

HOBBS OGD

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

APR 18 2016

Form C-102

Revised August 1, 2011

RECEIVED
District Office☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|------------------------------------|--------------------------------------|-------------------------------------|
| API Number 30-025- 43164 | Pool Code 96553 | Pool Name Ojo Chiso; Bone Spring |
| Property Code 316103 | Property Name SQUINTS FEDERAL COM | Well Number 4H |
| GRID No. 229137 | Operator Name COG OPERATING, LLC | Elevation 3405.0' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M | 27 | 22-S | 34-E | | 190 | SOUTH | 660 | 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 |
|------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| D | 22 | 22-S | 34-E | | 330 | NORTH | 660 | WEST | LEA |
| Dedicated Acres 320 | 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

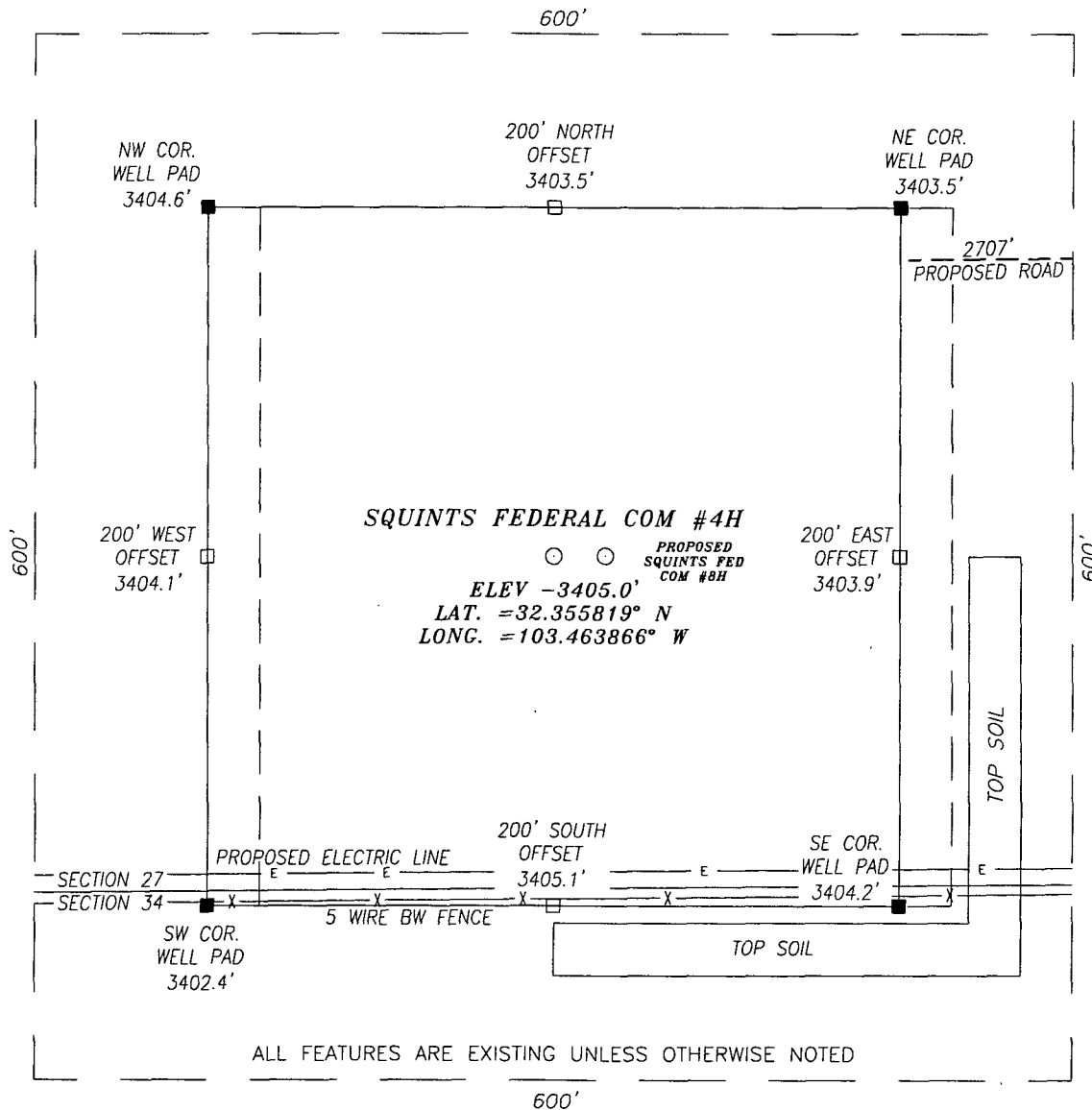
| | | | | | | |
|--|--|---|--|-------------------------------------|--|---|
| <p>Y=504616.2 N X=767767.3 E</p> <p>NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=504292.5 N X=768429.3 E LAT.=32.383416° N LONG.=103.463794° W</p> <p>NAD 27 SURFACE LOCATION Y=494252.8 N X=768488.5 E LAT.=32.355819° N LONG.=103.463866° W</p> <p>Y=494057.4 N X=767830.0 E</p> | | <p>Y=504628.7 N X=769087.9 E</p> <p>NMNM043565</p> <p>NMNM043564</p> <p>NMNM043565</p> <p>Y=494068.1 N X=769150.2 E</p> | | <p>SECTION 22</p> <p>SECTION 27</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> 7/22/15 Signature Date Melanie J Wilson Printed Name mwilson@concho.com 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>JANUARY 9, 2015 Date of Survey</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Chad L. Harcrow</i> 6/12/15 Certificate No. CHAD HARCROW 17777 W.O. #15-708 DRAWN BY: AF</p> |
|--|--|---|--|-------------------------------------|--|---|

APR 22 2016

SECTION 27, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,

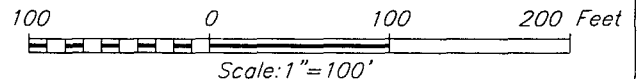
LEA COUNTY

NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HWY 128 AND DELAWARE BASIN ROAD GO NORTH ON DELAWARE BASIN RD. APPROX. 9 MILES TO SHARP RIGHT TURN; THEN CONTINUE ON DELAWARE BASIN RD. APPROX. 4.2 MILES TO A CALICHE LEASE ROAD ON THE LEFT (NORTH); THEN GO ALONG LEASE ROAD APPROX. 2.1 MILES; THEN TURN LEFT (WEST) AND GO APPROX. 1 MILES TO A PROPOSED ROAD ON THE LEFT (SOUTHWEST); PROPOSED WELL IS APPROX. 2875 FEET ALONG PROPOSED ROAD.



HARCROW SURVEYING, LLC
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COG OPERATING, LLC

SQUINTS FEDERAL COM #4H WELL
LOCATED 190 FEET FROM THE SOUTH LINE
AND 660 FEET FROM THE WEST LINE OF SECTION 27,
TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 07/08/2015

