

HOBBS OCD

DISTRICT I
1025 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) 476-3480 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

MAR 14 2016

RECEIVED

Form C-102

Revised August 1, 2011

Copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 43124	Pool Code 41440	Pool Name Lusk; Bone Spring
Property Code 308161	Property Name LUSK DEEP UNIT A	Well Number 31H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3591.0

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	20	19-S	32-E		500'	NORTH	190'	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
D	20	19-S	32-E		380'	NORTH	330'	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

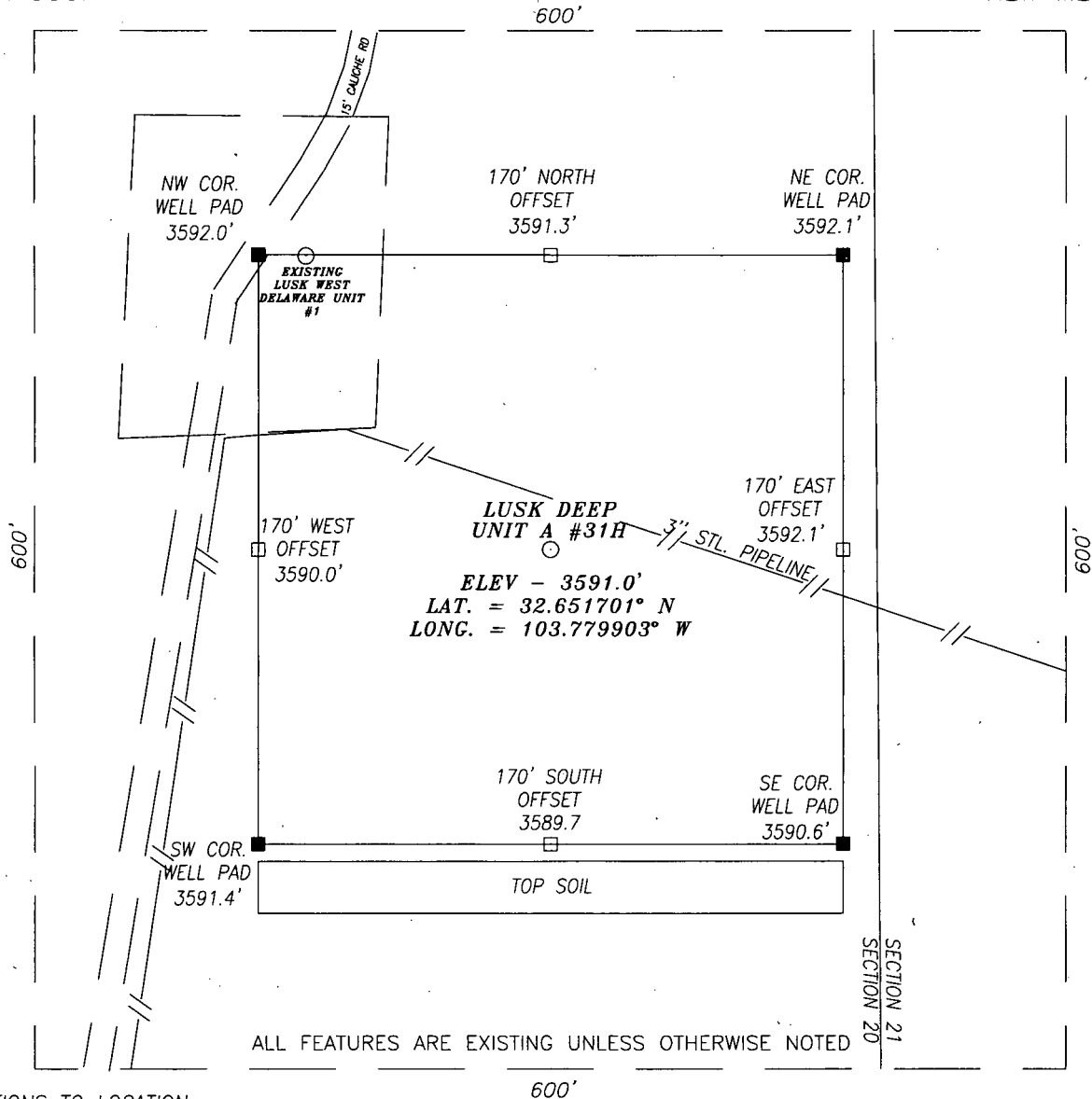
PRODUCING AREA Y=601725.1 N X=665234.6 E PROJECT AREA GRID AZ. - 271°14'13" HORZ. DIST. - 4771.0' NMLC0065710A Y=601744.5 N X=670523.6 E		OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either 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. <i>Melanie J Wilson</i> 4/17/15 Signature Date Melanie J Wilson Printed Name mwilson@concho.com E-mail Address
Y=600405.7 N X=665243.8 E NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=601347.0 N X=665567.3 E LAT.=32.625052° N LONG.=103.795398° W NAD 27 SURFACE LOCATION Y=601244.0 N X=670337.2 E LAT.=32.651701° N LONG.=103.779903° W Y=600424.3 N X=670533.1 E		
		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. JANUARY 25, 2015 Date of Survey Signature & Seal of Professional Surveyor <i>Chad L. Harcrow</i> 2/25/15 Certificate No. CHAD HARCROW 17777 W.O. # 15-74 DRAWN BY: AF

