

APR 21 2016

RECEIVED
Form C-102

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

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-8181 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) 334-8178 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 43164	Pool Code 96553	Pool Name Ojo Chiso; Bone Spring
Property Code 716103	Property Name SQUINTS FEDERAL COM	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3404.6'

Surface Location

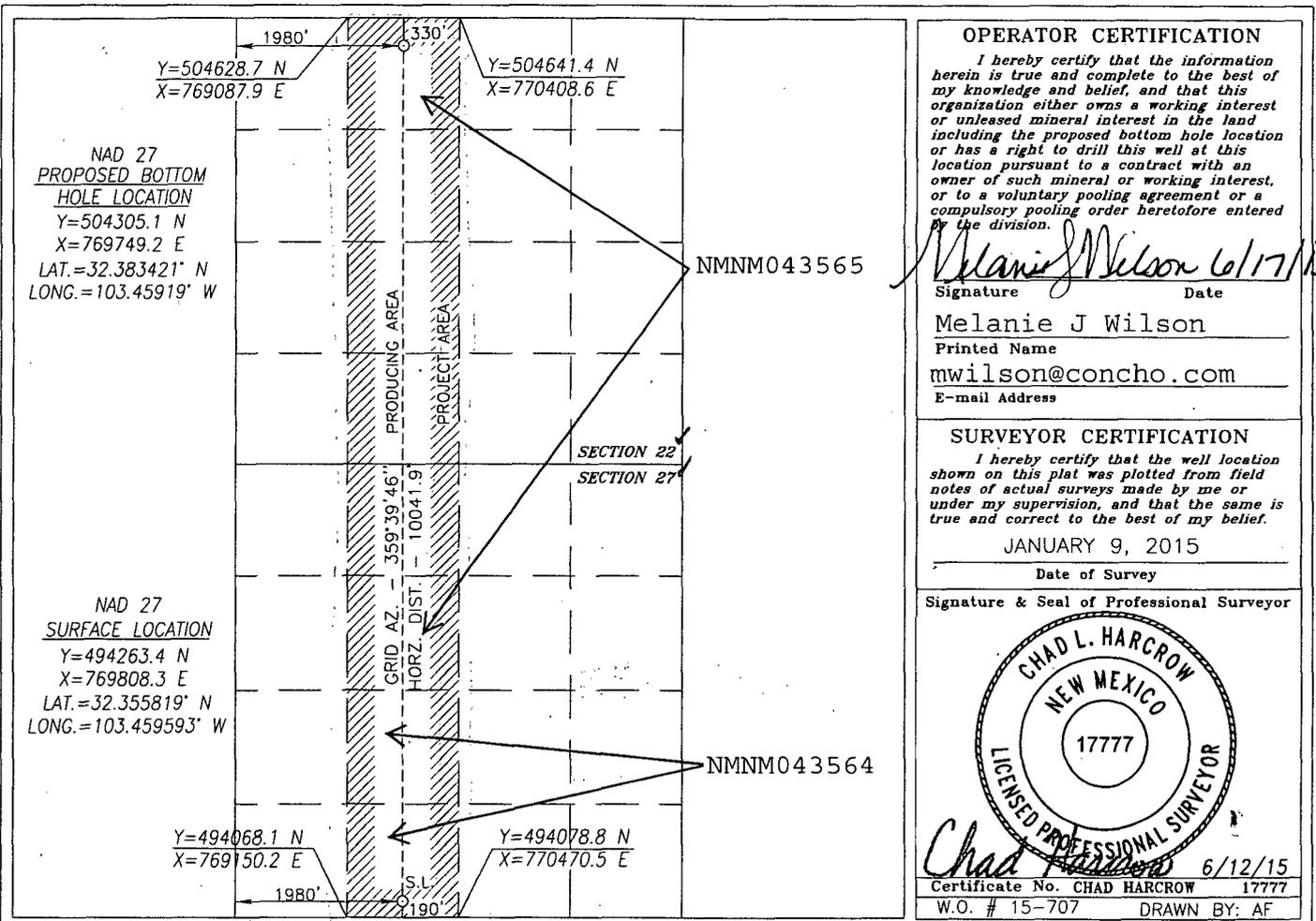
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	27	22-S	34-E		190	SOUTH	1980	WEST	LEA

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
C	22	22-S	34-E		330	NORTH	1980	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

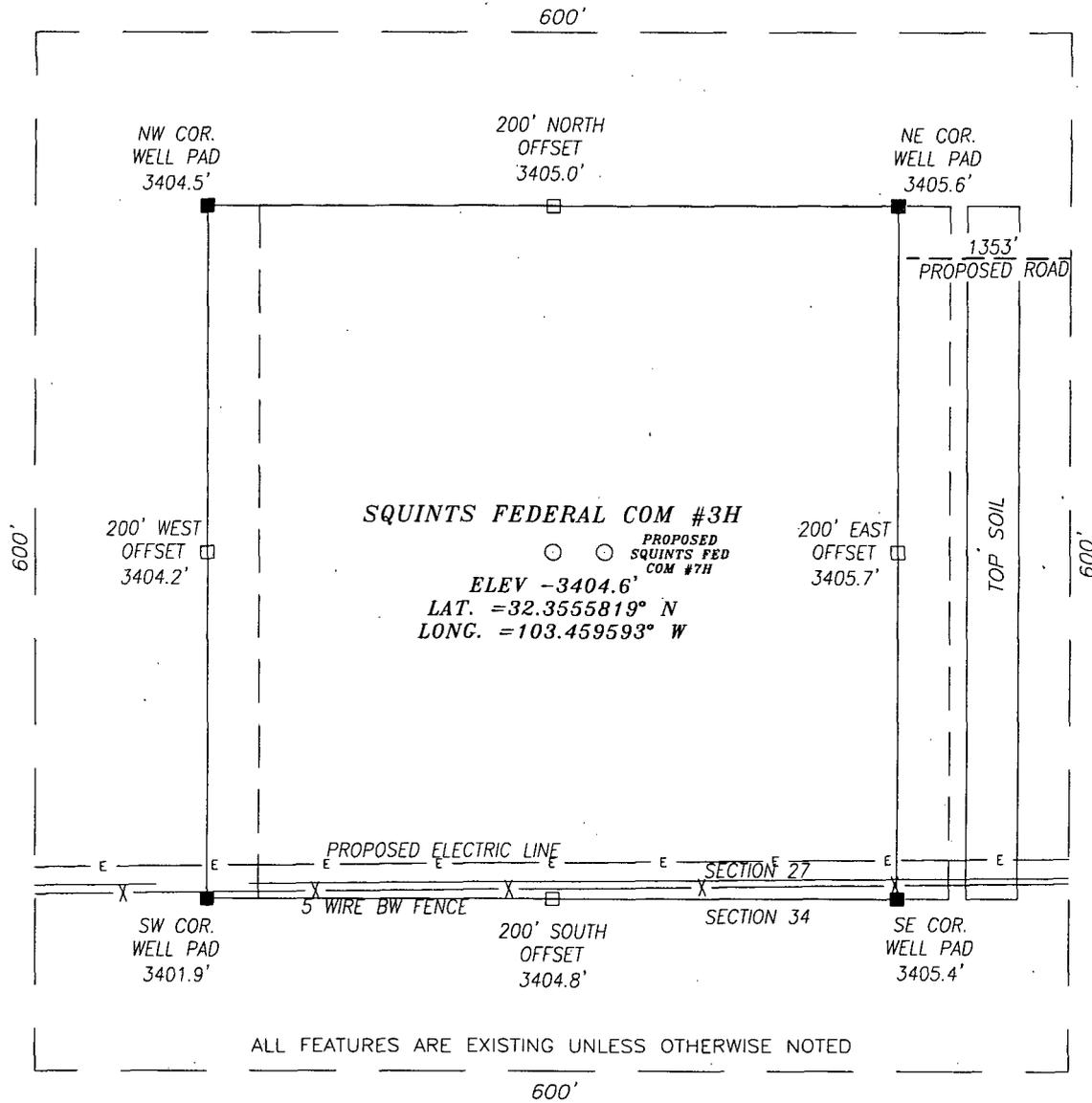
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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