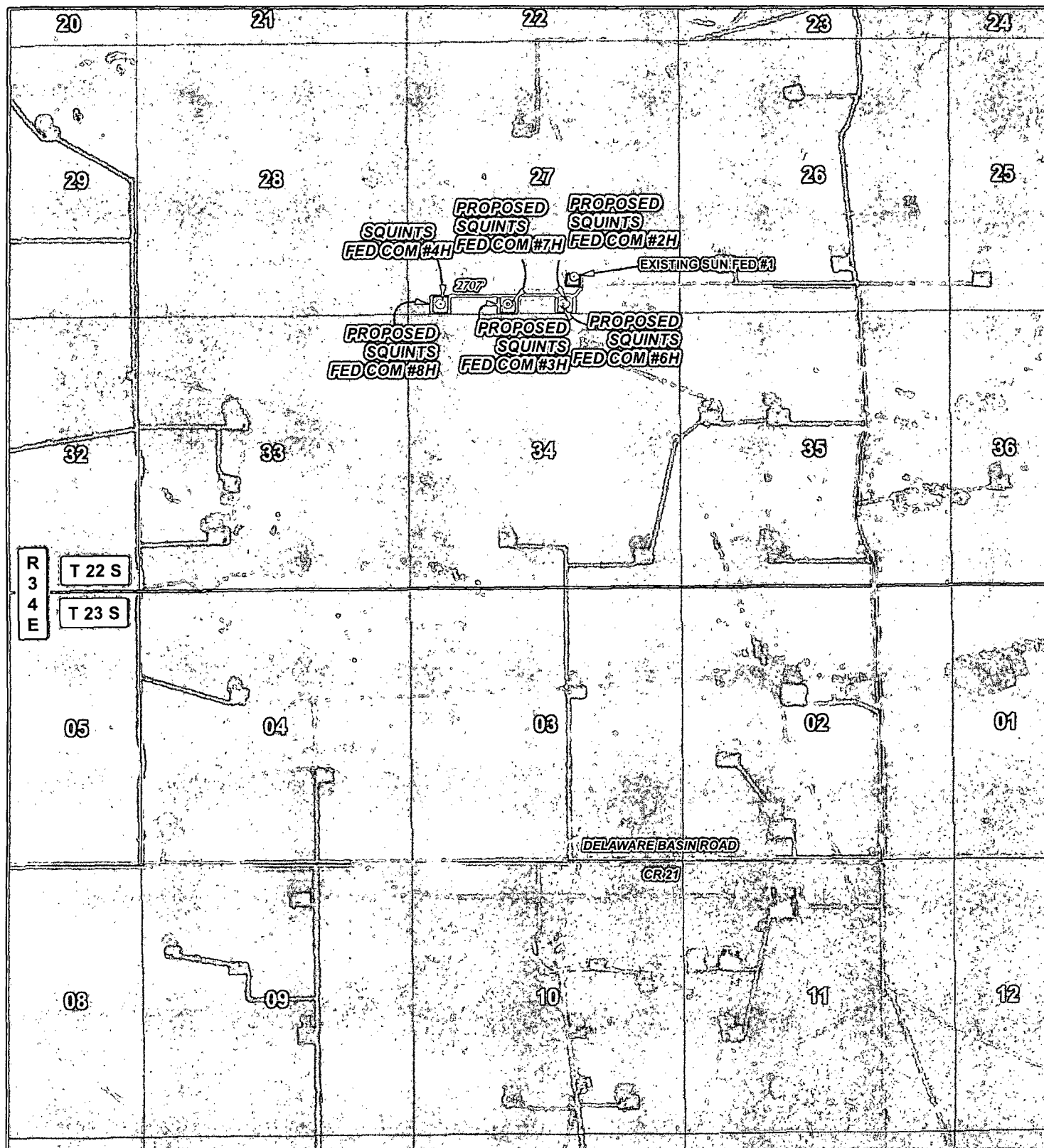
PAGE: 1 OF 1

DRAFTING DATE: 07/14/2015

APPROVED BY: CH

DRAWN BY: WN

FILE: 15-852



LEGEND

○ WELL

□ WELLPAD

— EXISTING ROAD

— PROPOSED ROAD

SQUINTS FEDERAL COM #4H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3405.0'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 660' FWL

W.O. # 15-708 LEASE: SQUINTS FED COM SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.15 0.3 0.6 Miles

1 IN = 2,500 FT

LOCATION MAP

IMAGERY

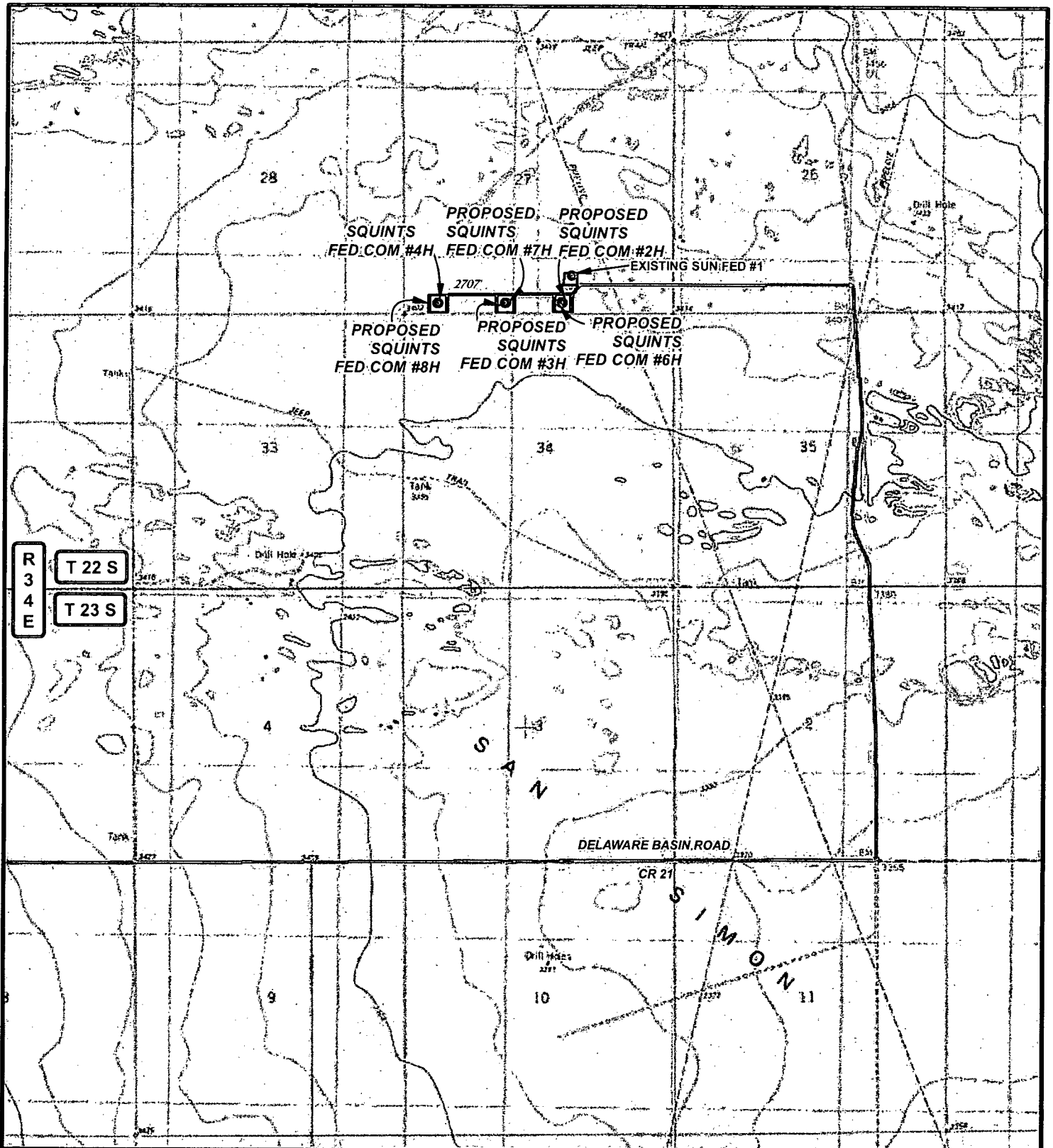
06/08/2015

A.F

CONCHO
COG OPERATING, LLC



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c.harcrow@harcrowsurveying.com



R
3
4
E

T 22 S
T 23 S

LEGEND

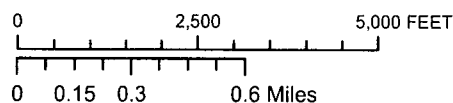
- WELL
- WELLPAD
- EXISTING ROAD
- - - PROPOSED ROAD

SQUINTS FEDERAL COM #4H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3405.0'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 660' FWL

