201107010;
143	Bonus bid payment recd	7/20/2011	\$480.00;
191	Sale held	7/20/2011	
267	Bid received	7/20/2011	\$816000.00;
143	Bonus bid payment recd	8/2/2011	\$815520.00;
237	Lease issued	8/18/2011	
974	Automated record verif	8/18/2011	MV
496	Fund code	9/1/2011	05;145003
530	Rlty rate - 12 1/2%	9/1/2011	
868	Effective date	9/1/2011	
140	Asgn filed	11/7/2011	MILES RON/GMT EXPLO;1
139	Asgn approved	12/22/2011	EFF 12/01/11;
974	Automated record verif	12/22/2011	MJD
899	Trf of orr filed	4/7/2015	1
140	Asgn filed	7/13/2017	GMT EXPLO/CENTENNIA;1
139	Asgn approved	10/18/2017	EFF 8/1/2017
974	Automated record verif	10/18/2017	KM
246	Lease committed to ca	9/17/2018	NMNM139580;
650	Held by prod - actual	11/8/2018	/1/
658	Memo of 1st prod-actual	11/8/2018	/1/NMNM139580;#101H

<u>Code</u>	<u>Action</u>	<u>Date</u>	<u>Remarks</u>
643	Production determination	4/5/2019	/1/

Remarks

STIPULATIONS ATTACHED TO LEASE:
NM-11-LN SPECIAL CULTURAL RESOURCE
SENM-S-16 RAPTOR NESTS AND HERONRIES
SENM-S-22 PRAIRIE CHICKENS
RENTAL PAID 09/01/2011
RENTAL PAID PER ONRR 9/1/2017



ARMSTRONG GAS LABS, INC.

P.O. Box 988
 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 411044
 Customer: Centennial

<u>Component</u>	<u>Mol. %</u>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>
Nitrogen	2.3496	0.000	0.023	
Methane	74.1056	746.124	0.410	
CO2	2.7692	0.000	0.042	
Ethane	11.2656	198.743	0.117	3.007
H2S	0.0001	0.000	0.000	
Propane	5.7297	143.714	0.087	1.576
Iso-Butane	0.7147	23.169	0.014	0.233
Butane	1.5848	51.539	0.032	0.499
Iso-Pentane	0.3976	15.858	0.010	0.145
Pentane	0.3791	15.149	0.009	0.137
Hexanes C6+	0.7040	35.997	0.023	0.307
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1230.292	0.768	5.904

Producer: Centennial
Well / Sta. Name: Raider 502H FedCom
Sta. No.: 24370
Formation:
Field: New Mexico
County:
API Number: 3002546300
Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 05/06/21
 Date to Lab: 05/06/21
 Date Analyzed: 05/07/21
 Effective Date:
 Sample Press. (PSIG): 112
 Line Press. (PSIG): 112
 Sample Temp. (F): 101
 Fl. Gas Temp. (F): 101
 Amb. Temp. (F): 60
 Del. To:
 Sampled By: JL
 Cylinder No.: AGL-220

Field H2O (#/mm):

Field H2S (PPM): 0.5
 Field H2S (Grains): 0.03

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9962324
 Z Factor (Act.): 0.9962324

Dry BTU w/ H2S: 1234.95
Sat BTU w/ H2S: 1213.81
As Del. BTU w/ H2S: 1234.95

Dry BTU W/O H2S (Real): 1234.95
Sat. BTU W/O H2S (Real): 1213.81
H2O (# / mmcf): 0.0
AS DEL. BTU W/O H2S (Real): 1234.95

BTU Calc: Dry

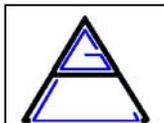
Sp. Gravity (Real): 0.7702
 Field Gravity:
 Lab Gravitometer:

GPM Ethane+ (Real): 5.904
GPM Propane+ (Real): 2.897
GPM IC5+ (Real): 0.589

GPA 2145 / 2172

Fld. Remarks: FLOW RATE 2173.14 / INITIAL FLOW

Lab Remarks:



ARMSTRONG GAS LABS, INC.

