

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- 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

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
☐ DHC ☒ CTB ☒ PLC ☐ PC ☒ OLS ☒ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply
- [A] ☒ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached
- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **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.

Hope Knauls

Print or Type Name

Hope Knauls
Signature

Regulatory Technician

Title

6-25-15

Date

hknauls@cimarex.com

e-mail Address

APL 424 API
 Forty Niner Ridge 23 Fed #111 40615
 Forty Niner Ridge 23 Fed #211 4064
 Forty Niner Ridge 25 Fed #111 40881
 Sandy Federal #2011 41426
 Sandy Federal #2111 41791
 Sandy Federal #2211 41792
 Sandy Federal #2311 41793
 - Cimarex Energy CO
 215099
 Pool
 - Forty niner ridge
 Bone Springs
 24726
 - 6-20-15 G-06
 5233363601
 Bone Springs
 97944



Cimarex Energy Co.

202 S. Cheyenne Ave. ♦ Suite 1000 ♦ Tulsa, OK 74103 ♦ (918) 295-1799 ♦ hkauls@cimarex.com

• A NYSE Listed Company • "XEC"

June 25, 2015

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

Attention: Mr. Michael McMillan

Re: Commingle Gas Production – CTB
Forty Niner Ridge 23 Federal
Forty Niner Ridge 25 Federal
Sandy Federal
Sec. 23, 23S, 30E
Eddy County, NM

RECEIVED OCD
2015 JUN 26 P 1:37

Dear Mr. McMillan:

Cimarex Energy Co. respectfully requests approval to surface commingle the gas production from our Forty Niner Ridge 23 Federal, Forty Niner Ridge 25 Federal and Sandy Federal leases. All wells produce from the Forty Niner Ridge Bone Spring pool, pool code 24720.

Please see attached the application to surface commingle along with supporting documents.

The Forty Niner Ridge 23 Federal wells and the Forty Niner Ridge 25 Federal wells are on the same federal lease. The Sandy Federal is a separate federal lease.

The working and revenue interest is not common for the leases and we have notified all owners by certified mail on June 25, 2015.

Sincerely,

A handwritten signature in cursive script that reads "Hope Knauls".

Hope Knauls
Regulatory Technician

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: Cimarex Energy Co.
OPERATOR ADDRESS: 202 S. Cheyenne Ave. Ste. 1000 Tulsa, OK 74103
APPLICATION TYPE:

☐ Pool Commingling ☒ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☐ State ☒ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ 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 ☐ No

(A) POOL COMMINGLING

Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

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

(B) LEASE COMMINGLING

Please attach sheets with the following information

- (1) Pool Name and Code. #24720 - Forty Niner Ridge; Bone Spring
(2) Is all production from same source of supply? ☒ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No
(4) Measurement type: ☒ 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: Hope Knauls TITLE: Regulatory Tech DATE: 6/25/15

TYPE OR PRINT NAME Hope Knauls TELEPHONE NO.: 918-295-1799

E-MAIL ADDRESS: hknauls@cimarex.com



APPLICATION FOR A CENTRAL TANK BATTERY, LEASE COMMINGLE, OFF LEASE MEASUREMENT, SALES, & STORAGE

Central Tank Battery Proposal for the Sandy Federal, Forty Niner Ridge 23 Federal and Forty Niner Ridge 25 Federal Wells:

Cimarex Energy Co. is requesting approval for the Central Tank Battery, Lease Commingle of Gas Production, Off Lease Measurement, Sales, & Storage for the following wells:

Federal Lease NMNM114978 (12.5%)

Well Name	Location	API #	Pool 24720	BOPD	Oil Gravities	MCFPD	BTU
Forty Niner Ridge 23 Federal #1H	SESE 23-T23S-R30E	30-015-40615	Forty Niner Ridge; Bone Spring	50	43.0	150	1341.5
Forty Niner Ridge 23 Federal #2H	SWSE 23-T23S-R30E	30-015-40649	Forty Niner Ridge; Bone Spring	50	43.0	175	1335.2
Forty Niner Ridge 25 Federal #1H	SESE 23-T23S-R30E	30-015-41388	Forty Niner Ridge; Bone Spring	51	43.0	110	1335.8

Federal Lease: NMNM114356 (12.5%)

Well Name	Location	API #	Pool 24720	BOPD	Oil Gravities	MCFPD	BTU
Sandy Federal #20H	SESE 23-T23S-R30E	30-015-41426	Forty Niner Ridge; Bone Spring	100	44.5	150	1337.0
Sandy Federal #21H	SESE 23-T23S-R30E	30-015-41791	Forty Niner Ridge; Bone Spring	46	44.5	110	1373.1
Sandy Federal #22H	SESE 23-T23S-R30E	30-015-41792	Forty Niner Ridge; Bone Spring	75	44.5	190	1346.0
Sandy Federal #23H*	SESE 23-T23S-R30E	30-015-41793	Forty Niner Ridge; Bone Spring	105	44.5	210	1280.7

*Sandy Federal #23 has been renamed the Forty Niner Ridge 25 Fed #222H – Paperwork is pending approval at BLM & NMOCD.

Please see attached plats for information regarding well location.

The BLM's interest is common for the two leases.

Oil – Off Lease Measurement, Sales and Storage – No commingle between leases

The central tank battery is located on the Forty Niner Ridge Drill Island in the SESE, Sec. 23-T23S-R30E. The facility will handle the production for all wells in the three sections; however, oil production is produced into separate tanks for each federal lease. The central facility reduces liability with primary exposure to one facility and reduces lease road/location maintenance. The surface disturbance is minimal due to having one production facility. Allocation to the well is based upon monthly well tests.

The Forty Niner Ridge Battery will have five oil tanks and two water tanks for the oil and water production from the Forty Niner Ridge 23 Federal and Forty Niner Ridge 25 Federal wells and three oil tanks and two water tanks for the oil and water production from the Sandy Federal wells. Oil will be sold by truck load LACT at each federal lease (**Sandy – 08388099 & Forty Niner – 07778599**).

Oil production will be allocated to each well based upon the volume measured at the oil allocation meter for each well.

Gas – Off Lease Measurement and Sales and Lease Commingling

The primary sales meter is located on the Forty Niner Ridge Drill Island in the SESE, Sec. 23-T23S-R30E. The production from each well will have its own three phase separator and gas allocation meter to meter the gas.

The Forty Niner Ridge battery will have a common DCP central delivery point **#13135413** which is located on the west side of the facility.

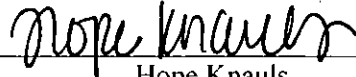
Gas production will be allocated on a daily basis based on the volume measured at the allocation meter and the volume sold at the DCP Gas Sales Meter. The gas production from the production equipment will be metered at the allocation meter and then commingled and sold at the DCP Gas Sales meter. The meters will be calibrated on a regular basis per API, NMOCD, and BLM specifications. The BLM & OCD will be notified of any future changes in the facilities.

