

APR 21 2016

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6181 Fax: (505) 393-0720

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

RECEIVED
Revised August 1, 2011
Submit one copy to appropriate
District Office

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 43169	Pool Code 41450	Pool Name Lusk; Bone Spring; North
Property Code 308229	Property Name SPRUCE GOOSE FEDERAL COM	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3623.7

Surface Location


UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2/E	7	19-S	32-E		1980	NORTH	210	WEST	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	7	19-S	32-E		1980	NORTH	330	EAST	LEA

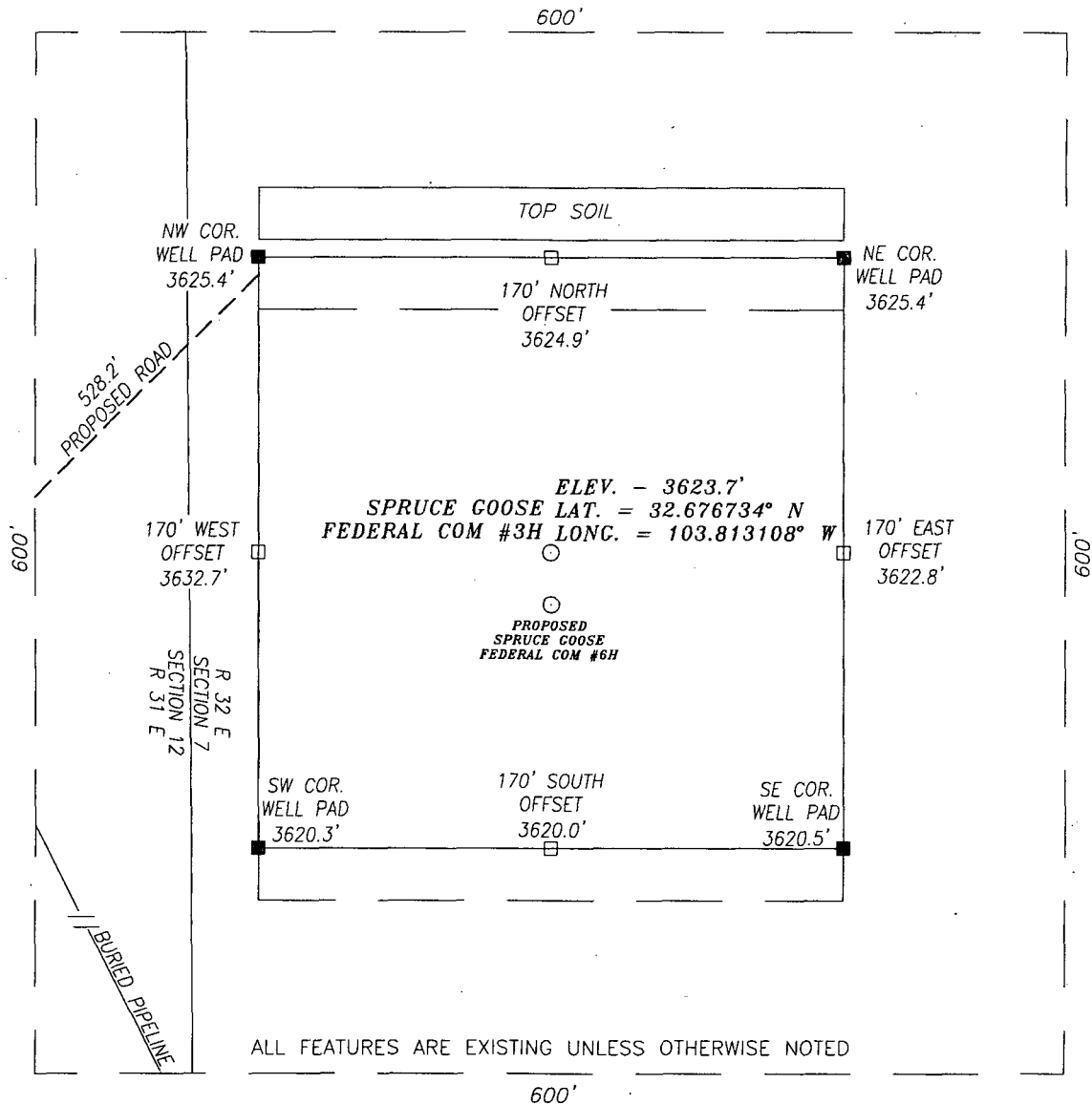
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160.86			

