

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6181 Fax: (575) 393-0720

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (505) 334-6178 Fax: (505) 334-6170

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) 476-3460 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

HOBBS 005

APR 18 2016

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

RECEIVED

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- <b>43163</b>	Pool Code 96553	Pool Name Ojo Chiso; Bone Spring
Property Code <b>316103</b>	Property Name SQUINTS FEDERAL COM	Well Number 2H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3407.5'

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	27	22-S	34-E		190	SOUTH	2150	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
B	27	22-S	34-E		330	NORTH	2150	EAST	LEA

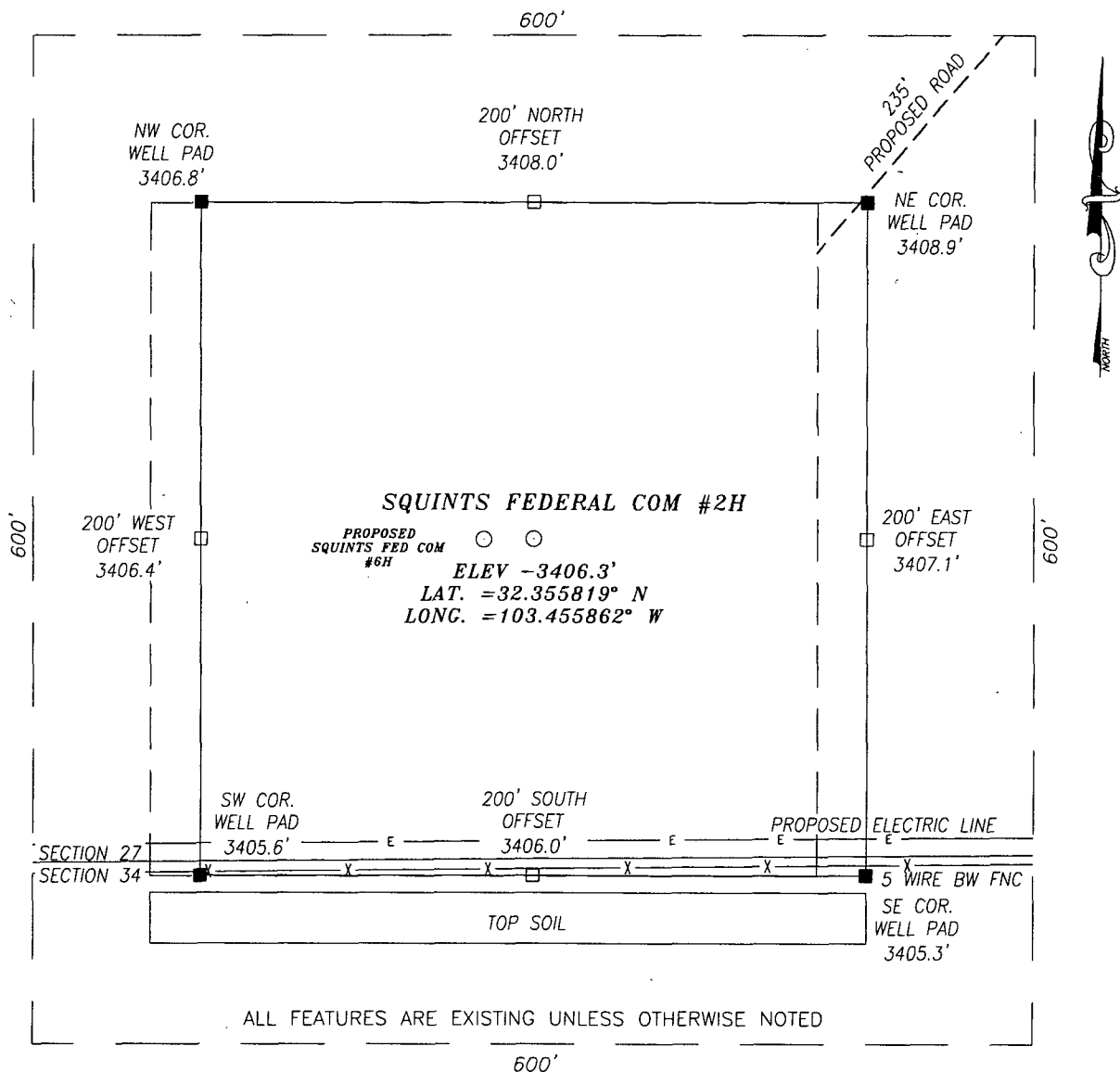
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