Process and Flow Descriptions:

The flow of produced fluids is shown in detail on the enclosed facility diagram, along with a description of each vessel and location of wells, and gas sales meter. A map is also enclosed with lease boundary information. The proposed commingling is appropriate based on the BLM's guidance in IM 2013-152. The proposed commingling will maximize the ultimate recovery of oil and/or gas from the federal leases and will reduce environmental impacts by minimizing surface disturbance and emissions. The proposed commingling will reduce operating expenses, as well as, not adversely affect federal royalty income, production accountability, or the distribution of royalty.

Cimarex Energy Co. understands the requested approval will not constitute the granting of any right-of-way or construction rights.

Working, royalty, and overriding interest owners have been notified of this proposal via certified mail (see attached).

A handwritten signature in black ink, reading "Hope Knauls", is written over a horizontal line.

Hope Knauls
Regulatory Technician
Cimarex Energy Co.
June 25, 2015
918-295-1799



Central Tank Battery Economic Justification
Sandy Federal
Forty Niner Ridge 23 Federal
Forty Niner Ridge 25 Federal
Sec. 23, 23S, 30E
Eddy County NM

Gas Commingling proposal for leases:

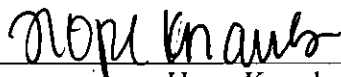
Federal Lease NMNM114978		Royalty Rate 12-1/2%				
Well Name	BOPD	Oil Gravity @60 deg	Value/bbl	MCFPD	Dry BTU	Value/mcf
Forty Niner Ridge 23 Fed #1H	50	43.0	\$52.19	150	1341.5	\$2.26
Forty Niner Ridge 23 Fed #2H	50	43.0	\$52.19	175	1335.2	\$2.26
Forty Niner Ridge 25 Fed #1H	51	43.0	\$52.19	110	1335.8	\$2.26

Federal Lease NMNM114356		Royalty Rate 16 2/3				
Well Name	BOPD	Oil Gravity @60 deg	Value/bbl	MCFPD	Dry BTU	Value/mcf
Sandy Federal #201H	100	44.5	\$52.19	150	1337.0	\$2.26
Sandy Federal #211H	46	44.5	\$52.19	110	1373.1	\$2.26
Sandy Federal #221H	75	44.5	\$52.19	190	1346.0	\$2.26
Sandy Federal #231H*	105	44.5	\$52.19	210	1280.7	\$2.26

*Sandy Federal #23 has been renamed the Forty Niner Ridge 25 Fed #222H – Paperwork is pending approval at BLM & NMOCD.

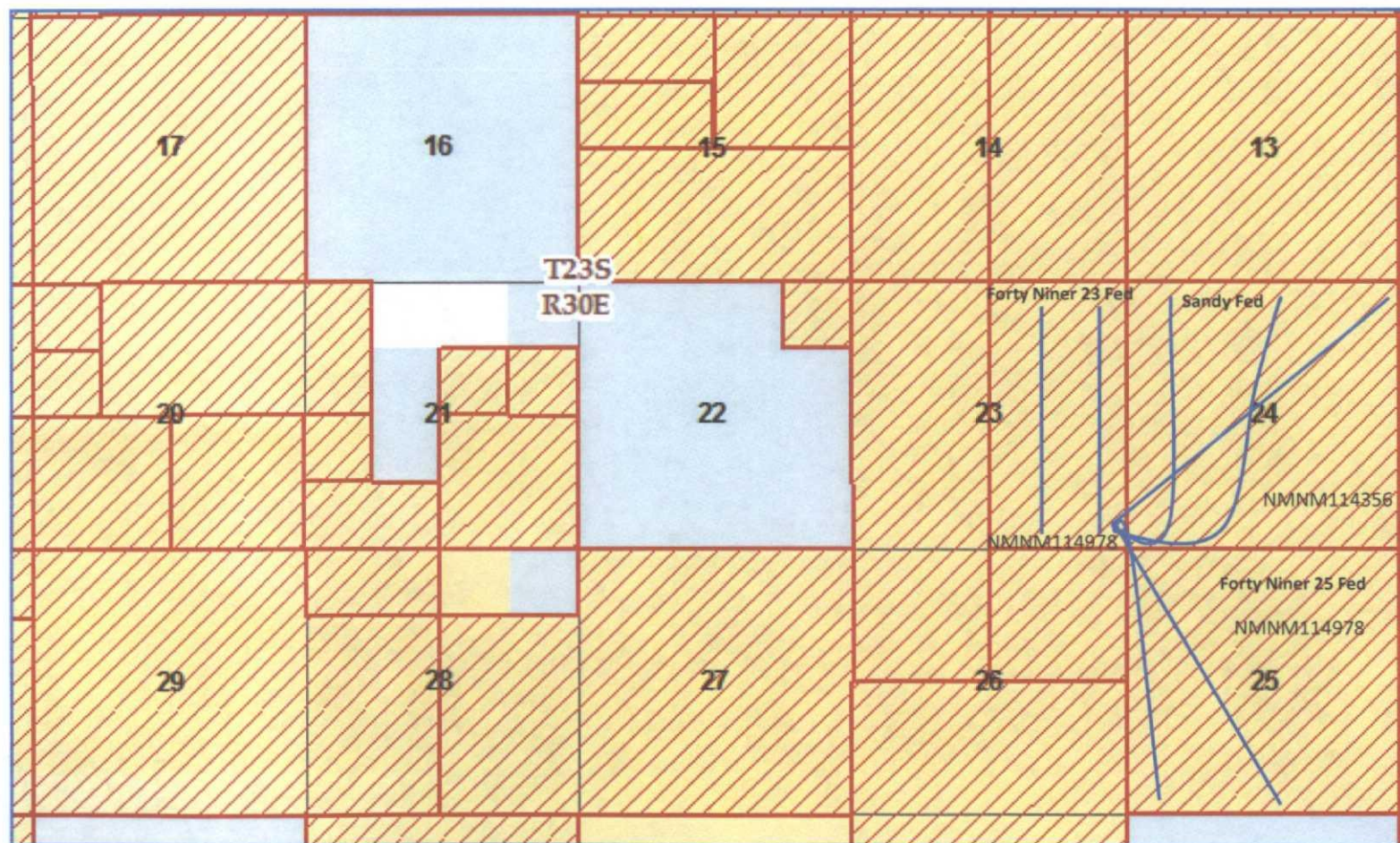
Economic combined production

Federal Lease NMNM114978		Royalty Rate 12-1/2%				
Federal Lease NMNM114356		Royalty Rate 12-1/2%				
Facility Name	BOPD	Oil Gravity @60 deg	Value/bbl	MCFPD	Dry BTU	Value/mcf
Forty Niner Ridge TB	477	45.5	\$52.19	1095	1335.6	\$2.26



Hope Knauls
Regulatory Technician
Cimarex Energy Co.
918-295-1799
June 24, 2015

Forty Niner Ridge 23 Federal
Forty Niner Ridge 25 Federal
Sandy Federal
BLM Base Map Information



DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

Phone (505) 393-0161 Fax: (505) 393-0720

DISTRICT II

811 S. First St., Artesia, NM 80210

Phone (505) 746-1263 Fax: (505) 746-9720

DISTRICT III

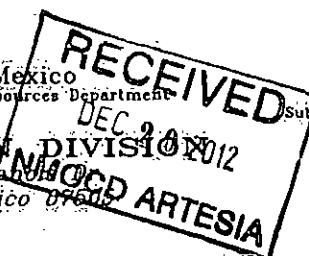
1000 Rio Brazos Rd., Aztec, NM 87410

Phone (505) 334-8178 Fax: (505) 334-8170

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 and Natural Resources DepartmentOIL CONSERVATION DIVISION
1220 South St. Francis
Santa Fe, New Mexico 87505Form C-102
Revised August 1, 2011Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

As Drilled

API Number 30-015-40615	Pool Code 96053	Pool Name Bone Spring Wildcat
Property Code 39406	Property Name FORTY NINER RIDGE 23 FEDERAL	Well Number 1H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3287'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	23 S	30 E		330	SOUTH	600	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	23 S	30 E		331	NORTH	705	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160.0			

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

	PROPOSED BOTTOM HOLE LOCATION Lot - 11 32°17'48.66" Long - W 103°50'42.38" NMSPC- 472069.7 E 692193.6 (NAD-83)	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. <u>Paula Brunson</u> 12/19/12 Signature Date Paula Brunson Printed Name pbrunson@cimarex.com Email Address
	SURFACE LOCATION Lot - 11 32°17'02.90" Long - W 103°50'41.58" NMSPC- 467446.6 E 692283.4 (NAD-83)	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. Date Surveyed 12/19/12 Signature & Seal of Professional Surveyor Certificate No: Gary L. Jones 7977 BASIN SURVEYS 26644

DISTRICT I
1025 N. French Dr., Hobbs, NM 88240
Phone (575) 393-8181 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (505) 748-1203 Fax: (505) 748-0720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-0178 Fax: (505) 334-0170

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 and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

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JUL 23 2013

Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

AMNCD ARTESIA

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30015-40649	Pool Code 24720	Pool Name Forty Niner Ridge
Property Code 39405	Property Name FORTY NINER RIDGE 23 FEDERAL	Well Number 2H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3270'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	23	23 S	30 E		390	SOUTH	1980	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	23	23 S	30 E		330	NORTH	1917	EAST	EDDY

Dedicated Acres 160.0	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

PROPOSED BOTTOM HOLE LOCATION Lot - N 32°17'48.68" Long - W 103°50'57.75" NMSPC# - N 472066.1 E 690873.9 (NAD-83)	B.H. 330 1917 NM 114978 4566.4'	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. <i>Hope Knauls</i> Signature Date Printed Name hknauls@cimarex.com Email Address
SURFACE LOCATION Lot - N 32°17'03.50" Long - W 103°50'57.65" NMSPC# - N 467500.8 E 690903.3 (NAD-83)	3280.2' 3286.7' 1980'	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. <i>Gary L. Jones</i> Date Surveyed Signature and Seal of Professional Surveyor Certificate No. Gary L. Jones 7977

26645

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-0101 Fax: (505) 393-0725

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1200 Fax: (505) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-0178 Fax: (505) 334-0170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-5400 Fax: (505) 476-3400

State of New Mexico
Energy, Minerals and Natural Resources Department

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DEC 09 2013

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Revised August 1, 2011

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District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-41388	Pool Code 97944	Pool Name Wildcat Bone Spring
Property Code 39917	Property Name FORTY-NINER RIDGE 25 FEDERAL	Well Number 1H
OCRD No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3293'

Surface Location

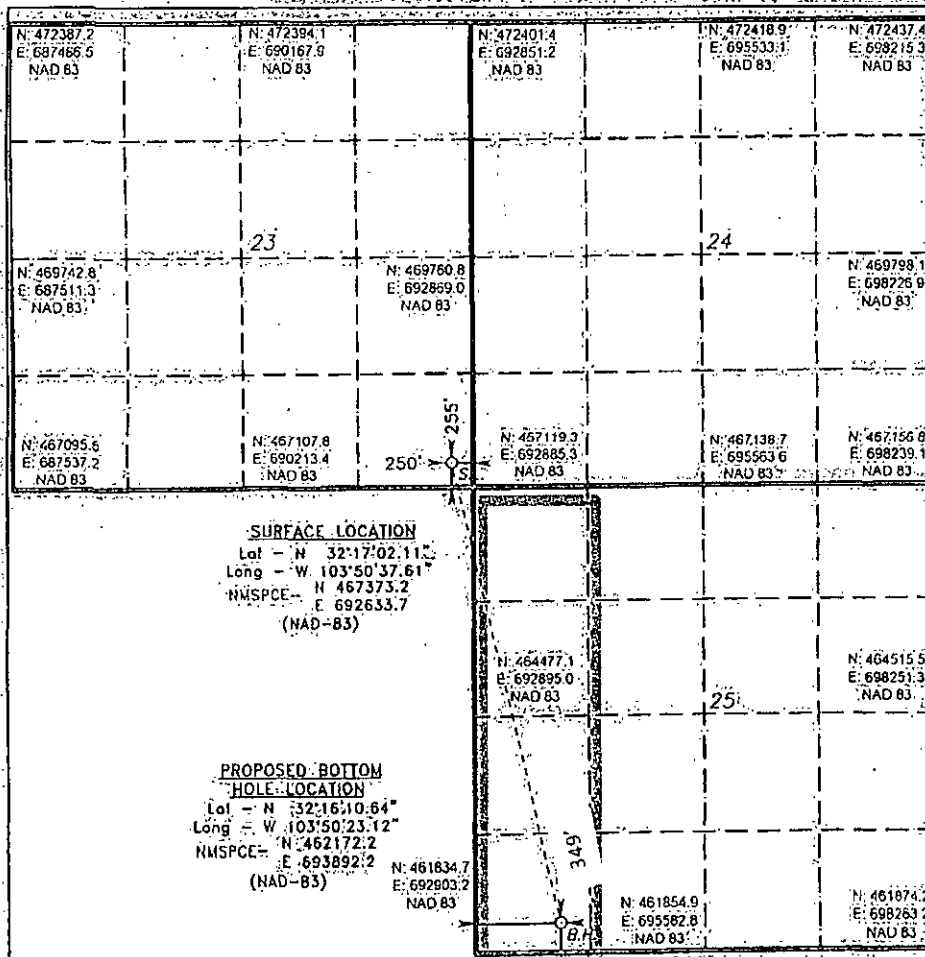
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	23 S	30 E		255	SOUTH	250	EAST	EDDY

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	25	23 S	30 E		349	SOUTH	1017	WEST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No. NSL Pending
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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 an undivided 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.