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

<p>LOT 1 40.90 AC</p> <p>1980'</p> <p>As per LR2000 Lot 2 40.86 Ac</p> <p>Y=610957.6 N X=659857.5 E</p> <p>Y=610970.3 N X=665172.5 E</p> <p>LOT 2 40.80 AC</p> <p>NMN104685</p> <p>NMN099041</p> <p>GRID AZ. - 296°51'51"</p> <p>HORZ. DIST. - 4774.6'</p> <p>210' S.L.</p> <p>PRODUCING AREA</p> <p>PROJECT AREA</p> <p>NAD 27</p> <p>SURFACE LOCATION Y=610299.3 N X=660072.2 E LAT.=32.676734° N LONG.=103.813108° W</p> <p>NAD 27</p> <p>PROPOSED BOTTOM HOLE LOCATION Y=610310.6 N X=664846.9 E LAT.=32.676700° N LONG.=103.797591° W</p> <p>Y=609636.9 N X=659866.9 E</p> <p>Y=609649.1 N X=665181.3 E</p> <p>LOT 3 40.65 AC</p> <p>LOT 4 40.51 AC</p>		<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Melanie J Wilson</i> 8/18/15</p> <p>Signature Date</p> <p>Melanie J Wilson</p> <p>Printed Name</p> <p>mwilson@concho.com</p> <p>E-mail Address</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>APRIL 7, 2015</p> <p>Date of Survey</p> <p>Signature & Seal of Professional Surveyor</p> <p></p> <p><i>Chad L. Harcrow</i> 5/1/15</p> <p>Certificate No. CHAD HARCROW 17777</p> <p>W.O. # 15-358 DRAWN BY: AF</p>
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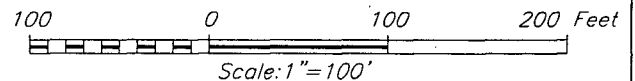
APR 25 2016

SECTION 7, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

HEADING NORTH FROM THE INTERSECTION OF LUSK ROAD AND MALJAMAR ROAD (CR-126) GO APPROX. 1.5 MILES AND TURN LEFT (WEST); GO APPROX. 1.3 MILES AND TURN RIGHT (EAST) AND GO APPROX. .2 MILES TO EXISTING WELL PAD (PIPER FEDERAL #1) AND PROPOSED ROAD IS ON THE NORTH LINE OF PAD



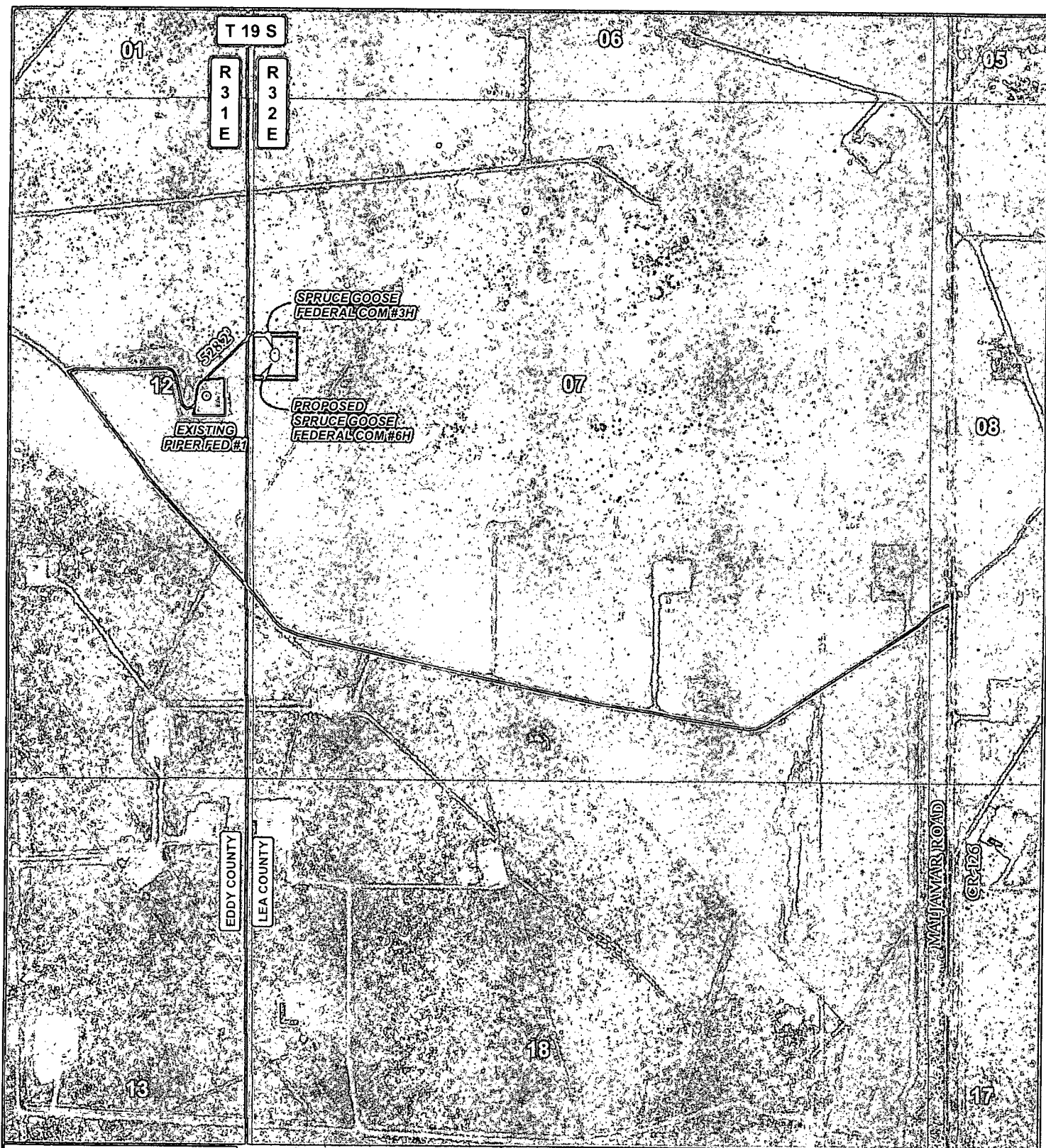
HARCROW SURVEYING, LLC
2314 W. MAIN ST, ARTESIA, N.M. 88210
PH: (575) 746-2158 FAX: (575) 746-2158
c.harcrow@harcrowsurveying.com