P.O. Box 988
 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 311476
 Customer: Centennial

<u>Component</u>	<u>Mol. %</u>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>
Nitrogen	1.4247	0.000	0.014	
Methane	76.5041	770.273	0.424	
CO2	0.1365	0.000	0.002	
Ethane	12.5324	221.092	0.130	3.345
H2S	0.0000	0.000	0.000	
Propane	5.7867	145.143	0.088	1.591
Iso-Butane	0.6308	20.449	0.013	0.206
Butane	1.6584	53.933	0.033	0.522
Iso-Pentane	0.3292	13.130	0.008	0.120
Pentane	0.3888	15.537	0.010	0.141
Hexanes C6+	0.6084	31.108	0.020	0.265
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1270.665	0.741	6.190

Producer: Centennial
Well / Sta. Name: Raider 701H FedCom
Sta. No.: 24869
Formation:
Field: New Mexico
County:
API Number: 3002546427

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 05/06/21
 Date to Lab: 05/06/21
 Date Analyzed: 05/10/21
 Effective Date:

Sample Press. (PSIG): 112
 Line Press. (PSIG): 112
 Sample Temp. (F): 100
 Fl. Gas Temp. (F): 100
 Amb. Temp. (F): 60

Del. To:
 Sampled By: JL
 Cylinder No.: AGL-704

Field H2O (#/mm):

Field H2S (PPM): 0.0
 Field H2S (Grains): 0.0

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9962668
 Z Factor (Act.): 0.9962668

Dry BTU w/ H2S: 1275.43
Sat BTU w/ H2S: 1253.60
As Del. BTU w/ H2S: 1275.43

Dry BTU W/O H2S (Real): 1275.43
Sat. BTU W/O H2S (Real): 1253.60
H2O (# / mmcf): 0.0
AS DEL. BTU W/O H2S (Real): 1275.43

BTU Calc: Dry

Sp. Gravity (Real): 0.7437
 Field Gravity:
 Lab Gravitometer:

GPM Ethane+ (Real): 6.190
GPM Propane+ (Real): 2.845
GPM IC5+ (Real): 0.526

GPA 2145 / 2172

Fld. Remarks: TAG: INITIAL FLOW

Lab Remarks: FLOW RATE 2513

Production Summary Report											
API: 30-025-46300											
RAIDER FEDERAL COM #502H											
Printed On: Monday, September 27 2021											
		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2021	[96434] RED HILLS;BONE SPRING, NORTH	Apr	625	734	3815	1	0	0	0	0	0
2021	[96434] RED HILLS;BONE SPRING, NORTH	May	33004	43738	78984	31	0	0	0	0	0
2021	[96434] RED HILLS;BONE SPRING, NORTH	Jun	23656	30486	52733	30	0	0	0	0	0
2021	[96434] RED HILLS;BONE SPRING, NORTH	Jul	26542	27747	54051	27	0	0	0	0	0

Production Summary Report API: 30-025-46427 RAIDER FEDERAL COM #701H Printed On: Monday, September 27 2021											
		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2021	[2220] ANTELOPE RIDGE;WOLFCAMP	Apr	13456	25720	62888	11	0	0	0	0	0
2021	[2220] ANTELOPE RIDGE;WOLFCAMP	May	37643	55102	69421	31	0	0	0	0	0
2021	[2220] ANTELOPE RIDGE;WOLFCAMP	Jun	26734	37754	43959	30	0	0	0	0	0
2021	[2220] ANTELOPE RIDGE;WOLFCAMP	Jul	17092	36469	27882	31	0	0	0	0	0

LEGAL NOTICE
September 16, 2021

Centennial Resource Production, LLC is applying to surface and pool commingle two wells to a central tank battery in Lea County, New Mexico. The central tank battery will be located at the Raider Federal Com 502H well pad. The two wells, details and locations are the following:

Raider Fed Com 502H located in the southeast quarter of section 21, T24S, R34E, Unit P, 300 FSL & 1040 FEL, Red Hills; Bone Spring, North.

Raider Fed Com 701H located in the southeast quarter of section 21, T24S, R34E, Unit O, 300 FSL & 1730 FEL, Antelope Ridge; WC.

Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505, within 20 days. Additional information can be obtained by contacting Sarah Ferreyros, Centennial Resource Production, LLC, 1001 17th Street, Suite 1800, Denver, CO 80202. Phone number is 720-499-1454.

#36862



September 28, 2021

GMT New Mexico Royalty Company, LLC
1560 Broadway, suite 2000
Denver, CO 80202

Certified Mail Article Number: 7020 0640 0000 9808 8589

Re: Notice of Surface and Pool Commingle Application for the following wells:

Raider Fed Com 502H	Raider Fed Com 701H
API# 30-025-46300	API# 30-025-46427
Sec 21, T24S, R34E, Unit P	Sec 21, T24S, R34E, Unit O
300' FSL & 1040' FEL	300' FSL & 1730' FEL
Red Hills; Bone Spring	Antelope Ridge; Wolfcamp
Lea County, New Mexico	Lea County, New Mexico

To Whom It May Concern,

This letter will serve as notice that Centennial Resource Production, LLC has applied for a permit from the Oil Conservation Division in Santa Fe, NM for Surface/Pool Commingle. Please see attached application.

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. If the Oil Conservation Division determines the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, the telephone number is 505-476-3200.

Sincerely,

A handwritten signature in blue ink, appearing to read "K. Schlichting".

Kanicia Schlichting
Sr. Regulatory Analyst



September 28, 2021

New Mexico State Land Office
310 Old Santa Fe Trail
Santa FE, NM 87501

Certified Mail Article Number: 7020 0640 0000 9808 8596

Re: Notice of Surface and Pool Commingle Application for the following wells:

Raider Fed Com 502H	Raider Fed Com 701H
API# 30-025-46300	API# 30-025-46427
Sec 21, T24S, R34E, Unit P	Sec 21, T24S, R34E, Unit O
300' FSL & 1040' FEL	300' FSL & 1730' FEL
Red Hills; Bone Spring	Antelope Ridge; Wolfcamp
Lea County, New Mexico	Lea County, New Mexico

To Whom It May Concern,

This letter will serve as notice that Centennial Resource Production, LLC has applied for a permit from the Oil Conservation Division in Santa Fe, NM for Surface/Pool Commingle. Please see attached application.

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. If the Oil Conservation Division determines the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, the telephone number is 505-476-3200.

Sincerely,

A handwritten signature in blue ink, appearing to read "K. Schlichting".

Kanicia Schlichting
Sr. Regulatory Analyst

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
RAIDER FEDERAL	701H	3002546427	NMNM126971	NMNM126971	CENTENNIAL
RAIDER FEDERAL	502H	3002546300	NMNM 126971	NMNM 126971	CENTENNIAL

Notice of Intent

Sundry ID: 2658448

Type of Submission: Notice of Intent

Type of Action: Commingling (Surface)

Date Sundry Submitted: 02/23/2022

Time Sundry Submitted: 09:35

Date proposed operation will begin: 04/30/2021

Procedure Description: Centennial Resource Production, LLC requests to surface and pool commingle the Raider Fed Com 502H and 701H wells.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Raider_Fed_Com_502H_701H_Surface_Comingling_App_Final_20220223093429.pdf

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: KATIE BIERSMITH

Signed on: FEB 23, 2022 09:34 AM

Name: CENTENNIAL RESOURCE PRODUCTION LLC

Title: Regulatory Analyst

Street Address: 1001 17th Street, Suite 1800

City: Denver **State:** CO

Phone: (720) 499-1522

Email address: Katie.Biersmith@cdevinc.com

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

CONFIDENTIAL

From: [Engineer, OCD, EMNRD](#)
To: [Katie Biersmith](#)
Cc: [McClure, Dean, EMNRD](#); [Kautz, Paul, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); lisa@rwbyram.com; [Glover, James](#); [Paradis, Kyle O](#); [Walls, Christopher](#); [Dawson, Scott](#)
Subject: Approved Administrative Order PLC-810
Date: Friday, April 15, 2022 10:51:01 AM
Attachments: [PLC810 Order.pdf](#)

NMOCD has issued Administrative Order PLC-810 which authorizes Centennial Resource Production, LLC (372165) to surface commingle or off-lease measure, as applicable, the following wells:

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-025-46300	Raider Federal Com #502H	W/2 E/2	16-24S-34E	96434
		W/2 E/2	21-24S-34E	
30-025-46427	Raider Federal Com #701H	W/2 E/2	16-24S-34E	2220
		W/2 E/2	21-24S-34E	

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure
 Petroleum Engineer, Oil Conservation Division
 New Mexico Energy, Minerals and Natural Resources Department
 (505) 469-8211

From: [Katie Biersmith](#)
To: [McClure, Dean, EMNRD](#)
Subject: [EXTERNAL] RE: -EXTERNAL- surface commingling application PLC-810
Date: Wednesday, April 13, 2022 11:46:24 AM
Attachments: [SUB \(resubmit print rpt\) BLM Commingle App Raider Fed Com 502H_701H.pdf](#)
[Raider CTB 1 Flow Diagram PDF.pdf](#)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

Please find the BLM sundry submittal confirmation attached, along with the facility diagram.

GMT was noticed since they have an ORRI there but there are no others- both the Raider 502H and 701H are 100% Centennial working interest.

Thank you!

Katie Biersmith
Sr. Regulatory Analyst
O: (720) 499-1522
C: (707) 391-3334

From: McClure, Dean, EMNRD <Dean.McClure@state.nm.us>
Sent: Thursday, April 7, 2022 1:37 PM
To: Katie Biersmith <Katie.Biersmith@cdevinc.com>
Subject: -EXTERNAL- surface commingling application PLC-810

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

Ms. Biersmith,

I am reviewing surface commingling application PLC-810 which involves a commingling project that includes the Raider Federal Com 502H Battery and is operated by Centennial Resource Production, LLC (372165).

Please confirm that the BLM has received notification of this application. A print off of the sundry submitted to the BLM will be sufficient.

Please submit a facility diagram.

It appears that only 1 person was notified of this application, please confirm that there are no other working, royalty or overriding royalty interest owners.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department

(505) 469-8211

CAUTION: This email originated from outside of the organization. If it appears to be internal, check directly with assumed source

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

**APPLICATION FOR SURFACE COMMINGLING
SUBMITTED BY CENTENNIAL RESOURCE
PRODUCTION, LLC**

ORDER NO. PLC-810

ORDER

The Director of the New Mexico Oil Conservation Division (“OCD”), having considered the application and the recommendation of the OCD Engineering Bureau, issues the following Order.

FINDINGS OF FACT

1. Centennial Resource Production, LLC (“Applicant”) submitted a complete application to surface commingle the oil and gas production from the pools, leases, and wells identified in Exhibit A (“Application”).
2. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
3. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that the ownership in the pools, leases, and wells to be commingled is identical as defined in 19.15.12.7.B. NMAC.
4. To the extent that ownership is diverse, Applicant provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless of whether they have a right or option to take their interests in kind, and those persons either submitted a written waiver or did not file an objection to the Application.
5. Applicant provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.
6. Applicant certified the commingling of oil and gas production from the pools, leases, and wells will not in reasonable probability reduce the value of the oil and gas production to less than if it had remained segregated.
7. Applicant submitted or intends to submit one or more proposed communitization agreement(s) (“Proposed Agreement(s)”) to the BLM or NMSLO, as applicable, identifying the acreage of each lease to be consolidated into a single pooled area (“Pooled Area”), as described in Exhibit B.

CONCLUSIONS OF LAW

8. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, 19.15.12. NMAC, and 19.15.23. NMAC.

9. Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10.A.(2) NMAC, 19.15.12.10.C.(4)(c) NMAC, and 19.15.12.10.C.(4)(e) NMAC, as applicable.
10. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9.A.(5) NMAC and 19.15.23.9.A.(6) NMAC, as applicable.
11. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.10.B.(1) NMAC or 19.15.12.10.C.(1) NMAC, as applicable.
12. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10.B.(3) NMAC and 19.15.12.10.C.(4)(h) NMAC.
13. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

1. Applicant is authorized to surface commingle oil and gas production from the pools, leases, and wells identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from the pools, leases, and wells identified in Exhibit A at a central tank battery described in Exhibit A.