Hope Knauls 12/5/13
Signature Date

Printed Name
hknauls@cimarex.com
Email Address

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

Gary L. Jones
Date Surveyed 12/5/13
Signature & Seal of Professional Surveyor

Certificate No. Gary L. Jones 7977

BASIN SURVEYS 28459

HOBOCOO

NM OIL CONSERVATION

ARTESIA DISTRICT

JAN 22 2015

FEB 17 2015

DISTRICT I

1111 N. French Dr., Albany, NM 87001
Phone (505) 281-1111 Fax (505) 281-1111

DISTRICT II

1111 N. French Dr., Albany, NM 87001
Phone (505) 281-1111 Fax (505) 281-1111

DISTRICT III

1000 E. Dwyer Rd., Artesia, NM 87001
Phone (505) 281-1111 Fax (505) 281-1111

DISTRICT IV

1111 N. French Dr., Albany, NM 87001
Phone (505) 281-1111 Fax (505) 281-1111State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-015-41793	Pool Code 24720	Pool Name FORTY NINER RIDGE, BS
Property Code 39937	Property Name SANDY FEDERAL	Well Number 23H
DORIS No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3294'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	23 S	30 E		165	SOUTH	250	EAST	EDDY

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	25	23 S	30 E		330	SOUTH	2267	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240			

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

SURFACE LOCATION Lat - N 32°17'01.22" Long - W 103°50'37.81" NAD83 - E 892834.3 (NAD-83) PROPOSED BOTTOM HOLE LOCATION Lat - N 32°18'10.85" Long - W 103°49'59.12" NAD83 - E 893552.2 (NAD-83)	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 undivided 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 is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Cristen Burdell</i> 1/19/15 Signature Date Cristen Burdell Printed Name cburdell@cinarex.com Email Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. <i>W. J. Jones</i> Date Surveyed Signature & Seal of Professional Surveyor W. J. Jones Certificate No. Gary L. Jones 7077 BASIS SURVEYS 28778
--	---

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM114978

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SANDY FEDERAL 23H9. API Well No.
30-015-4179310. Field and Pool, or Exploratory
FORTY NINER RIDGE BS11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CIMAREX ENERGY COMPANY

Contact: TERRI STATHEM
E-Mail: tstatthem@cimarex.com

3a. Address

202 S. CHEYENNE AVE, STE 1000
TULSA, OK 74103

3b. Phone No. (include area code)

Ph: 432-620-1936

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 23 T23S R30E 165FSL 250FEL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex Energy respectfully requests approval to change the name of the Sandy Federal #23H well to the following:

Forty Niner Ridge 25 Federal #222H

The well was drilled to Sec. 25,23S, 30E which is the Forty Niner Ridge 25 Federal lease.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #304705 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (Printed/Typed) TERRI STATHEM

Title MANAGER REGULATORY COMPLIANCE

Signature (Electronic Submission)

Date 06/11/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-8161 Fax: (575) 393-0720

DISTRICT II

811 S. First St., Artesia, NM 88210
Phone (575) 748-1253 Fax: (575) 748-8729

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 478-3460 Fax: (505) 478-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name SANDY FEDERAL	Well Number 20H
GRID No.	Operator Name CIMAREX ENERGY CO.	Elevation 3293'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	23 S	30 E		285	SOUTH	250	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	24	23 S	30 E		330	NORTH	987	WEST	EDDY
Dedicated Acres	Joint or infill	Consolidation Code	Order No.						

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

N: 472387.2 E: 687486.5 NAD 83 N: 472394.1 E: 690167.9 NAD 83 N: 469742.8 E: 687511.3 NAD 83 N: 467095.5 E: 687537.2 NAD 83		N: 472401.4 E: 692851.2 NAD 83 N: 469760.8 E: 692869.0 NAD 83 N: 467107.8 E: 690213.4 NAD 83 N: 467119.3 E: 692885.3 NAD 83		N: 472418.9 E: 695533.1 NAD 83 N: 467138.7 E: 695563.6 NAD 83 N: 467156.8 E: 698239.1 NAD 83		N: 472437.4 E: 698215.3 NAD 83 N: 469798.1 E: 698226.9 NAD 83	
SURFACE LOCATION Lat - N 32°17'02.41" Long - W 103°50'37.61" NMSPEC - N 467403.2 E 692633.6 (NAD-83)				BOTTOM HOLE LOCATION Lat - N 32°17'48.66" Long - W 103°50'23.19" NMSPEC - N 472077.7 E 693840.2 (NAD-83)			

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 undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

Email Address _____

SURVEYOR CERTIFICATION

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

Date Surveyed _____

Signature & Seal of Professional Surveyor _____

Certificate No. Gary L. Jones 7977

BASIN SURVEYS 28455

DISTRICT I

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Phone (575) 393-8161 Fax: (575) 393-0720

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Form C-102

Revised August 1, 2011

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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name SANDY FEDERAL	Well Number 22H
OGRID No.	Operator Name CIMAREX ENERGY CO.	Elevation 3294'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	23 S	30 E		195	SOUTH	250	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	24	23 S	30 E		349	NORTH	312	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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N: 472387.2 E: 687486.5 NAD 83 N: 472394.1 E: 690167.9 NAD 83 N: 472401.4 E: 692851.2 NAD 83 N: 472418.9 E: 695533.1 NAD 83 N: 472437.4 E: 698215.3 NAD 83 N: 469742.8 E: 687511.3 NAD 83 N: 469760.8 E: 692869.0 NAD 83 N: 467085.5 E: 687537.7 NAD 83 N: 467107.6 E: 690213.4 NAD 83 N: 467138.7 E: 695563.6 NAD 83 N: 467156.8 E: 698239.1 NAD 83 N: 467119.3 E: 692865.3 NAD 83 N: 464477.1 E: 692895.0 NAD 83 N: 464515.5 E: 698251.3 NAD 83 N: 461834.7 E: 687903.2 NAD 83 N: 461854.9 E: 695582.8 NAD 83 N: 461874.2 E: 698263.2 NAD 83	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ Email Address _____ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date Surveyed _____ Signature _____ Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS 28776
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Energy, Minerals and Natural Resources Department

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Form C-102

Revised August 1, 2011

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District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name SANDY FEDERAL	Well Number 21H
OGRID No.	Operator Name CIMAREX ENERGY CO.	Elevation 3294'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	23 S	30 E		225	SOUTH	250	EAST	EDDY

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	24	23 S	30 E		331	NORTH	2335	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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N: 472387.7 E: 687486.5 NAD 83 N: 472394.1 E: 690167.9 NAD 83 N: 472401.4 E: 692851.2 NAD 83 N: 472418.9 E: 695533.1 NAD 83 N: 472437.4 E: 698215.3 NAD 83 N: 469788.1 E: 698226.9 NAD 83 N: 469742.8 E: 687511.3 NAD 83 N: 469760.8 E: 692869.0 NAD 83 N: 467095.5 E: 687531.7 NAD 83 N: 467107.8 E: 690213.4 NAD 83 N: 467138.7 E: 695563.6 NAD 83 N: 467156.8 E: 698239.1 NAD 83 N: 467119.3 E: 692885.3 NAD 83 N: 464477.1 E: 692895.0 NAD 83 N: 464515.5 E: 698251.3 NAD 83 N: 461834.7 E: 692903.2 NAD 83 N: 461844.9 E: 695587.8 NAD 83 N: 461874.2 E: 698263.2 NAD 83	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ Email Address _____ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. Date Surveyed _____ Signature & Seal of Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS 28775
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Natural Gas Analysis Report