COG OPERATING, LLC

SPRUCE GOOSE FEDERAL COM #3H WELL
LOCATED 1950 FEET FROM THE NORTH LINE
AND 210 FEET FROM THE WEST LINE OF SECTION 7,
TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 04/07/2015	PAGE: 1 OF 1
DRAFTING DATE: 06/24/2015	
APPROVED BY: CH	DRAWN BY: SP FILE: 15-358



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SPRUCE GOOSE FEDERAL COM #3H

SEC: 7 TWP: 19 S. RGE: 32 E. ELEVATION: 3623.7'

STATE: NEW MEXICO COUNTY: LEA 1980' FNL & 210' FWL

W.O. # 15-358 LEASE: SPRUCE GOOSE FED COM SURVEY: N.M.P.M

0 2,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 1,000 FT

LOCATION MAP

IMAGERY ROAD

06/24/2015

S.P.

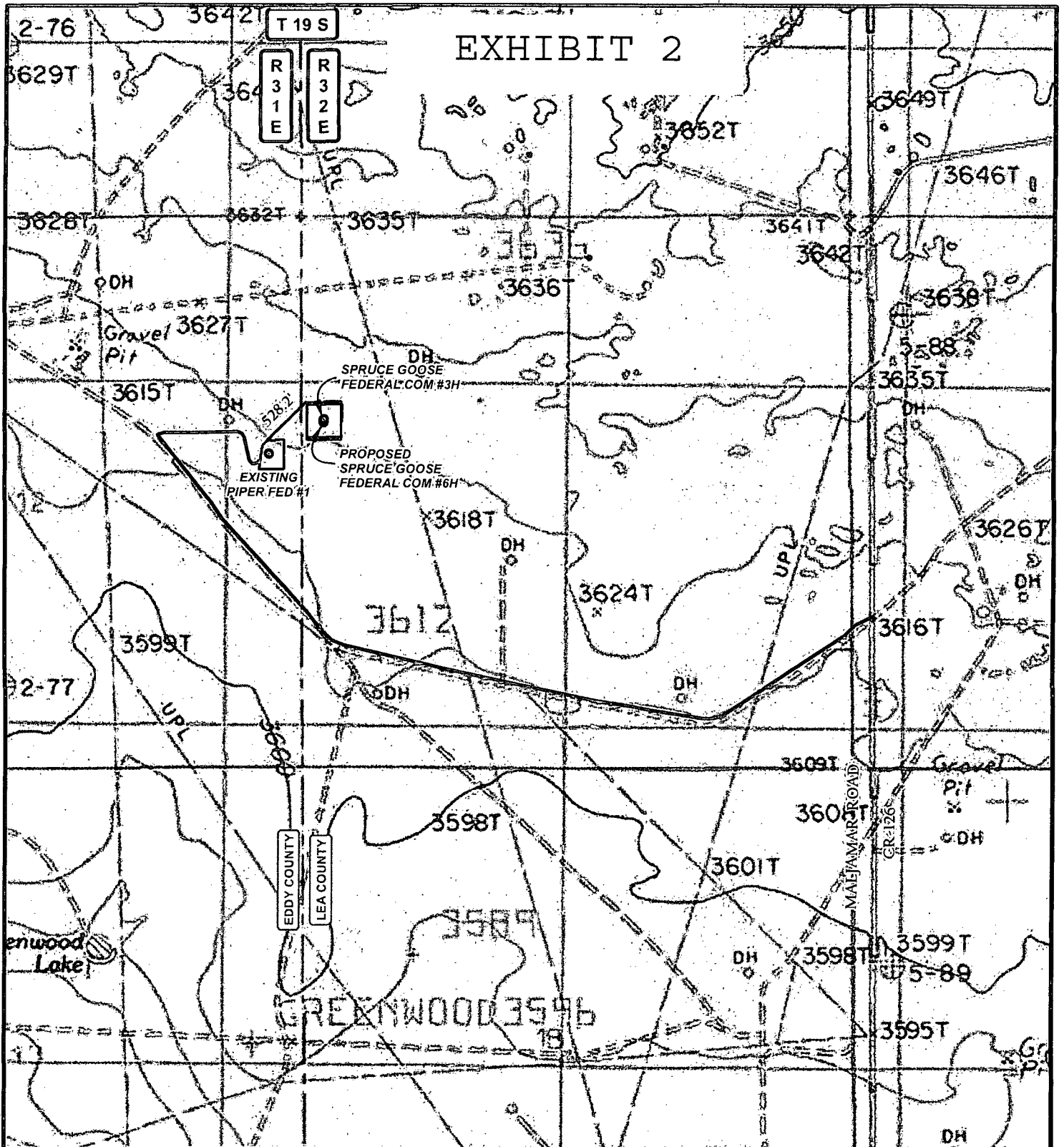


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EXHIBIT 2



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SPRUCE GOOSE FEDERAL COM #3H

SEC: 7 TWP: 19 S. RGE: 32 E. ELEVATION: 3623.7'

STATE: NEW MEXICO COUNTY: LEA 1980' FNL & 210' FWL

W.O. # 15-358 LEASE: SPRUCE GOOSE FED COM SURVEY: N.M.P.M

0 2,500 FEET

0 0.075 0.15 0.3 Miles

1 IN = 1,250 FT

LOCATION MAP

TOPO ROAD

06/24/2015

S.P.



COG OPERATING, LLC



HARCROW SURVEYING, LLC.

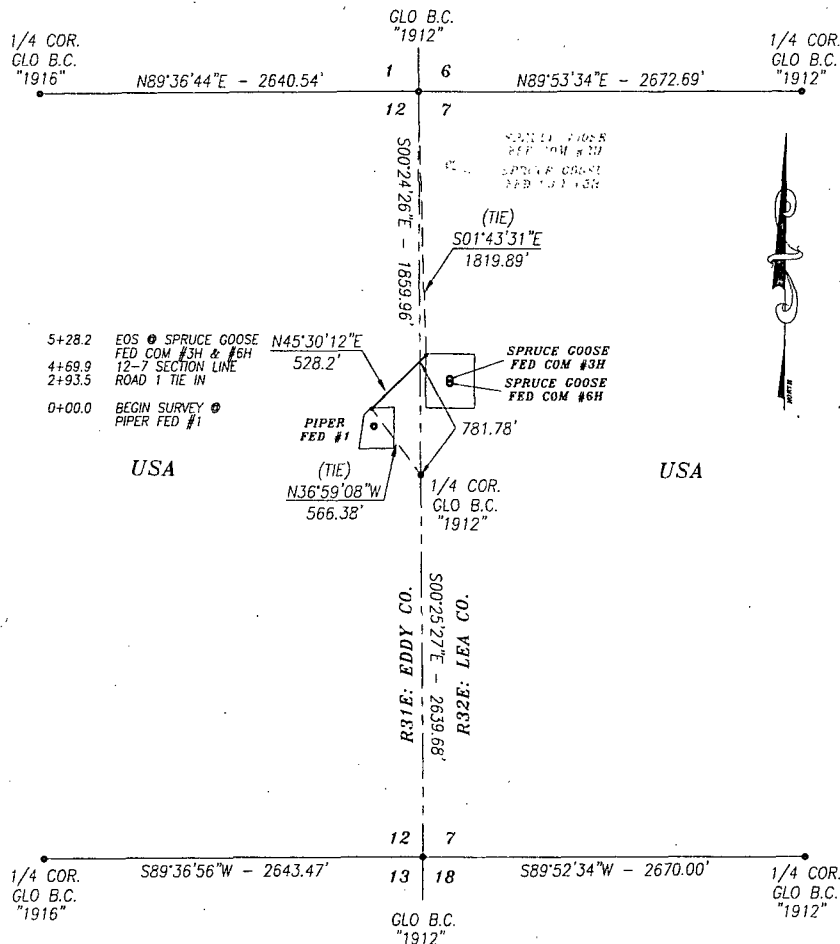
2314 W. MAIN ST, ARTESIA, NM 88210

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ACCESS ROAD PLAT: ROAD 1 COG OPERATING, LLC.