MAR 14 2016
MAR 14 2016

SECTION 20, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,

LEA COUNTY

NEW MEXICO



DIRECTIONS TO LOCATION

HEADING SOUTH ON MALJAMAR ROAD TURN LEFT (WEST) 0.5 MILE BEFORE LUSK ROAD ONTO A CALICHE AND GO APPROX. 0.7 MILES; THEN TURN RIGHT (SOUTHEAST) AND GO APPROX. 0.3 MILE; THEN TURN RIGHT (SOUTHWEST) AND GO APPROX. 0.1 MILE TO THE EXISTING LUSK WEST UNIT A#1 WELL PAD; THEN PROPOSED WELL IS LOCATED APPROX. 120 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF EXISTING WELL PAD.

CERTIFICATION

I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777

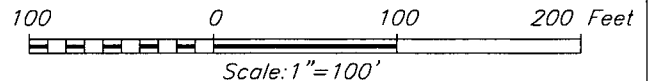
1/27/16
DATE

HARCROW SURVEYING, LLC

2314 W. MAIN ST, ARTESIA, N.M. 88210

PH: (575) 746-2158 FAX: (575) 746-2158

c.harcrow@harcrowsurveying.com



COG OPERATING, LLC

LUSK DEEP UNIT A #31H WELL
LOCATED 500 FEET FROM THE NORTH LINE
AND 190 FEET FROM THE EAST LINE OF SECTION 20,
TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 01/25/2015