W.O. # 15-708 LEASE: SQUINTS FED COM SURVEY: N.M.P.M



1 IN = 2,500 FT

LOCATION MAP

TOPO

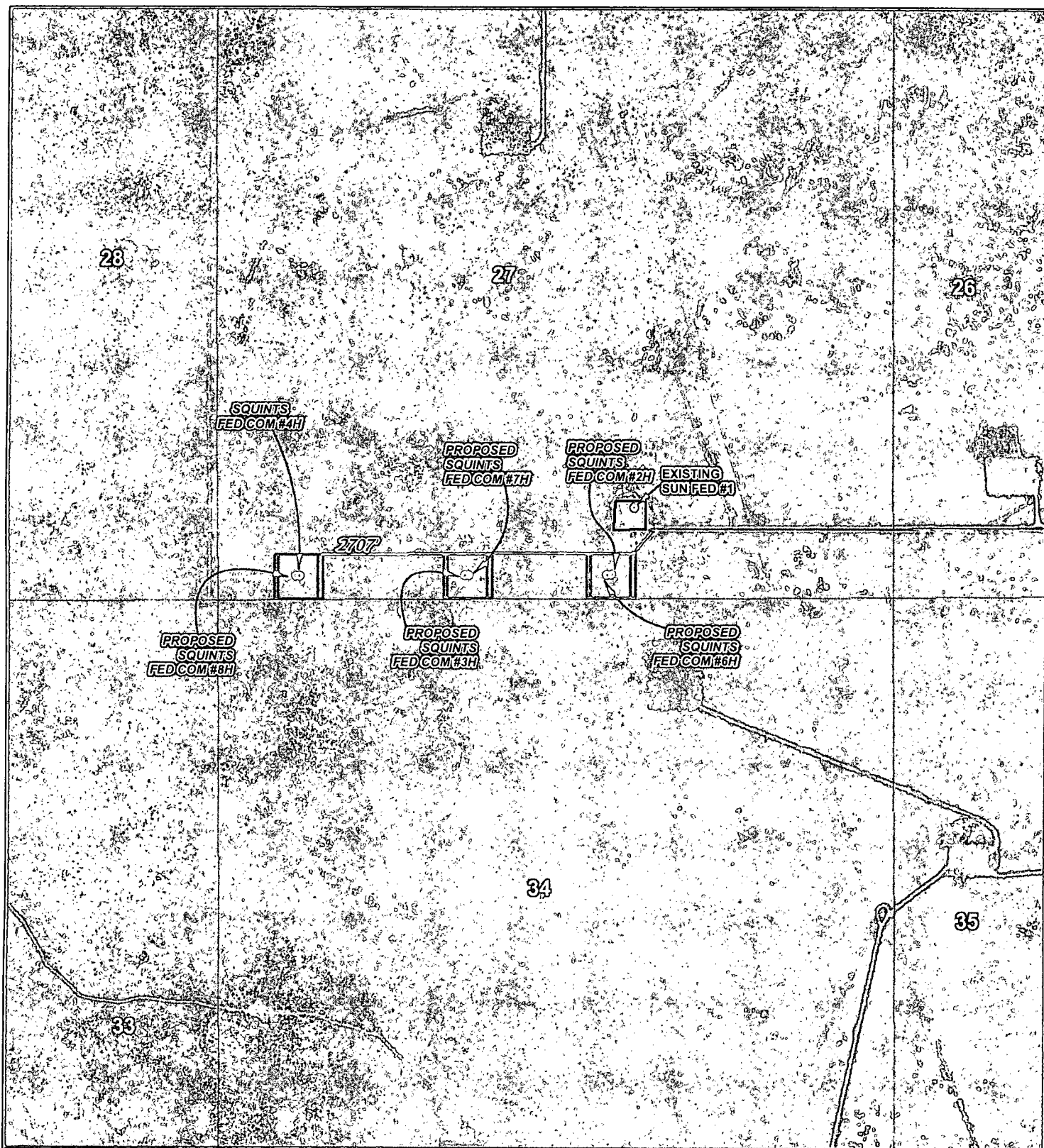
06/08/2015

A.F

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LEGEND

○ WELL

□ WELLPAD

— EXISTING ROAD

— PROPOSED ROAD

SQUINTS FEDERAL COM #4H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3405.0'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 660' FWL

W.O. # 15-708 LEASE: SQUINTS 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

06/08/2015

AF



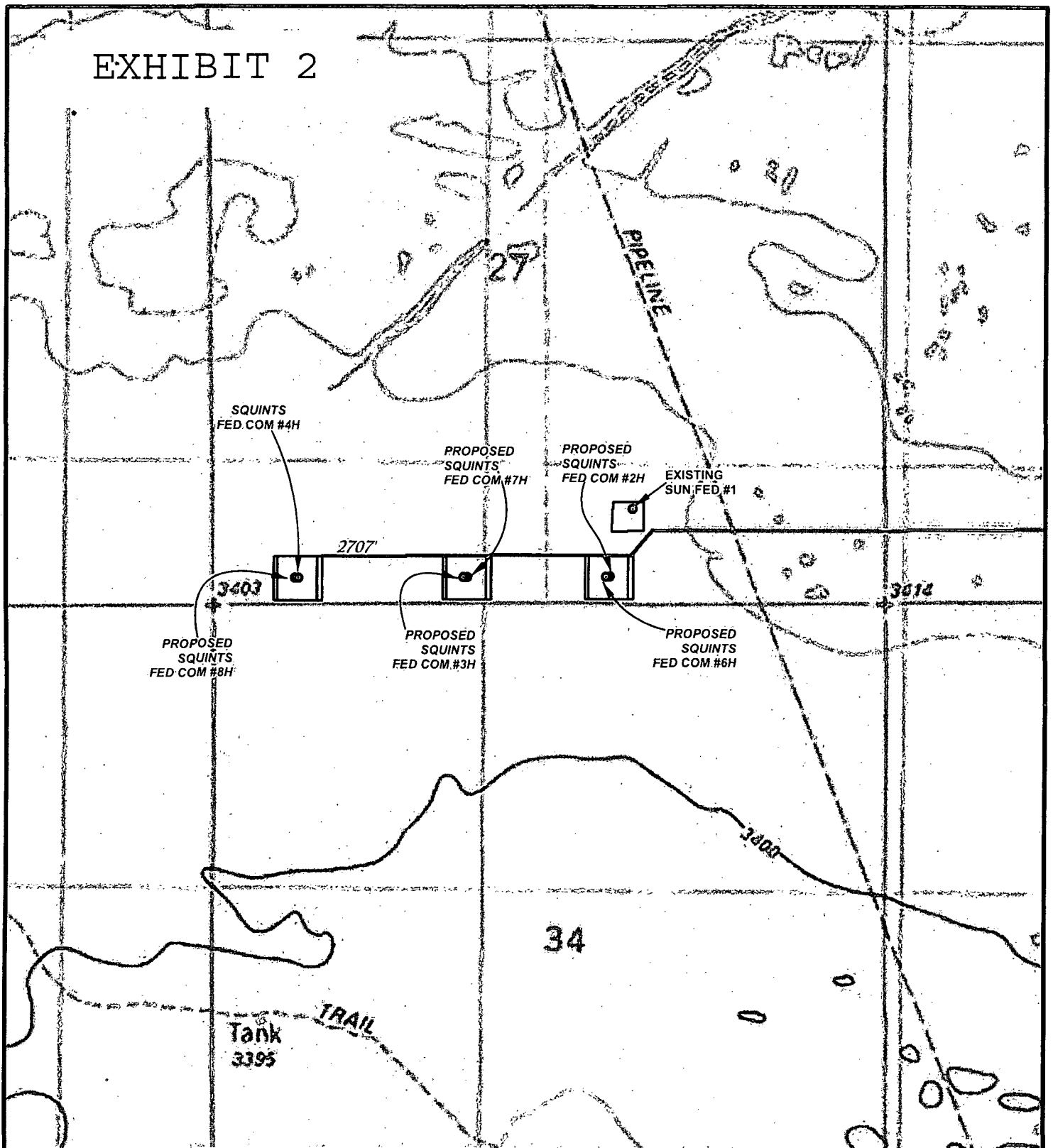
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APR 22 2016

EXHIBIT 2

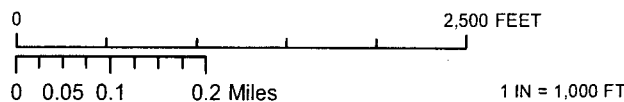


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SQUINTS FEDERAL COM #4H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3405.0'
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 660' FWL
 W.O. # 15-708 LEASE: SQUINTS FED COM SURVEY: N.M.P.M



LOCATION MAP

TOPO ROAD

06/08/2015

A.F

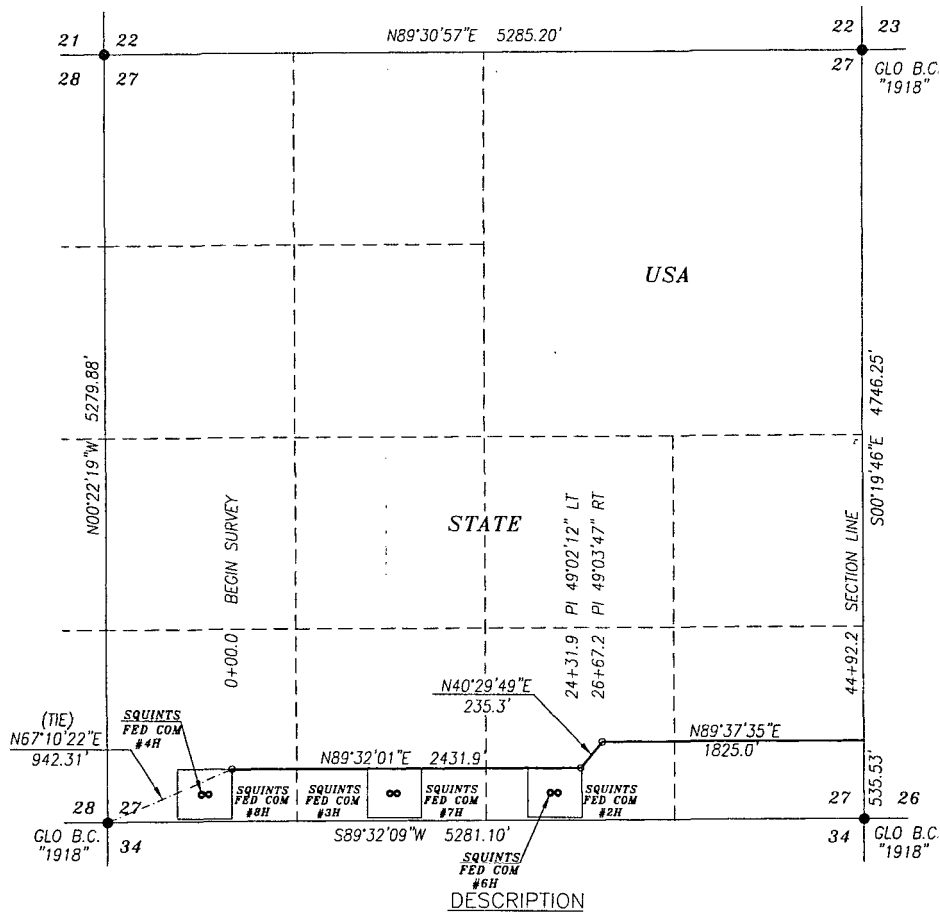
CONCHO
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EXHIBIT 2A

ROAD PLAT COG OPERATING, LLC.