AN ACCESS ROAD FROM THE PIPER FED #1 TO THE SPRUCE GOOSE FED COM #3H & #6H
SECTIONS 7 & 12, TOWNSHIP 19 SOUTH, RANGE 31 & 32 EAST, N.M.P.M.,
EDDY & LEA COUNTY, NEW MEXICO.



DESCRIPTION

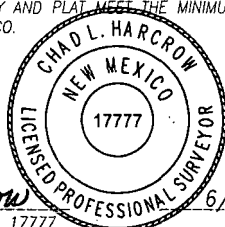
A STRIP OF LAND 30.0 FEET WIDE AND 528.2 FEET OR 32.01 RODS OR 0.100 MILES IN LENGTH CROSSING USA LAND IN SECTIONS 7 & 12, TOWNSHIP 19 SOUTH, RANGE 31 & 32 EAST, EDDY & LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

BASIS OF BEARING:
BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE GRID VALUES.

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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

6/25/15
DATE

1000 0 1000 2000 FEET
SCALE: 1"=1000'

COG OPERATING, LLC

SURVEY OF AN ACCESS ROAD LOCATED IN SECTIONS 7 & 12, TOWNSHIP 19 SOUTH, RANGE 31 & 32 EAST, EDDY & LEA COUNTY, NMPM, NEW MEXICO

SURVEY DATE: JUNE 1, 2015

ROAD 1

DRAFTING DATE: JUNE 24, 2015

PAGE 1 OF 1

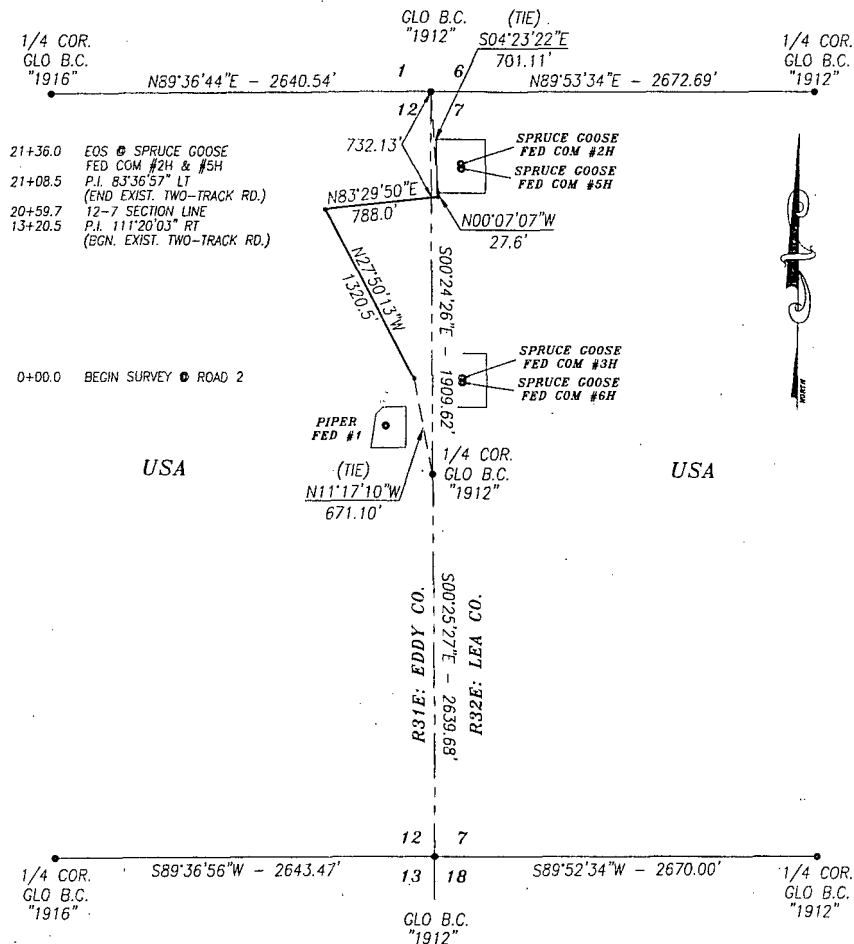
APPROVED BY: CH

DRAWN BY: SP

FILE: 15-666

ACCESS ROAD PLAT: ROAD 2 COG OPERATING, LLC.

AN ACCESS ROAD FROM PROPOSED ROAD 1 TO THE SPRUCE GOOSE FED COM #2H & #5H
SECTIONS 7 & 12, TOWNSHIP 19 SOUTH, RANGE 31 & 32 EAST, N.M.P.M.,
EDDY & LEA COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 2136.0 FEET OR 129.45 RODS OR 0.405 MILES IN LENGTH CROSSING USA LAND IN SECTIONS 7 & 12, TOWNSHIP 19 SOUTH, RANGE 31 & 32 EAST, EDDY & LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

BASIS OF BEARING:

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE GRID VALUES.