PAGE: 1 OF 1

DRAFTING DATE: 02/16/2015

APPROVED BY: CH

DRAWN BY: AF

FILE: 15-74



COG Operating LLC
2208 West Main Street
Artesia, NM 88210

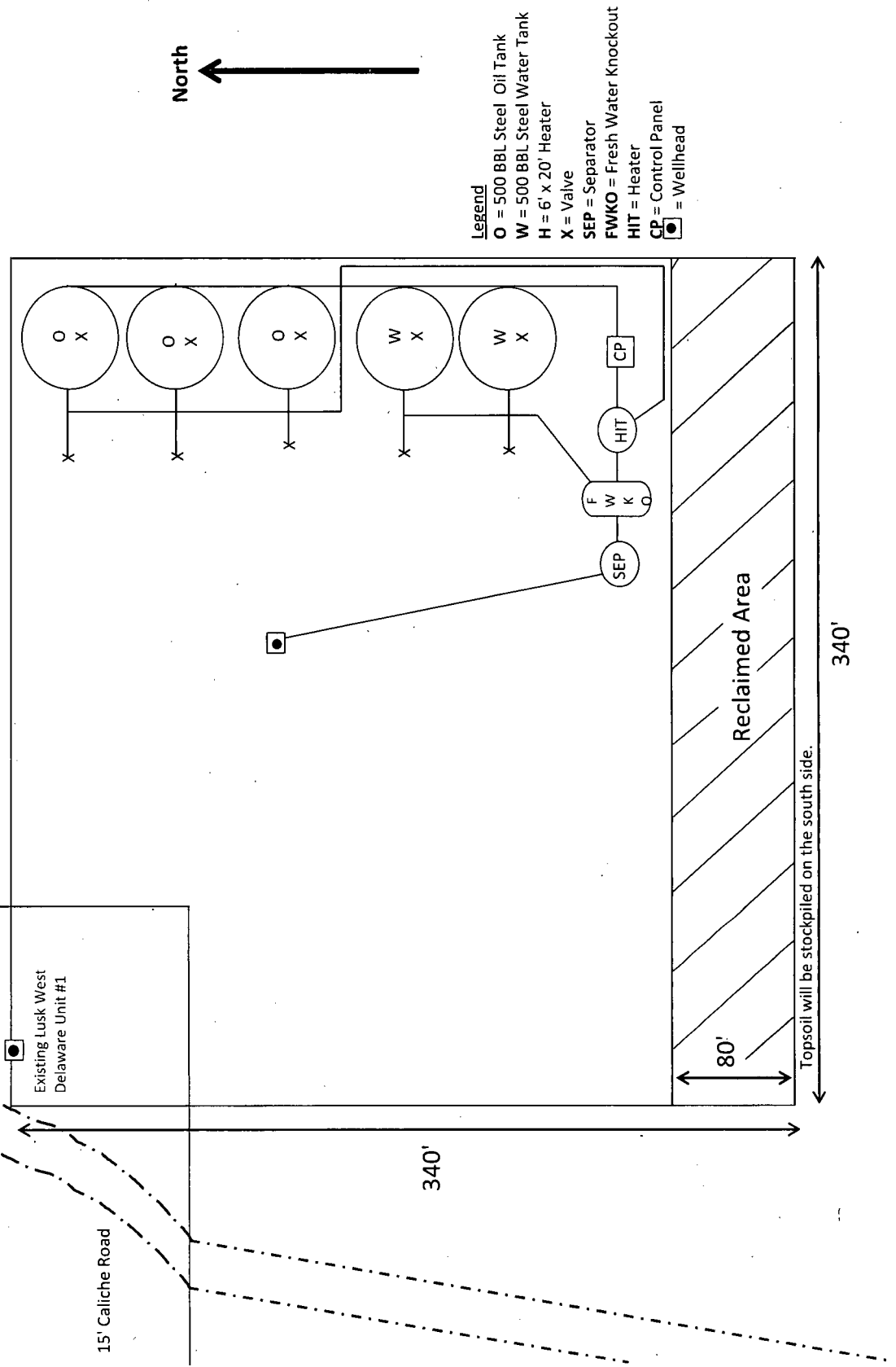
Well Site Layout

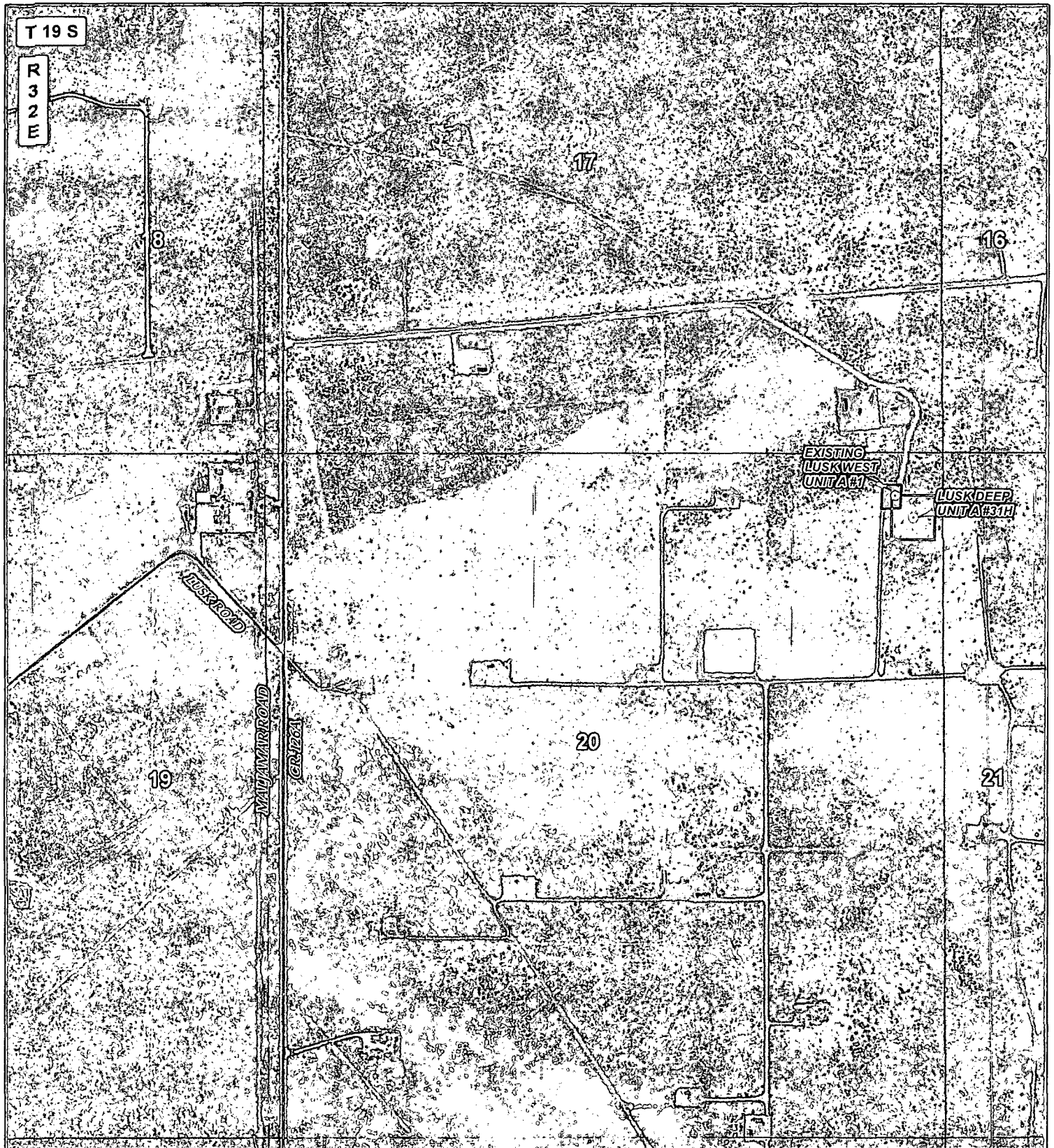
Production Facility Layout

Lusk Deep Unit A #31H

Section 20 - T19S - R32E

Exhibit 3



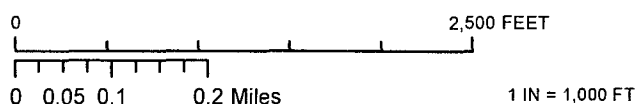


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

LUSK DEEP UNIT A #31H

SEC: 20 TWP: 19 S. RGE: 32 E. ELEVATION: 3591.0'
 STATE: NEW MEXICO COUNTY: LEA 500' FNL & 190 FEL
 W.O. # 15-74 LEASE: LUSK DEEP UNIT A SURVEY: N.M.P.M