	<p><b>OPERATOR CERTIFICATION</b></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> 6/17/15 Signature Date Melanie J Wilson Printed Name mwilson@concho.com E-mail Address</p> <p><b>SURVEYOR CERTIFICATION</b></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 &amp; Seal of Professional Surveyor:  Chad L. Harcrow 6/12/15 Certificate No. CHAD HARCROW 17777 W.O. # 15-706 DRAWN BY: AF</p>
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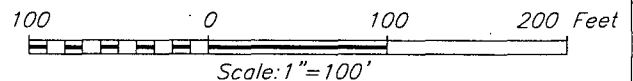
APR 22 2016

SECTION 27, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,  
 EDDY 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. 410 FEET ALONG PROPOSED ROAD.



**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**

**SQUINTS FEDERAL COM #2H WELL**  
 LOCATED 190 FEET FROM THE SOUTH LINE  
 AND 2150 FEET FROM THE EAST LINE OF SECTION 27,  
 TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,  
 LEA COUNTY, NEW MEXICO

SURVEY DATE: 07/09/2015

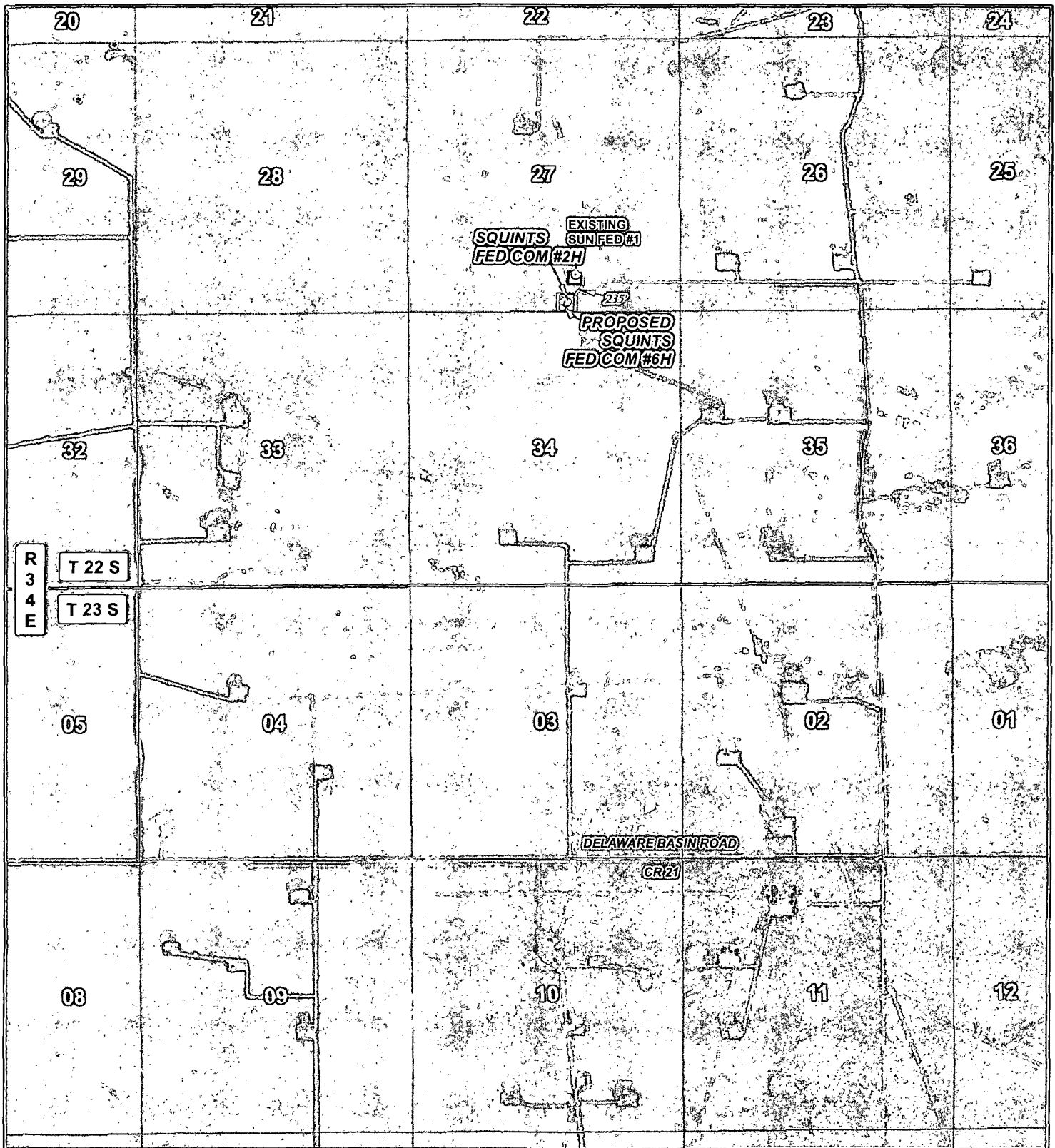
PAGE: 1 OF 1

DRAFTING DATE: 07/14/2015

APPROVED BY: CH

DRAWN BY: WN

FILE: 15-848



**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

**SQUINTS FEDERAL COM #2H**


SEC: 27	TWP: 22 S.	RGE: 34 E.	ELEVATION: 3407.5'
STATE: NEW MEXICO		COUNTY: LEA	190' FSL & 2150' FEL
W.O. # 15-706		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      06/03/2015      A/F