LEA COUNTY

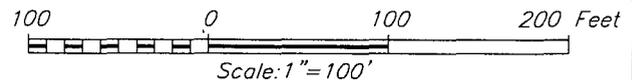
NEW MEXICO



ALL FEATURES ARE EXISTING UNLESS OTHERWISE NOTED

DIRECTIONS TO LOCATION

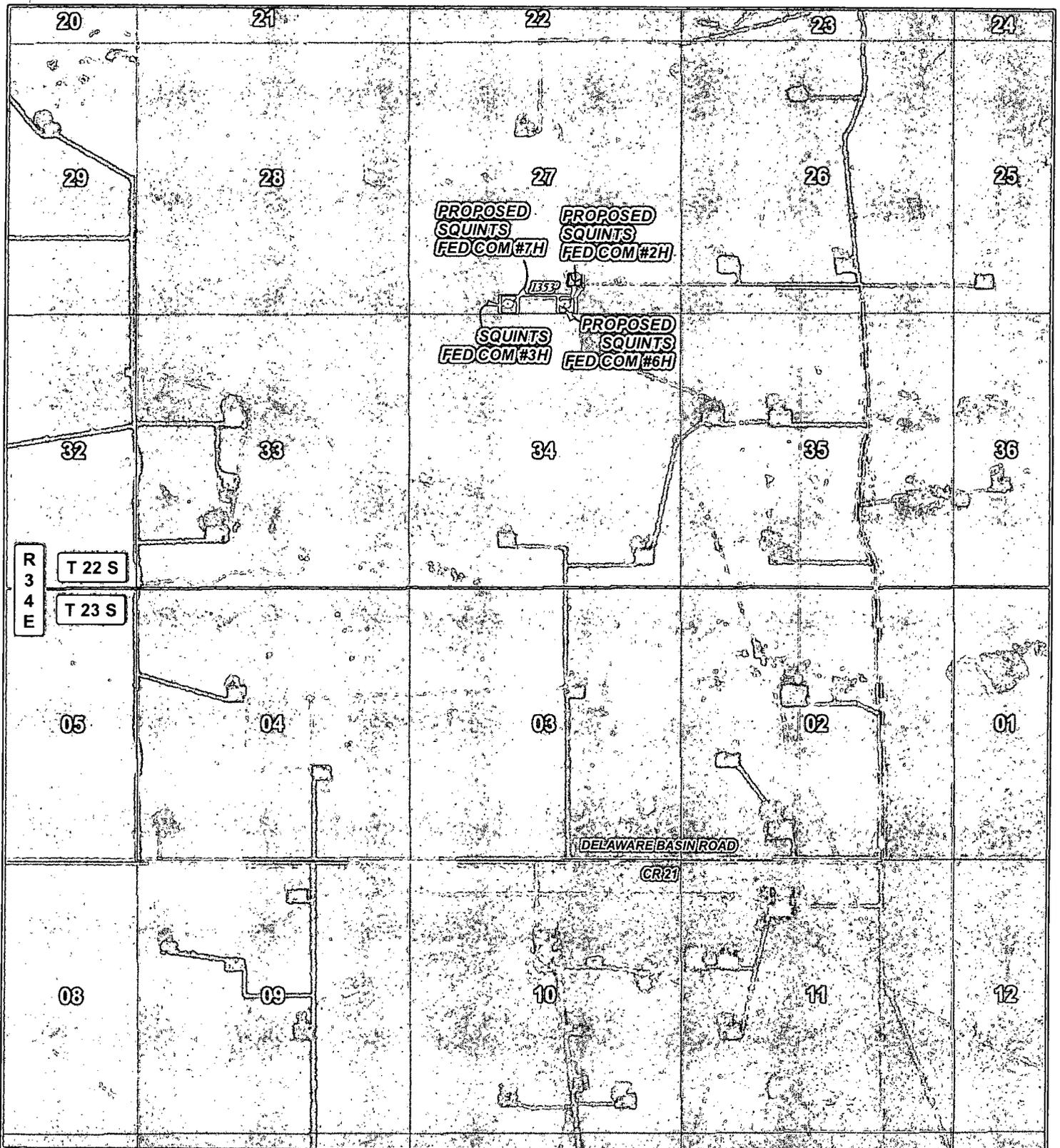
FROM THE INTERSECTION OF HWY 128 AND DELAWARE BASIN ROAD GO NORTH ON DELAWARE BASIN RD. APPROX. 9 MILES TO SHARP RIGHT TURN; THEN CONTINUE ON DELAWARE BASIN RD. APPROX. 4.2 MILES TO A CALICHE LEASE ROAD ON THE LEFT (NORTH); THEN GO ALONG LEASE ROAD APPROX. 2.1 MILES; THEN TURN LEFT (WEST) AND GO APPROX. 1 MILES TO A PROPOSED ROAD ON THE LEFT (SOUTHWEST); PROPOSED WELL IS APPROX. 1520 FEET ALONG PROPOSED ROAD.



HARCROW SURVEYING, LLC
 2314 W. MAIN ST, ARTESIA, N.M. 88210
 PH: (575) 746-2158 FAX: (575) 746-2158
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COG OPERATING, LLC	
SQUINTS FEDERAL COM #3 WELL LOCATED 190 FEET FROM THE SOUTH LINE AND 1980 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: 15-850

