

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-025-42783
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Viking Helmet State Com
8. Well Number 2H
9. OGRID Number 229137
10. Pool name or Wildcat WC-025 G-09 S243532M; Wolfbone

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
COG Operating LLC

3. Address of Operator
2208 W. Main Street, Artesia, NM 88210

4. Well Location

Unit Letter B : 190 feet from the North line and 1980 feet from the East line
Section 29 Township 24S Range 35E NMPM, Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3320.4' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☒ Surface Commingle Production

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC, respectfully requests to surface commingle oil and gas production for the following wells:

Viking Helmet State Com 1H - 30-025-42782
Viking Helmet State Com 2H - 30-025-42783
Viking Helmet State Com 24H - 30-025-43779

Plans are to store, measure and sell oil production from the 1H and 2H wells at the existing Viking Helmet State Com 2H battery. Oil from the 24H well will be stored, measured and sold at the new Viking Helmet CTB. Gas from the 1H, 2H and 24H wells will be measured and sold at existing Targa gas sales meter located at the Viking Helmet State Com 2H battery. COG Operating LLC certifies that the leasehold ownership and percentages of those ownerships is identical in all three wells. The ownership and the spacing units attributed to these wells is also identical.

Please see attached:

As drilled C-102s for Viking Helmet State Com 1H, 2H and 24H wells
Map showing lease and communitization agreement boundaries
Geological map showing location of wells and facilities
Site facility diagram of the existing Viking Helmet State Com 2H battery
Copy of letter from Certified Landman regarding like ownership in the three wells

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

SIGNATURE Debora L. Wilbourn TITLE: Regulatory Analyst DATE: 7/27/17
Type or print name: Debora L. Wilbourn E-mail address: dwlbourn@concho.com PHONE: (575) 748-6958

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any):

Michael McMillan Engineering Bureau

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 593-0181 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 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 87503
Phone: (505) 476-3460 Fax: (505) 476-3468

State of New Mexico
Energy, Minerals & 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42782	Pool Code 98098	Pool Name WC-025 G-09 S243532M; Wolfbone
Property Code 315251	Property Name VIKING HELMET STATE COM	Well Number 1H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3309.1'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	24-S	35-E		190	NORTH	380	EAST	LEA

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
H	32	24-S	35-E		2290	NORTH	419	EAST	LEA