**CONCHO**

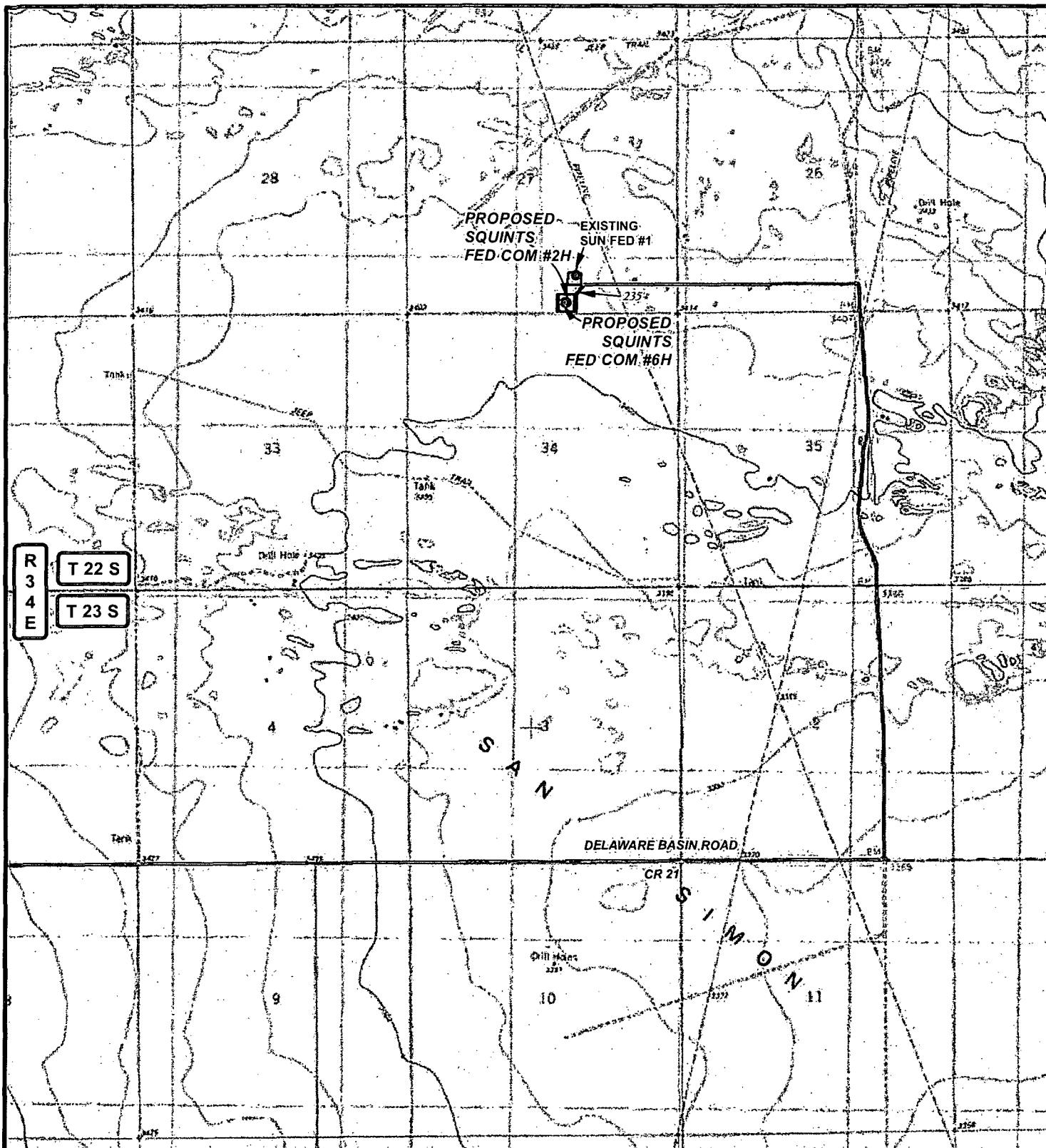
COG OPERATING, LLC

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# LEGEND

• WELL

□ WELLPAD

— EXISTING ROAD

— PROPOSED ROAD

## SQUINTS FEDERAL COM #2H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3407.5'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 2150' FEL