PROPOSED ROAD FROM THE SQUINTS FED COM #8H TO DELAWARE BASIN ROAD IN
SECTION 27, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 27, TOWNSHIP 22, RANGE 34 EAST, NMPM, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY; WHICH WILL BE ACCOUNTED FOR IN FOOTAGES, RODS, AND ACREAGES.

BEGINNING AT A POINT IN THE SW/4 SW/4 OF SAID SECTION, WHICH LIES N67°10'22"E 942.31 FEET FROM THE SOUTH QUARTER CORNER; THEN NORTH 89°32'01" 2431.9, THEN NORTH 40°29'49" 235.3 FEET, THEN NORTH 89°42'51" 504.57 FEET TO A POINT ON THE EAST SECTION LINE, WHICH LIES N0019°46"E 535.53 FEET FROM THE SE SECTION CORNER.

SAID STRIP OF LAND BEING 4492.2 FEET OR 272.25 RODS IN LENGTH, CONTAINING 3.094 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SW/4 SW/4 27.25 RODS OR 0.311 ACRES
SW/4 SE/4 80.02 RODS OR 0.909 ACRES
SE/4 SW/4 84.96 RODS OR 0.965 ACRES
SE/4 SE/4 80.02 RODS OR 0.909 ACRES

BASIS OF BEARING:

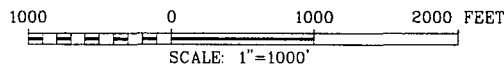
BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE GRID VALUES.

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.

HARCROW SURVEYING, LLC

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c.harcrow@harcrowsurveying.com



COG OPERATING, LLC

SURVEY OF A PROPOSED PIPELINE LOCATED IN
SECTION 27, TOWNSHIP 22 SOUTH, RANGE 34 EAST,
LEA COUNTY, NMPM, NEW MEXICO

| | |
|-------------------------------|--------------|
| SURVEY DATE: FEBRUARY 6, 2015 | PAGE 1 OF 5 |
| DRAFTING DATE: JUNE 9, 2015 | FILE: 15-715 |
| APPROVED BY: CH | DRAWN BY: JJ |

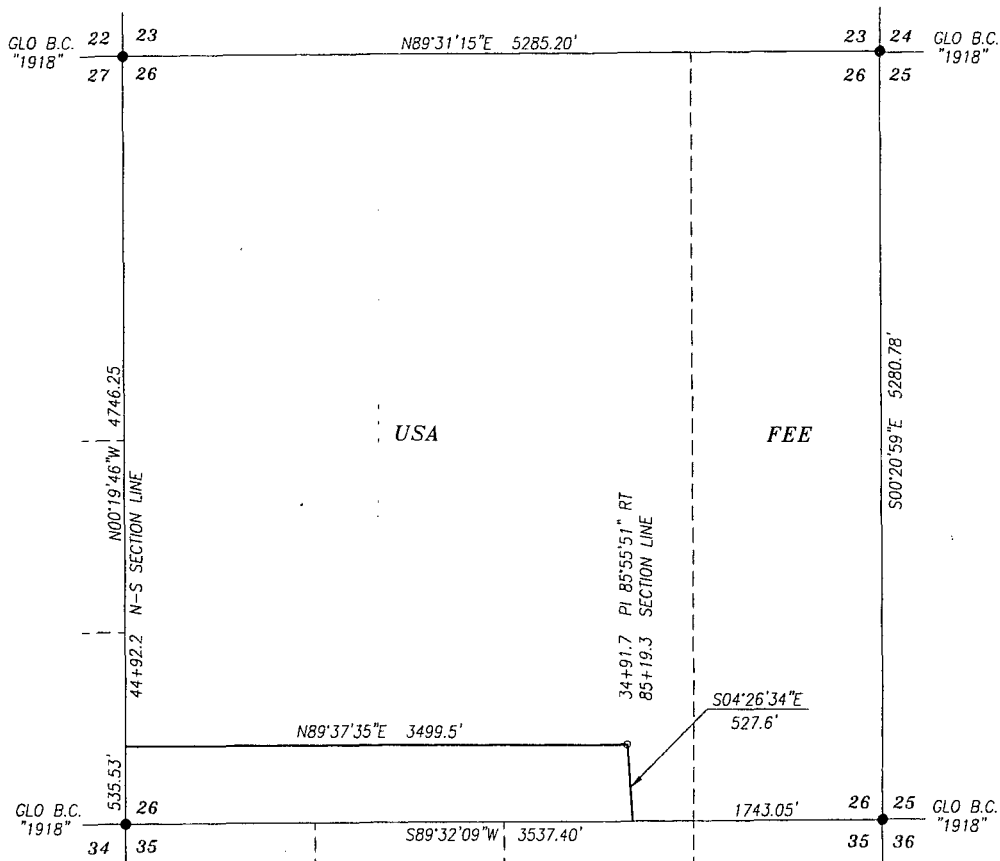
Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777



6/9/15
DATE

ROAD PLAT COG OPERATING, LLC.

PROPOSED ROAD FROM THE SQUINTS FED COM #8H TO DELAWARE BASIN ROAD IN
SECTION 26, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 4027.1 FEET OR 244.07 RODS OR 0.763 MILES IN LENGTH CROSSING FEE LAND IN SECTION 26, TOWNSHIP 22 SOUTH, RANGE 34 EAST, 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.

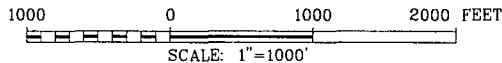
CERTIFICATION
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



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

6/12/15
DATE

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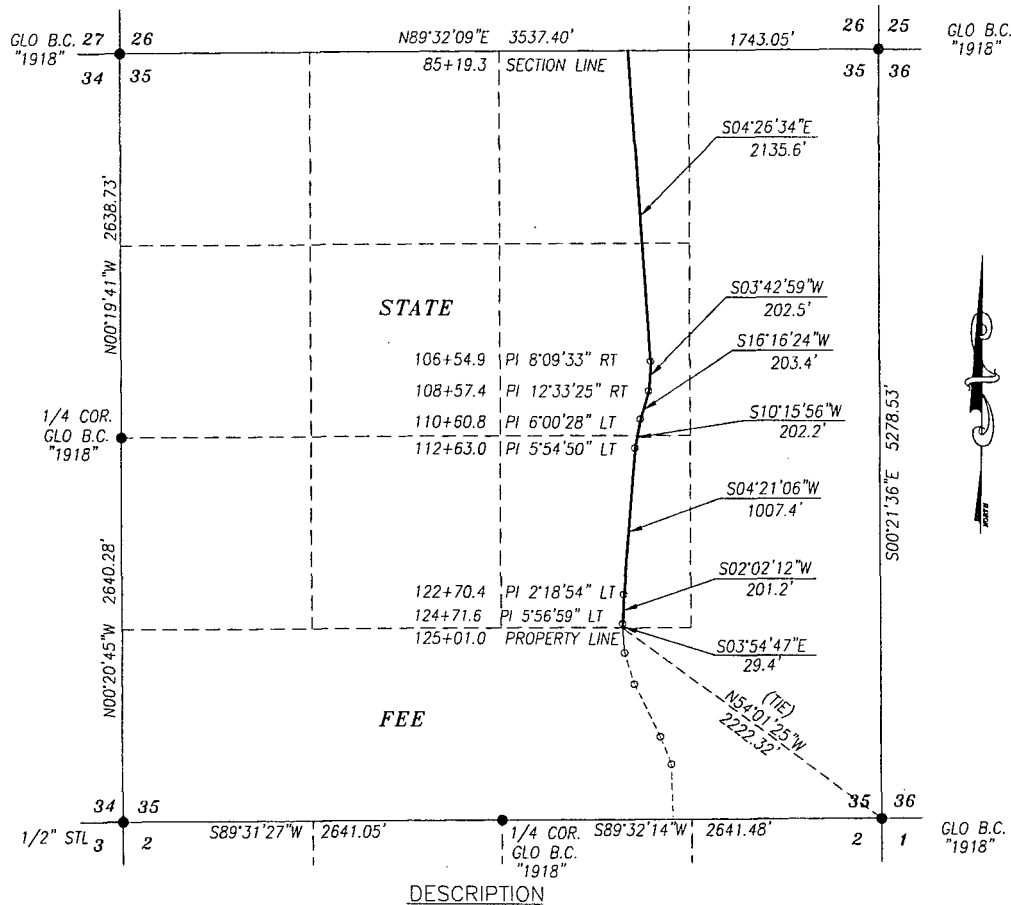
COG OPERATING, LLC