LOCATION MAP

IMAGERY

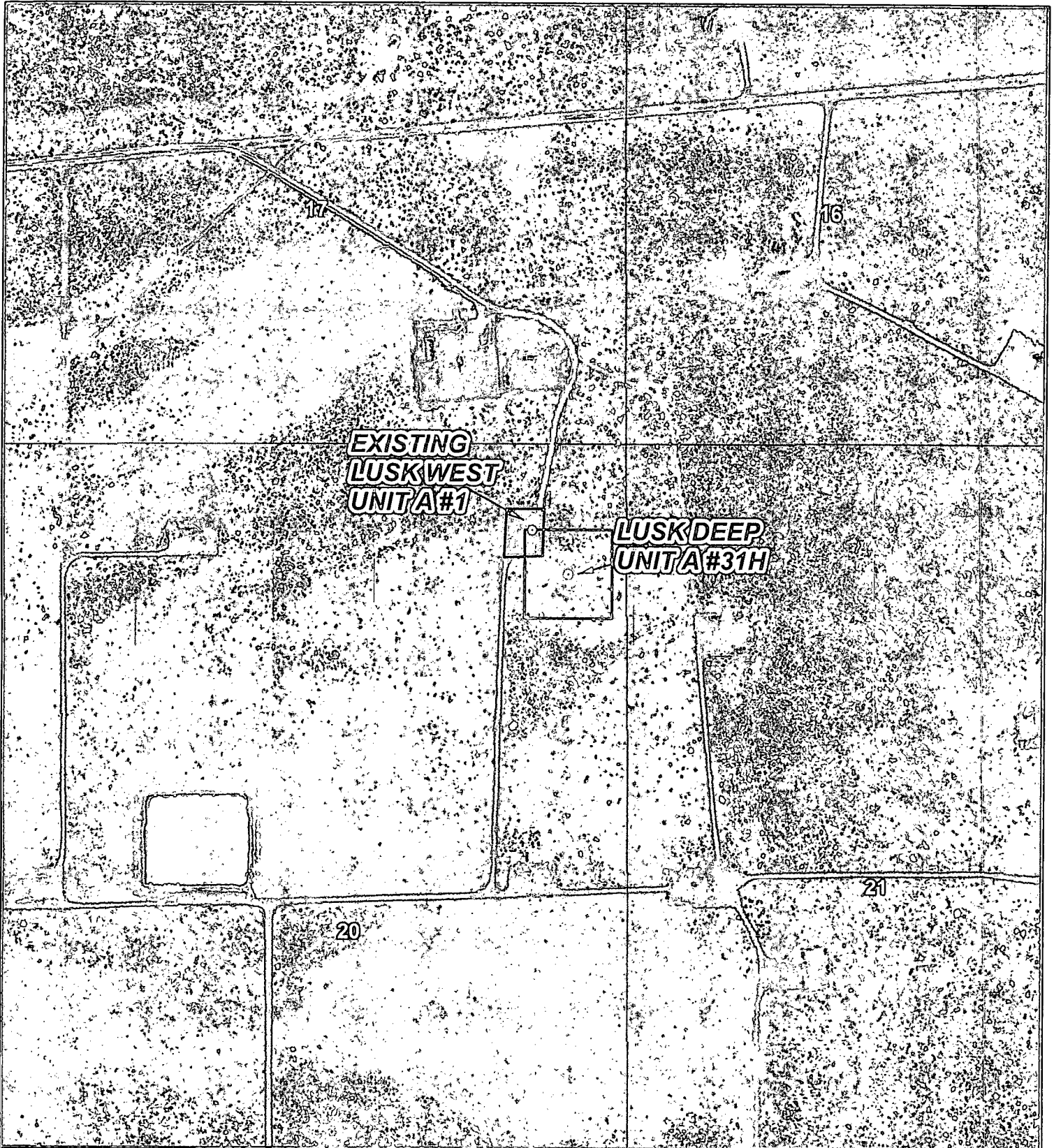
02/16/2015

A.F

CONCHO
 COG OPERATING, LLC



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 c.harcrow@harcrowsurveying.com



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

LUSK DEEP UNIT A #31H

SEC: 20	TWP: 19 S.	RGE: 32 E.	ELEVATION: 3591.0'
STATE: NEW MEXICO		COUNTY: LEA	500' FNL & 190 FEL
W.O. # 15-74		LEASE: LUSK DEEP UNIT A	SURVEY: N.M.P.M