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

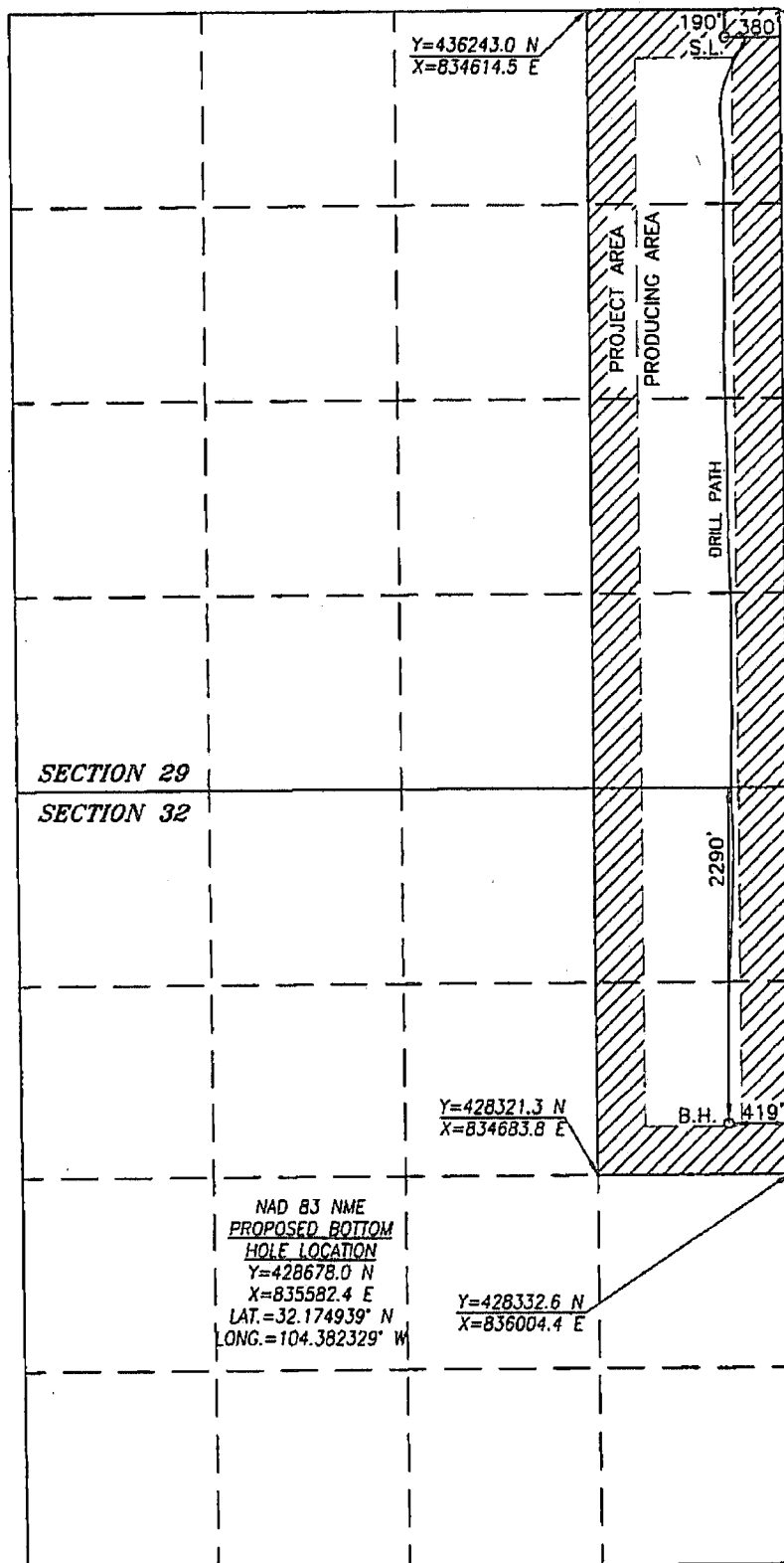
SEE PAGE 2

PAGE 1 OF 2

W.O. # 17-717

DRAWN BY: CD

Property Code 315251	Property Name VIKING HELMET STATE COM	Well Number 1H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3309.1'



NAD 83 NME
SURFACE LOCATION
Y=436061.3 N
X=835558.7 E
LAT.=32.195233° N
LONG.=104.382196° W

BOREPATH SHOWN HEREON IS BASED ON
DIRECTIONAL SURVEY REPORT PROVIDED BY
COG OPERATING, LLC FOR THE VIKING HELMET
STATE COM #1H SUPPLIED TO HARCROW
SURVEYING, LLC ON JUNE 8, 2017.

1200 0 1200
SCALE: 1"=1200'

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Debora L. Willbourn
Signature Date 7/27/17

Debora L. Willbourn
Printed Name

dwillbourn@concho.com
E-mail Address

SURVEYOR CERTIFICATION

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

APRIL 4, 2017

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 6/14/17
Certificate No. CHAD HARCROW 17777

DISTRICT I
1625 N. FRENCH DR., NOBLES, NM 86240
Phone: (505) 363-0181 Fax: (505) 363-0723

DISTRICT II
511 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1263 Fax: (505) 748-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1620 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42783	Pool Code 98098	Pool Name WC-025 G-09 S243532M; Wolfbone
Property Code 315251	Property Name VIKING HELMET STATE COM	Well Number 2H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3320.4'