AKM Measurement Services

Sample Information

Sample Information	
Sample Name	Forty Niner 23-1 Alloc(NCW9975102)
Sample Notes	0 PPM H2S
Injection Date	2015-02-19 17:25:50

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	2.1707	0.000
Methane	72.6449	0.000
CO2	0.1479	0.000
Ethane	13.3542	3.586
H2S	0.0000	0.000
Propane	7.0729	1.956
iso-Butane	0.4850	0.159
n-Butane	0.5077	0.161
iso-Pentane	0.8625	0.317
n-Pentane	2.0908	0.761
Hexanes Plus	0.6634	0.289
Water	0.0000	0.000
Total:	100.0000	7.229

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	71.0	
Flowing Pressure (psia)	70.0	
Gross Heating Value (BTU / Real cu.ft.)	1341.5	1318.7
Relative Density (G), Real	0.7898	0.7873
Total GPM	7.229	7.206
Total Molecular Weight	22.788	22.705

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

Sample Information	
Sample Name	49er Ridge 23-2 Check(NCP9775123)
Sample Notes	0 PPM H2S
Injection Date	2015-02-19 15:25:07

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	1.8510	0.000
Methane	72.2705	0.000
CO2	0.2832	0.000
Ethane	14.3396	3.850
H2S	0.0000	0.000
Propane	7.2388	2.002
iso-Butane	0.3412	0.112
n-Butane	0.3262	0.103
iso-Pentane	0.8530	0.313
n-Pentane	2.0691	0.753
Hexanes Plus	0.4274	0.186
Water	0.0000	0.000
Total:	100.0000	7.320

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	81.0	
Flowing Pressure (psia)	642.0	
Gross Heating Value (BTU / Real cu.ft.)	1335.2	1312.5
Relative Density (G), Real	0.7845	0.7820
Total GPM	7.320	7.295
Total Molecular Weight	22.635	22.555

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

Sample Information	
Sample Name	Forty Niner 25-1
Sample Notes	0 PPM H2S
Injection Date	2015-02-19 18:00:28

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	1.8297	0.000
Methane	73.2369	0.000
CO2	0.1513	0.000
Ethane	13.5806	3.646
H2S	0.0000	0.000
Propane	6.7844	1.876
iso-Butane	0.3842	0.126
n-Butane	0.3420	0.108
iso-Pentane	0.8913	0.327
n-Pentane	2.3653	0.861
Hexanes Plus	0.4343	0.189
Water	0.0000	0.000
Total:	100.0000	7.134

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	79.0	
Flowing Pressure (psia)	104.0	
Gross Heating Value (BTU / Real cu.ft.)	1335.8	1313.1
Relative Density (G), Real	0.7826	0.7801
Total GPM	7.134	7.113
Total Molecular Weight	22.580	22.500

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
(432) 561-5579

Gas Analysis

Company:	AMI (371)	Sample Pressure:	874.93
Producer:	CIMAREX	Sample Temp:	116.33
Lease:	SANDY UNIT 20	Date Sampled:	2/8/2015
Station #:	NIW9775160	Sampled by:	S
Date Run:	2/13/2015	Field Gravity:	
Lab Ref #:	15-FEB-85072	Field H2S:	0
Cylinder:			
Analyzed by:	Blake		

*Physical Constants per GPA 2145-09
All values calculated @ 60.0 Deg. F.*

	Mole %	14.65 psia GPM (Ideal)	14.73 psia GPM (Ideal)	14.73 psia BTU (Ideal Dry)
Nitrogen	1.8082			0.000
CO2	0.1857			0.000
Methane	72.8104			739.400
Ethane	13.4329	3.572	3.594	239.000
Propane	7.0669	1.936	1.948	178.800
Iso-Butane	0.8649	0.281	0.283	28.300
N-Butane	2.1431	0.672	0.676	70.300
Iso-Pentane	0.4763	0.173	0.174	19.200
N-Pentane	0.6434	0.232	0.233	25.900
Hexanes +	0.5682	0.251	0.252	30.200
TOTALS	100.0000	7.117	7.162	1331.000

GROSS HEATING VALUE @ 14.73 psia

Dry	Wet
1337	1315 BTU/Real Cu.Ft.
0.7807	0.7785 Specific Gravity (Real)
	1309 BTU/Ideal Cu.Ft.
0.7778	Specific Gravity (Ideal)
Z Factor :	0.9959

GASOLINE CONTENT (GPM/Real)

Ethane and Heavier	7.1464
Propane and Heavier	3.5595
Butane and Heavier	1.6156
Pentane and Heavier	0.6584

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

Sample Information	
Sample Name	Sandy Unit 21H Alloc(NCW0021009)
Sample Notes	0 PPM H2S
Injection Date	2015-02-19 16:20:29

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	1.9596	0.000
Methane	71.6271	0.000
CO2	0.1388	0.000
Ethane	13.4895	3.623
H2S	0.0000	0.000
Propane	7.4393	2.058
iso-Butane	0.5398	0.177
n-Butane	0.5986	0.190
iso-Pentane	0.9523	0.350
n-Pentane	2.4675	0.898
Hexanes Plus	0.7875	0.343
Water	0.0000	0.000
Total:	100.0000	7.639

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	78.0	
Flowing Pressure (psia)	55.0	
Gross Heating Value (BTU / Real cu.ft.)	1373.1	1349.8
Relative Density (G), Real	0.8078	0.8049
Total GPM	7.639	7.609
Total Molecular Weight	23.300	23.208

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

Sample Information	
Sample Name	Sandy Unit 22H(NCW0021010)
Sample Notes	0 PPM H2S
Injection Date	2015-02-19 16:40:16

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	2.2372	0.000
Methane	73.3831	0.000
CO2	0.1441	0.000
Ethane	12.5688	3.375
H2S	0.0000	0.000
Propane	6.4543	1.785
iso-Butane	0.5542	0.182
n-Butane	0.6087	0.193
iso-Pentane	0.8434	0.310
n-Pentane	2.2225	0.809
Hexanes Plus	0.9837	0.429
Water	0.0000	0.000
Total:	100.0000	7.082

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	79.0	
Flowing Pressure (psia)	55.0	
Gross Heating Value (BTU / Real cu.ft.)	1346.0	1323.2
Relative Density (G), Real	0.7935	0.7909
Total GPM	7.082	7.062
Total Molecular Weight	22.893	22.808