SURVEY OF A PROPOSED PIPELINE LOCATED IN
SECTION 26, TOWNSHIP 22 SOUTH, RANGE 34 EAST,
LEA COUNTY, NMPM, NEW MEXICO

| | |
|---|-------------|
| SURVEY DATE: FEBRUARY 12, 2015 | PAGE 2 OF 5 |
| DRAFTING DATE: JUNE 9, 2015 | |
| APPROVED BY: CH DRAWN BY: JJ FILE: 15-715 | |

ROAD PLAT COG OPERATING, LLC.

PROPOSED ROAD FROM THE SQUINTS FED COM #8H TO DELAWARE BASIN ROAD IN
SECTION 35, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 35, TOWNSHIP 22, RANGE 34 EAST, NMPM, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY; WHICH WILL BE ACCOUNTED FOR IN FOOTAGES, RODS, AND ACRES.

BEGINNING AT A POINT IN THE NW/4 NE/4 OF SAID SECTION, WHICH LIES S89°32'09"E 1743.05 FEET FROM THE NORTHEAST SECTION CORNER; THEN S04°26'34" 2135.6 FEET; THEN S03°42'59" 202.5 FEET, THEN S16°16'24"W 203.4 FEET; THEN S10°15'56"W 202.2 FEET; THEN S04°21'06"W 1007.4 FEET; THEN S02°02'12"W 201.2 FEET; THEN S03°54'47"E 29.4 FEET TO A POINT, WHICH LIES N54°01'25"E 2222.32 FEET FROM THE SOUTHEAST SECTION CORNER.

SAID STRIP OF LAND BEING 3981.7 FEET OR 241.32 RODS OR 0.754 MILES IN LENGTH, CONTAINING 2.742 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NW/4 80.19 RODS OR 0.911 ACRES
NE/4 SW/4 80.79 RODS OR 0.918 ACRES
SE/4 SW/4 80.34 RODS OR 0.913 ACRES

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.

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

6/12/15
DATE

HARCROW SURVEYING, LLC
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c.harcrow@harcrowsurveying.com



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

COG OPERATING, LLC

SURVEY OF A PROPOSED PIPELINE LOCATED IN
SECTION 35, TOWNSHIP 22 SOUTH, RANGE 34 EAST,
LEA COUNTY, NMPM, NEW MEXICO

SURVEY DATE: FEBRUARY 12, 2015

DRAFTING DATE: MARCH 6, 2015

APPROVED BY: CH

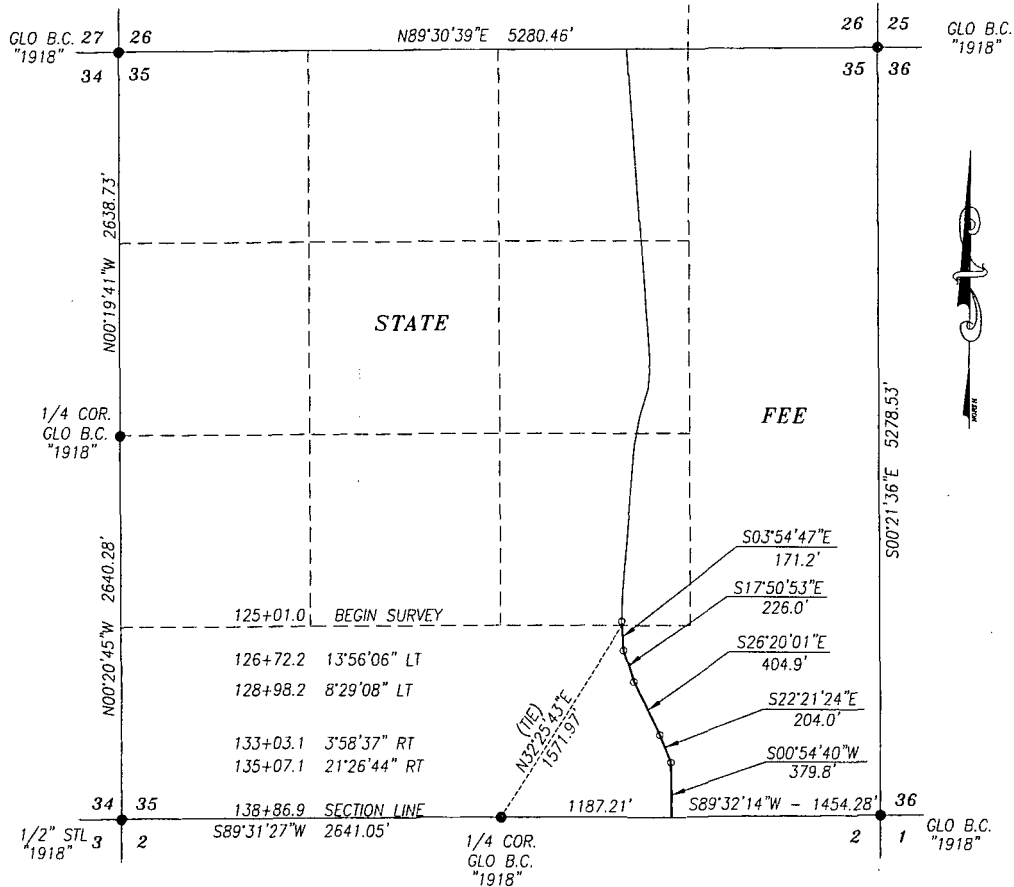
DRAWN BY: JJ

PAGE 3 OF 5

FILE: 15-715

ROAD PLAT
COG OPERATING, LLC.

PROPOSED ROAD FROM THE SQUINTS FED COM #8H TO DELAWARE BASIN ROAD IN
SECTION 35, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 1385.9 FEET OR 83.99 RODS OR 0.262 MILES IN LENGTH CROSSING FEE LAND IN SECTION 35, TOWNSHIP 22 SOUTH, RANGE 34 EAST, 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.

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.