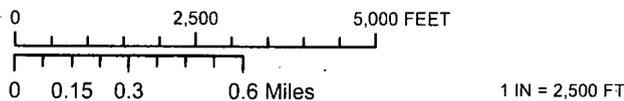


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SQUINTS FEDERAL COM #3H

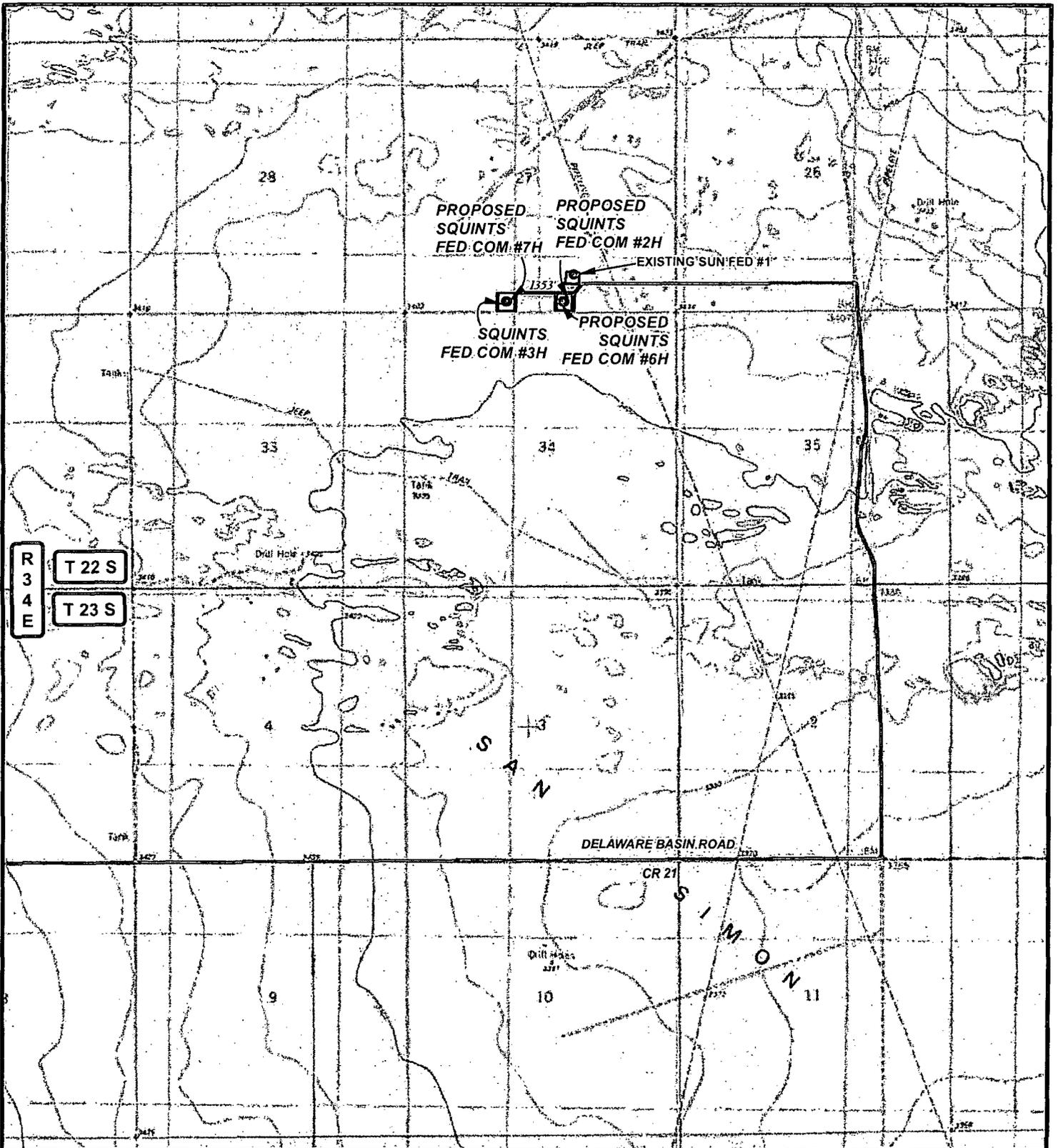
SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3404.6'
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 1980' FWL
 W.O. # 15-707 LEASE: SQUINTS FED COM SURVEY: N.M.P.M



LOCATION MAP IMAGERY 06/08/2015 A/F

CONCHO
 COG OPERATING, LLC

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LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SQUINTS FEDERAL COM #3H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3404.6'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 1980' FWL

W.O. # 15-707 LEASE: SQUINTS FED COM SURVEY: N.M.P.M

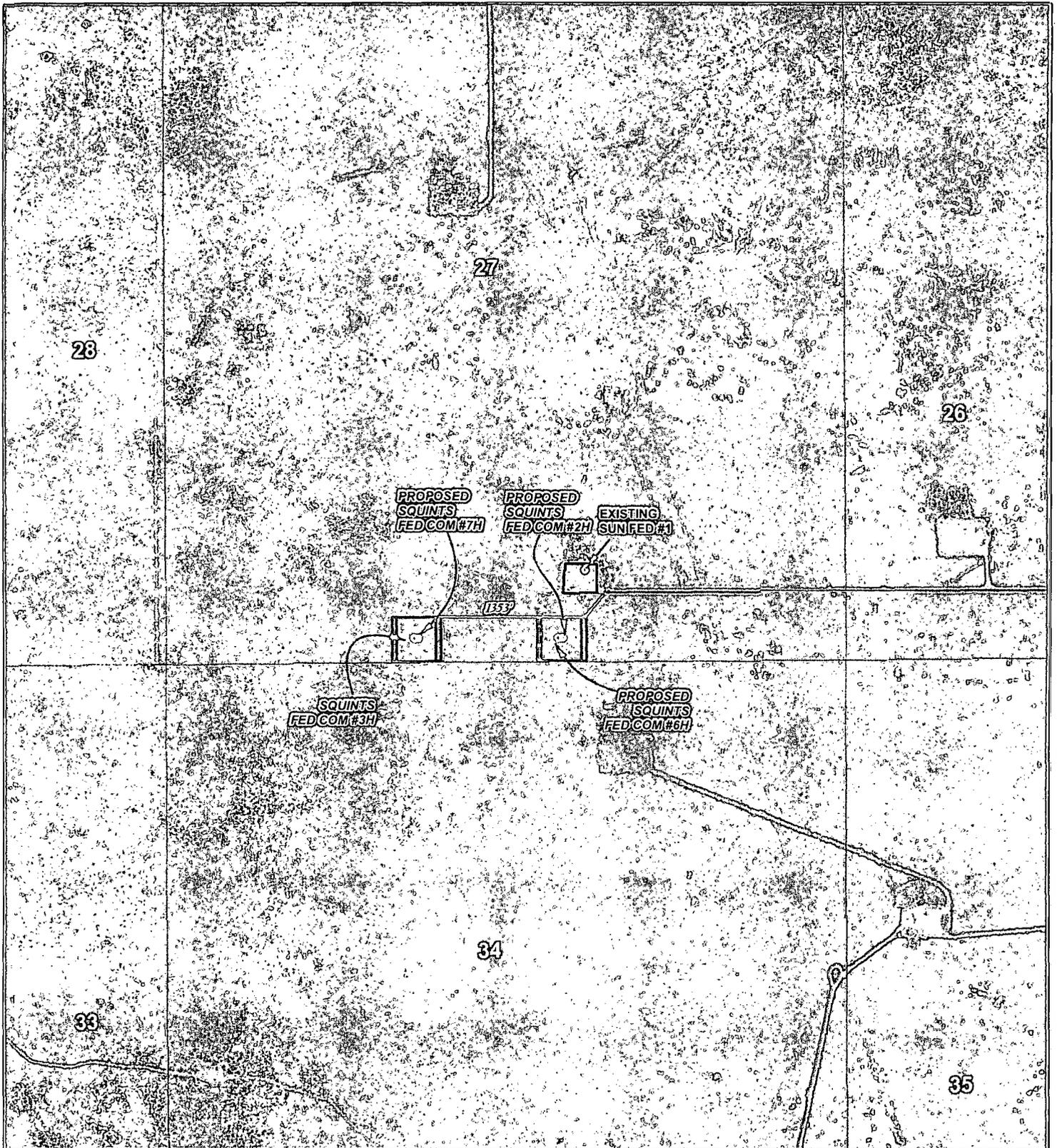
0 2,500 5,000 FEET

0 0.15 0.3 0.6 Miles

1 IN = 2,500 FT

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LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SQUINTS FEDERAL COM #3H

SEC: 27	TWP: 22 S.	RGE: 34 E.	ELEVATION: 3404.6'
STATE: NEW MEXICO		COUNTY: LEA	190' FSL & 1980' FWL
W.O. # 15-707	LEASE: SQUINTS FED COM		SURVEY: N.M.P.M