Natural Gas Analysis Report

AKM Measurement Services

Sample Information

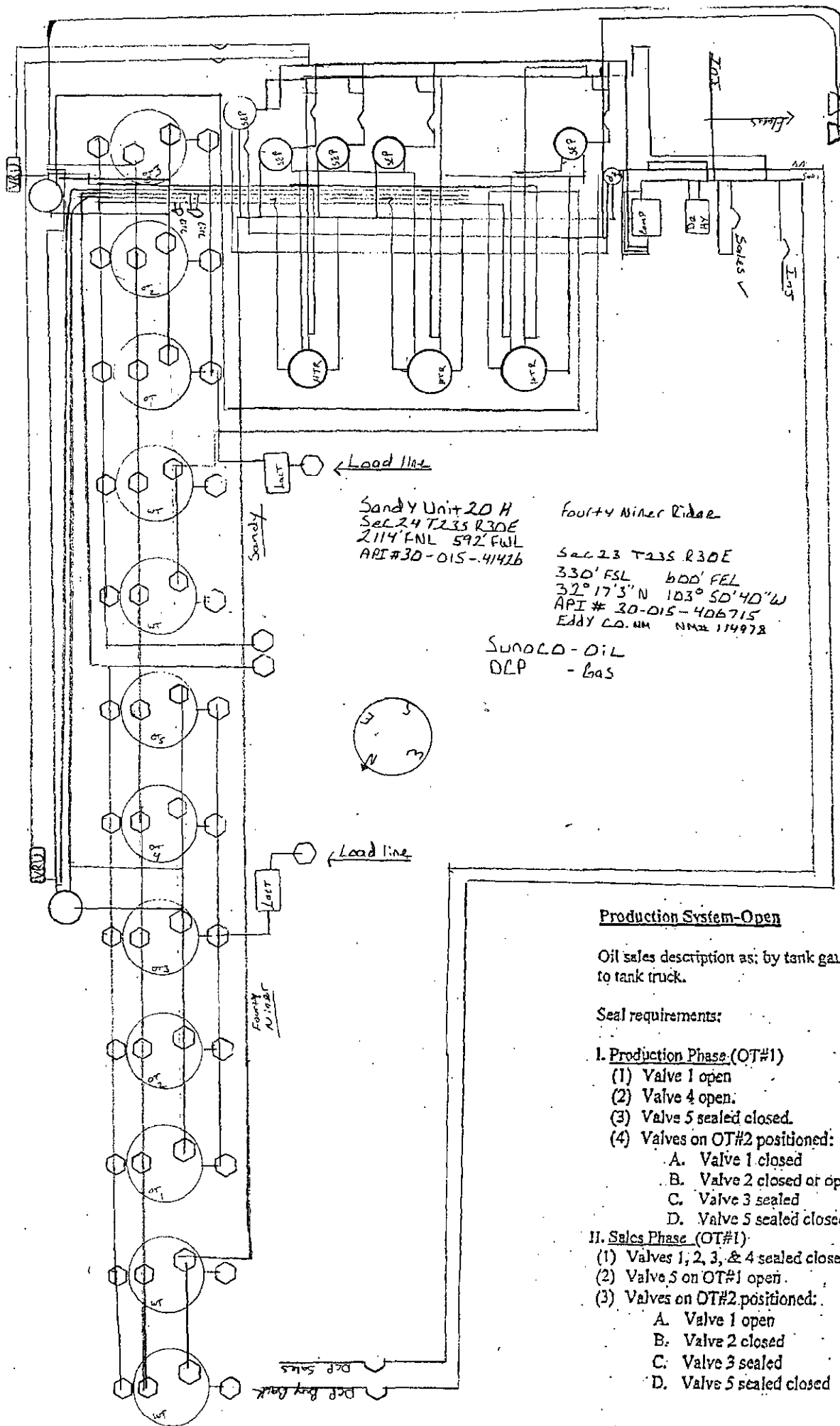
Sample Information	
Sample Name	Sandy 23 All(NCW0021008)
Sample Notes	0 PPM H2S
Injection Date	2015-02-19 18:14:49

Component Results

Component Name	Norm%	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	2.1395	0.000
Methane	76.2096	0.000
CO2	0.1552	0.000
Ethane	12.2861	3.297
H2S	0.0000	0.000
Propane	5.6766	1.569
iso-Butane	0.3481	0.114
n-Butane	0.3720	0.118
iso-Pentane	0.6445	0.237
n-Pentane	1.5656	0.570
Hexanes Plus	0.6028	0.263
Water	0.0000	0.000
Total:	100.0000	6.167

Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	78.0	
Flowing Pressure (psia)	89.0	
Gross Heating Value (BTU / Real cu.ft.)	1280.7	1258.9
Relative Density (G), Real	0.7506	0.7487
Total GPM	6.167	6.162
Total Molecular Weight	21.666	21.602



Production System-Open

Oil sales description as: by tank gauge to tank truck.

Seal requirements:

I. Production Phase (OT#1)

- (1) Valve 1 open
- (2) Valve 4 open.
- (3) Valve 5 sealed closed.
- (4) Valves on OT#2 positioned:
 - A. Valve 1 closed
 - B. Valve 2 closed or open.
 - C. Valve 3 sealed
 - D. Valve 5 sealed closed

II. Sales Phase (OT#1)

- (1) Valves 1, 2, 3, & 4 sealed closed
- (2) Valve 5 on OT#1 open.
- (3) Valves on OT#2 positioned:
 - A. Valve 1 open
 - B. Valve 2 closed
 - C. Valve 3 sealed
 - D. Valve 5 sealed closed

Well_Name: **FORTY NINER RIDGE 23 FEDERAL # 001H**
 API: 3001540615
 Location: P-23-23.0S-30E 330 FSL 600 FEL
 Lat: 32.28409904 Long: -103.8449029
 Operator Name: CIMAREX ENERGY CO. County: Eddy
 Land Type: Federal Well Type: Oil
 Spud Date: 8/17/2012 Plug Date:
 Elevation GL: 3287 Depth TVD: 9924

Year:	2012			
Pool Name:	FORTY NINER RIDGE;BONE SPRING			
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days Produced
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	3233	0	0	7
December	0	0	0	0
Total:	3233	0	0	

Year:	2013			
Pool Name:	FORTY NINER RIDGE;BONE SPRING			
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days Produced
January	13858	36607	17172	31
February	6320	12478	5921	20
March	8459	18105	9877	31
April	6648	7328	5882	27
May	5863	0	8767	31
June	4166	3676	5787	30
July	4536	13940	5471	31
August	2740	6496	2026	21
September	3644	6800	5728	30
October	3408	9197	5016	31
November	3189	7602	4294	30
December	3403	9133	4788	31
Total:	66234	131362	80729	

Year:	2014			
Pool Name:	FORTY NINER RIDGE;BONE SPRING			
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days Produced
January	2964	6805	3564	31
February	2392	5779	3320	28
March	2305	5844	3091	31
April	2363	4620	3162	30
May	2153	4040	2851	31
June	1888	5158	3017	30
July	1940	5459	2789	31
August	1815	3790	2618	31
September	1787	3101	2536	30
October	1836	5141	2190	31
November	2081	4084	2503	30
December	2029	3919	2101	31
Total:	25553	57740	33742	

Year:	2015			
Pool Name:	FORTY NINER RIDGE;BONE SPRING			
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days Produced
January	2227	2465	2243	31
February	1829	4118	2120	28
March	1787	4875	2322	31
April	1854	4227	2175	30
Total:	7697	15685	8860	