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

COG OPERATING, LLC

SURVEY OF A PROPOSED PIPELINE LOCATED IN
SECTION 35, TOWNSHIP 22 SOUTH, RANGE 34 EAST,
LEA COUNTY, NMPM, NEW MEXICO

SURVEY DATE: FEBRUARY 12, 2015

DRAFTING DATE: JUNE 9, 2015

APPROVED BY: CH

DRAWN BY: JJ

PAGE 4 OF 5

FILE: 15-715



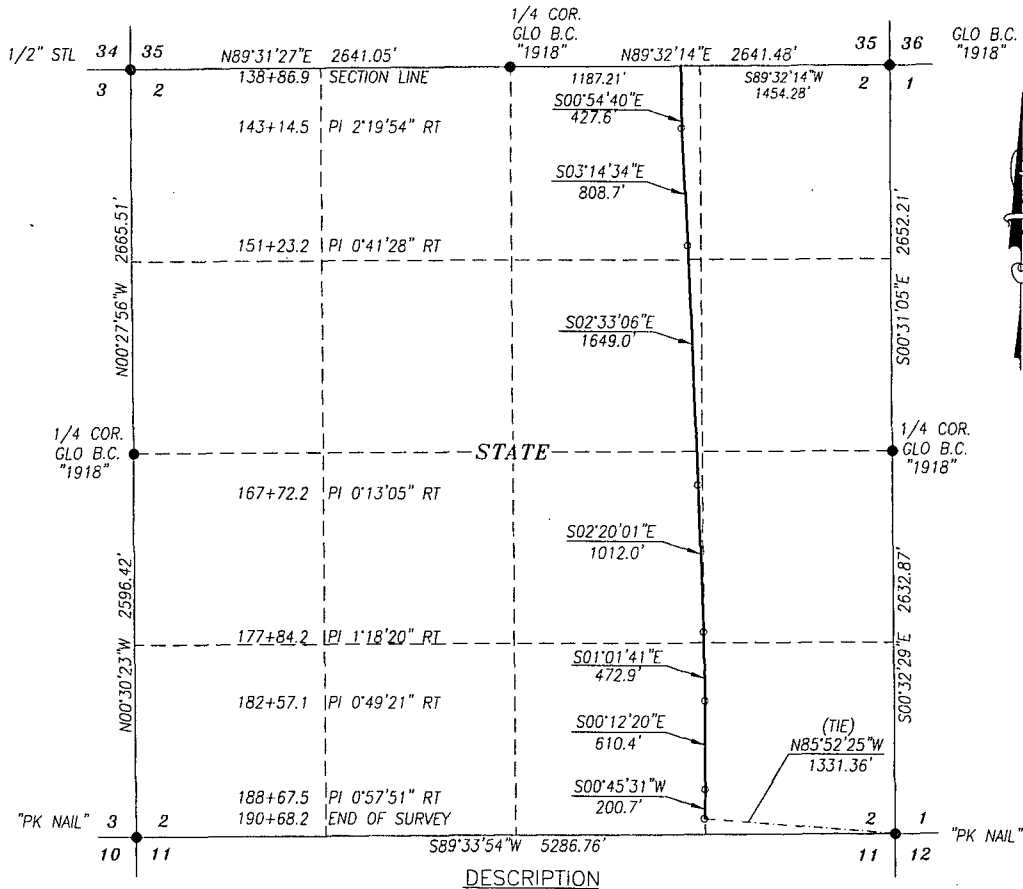
Chad Harcrow

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

6/12/15
DATE

ROAD PLAT COG OPERATING, LLC.

PROPOSED ROAD FROM THE SQUINTS FED COM #8H TO DELAWARE BASIN ROAD IN
SECTION 2, TOWNSHIP 23 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY,
NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 2, TOWNSHIP 23, RANGE 34 EAST, NMPM, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY; WHICH WILL BE ACCOUNTED FOR IN FOOTAGES, RODS, AND ACREAGES.

BEGINNING AT A POINT IN THE NW/4 NE/4 OF SAID SECTION, WHICH LIES S89°32'14"E 1454.28 FEET FROM THE NORTHEAST SECTION CORNER; THEN S00°54'40" 427.6 FEET, THEN S03°14'34" 808.7 FEET, THEN S02°33'06" 1649.0 FEET, THEN S02°20'01" 1012.0 FEET, THEN S01°01'41"E 472.9 FEET, THEN S00°12'20"E 610.4 FEET, THEN S00°45'31"W 200.7 TO A POINT, WHICH LIES N85°52'25"W 1331.36 FEET FROM THE SOUTHEAST SECTION CORNER.

SAID STRIP OF LAND BEING 5181.3 FEET OR 314.02 RODS OR 0.981 MILES IN LENGTH, CONTAINING 3.568 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 NE/4 80.70 RODS OR 0.917 ACRES
SW/4 NE/4 80.05 RODS OR 0.910 ACRES
NE/4 SE/4 79.86 RODS OR 0.907 ACRES

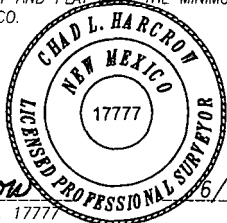
SW/4 SE/4 28.34 RODS OR 0.322 ACRES
SE/4 SE/4 45.07 RODS OR 0.512 ACRES

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.

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.

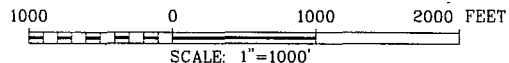


Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777

26/12/15
DATE

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COG OPERATING, LLC

SURVEY OF A PROPOSED PIPELINE LOCATED IN
SECTION 2, TOWNSHIP 23 SOUTH, RANGE 34 EAST,
LEA COUNTY, NMPM, NEW MEXICO

SURVEY DATE: FEBRUARY 12, 2015

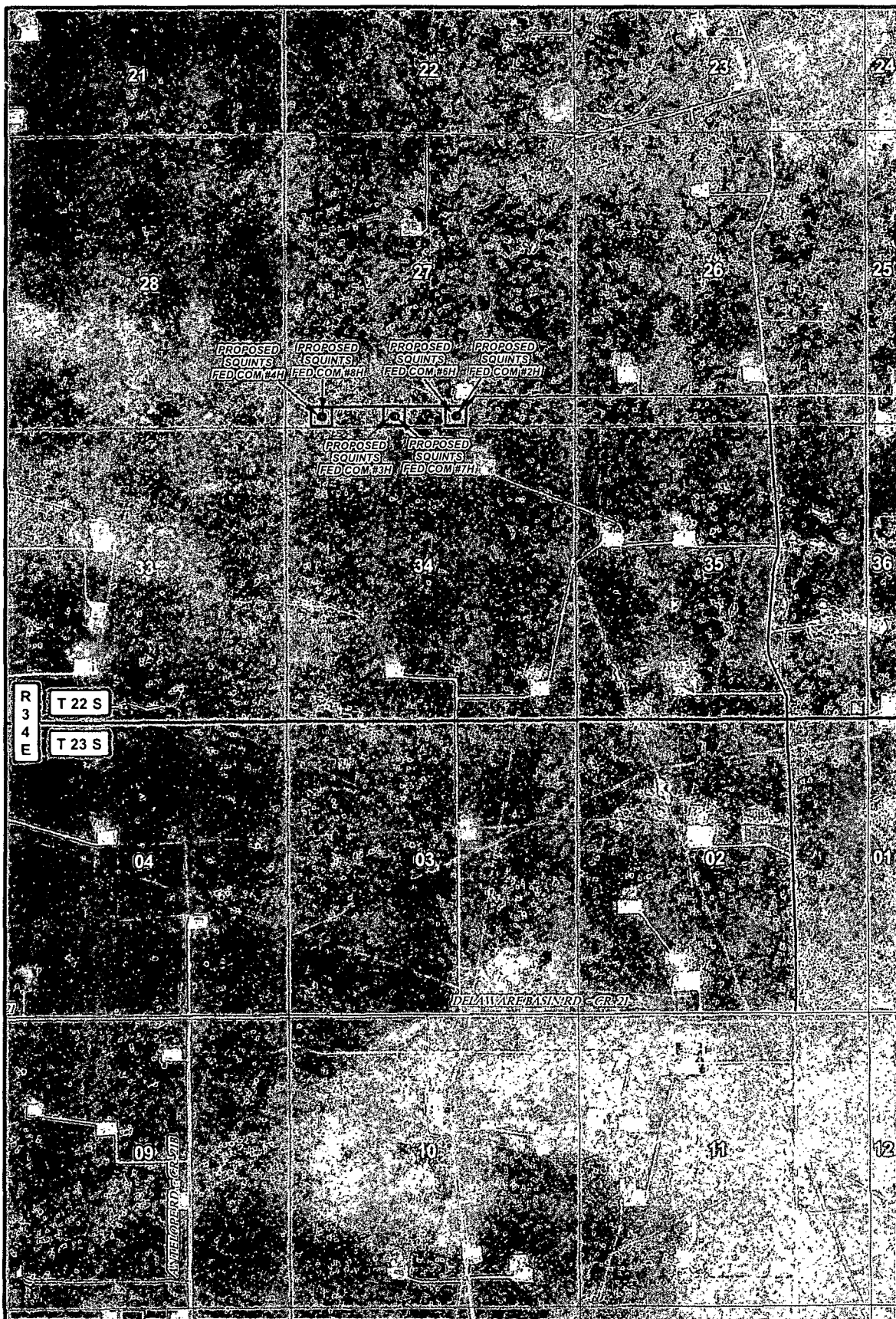
DRAFTING DATE: JUNE 9, 2015

APPROVED BY: CH

DRAWN BY: JJ

PAGE 5 OF 5

FILE: 15-715

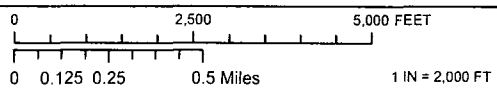


LEGEND

- WELL
- WELLPAD
- PROPOSED RD.
- EXISTING RD.