W.O. # 15-706 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

TOPO

06/08/2015

A.F

**CONCHO**

COG OPERATING, LLC

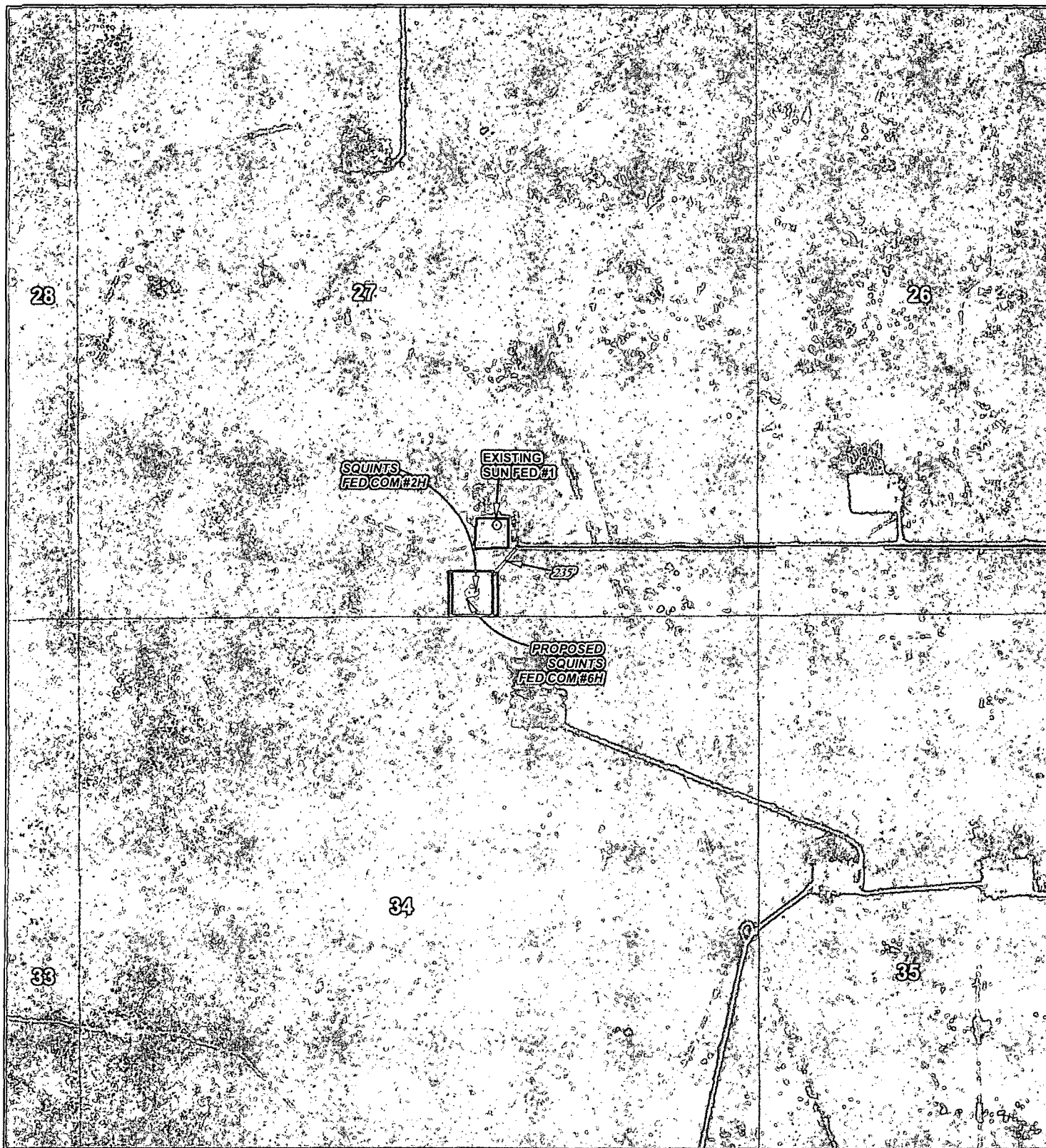


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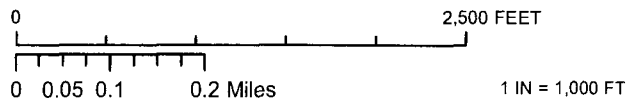


**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

**SQUINTS FEDERAL COM #2H**

SEC: 27	TWP: 22 S.	RGE: 34 E.	ELEVATION: 3407.5'
STATE: NEW MEXICO	COUNTY: LEA	190' FSL & 660' FWL	
W.O. # 15-706	LEASE: SQUINTS FED COM		SURVEY: N.M.P.M