Cum Production:	102,717	204,787	123,331	
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Well_Name: **FORTY NINER RIDGE 23 FEDERAL # 002H**
 API: 3001540649
 Location: O-23-23.0S-30E 390 FSL 1980 FEL
 Lat: 32.28426597 Long: -103.849
 Operator Name: CIMAREX ENERGY CO. County: Eddy
 Land Type: Federal Well Type: Oil
 Spud Date: 2/23/2013 Plug Date:
 Elevation GL: 3270 Depth TVD: 9810

Year:	2013			
Pool Name:	FORTY NINER RIDGE;BONE SPRING			
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days Produced
April	10297	19790	18629	30
May	16778	50823	18953	31
June	8995	26360	10114	30
July	6965	13599	8583	31
August	3773	8117	2711	21
September	5810	9382	5439	30
October	4405	12144	5264	31
November	3642	10296	4567	30
December	3670	11380	5204	30
Total	64335	161891	79464	

Year:	2014			
Pool Name:	FORTY NINER RIDGE;BONE SPRING			
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days Produced
January	2957	7126	4127	31
February	2719	7132	3579	28
March	2504	5938	3042	31
April	2856	5593	3728	30
May	2289	5222	3442	31
June	2123	6316	3229	30
July	2189	7915	3178	31
August	2020	4421	2883	31
September	2016	2933	2897	30
October	2115	5217	2563	31
November	2353	4220	2761	30
December	2122	3664	2198	31
Total:	28263	65697	37627	

Year: 2015				
Pool Name: FORTY NINER RIDGE;BONE SPRING				
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days Produced
January	2309	1868	2258	31
February	2343	3614	2186	28
March	2072	4830	2671	31
April	1780	4478	2160	30
total:	8504	14790	9275	

Cum Production:	101,102	242,378	126,366	
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Well_Name: **FORTY NINER RIDGE 25 FEDERAL # 001H**
 API: 3001541388
 Location: P-23-23.0S-30E 255 FSL 250 FEL
 Lat: 32.28389235 Long: -103.844
 Operator Nam CIMAREX ENERGY CO. County: Eddy
 Land Type: Federal Well Type: Oil
 Spud Date: 6/1/2013 1 Plug Date:
 Elevation GL: 3293 Depth TVD: 9

Year:	2013			
Pool Name:	WC-015 G-06 S233036D;BONE SPRING			
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
August	309	0	2020	2
September	11056	11691	16148	25
October	8032	11572	11006	31
November	5337	7261	6827	30
December	0	0	0	0
Total:	24734	30524	36001	

Year:	2014			
Pool Name:	WC-015 G-06 S233036D;BONE SPRING			
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
January	4119	7020	6000	31
February	3107	6432	4840	28
March	2715	5633	4305	31
April	2764	4248	3945	30
May	2497	3510	3916	31
June	2347	3664	3546	30
July	2460	3691	3670	31
August	1400	1409	1921	19
September	428	104	141	2
October	1574	2363	2116	31
November	2633	2931	2818	30
December	2177	2556	2224	31
Total:	28221	43561	39442	

Page 2- Forty Niner Ridge 25 Federal #1H

Year: 2015				
Pool Name: WC-015 G-06 S233036D;BONE SPRING				
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
January	2641	2836	2686	30
February	2269	3993	3180	28
March	1978	4522	3178	31
April	1672	3218	1990	30
total:	8560	14569	11034	

Cum Total	61,515	88,654	86,477	
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Well_Name: **SANDY FEDERAL # 020H**
 API: 3001541426
 Location: P-23-23.0S-30E 285 FSL 250 FEL
 Lat: 32.28397482 Long: -103.844
 Operator Name: CIMAREX ENERGY CO. County: Eddy
 Land Type: Federal Well Type: Oil
 Spud Date: 7/6/2013 1 Plug Date:
 Elevation GL: 3293 Depth TVD: 0

Year:	2013			
Pool Name:	WILDCAT;BONE SPRING			
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
August	493	0	1359	2
September	12862	14431	17266	29
October	9471	15906	12535	31
November	5911	10393	6987	30
December	0	0	0	0
total:	28737	40730	38147	

Year:	2014			
Pool Name:	WILDCAT;BONE SPRING			
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
January	4511	13153	7087	31
February	0	0	0	0
March	3429	12382	4397	31
April	2939	11700	4280	30
May	2523	12158	4169	31
June	471	3156	755	13
July	0	0	0	0
August	0	0	0	0
September	1697	68	451	6
October	1376	1683	2456	31
November	2184	3361	2833	30
December	1326	2847	1578	31
Total:	20456	60508	28006	

Page 2 - Sandy Federal 20H

Year: 2015				
Pool Name: WILDCAT;BONE SPRING				
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
January	1322	2793	1708	30
February	2036	4023	3120	28
March	2181	5683	3789	31
April	2380	4048	3066	30
Total:	7919	16547	11683	

Cum Production:	57,112	117,785	77,836	
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Well_Name: **Sandy Unit #21H**
 API: 3001541791
 Location: P-23-23.0S-30E 225 FSL 250 FEL
 Operator Nam CIMAREX ENERGY CO. County: Eddy
 Land Type: Federal Well Type: Oil
 Spud Date: 4/24/2014 Plug Date:
 Elevation GL: 3294 Depth TVD:

Year: 2014				
Pool Name: WC-015 G-06 S233036D;BONE SPRING				
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
October	12331	8912	25207	31
November	8786	8671	12970	30
December	6566	4396	9016	31
Total:	27683	21979	47193	

Year: 2015				
Pool Name: WC-015 G-06 S233036D;BONE SPRING				
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
January	5744	3249	8917	30
February	3523	6684	9143	28
March	3286	5655	7219	31
April	2787	2882	5241	30
total:	15340	18470	30520	

Cum Total	43,023	40,449	77,713	
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Well_Name: **Sandy Federal #22H**

API: 3001541792

Location: P-23-23.0S-30E 195 FSL 250 FEL

Operator Name: CIMAREX ENERGY CO. County: Eddy

Land Type: Federal Well Type: Oil

Spud Date: 6/7/2014 Plug Date:

Elevation GL: 3294 Depth TVD:

Year:	2014			
Pool Name:	WC-015 G-06 S233036D;BONE SPRING			
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
October	7348	5172	34427	31
November	4572	3768	23515	30
December	3495	1887	17786	31
Total:	15415	10827	75728	

Year:	2015			
Pool Name:	WC-015 G-06 S233036D;BONE SPRING			
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Produced
January	2503	1754	14196	30
February	1885	2712	7681	28
March	1541	2510	8547	31
April	1582	1165	7221	30
total:	7511	8141	37645	

Cum Total	22,926	18,968	113,373	
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Well_Name: **SANDY FEDERAL # 023H**
 API: 3001541793
 Location: P-23-23.0S-30E 165 FSL 250 FEL
 Lat: 32.28364495 Long: -103.844
 Operator Name: CIMAREX ENERGY County: Eddy
 Land Type: Federal Well Type: Oil
 Spud Date: 7/9/2014 1 Plug Date:
 Elevation GL: 3294 Depth TVD 9865