SQUINTS FED COM ACCESS ROAD

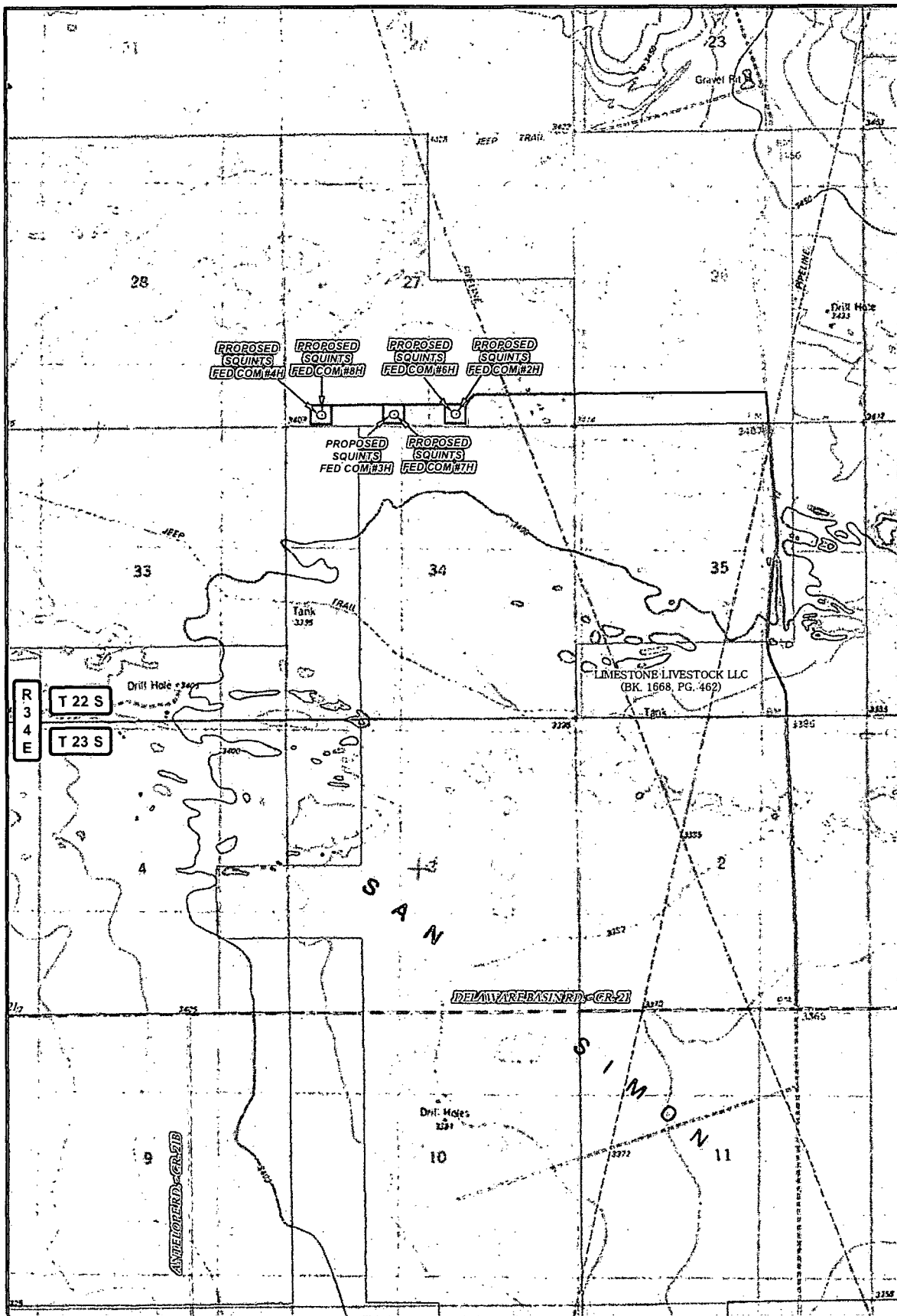
SECTION: 26, 27, 35, 2 TOWNSHIP: 22, 23 S. RANGE: 34 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
 W.O. # 15-715 LEASE: SQUINTS FED COM



PIPELINE OVERVIEW IMAGERY 06/09/2015 S.P.

CONCHO
 COG OPERATING, LLC

HARCROW SURVEYING, LLC.
 2314 W. MAIN ST. ARTESIA, NM 88210
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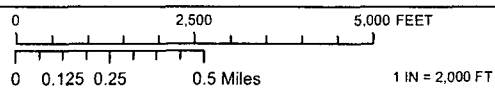


LEGEND

- WELL
- WELLPAD
- PROPOSED RD.
- EXISTING RD.
- PRIVATE
- STATE OF NM
- US BLM

SQUINTS FED COM ACCESS ROAD

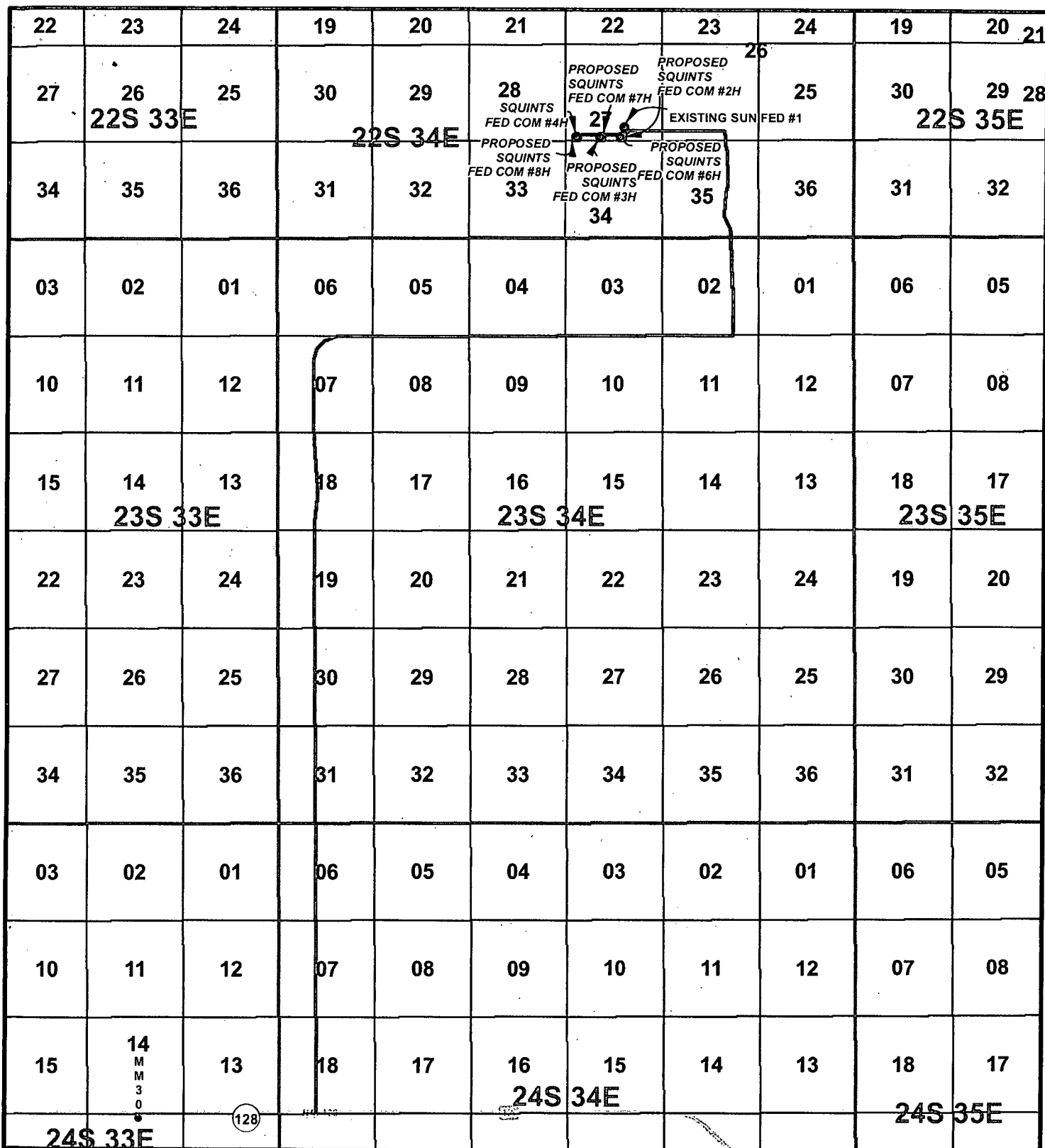
SECTION: 26, 27, 35, 2 TOWNSHIP: 22,23 S. RANGE: 34 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
 W.O. # 15-715 LEASE: SQUINTS FED COM



PIPELINE OVERVIEW LAND STATUS 06/09/2015 S.P.