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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.

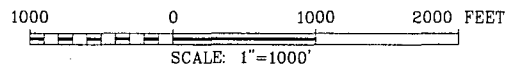


Chad Harcrow

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

6/25/15

DATE



COG OPERATING, LLC

SURVEY OF AN ACCESS ROAD LOCATED IN SECTIONS 7 & 12, TOWNSHIP 19 SOUTH, RANGE 31 & 32 EAST, EDDY & LEA COUNTY, NMPM, NEW MEXICO

SURVEY DATE: JUNE 1, 2015

ROAD 2

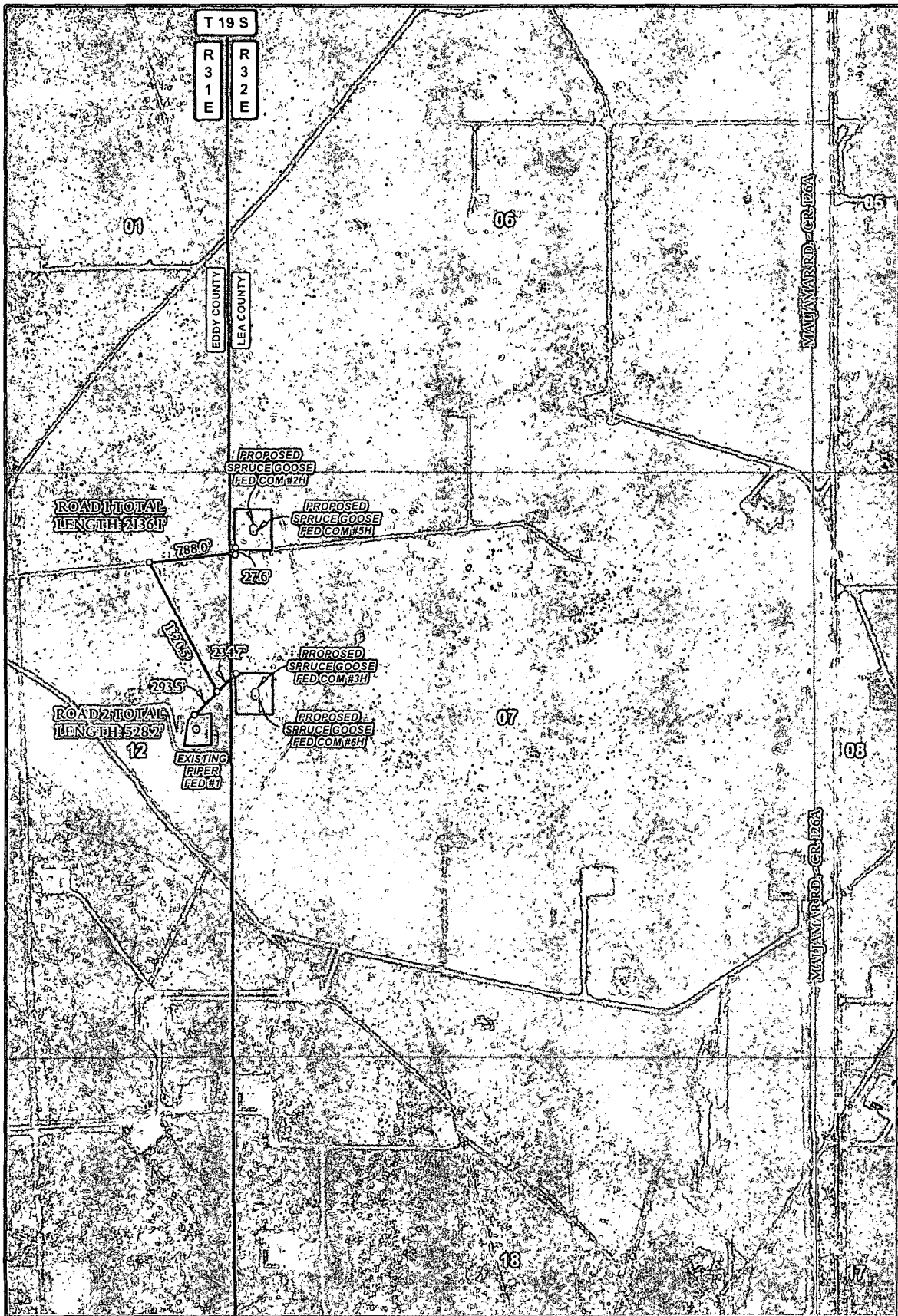
DRAFTING DATE: JUNE 24, 2015

PAGE 1 OF 1

APPROVED BY: CH

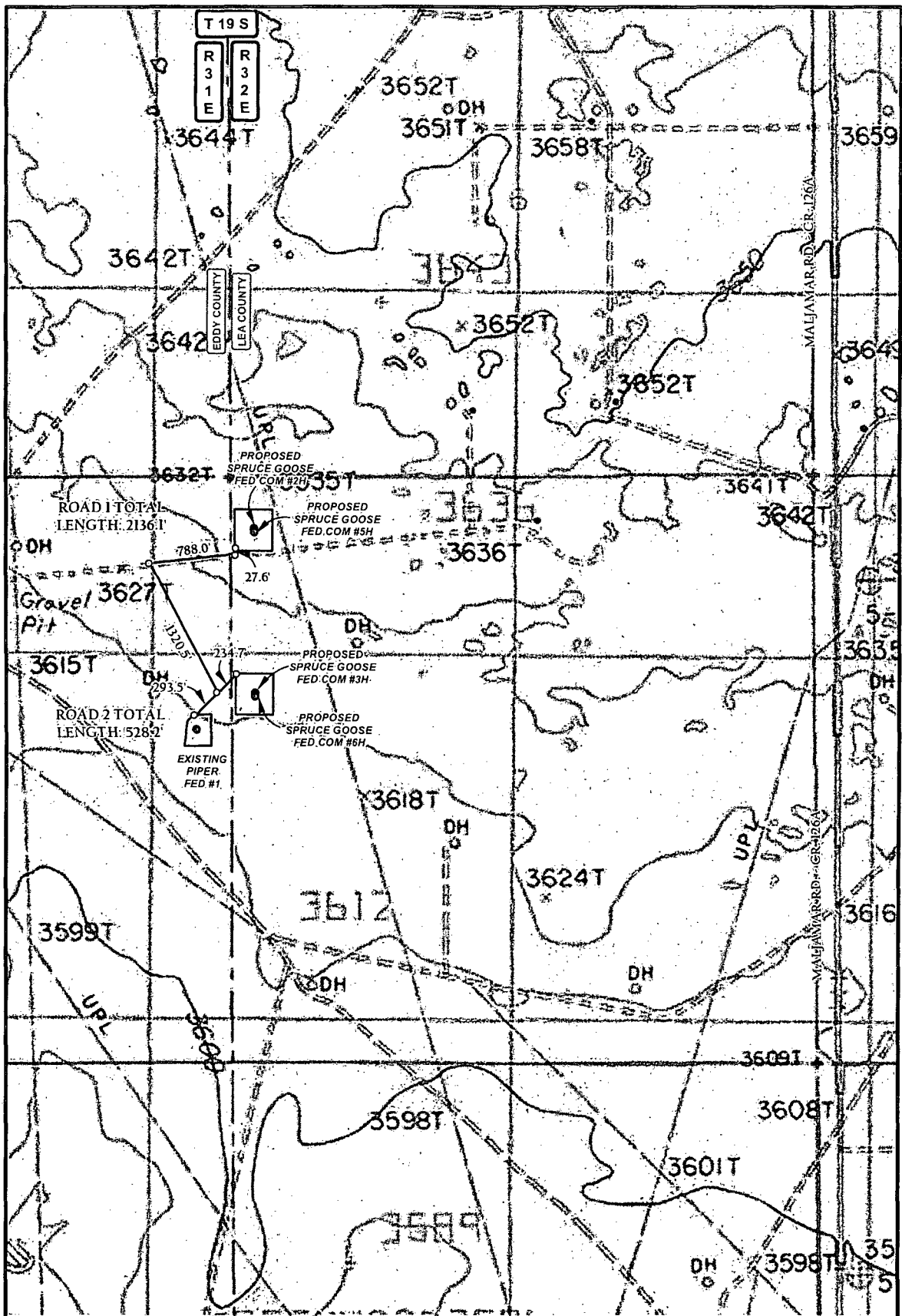
DRAWN BY: SP

FILE: 15-666



LEGEND ○ WELL □ WELLPAD — PROP. ROAD 2 — PROP. ROAD 1		SPRUCE GOOSE FED COM ROAD SECTIONS: 7 & 12 TOWNSHIP: 19 S. RANGE: 31 & 32 E. STATE: NEW MEXICO COUNTY: EDDY & LEA SURVEY: N.M.P.M W.O. # 15-666 LEASE: SPRUCE GOOSE FED COM	
ROAD OVERVIEW		IMAGERY	
06/24/2015		S.P.	