0 0.05 0.1 0.2 Miles

0 2,500 FEET

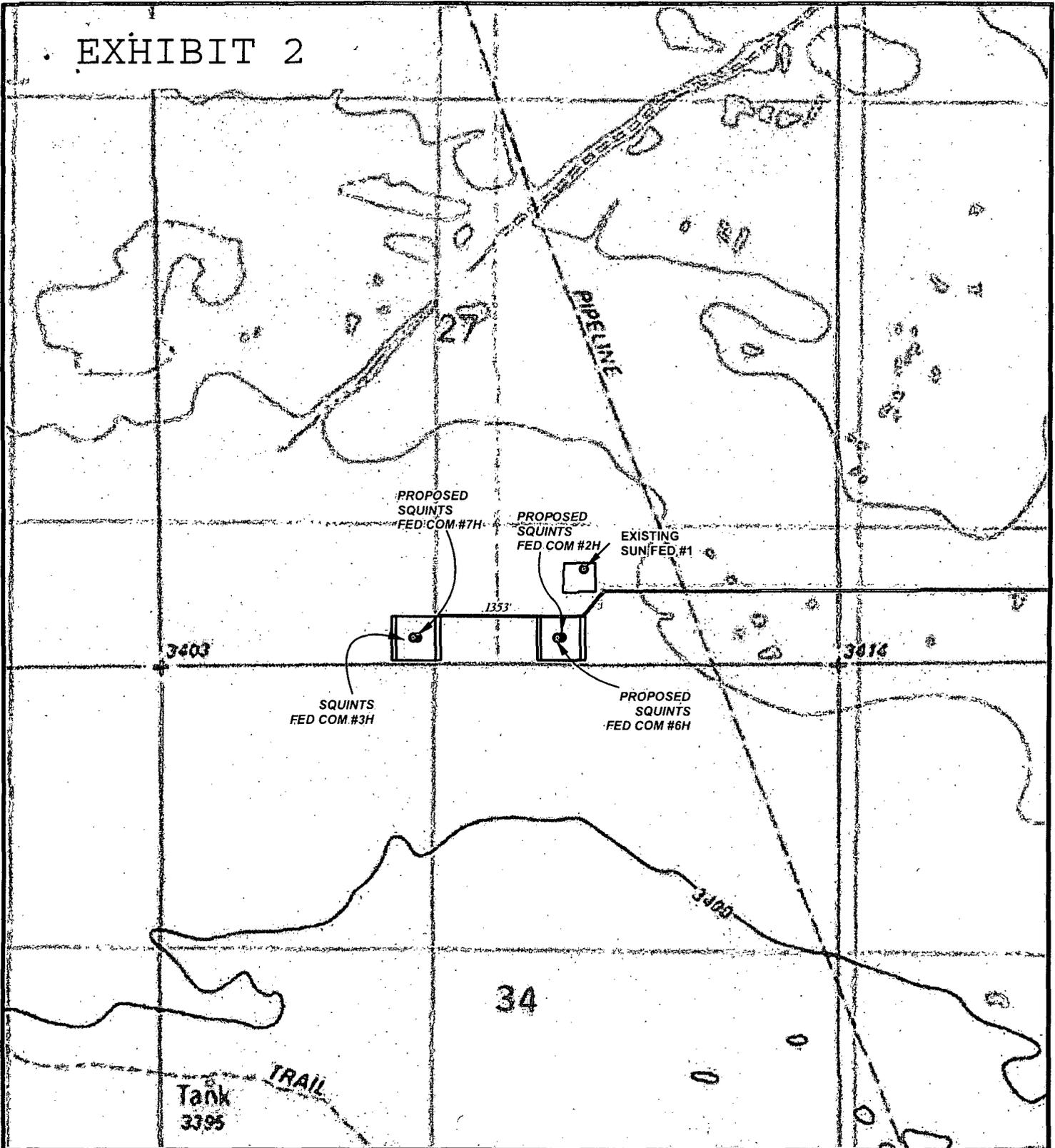
1 IN = 1,000 FT

LOCATION MAP **IMAGERY ROAD** **03/03/2015** **A.F**

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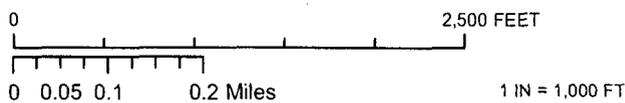
EXHIBIT 2



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SQUINTS FEDERAL COM #3H			
SEC: 27	TWP: 22 S.	RGE: 34 E.	ELEVATION: 3404.6'
STATE: NEW MEXICO		COUNTY: LEA	190' FSL & 1980' FWL
W.O. # 15-707	LEASE: SQUINTS FED COM	SURVEY: N.M.P.M	



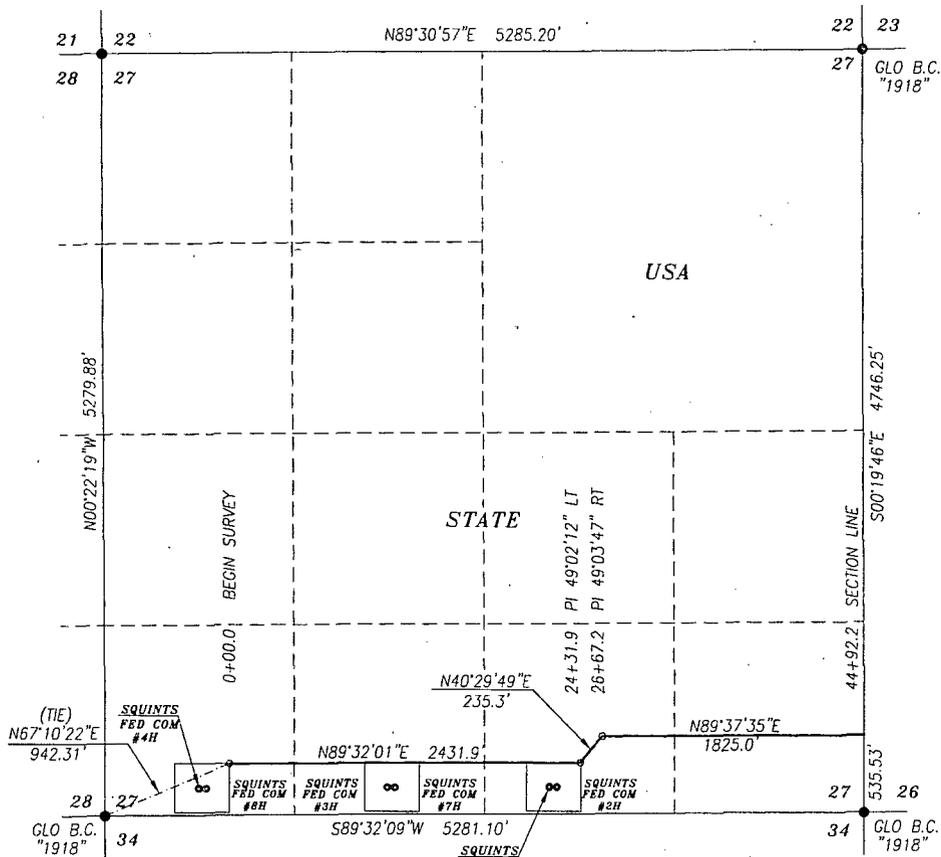
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EXHIBIT 2A

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.



DESCRIPTION

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.