2. For each Pooled Area described in Exhibit B, Applicant shall submit a Proposed Agreement to the BLM or NMSLO, as applicable, prior to commencing oil and gas production. If Applicant fails to submit the Proposed Agreement, this Order shall terminate on the following day.

No later than sixty (60) days after the BLM or NMSLO approves or denies a Proposed Agreement, Applicant shall submit Form C-103 to OCD with a copy of the decision and a description of the approved lands, as applicable. If Applicant withdraws or the BLM or NMSLO denies a Proposed Agreement, this Order shall terminate on the date of such action, and Applicant shall cease commingling the production from the Pooled Area. If the BLM or NMSLO approves but modifies the Proposed Agreement(s), Applicant shall comply with the approved Agreement(s), and no later than sixty (60) days after such decision, Applicant shall submit a new surface commingle application to OCD to conform this Order with the approved Agreement(s). If OCD denies the new surface commingle application, this Order shall terminate on the date of such action.

Applicant shall allocate the oil and gas production to each lease within a Pooled Area in proportion to the acreage that each lease bears to the entire acreage of the Pooled Area described in Exhibit B until the Proposed Agreement which includes the Pooled Area is approved. After the Proposed Agreement is approved, the oil and gas production from the Pooled Area shall be allocated as required by the BLM's or NMSLO's, as applicable, approval of the Agreement, including any production that had been allocated previously in accordance with this Order.

3. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling.
4. Applicant shall measure and market the commingled oil at a central tank battery described in Exhibit A in accordance with this Order and 19.15.18.15. NMAC or 19.15.23.8. NMAC.
5. Applicant shall measure and market the commingled gas at a well pad, central delivery point, central tank battery, or gas title transfer meter described in Exhibit A in accordance with this Order and 19.15.19.9. NMAC, provided however that if the gas is vented or flared, and regardless of the reason or authorization pursuant to 19.15.28.8.B. NMAC for such venting or flaring, Applicant shall measure or estimate the gas in accordance with 19.15.28.8.E. NMAC.
6. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10.C.(2) NMAC.
7. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
8. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
9. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
10. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**ADRIENNE E. SANDOVAL
DIRECTOR**

DATE: 4/15/2022

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: PLC-810
Operator: Centennial Resource Production, LLC (372165)
Central Tank Battery: Raider Federal Com 502H Battery
Central Tank Battery Location: UL P, Section 21, Township 24 South, Range 34 East
Gas Title Transfer Meter Location: UL P, Section 21, Township 24 South, Range 34 East

Pools

Pool Name	Pool Code
ANTELOPE RIDGE; WOLFCAMP	2220
RED HILLS; BONE SPRING, NORTH	96434

Leases as defined in 19.15.12.7(C) NMAC

Lease	UL or Q/Q	S-T-R
VB 11790003	W/2 E/2	16-24S-34E
NMNM 126971	W/2 E/2	21-24S-34E

Wells

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-025-46300	Raider Federal Com #502H	W/2 E/2	16-24S-34E	96434
		W/2 E/2	21-24S-34E	
30-025-46427	Raider Federal Com #701H	W/2 E/2	16-24S-34E	2220
		W/2 E/2	21-24S-34E	

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit B

Order: **PLC-810**
Operator: **Centennial Resource Production, LLC (372165)**

Pooled Areas

Pooled Area	UL or Q/Q	S-T-R	Acres	Pooled Area ID
CA Wolfcamp NMNM 143298	W/2 E/2	16-24S-34E	320	A
	W/2 E/2	21-24S-34E		
CA Bone Spring NMNM 143296	W/2 E/2	16-24S-34E	320	B
	W/2 E/2	21-24S-34E		

Leases Comprising Pooled Areas

Lease	UL or Q/Q	S-T-R	Acres	Pooled Area ID
VB 11790003	W/2 E/2	16-24S-34E	160	A
NMNM 126971	W/2 E/2	21-24S-34E	160	A
VB 11790003	W/2 E/2	16-24S-34E	160	B
NMNM 126971	W/2 E/2	21-24S-34E	160	B

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 Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS
 Action 52541

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 52541
	Action Type: [C-107] Surface Commingle or Off-Lease (C-107B)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	4/15/2022