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LEGEND

• WELL

□ WELLPAD

— EXISTING ROAD

— PROPOSED ROAD

SQUINTS FEDERAL COM #4H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3405.0'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 660' FWL

W.O. # 15-708 LEASE: SQUINTS FED COM SURVEY: N.M.P.M

0 2,500 5,000 7,500 10,000 12,500 15,000 17,500 FEET

0 0.5 1 2 Miles

1 IN = 7,000 FT

VICINITY MAP

06/08/2015

A.F



COG OPERATING, LLC



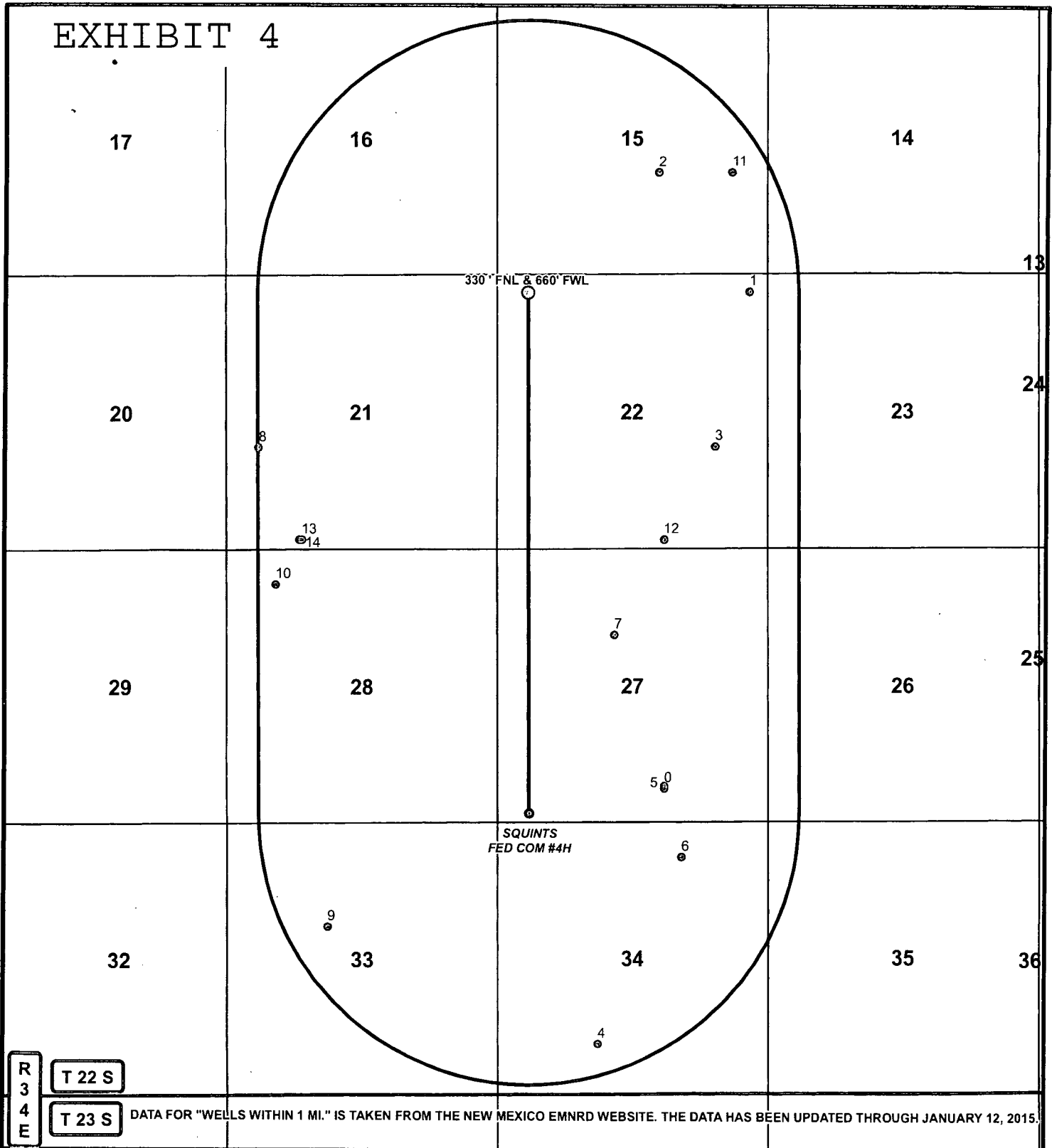
HARCROW SURVEYING, LLC.

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EXHIBIT 4



R
3
4
E

T 22 S

T 23 S

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

| SQUINTS FEDERAL COM #4H | | | |
|-------------------------|------------|------------------------|---------------------|
| SEC: 27 | TWP: 22 S. | RGE: 34 E. | ELEVATION: 3405.0' |
| STATE: NEW MEXICO | | COUNTY: LEA | 190' FSL & 660' FWL |
| W.O. # 15-708 | | LEASE: SQUINTS FED COM | SURVEY: N.M.P.M |

0 2,500 5,000 FEET

0 0.15 0.3 0.6 Miles

1 IN = 2,500 FT

1 MILE MAP

06/08/2015

A.F

CONCHO

COG OPERATING, LLC

HARCROW SURVEYING, LLC.

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Squints Federal Com #4H

| FID | OPERATOR | WELL_NAME | LATITUDE | LONGITUDE | API | SECTION | TOWNSHIP | RANGE | FTG_NS | NS_CD | FTG_EW | EW_CD | TVD_DEPT | COMPL_STAT |
|-----|-------------------------------------|---------------------------------|-----------|-------------|------------|---------|----------|-------|--------|-------|--------|-------|----------|----------------------------|
| 0 | J W SORRELLS | SORRELLS 001 | 32.357233 | -103.455758 | 3002508481 | 27 | 22.05 | 34E | 660 S | | 1980 E | | 4202 | Plugged |
| 1 | BYRON,MCKNIGHT & MO | JACQUIE ANN 001 | 32.383521 | -103.450303 | 3002524146 | 22 | 22.05 | 34E | 330 N | | 330 E | | 3881 | Plugged |
| 2 | AMERICAN QUASAR PET | OJO CHISO UNIT 002 | 32.38987 | -103.45598 | 3002524780 | 15 | 22.05 | 34E | 1980 S | | 2080 E | | 13575 | Plugged |
| 3 | APACHE CORP | FEDERAL 22 001 | 32.375364 | -103.452478 | 3002529795 | 22 | 22.05 | 34E | 1980 S | | 990 E | | 13435 | Plugged |
| 4 | ATA OIL PRODUCERS, LLC | MAXUS B 8026 JV-P 002 | 32.343644 | -103.460025 | 3002530032 | 34 | 22.05 | 34E | 990 S | | 1980 W | | 13428 | Active |
| 5 | COG OPERATING LLC | SUN FEDERAL COM 001 | 32.35737 | -103.455757 | 3002530603 | 27 | 22.05 | 34E | 710 S | | 1980 E | | 12780 | Active |
| 6 | ATA OIL PRODUCERS | MAXUS B 8026 JV-P 003 | 32.353603 | -103.454695 | 3002530661 | 34 | 22.05 | 34E | 660 N | | 1650 E | | 13500 | Plugged |
| 7 | ORYX ENERGY CO | ANTELOPE FEDERAL COM 001 | 32.365388 | -103.45889 | 3002530687 | 27 | 22.05 | 34E | 1650 N | | 2310 W | | 13530 | Plugged |
| 8 | DEVON ENERGY PRODUCTION COMPANY, LP | GAUCHO 21 FEDERAL 001 | 32.375386 | -103.481376 | 3002534266 | 21 | 22.05 | 34E | 1980 S | | 660 W | | 13450 | Active |
| 9 | DEVON ENERGY PRODUCTION COMPANY, LP | RIO BLANCO 33 FEDERAL 002 | 32.349995 | -103.477127 | 3002536360 | 33 | 22.05 | 34E | 1980 N | | 1980 W | | 14660 | Active |
| 10 | PETROGULF CORPORATION | FEDERAL 28 011D | 32.368126 | -103.480312 | 3002538732 | 28 | 22.05 | 34E | 661 N | | 991 W | | 0 | |
| 11 | PETROGULF CORPORATION | FEDERAL 15-43 001I | 32.389873 | -103.45136 | 3002538747 | 15 | 22.05 | 34E | 1981 S | | 661 E | | 0 | |
| 12 | MEWBOURNE OIL CO | PERRO LOCO 22 830B FEDERAL 001H | 32.370431 | -103.455715 | 3002542288 | 22 | 22.05 | 34E | 185 S | | 1980 E | | 0 | New (Not drilled or compl) |
| 13 | DEVON ENERGY PRODUCTION COMPANY, LP | GAUCHO 21 FEDERAL 004H | 32.37049 | -103.478651 | 3002542137 | 21 | 22.05 | 34E | 200 S | | 1500 W | | 0 | New (Not drilled or compl) |
| 14 | DEVON ENERGY PRODUCTION COMPANY, LP | GAUCHO 21 FEDERAL 003H | 32.370491 | -103.478814 | 3002542136 | 21 | 22.05 | 34E | 200 S | | 1450 W | | 0 | New (Not drilled or compl) |