Surface Location

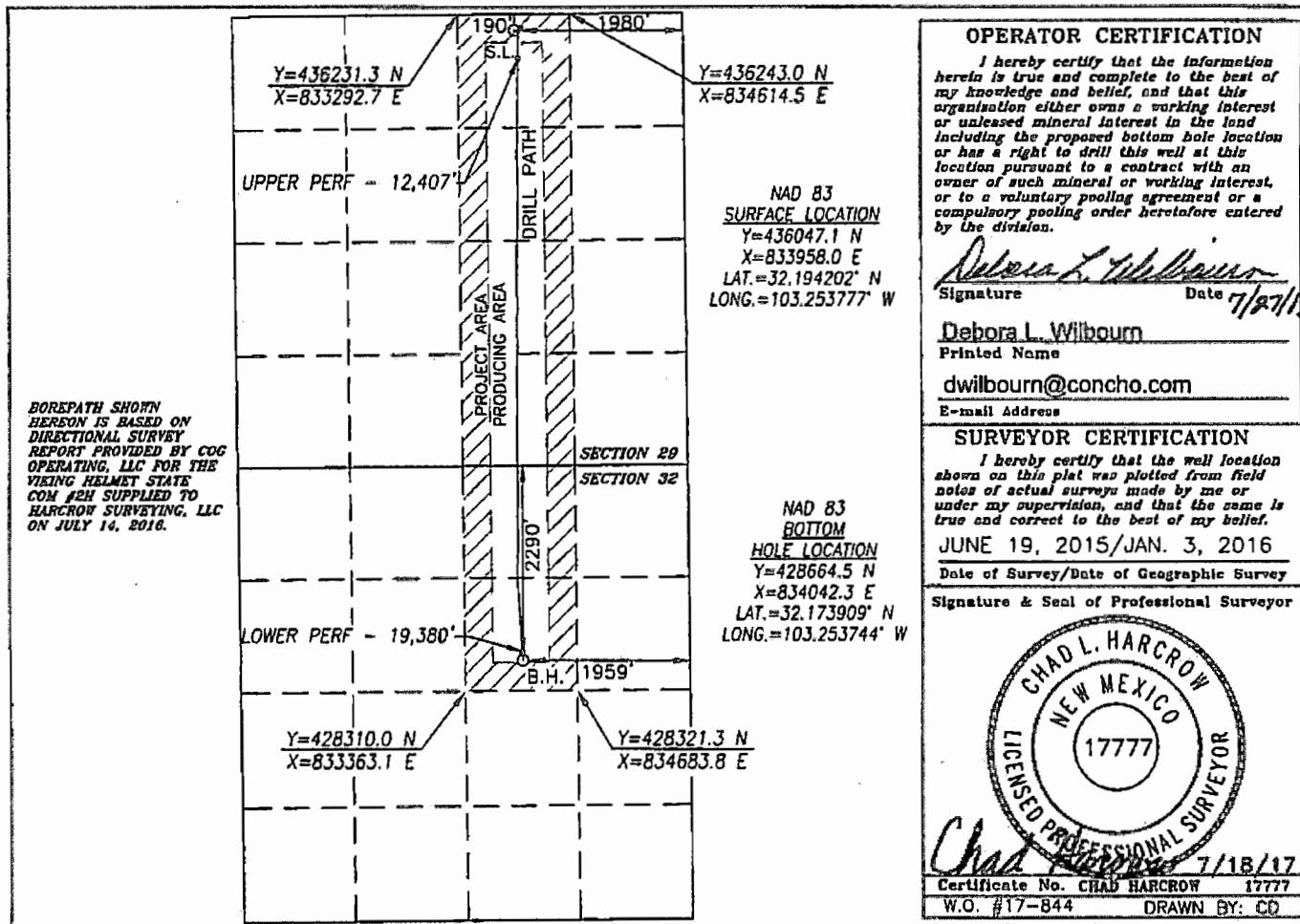
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	29	24-S	35-E		190	NORTH	1980	EAST	LEA

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
G	32	24-S	35-E		2290	NORTH	1959	EAST	LEA

Dedicated Acres 240	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



DISTRICT I
1025 N. FRENCH DR., ROBBES, NM 88240
Phone: (575) 303-0181 Fax: (575) 303-0720

DISTRICT II
611 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1253 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) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-43779		Pool Code 98098	Pool Name WC-025 G-09 S243532M; Wolfbone
Property Code 315251	Property Name VIKING HELMET STATE COM		Well Number 24H
GRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3318.7'

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	20	24-S	35-E		210	SOUTH	2230	EAST	LEA

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
G	32	24-S	35-E		2425	NORTH	2328	EAST	LEA