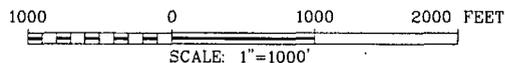
Chad Harcrow

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

6/9/15
DATE

HARCROW SURVEYING, LLC

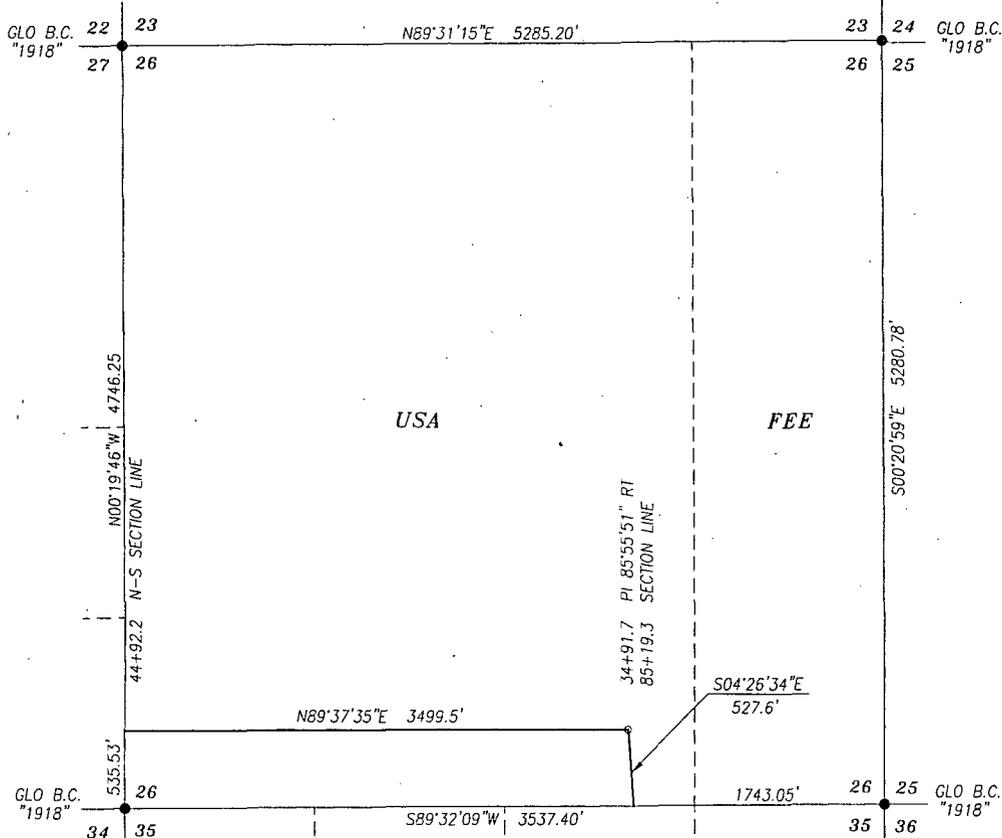
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COG OPERATING, LLC	
SURVEY OF A PROPOSED PIPELINE LOCATED IN SECTION 27, TOWNSHIP 22 SOUTH, RANGE 34 EAST, LEA COUNTY, NMPM, NEW MEXICO	
SURVEY DATE: FEBRUARY 6, 2015	
DRAFTING DATE: JUNE 9, 2015	PAGE 1 OF 5
APPROVED BY: CH.	DRAWN BY: JJ
	FILE: 15-715

**ROAD PLAT
COG OPERATING, LLC.**

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



DESCRIPTION

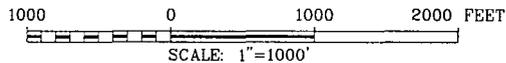
A STRIP OF LAND 30.0 FEET WIDE AND 4027.1 FEET OR 244.07 RODS OR 0.763 MILES IN LENGTH CROSSING FEE LAND IN SECTION 26, TOWNSHIP 22 SOUTH, RANGE 34 EAST, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

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.

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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

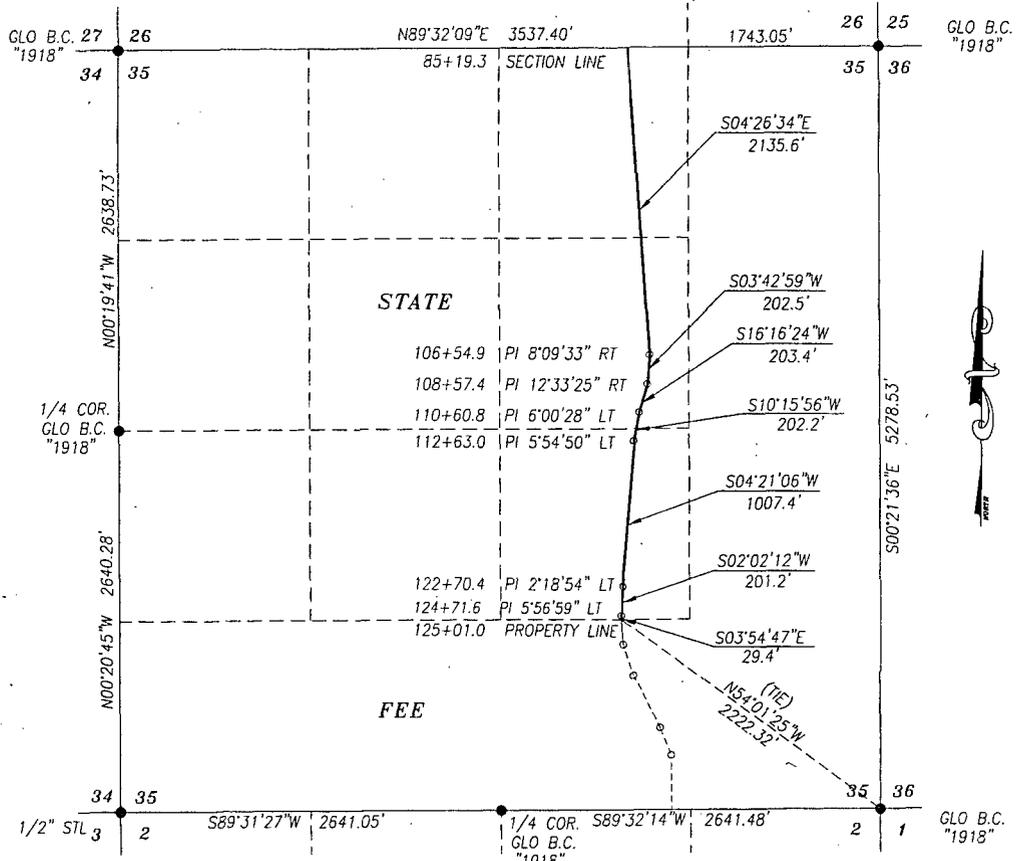


6/12/15
DATE

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	
DRAFTING DATE: JUNE 9, 2015	PAGE 2 OF 5
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 ACREAGES.

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.

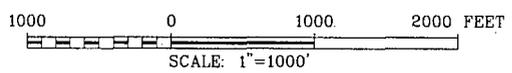
CERTIFICATION
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