Year:	2014			
Pool Name:	FORTY NINER RIDGE;BONE SPRING			
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Produced
December	6799	5331	9312	31

Year:	2015			
Pool Name:	FORTY NINER RIDGE;BONE SPRING			
				Days
Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Produced
January	6128	6105	7863	31
February	3911	8092	5049	28
March	4998	8235	4902	31
April	3932	5143	4757	30
Total:	18969	27575	22571	



Cimarex Energy Co.
202 S Cheyenne Ave, Ste 1000
Tulsa, OK 74013

June 25, 2015

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Interest Owners

RE: Request for a CTB & Commingle & Off lease measurement

Location: Sec 23, T 23S, R 30E

Pool: 24720 Forty Niner Ridge; Bone Spring

County: Eddy

Sandy Federal #20H; 30-15-41426
Sandy Federal # 21H; 30-15-41791
Sandy Federal # 22H; 30-15-41792
Sandy Federal # 23H; 30-15-41793

Forty Niner Ridge 23 Federal #1H; 30-15-40615
Forty Niner Ridge 23 Federal #2H; 30-15-40649
Forty Niner Ridge 25 Federal #1H; 30-15-41388

To whom it may concern:

Please be advised that Cimarex Energy Co. is filing an application with the New Mexico Oil Conservation Division (NMOCD) seeking approval of a CTB and Off Lease Measurement, Sales, and Storage for the above mentioned wells.

A copy of our application, as submitted to the division, is attached.

Any objections to this application must be submitted to the NMOCD Santa Fe office within 20 days from the date on this letter.

Please contact the undersigned at (918) 295-1799 should you have any questions or need any further information.

Sincerely,
Cimarex Energy Co.

A handwritten signature in black ink that reads "Hope Knauls". The signature is written in a cursive, flowing style.

Hope Knauls
Regulatory Tech

Sandy Federal Owner Listing and Certified Mail List

70140510000123109110

Strata Production Company
PO Box 1030
Roswell, NM 88202-1030

70140510000123109127

Scott Winn LLC
PO Box 1834
Roswell, NM 88202-1834

70140510000123109134

Winn Investments Inc
706 West Brazos
Roswell, NM 88201

7014051000023109141

Worrall Investment Corp
PO Box 1834
Roswell, NM 88202

70140510000123109158

Hat Mesa Oil Company
PO Box 1216
Albuquerque, NM 97103-1216

70140510000123109165

Hutchings Oil Company
PO Box 1216
Albuquerque, NM 97103-1216

70140510000123109172

Frank S & Robin L Morgan
135 West Cottonwood Road
Artesia, NM 88210

70140510000123109189

Wade Petroleum Corporation
2406 Northwood Ct NW
Albuquerque, NM 87107

70140510000123109196

Warren Inc
PO Box 10400
Albuquerque, NM 87184-0400

70140510000123109202

Duane Brown and Pilar Vaile
1110 El Alhamabra Circle NW
Albuquerque, NM 87107

70140510000123109219

Wade P Carrigan and Beth Carrigan
PO Box 1908
Gilbert, AZ 85299-1908

70140510000123109233

Mark B Murphy Trustee
PO Box 2484
Roswell, NM 88202-2428

70140510000123109240

Susan F Murphy Marital Trust
PO Box 2484
Roswell, NM 88202-2428

70140510000123109226

JMW Enterprises LLC
PO Box 10400
Albuquerque, NM 87104-0040

70140510000123109257

Jo McInerney
1205 West 7th St
Roswell, NM 88201

70140510000123109264

Ichter Derksen LLC
5216 SW Burton Dr
Portland, OR 97221

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70140510000123109271

Harroun Enterprises Inc
515 Tres Lagunas Ln NE
Albuquerque, NM 87113-1474

70140510000123109288

Euro American Oil LLP LLC
13151 N Enon Church Rd
Chester, VA 23836

70140510000123109295

Anchor Production LLC
10092 County Road 36
Yuma, CO 80759

70140510000123109301

Warren Associates LLC
PO Box 10400
Albuquerque, NM 87184-0400

70140510000123109318

O&G Properties LLC
27 Tennis Court NW
Albuquerque, NM 87120-3860

70140510000123109325

Sea Bee LLC
c/o Clifford E Blaugrund
7513 La Madera NE
Albuquerque, NM 87109-3860

70140510000123109332

SJR Enterprises Inc
11621 Joan of Arc Dr
Houston, TX 77024

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70140510000123109349

Scott Investment Corp

PO Box 1834

Roswell, NM 88202-1834

70140510000123109356

Bane Bigbie Inc

PO Box 996

Ardmore, OK 73402-0998

Forty Niner Ridge 23 Federal/Forty Niner Ridge 25 Federal Lease

Owner Listing

Certified Mailing List

70140510000123109363

Liberty Energy LLC
PO Box 418109
Boston, MA 02241-8109

70140510000123109370

McCombs Energy LLC
5599 San Felipe Ste 1200
Houston, TX 77056

70140510000123109387

Quientesa Royalty LP
c/o Brett Smith
508 West Wall Avenue Suite 500
Midland, TX 79701

70140510000123109394

Hayes Revocable Trust
Michael D & Kathryn A Hayes Co-TTees
3608 Meadowridge Lane
Midland, TX 79707

70140510000123109400

Rubicon Oil & Gas II LP
508 W Wall Ave Ste 500
Midland, TX 79701

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM114978

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
FORTY NINER RIDGE 23 FEDERAL VARIO

9. API Well No.

10. Field and Pool, or Exploratory
FORTY NINER RIDGE;BS11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
CIMAREX ENERGY COMPANYContact: HOPE KNAULS
E-Mail: hknauls@cimarex.com3a. Address
202 S. CHEYENNE AVE
TULSA, OK 741033b. Phone No. (include area code)
Ph: 918-585-11004. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 23 T23S R30E SESE**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex Energy Co. respectfully request approval to surface commingle gas production from the following wells at the Forty Niner Ridge battery:

Forty Niner Ridge 23 Federal #1H SESE 23-T23S-R30E 30-015-40615
Forty Niner Ridge 23 Federal #2H SWSE 23-T23S-R30E 30-015-40649
Forty Niner Ridge 25 Federal #1H SESE 23-T23S-R30E 30-015-41388

Sandy Federal #20H SESE 23-T23S-R30E 30-015-41426
Sandy Federal #21H SESE 23-T23S-R30E 30-015-41791
Sandy Federal #22H SESE 23-T23S-R30E 30-015-41792
Sandy Federal #23H* SESE 23-T23S-R30E 30-015-41793

*Sandy Federal #23 has been renamed the Forty Niner Ridge 25 Fed #222H ? Paperwork is pending

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #306822 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (Printed/Typed) HOPE KNAULS

Title REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 06/25/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #306822 that would not fit on the form

32. Additional remarks, continued

approval at BLM & NMOCD.

Please see attached application, economic justification and other important information regarding surface commingle request.