Dedicated Acres 240	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

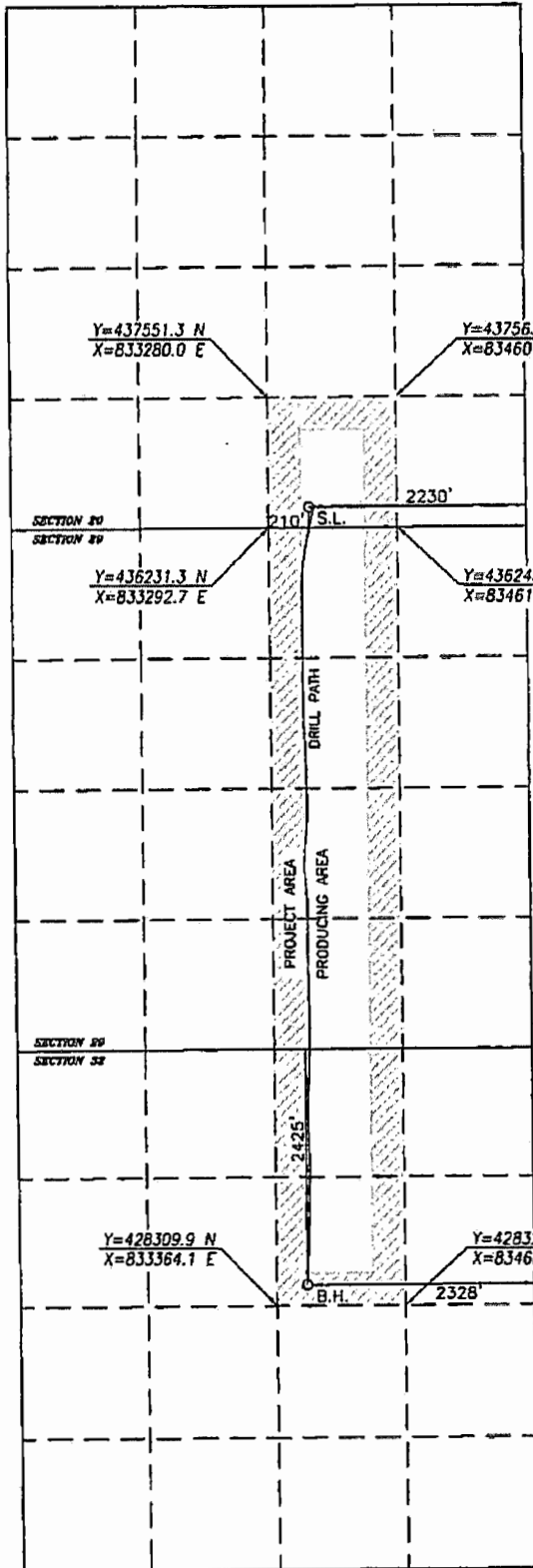
SEE PAGE 2

PAGE 1 OF 2

W.O. #17-843

DRAWN BY: CD.

Property Code	Property Name	Well Number
315251	VIKING HELMET STATE COM	24H
OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	3318.7'



NAD 83 NME
SURFACE LOCATION
Y=436444.9 N
X=833704.7 E
LAT.=32.196332° N
LONG.=103.388176° W

BOREPATH SHOWN HEREON IS BASED ON
DIRECTIONAL SURVEY REPORT PROVIDED BY
COG OPERATING, LLC FOR THE VIKING HELMET
STATE COM #24H SUPPLIED TO HARCROW
SURVEYING, LLC ON JULY 11, 2017.

1800 0 1800
SCALE: 1"=1800'

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Debora L. Wilbourn
Signature Date 7/27/17