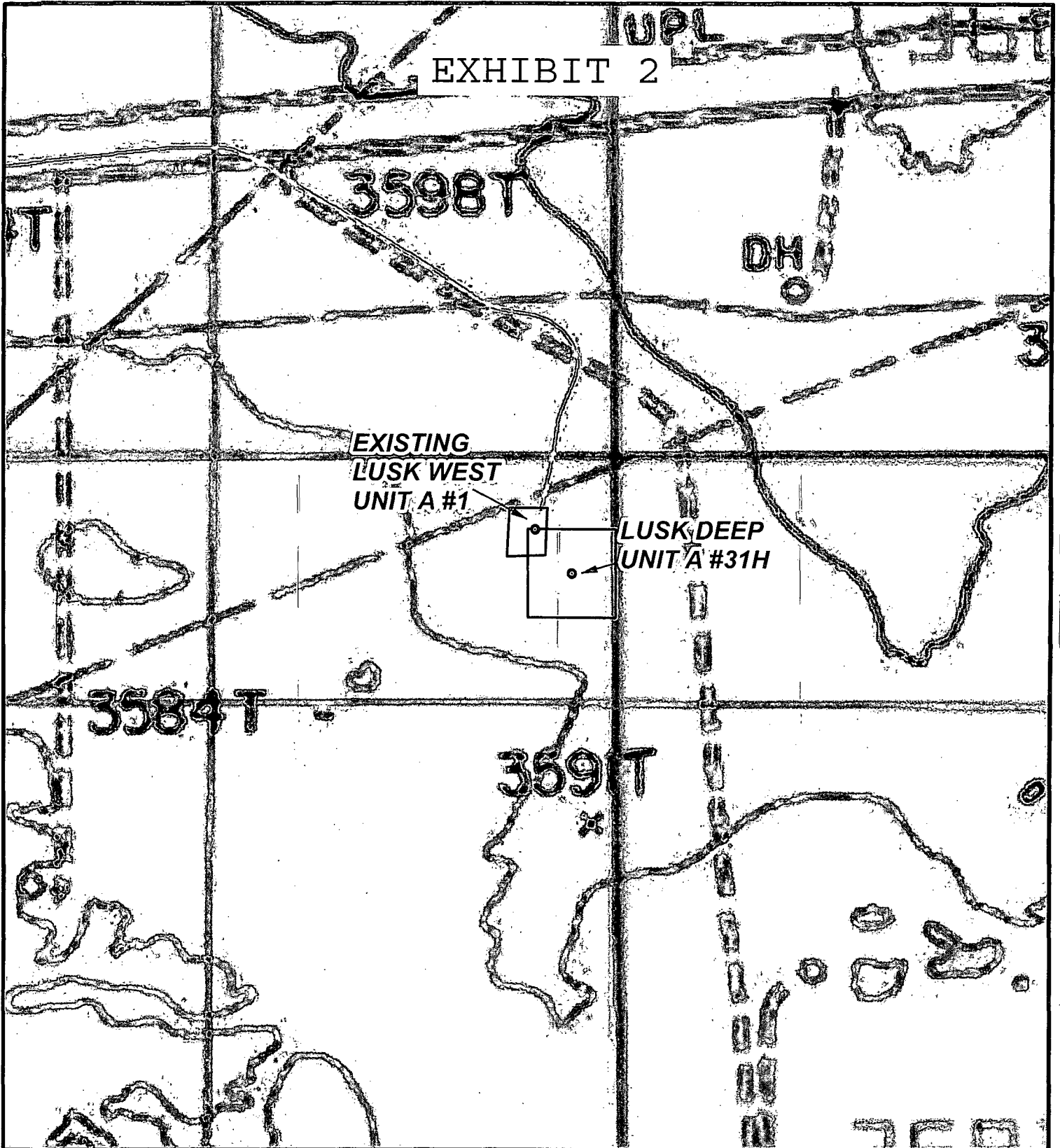
0 0.03250.065 0.13 Miles 1 IN = 500 FT

LOCATION MAP IMAGERY ROAD 02/16/2015 A.F.


COG OPERATING, LLC

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EXHIBIT 2



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

LUSK DEEP UNIT A #31H

SEC: 20 TWP: 19 S. RGE: 32 E. ELEVATION: 3591.0'
 STATE: NEW MEXICO COUNTY: LEA 500' FNL & 190 FEL
 W.O. # 15-74 LEASE: LUSK DEEP UNIT A SURVEY: N.M.P.M

0 0.03250.065 0.13 Miles 1 IN = 500 FT

LOCATION MAP TOPO ROAD 02/16/2015 A.F

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T 19 S

R
3
2
E

EXHIBIT 4

07

08

09

10

18

17

16

15

380' FNL & 330' FWL

LUSK DEEP
UNIT A #31H

19

20

21

22

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29

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27

DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JANUARY 12, 2015.

LEGEND

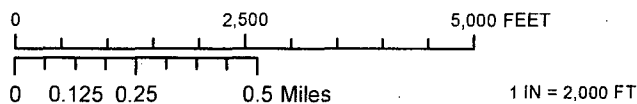
- WELL
- BOTTOMHOLE
- WELLS WITHIN 1 MI.
- 1 MI. BUFFER

LUSK DEEP UNIT A #31H

SEC: 20 TWP: 19 S. RGE: 32 E. ELEVATION: 3591.0'

STATE: NEW MEXICO COUNTY: LEA 500' FNL & 190 FEL

W.O. # 15-74 LEASE: LUSK DEEP UNIT A SURVEY: N.M.P.M



1 MILE MAP

02/16/2015

A.F.

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