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

6/12/15
DATE

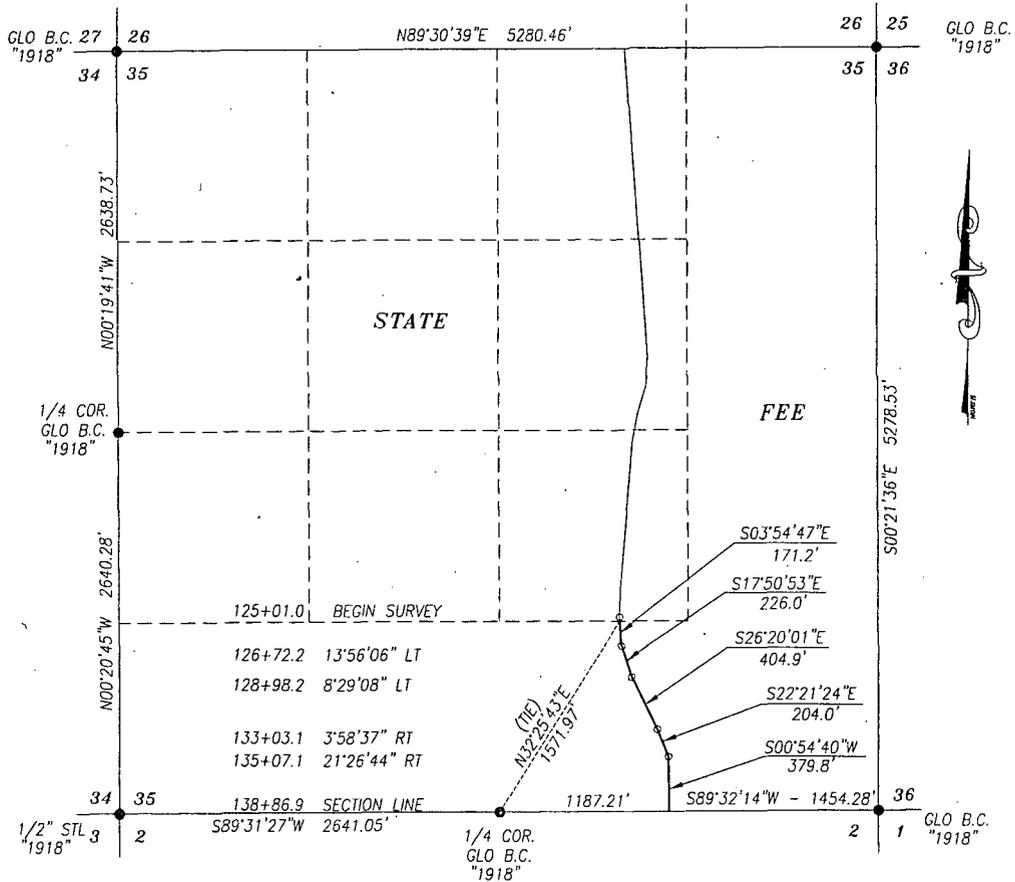
HARCROW SURVEYING, LLC
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c.harcrow@harcrowsurveying.com



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	PAGE 3 OF 5
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

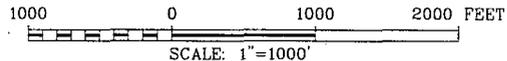
A STRIP OF LAND 30.0 FEET WIDE AND 1385.9 FEET OR 83.99 RODS OR 0.262 MILES IN LENGTH CROSSING FEE LAND IN SECTION 35, TOWNSHIP 22 SOUTH, RANGE 34 EAST, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

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.

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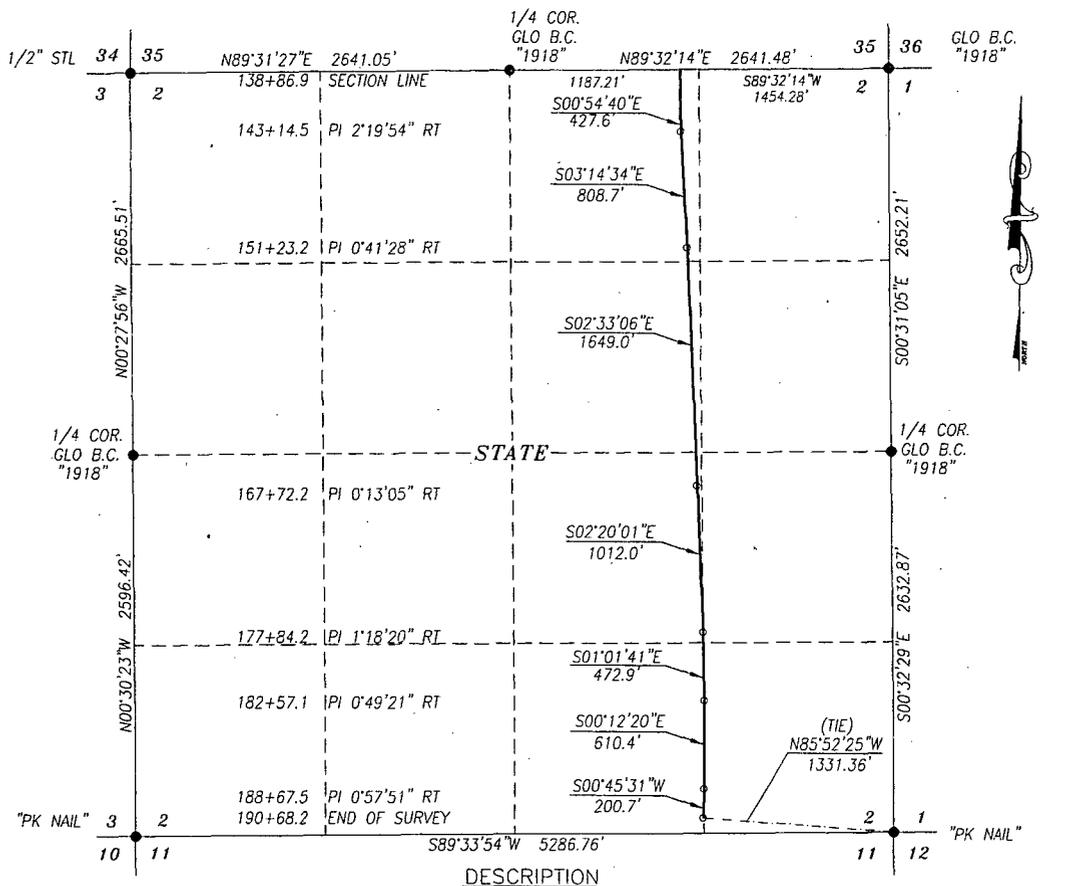


Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777 DATE 6/12/15

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	PAGE 4 OF 5
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 2, TOWNSHIP 23 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 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.

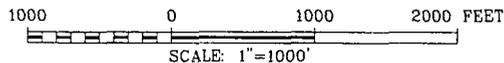
SAID STRIP OF LAND BEING 5181.3 FEET OR 314.02 RODS OR 0.981 MILES IN LENGTH, CONTAINING 3.568 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 NE/4 80.70 RODS OR 0.917 ACRES	SW/4 SE/4 28.34 RODS OR 0.322 ACRES
SW/4 NE/4 80.05 RODS OR 0.910 ACRES	SE/4 SE/4 45.07 RODS OR 0.512 ACRES
NE/4 SE/4 79.86 RODS OR 0.907 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.