Debora L. Wilbourn
Printed Name

dwilbourn@concho.com
E-mail Address

SURVEYOR CERTIFICATION

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

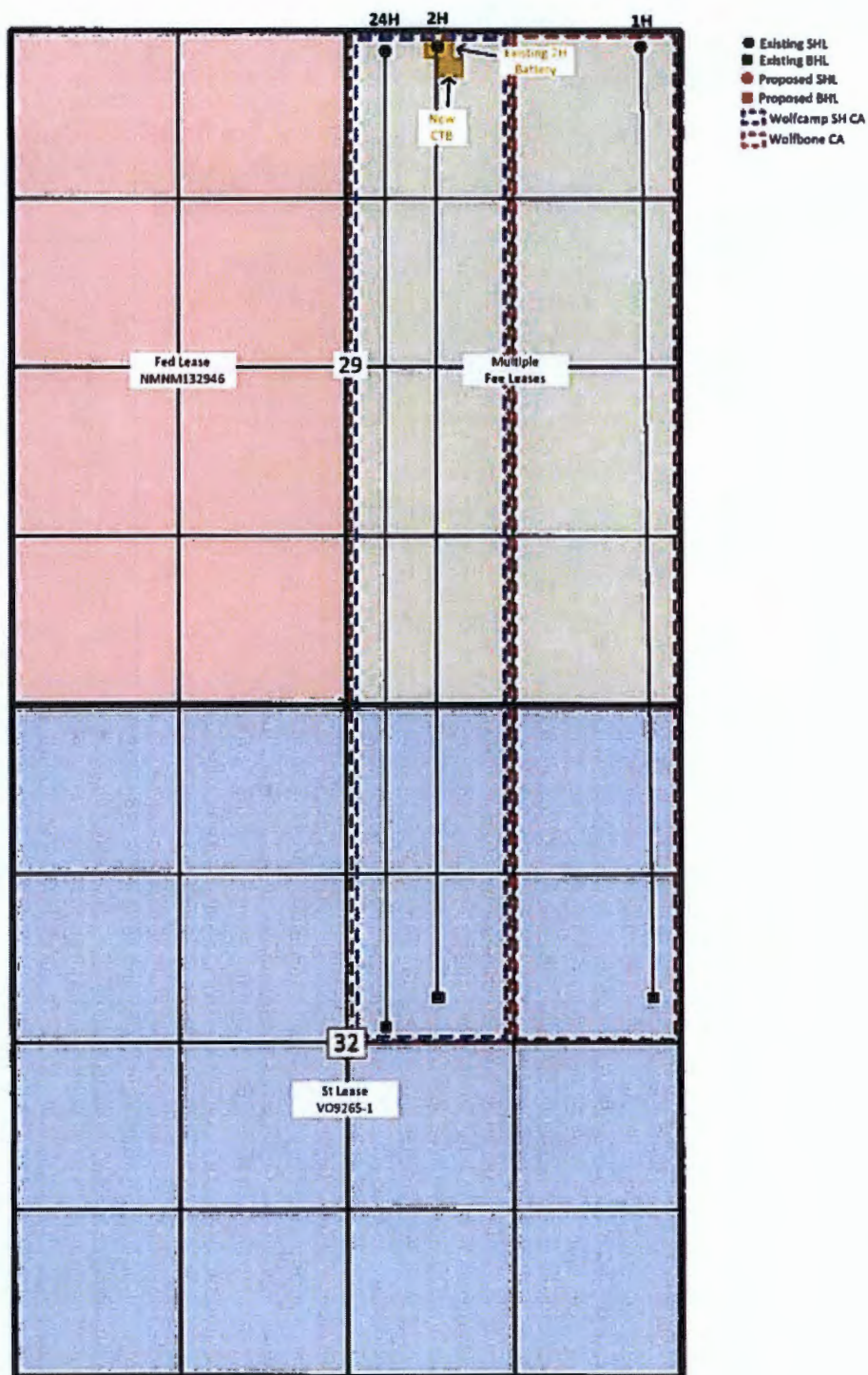
APRIL 5, 2017/MAY 29, 2017

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor

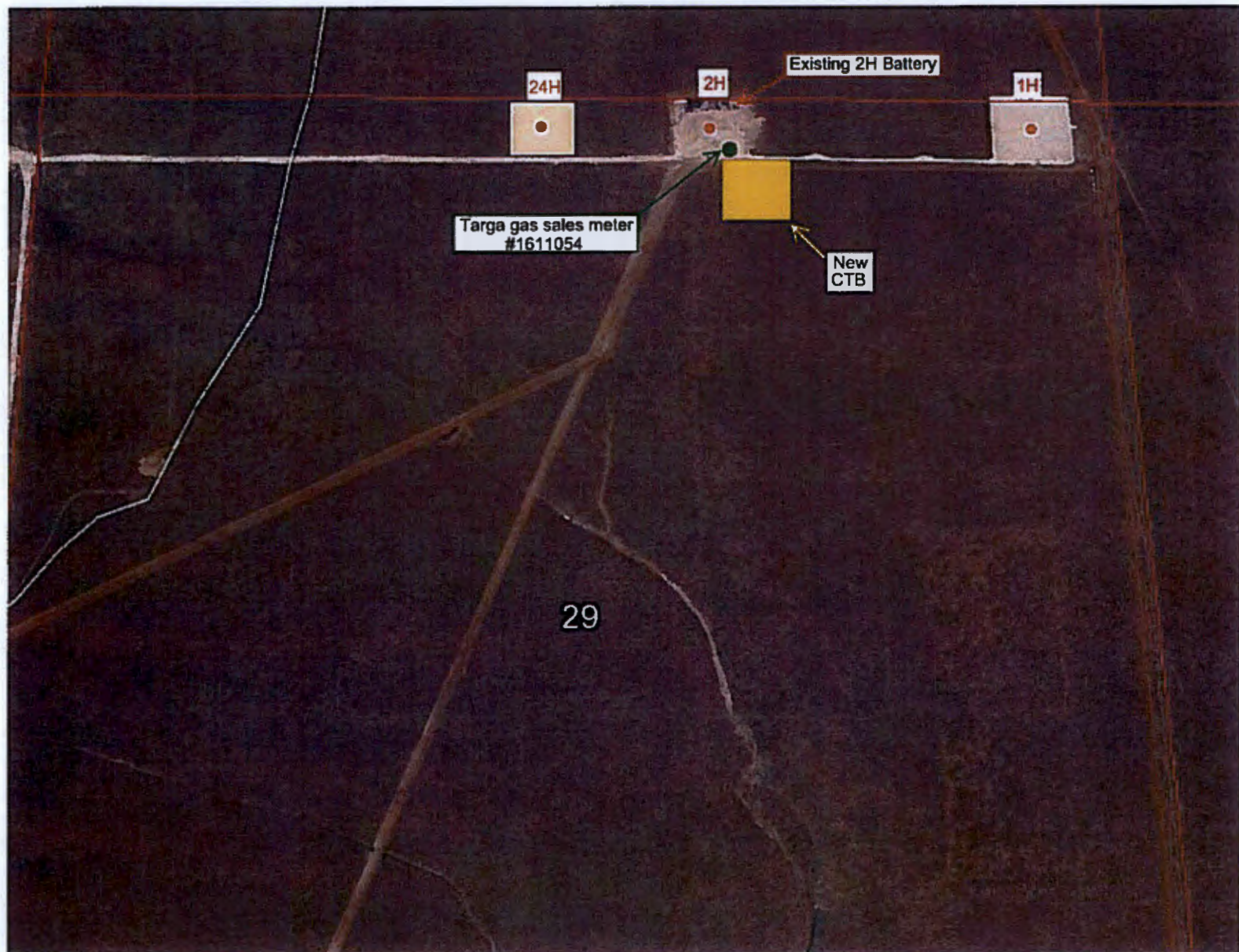


Chad Harcrow 7/25/17
Certificate No. CHAD HARCROW 17777



Viking Helmet State Com Wells
 Secs. 29, 32-T24S-R35E
 Lea County, NM