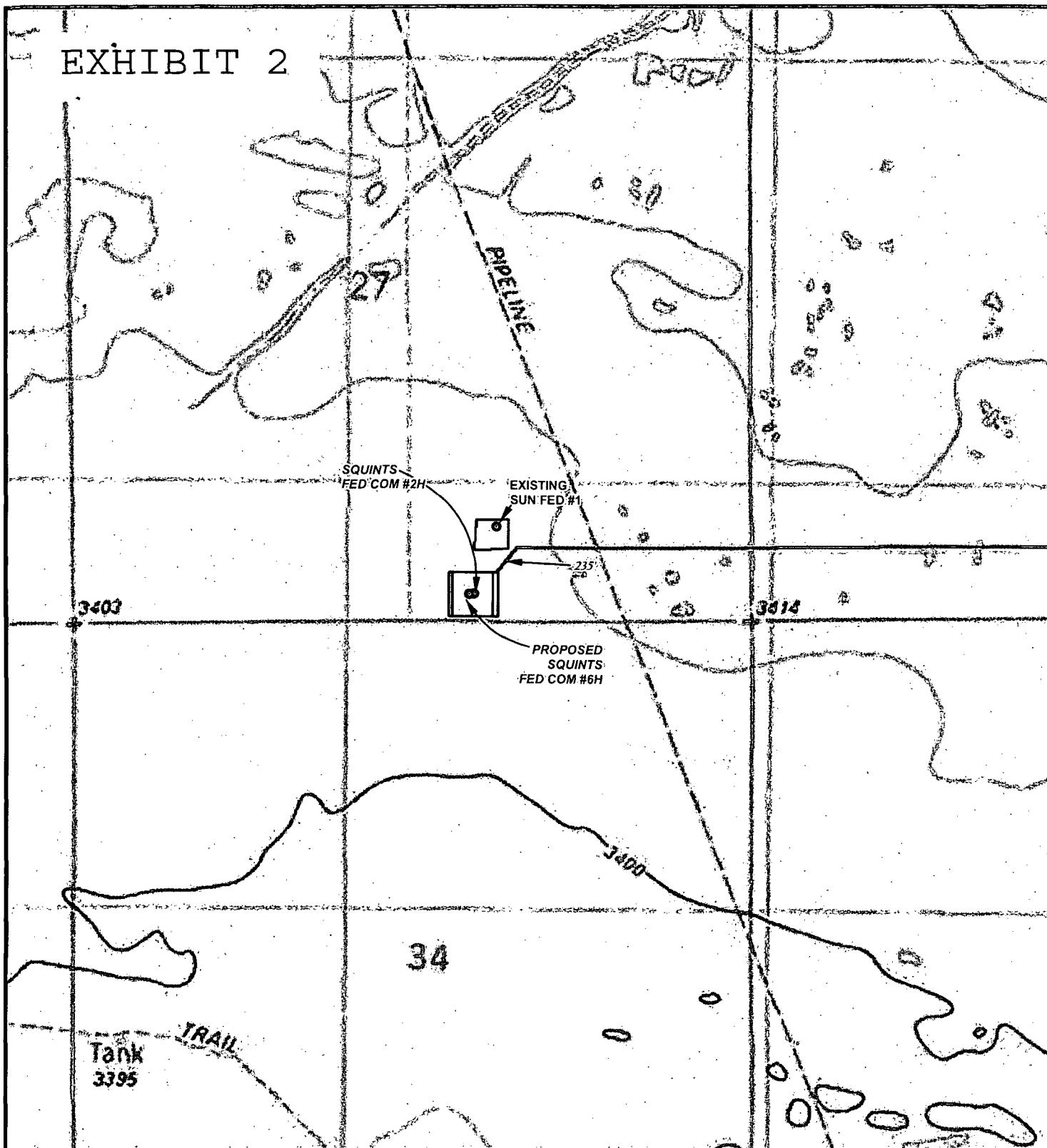


LOCATION MAP      IMAGERY ROAD      06/08/2015      A/F

**CONCHO**  
COG OPERATING, LLC

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# EXHIBIT 2



## LEGEND

• WELL

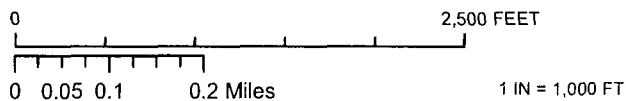
□ WELLPAD

— EXISTING ROAD

— PROPOSED ROAD

## SQUINTS FEDERAL COM #2H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3407.5'  
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 660' FWL  
 W.O. # 15-706 LEASE: SQUINTS FED COM SURVEY: N.M.P.M



LOCATION MAP

TOPO ROAD