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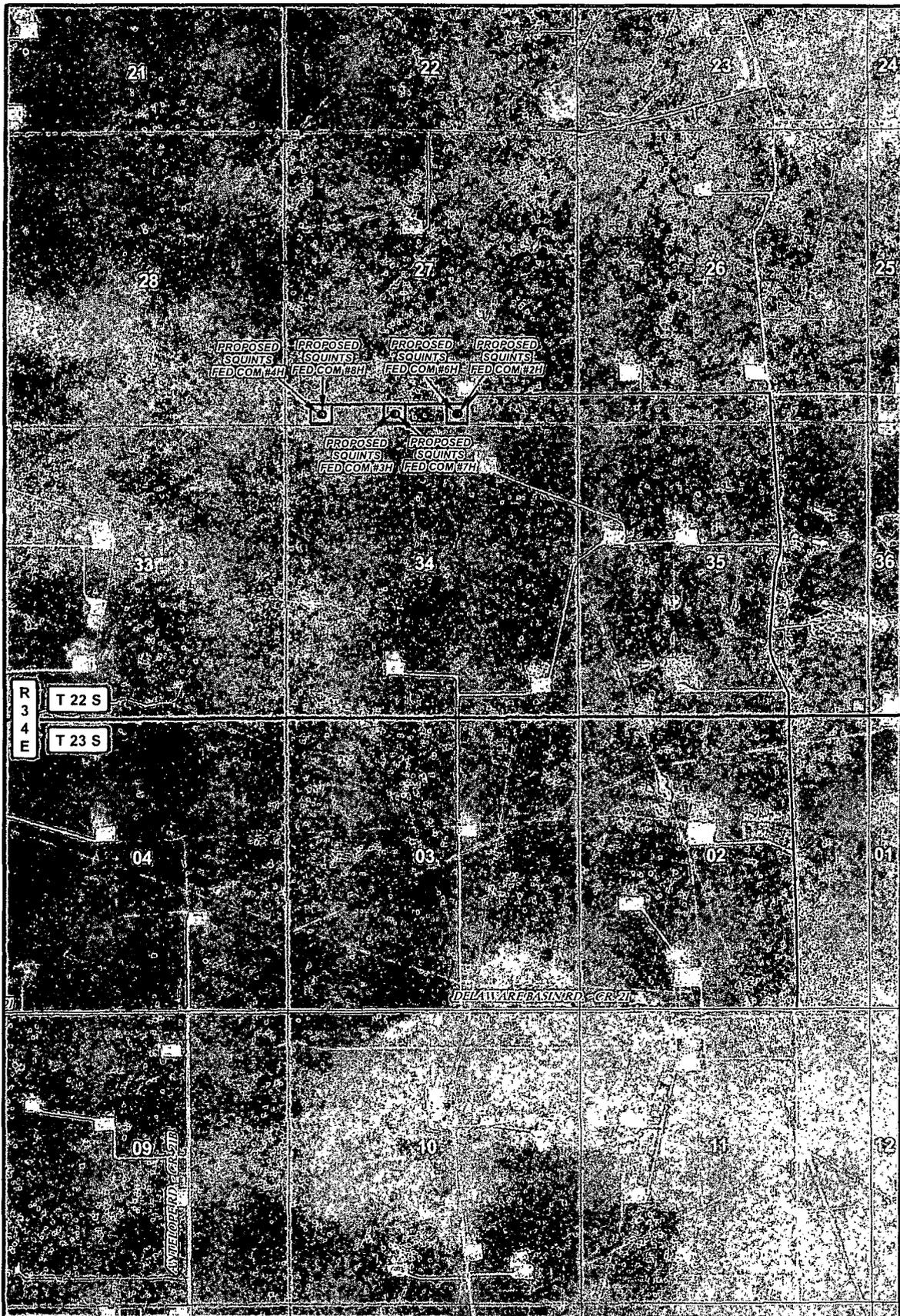
COG OPERATING, LLC

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	PAGE 5 OF 5
APPROVED BY: CH	DRAWN BY: JJ FILE: 15-715



Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777 DATE 6/12/15



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

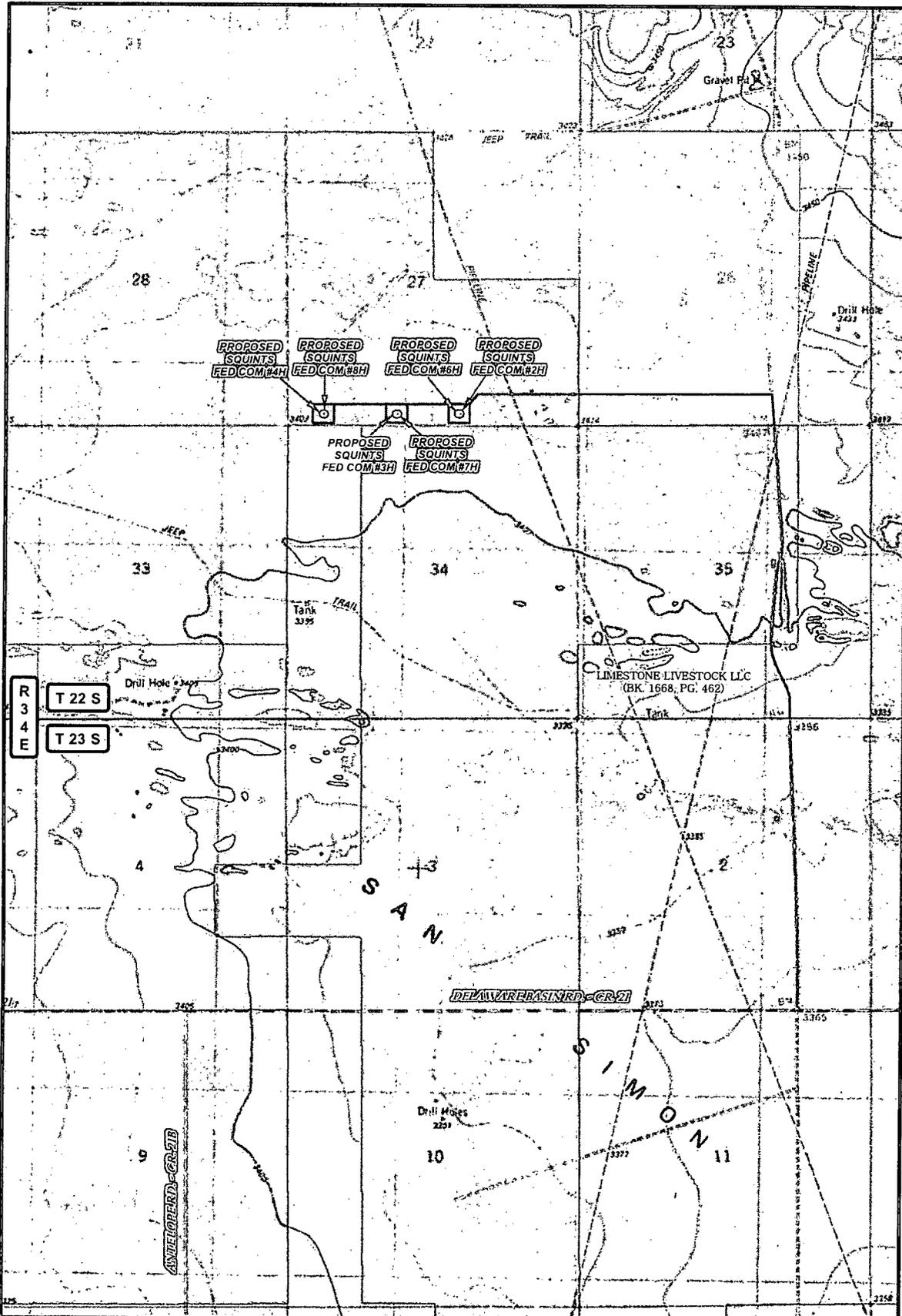
0 2,500 5,000 FEET

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

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


CONCHO
 COG OPERATING, LLC


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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