Viking Helmet State Com 1H, 2H & 24H



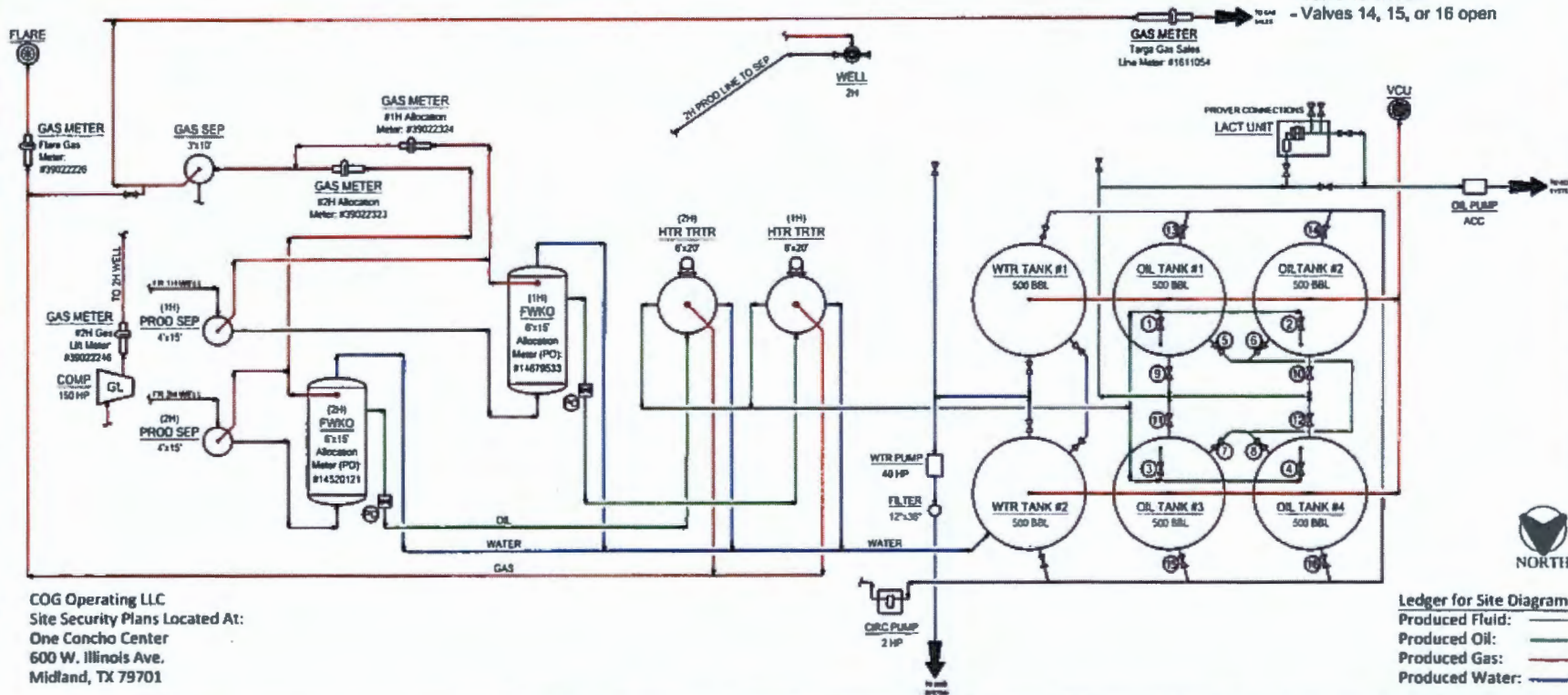
Sec. 29-T24S-R35E, Lea County, NM

VIKING HELMET STATE COM 2H BATTERY
NWNE SECTION 29, T24S, R35E, UNIT B
LEA COUNTY, NM

WELLS:
 VIKING HELMET STATE COM #001H: 30-025-42782
 VIKING HELMET STATE COM #002H: 30-025-42783

Production Phase - Oil Tank #1
 - Valve 1 open
 - Valves 2, 3, and 4 closed
 - Valves 5, 6, 7, and 8 open
 - Valves 9, 10, 11, and 12 closed
 - Valve 13 open
 - Valves 14, 15, and 16 closed

Sales Phase - Oil Tank #1
 - Valve 1 closed
 - Valves 2, 3, or 4 open
 - Valve 5 closed
 - Valves 6, 7, and 8 open
 - Valve 9 open
 - Valves 10, 11, and 12 closed
 - Valve 13 closed
 - Valves 14, 15, or 16 open



COG Operating LLC
 Site Security Plans Located At:
 One Concho Center
 600 W. Illinois Ave.
 Midland, TX 79701

Ledger for Site Diagram
 Produced Fluid: —
 Produced Oil: —
 Produced Gas: —
 Produced Water: —