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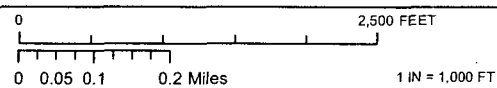


LEGEND

- WELL
- WELLPAD
- PROP. ROAD 2
- PROP. ROAD 1

SPRUCE GOOSE FED COM ROAD

SECTIONS: 7 & 12 TOWNSHIP: 19 S. RANGE: 31 & 32 E.
 STATE: NEW MEXICO COUNTY: EDDY & LEA SURVEY: N.M.P.M
 W.O. # 15-666 LEASE: SPRUCE GOOSE FED COM



ROAD OVERVIEW

TOPO

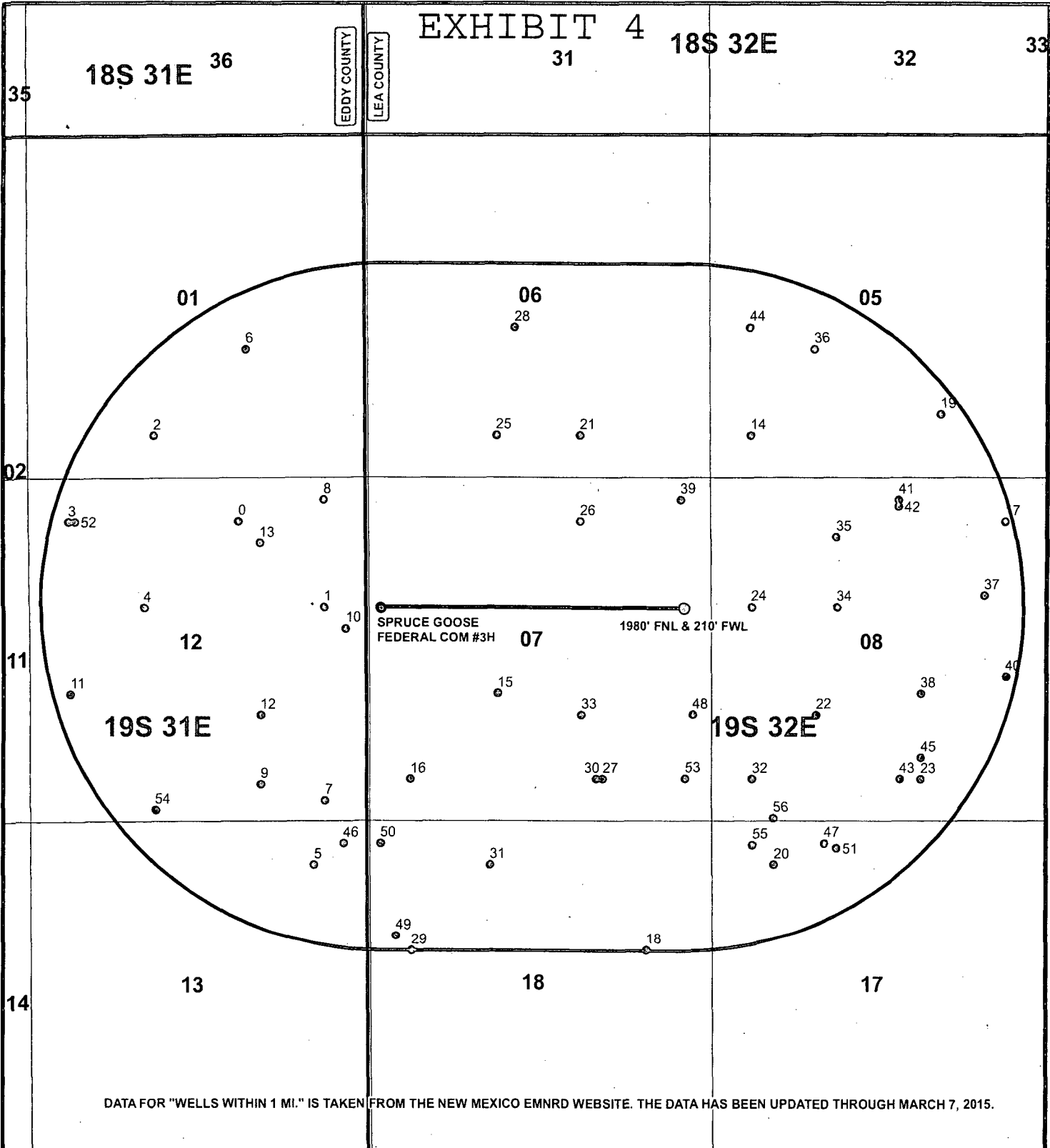
06/24/2015

S.P.

CONCHO
 COG OPERATING, LLC

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EXHIBIT 4



DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH MARCH 7, 2015.

LEGEND

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

SPRUCE GOOSE FEDERAL COM #3H

SEC: 7 TWP:19 S. RGE:32 E. ELEVATION:3623.7'

STATE: NEW MEXICO COUNTY: LEA 1980' FNL & 210' FWL

W.O. # 15-358 LEASE: SPRUCE GOOSE FED COM SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.125 0.25 0.5 Miles 1 IN = 2,000 FT

1 MILE MAP

04/13/2015

A.F



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