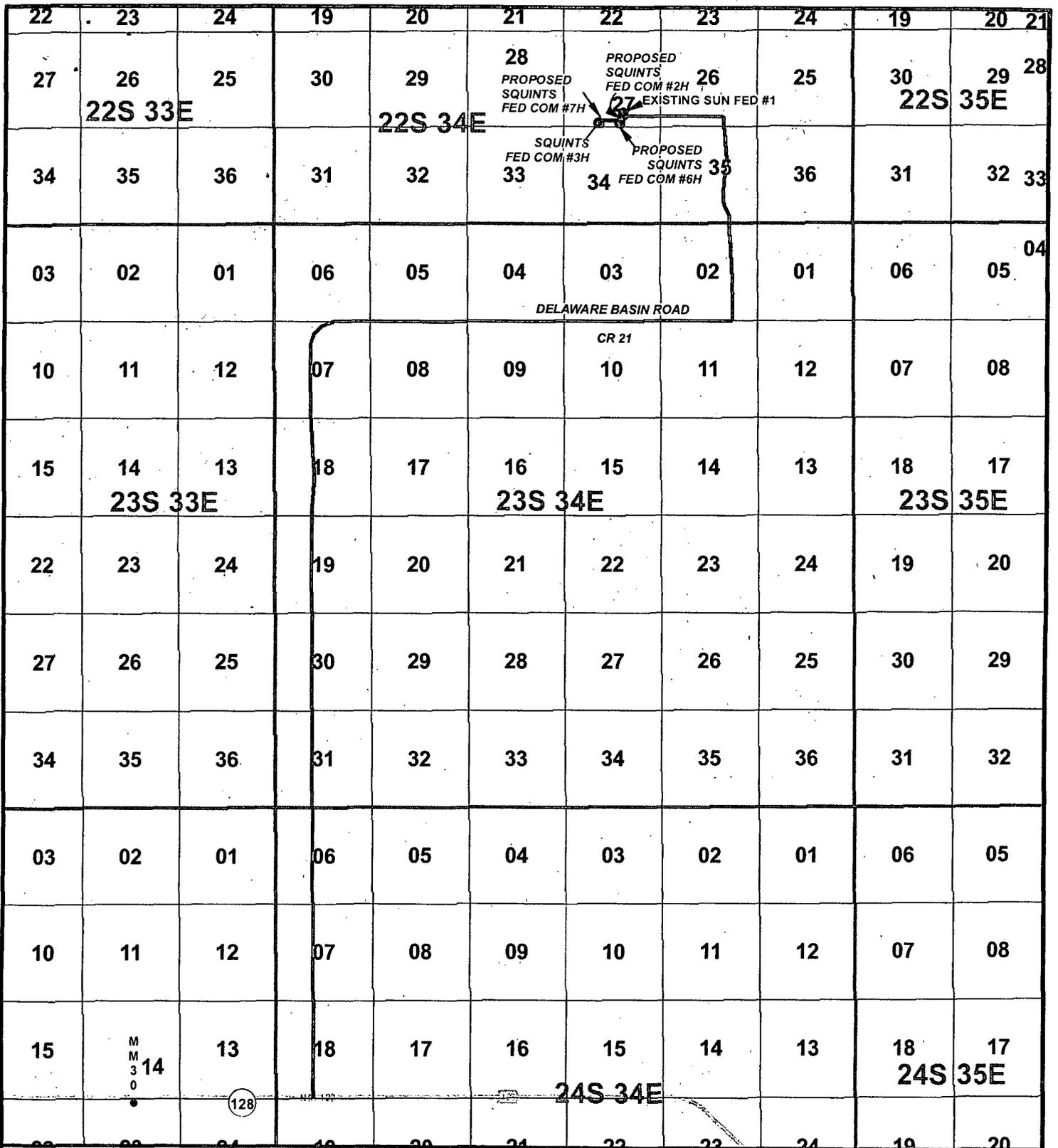
0 2,500 5,000 FEET

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

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


CONCHO
 COG OPERATING, LLC


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LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SQUINTS FEDERAL COM #3H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3404.6'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 1980' FWL

W.O. # 15-707 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

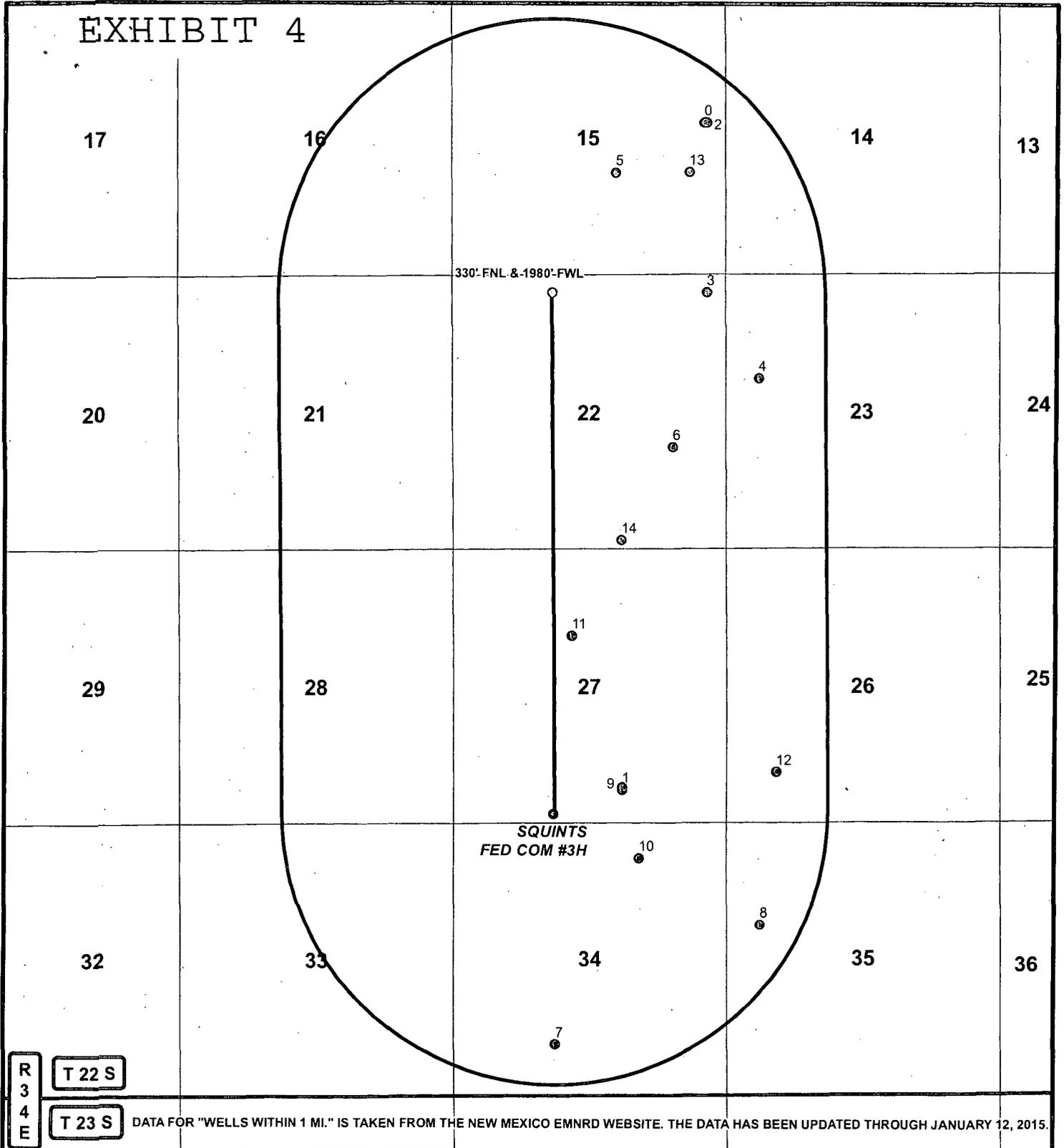
0 0.5 1 2 Miles 1 IN = 7,000 FT

VICINITY MAP 06/08/2015 A.F


CONCHO
 COG OPERATING, 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 #3H			
SEC: 27	TWP: 22 S.	RGE: 34 E.	ELEVATION: 3404.6'
STATE: NEW MEXICO		COUNTY: LEA 190' FSL & 1980' FWL	
W.O. # 15-707	LEASE: SQUINTS FED COM	SURVEY: N.M.P.M	
1 MILE MAP		06/08/2015	

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