CONFIDENTIALITY NOTES		REFERENCE DRAWINGS		REVISIONS		ENGINEERING RECORD	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
1	05/05/11	1	05/05/11	1	05/05/11	1	05/05/11
2	07/03/17	2	07/03/17	2	07/03/17	2	07/03/17
3	07/03/17	3	07/03/17	3	07/03/17	3	07/03/17
4	07/03/17	4	07/03/17	4	07/03/17	4	07/03/17
5	07/03/17	5	07/03/17	5	07/03/17	5	07/03/17
6	07/03/17	6	07/03/17	6	07/03/17	6	07/03/17
7	07/03/17	7	07/03/17	7	07/03/17	7	07/03/17
8	07/03/17	8	07/03/17	8	07/03/17	8	07/03/17
9	07/03/17	9	07/03/17	9	07/03/17	9	07/03/17
10	07/03/17	10	07/03/17	10	07/03/17	10	07/03/17
11	07/03/17	11	07/03/17	11	07/03/17	11	07/03/17
12	07/03/17	12	07/03/17	12	07/03/17	12	07/03/17
13	07/03/17	13	07/03/17	13	07/03/17	13	07/03/17
14	07/03/17	14	07/03/17	14	07/03/17	14	07/03/17
15	07/03/17	15	07/03/17	15	07/03/17	15	07/03/17
16	07/03/17	16	07/03/17	16	07/03/17	16	07/03/17
17	07/03/17	17	07/03/17	17	07/03/17	17	07/03/17
18	07/03/17	18	07/03/17	18	07/03/17	18	07/03/17
19	07/03/17	19	07/03/17	19	07/03/17	19	07/03/17
20	07/03/17	20	07/03/17	20	07/03/17	20	07/03/17

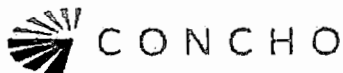
Type of Lease: State
 Property Code: 315251
 OGRID #: 229137

COG OPERATING LLC
 800 WEST ILLINOIS AVENUE
 MIDLAND, TEXAS 79701



NORTHWEST OIL & GAS ASSET
 PRODUCTION FACILITIES
 VIKING HELMET STATE COM 2H BATTERY

LEA COUNTY
 NORTHWEST OIL & GAS ASSET
 PRODUCTION FACILITIES
 VIKING HELMET STATE COM 2H BATTERY
 D-1700-81-003



July 20, 2017

New Mexico Oil Conservation Division
1220 S. Saint Francis Dr.
Santa Fe, NM 87505

RE: Viking Helmet State Com 1H
SHL: 190 FNL 380 FEL, Sec. 29-T24S-R35E
BHL: 2310 FSL 380 FEL, Sec. 32-T24S-R35E
Spacing Ut/CA: E/2E/2 Sec. 29, E/2NE/4 Sec. 32
Lea County, NM

Viking Helmet State Com 2H
SHL: 190 FNL 1980 FEL, Sec. 29-T24S-R35E
BHL: 2290 FNL 1959 FEL, Sec. 32-T24S-R35E
Spacing Ut/CA: W/2E/2 Sec. 29, W/2NE/4
Sec. 32
Lea County, NM

Viking Helmet State Com 24H
SHL: 210 FNL 2370 FEL, Sec. 29-T24S-R35E
BHL: 2240 FNL 2310 FEL, Sec. 32-T24S-R35E
Spacing Ut/CA: W/2E/2 Sec. 29, W/2NE/4, Sec. 32
Lea County, NM

To Whom It May Concern:

COG Operating LLC (COG) has drilled our Viking Helmet State Com 1H, 2H, and 24H wells. COG's plan is to commingle production as follows:

Oil – Viking Helmet State Com 1H and 2H; measured, stored and sold at 2H battery
Gas – Viking Helmet State Com 1H, 2H & 24H; sold through Targa gas sales meter at 2H battery

Please be advised that the leasehold ownership and percentage in all three wells is identical. The ownership in the spacing units attributed to these wells is also identical.

If you have any questions in regard to the information above, please feel free to contact the undersigned at 432-221-0465.

Respectfully,

COG Operating LLC

A handwritten signature in black ink, appearing to be "Mike Wallace".

Mike Wallace
Senior Landman