06/08/2015

A.F

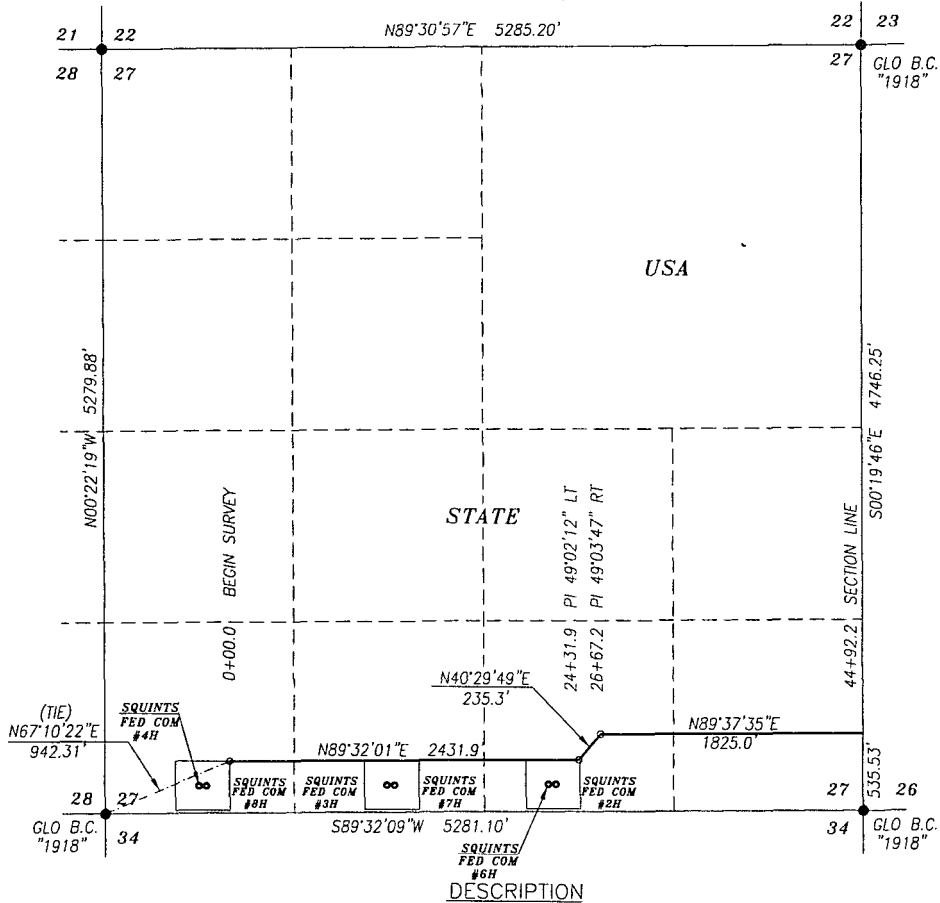
**CONCHO**  
 COG OPERATING, LLC

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 2314 W. MAIN ST, ARTESIA, NM 88210  
 PH: (575) 746-2158 FAX: (575) 746-2158  
 c.harcrow@harcrowsurveying.com

# 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 N00°19'46\"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

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



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

### 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

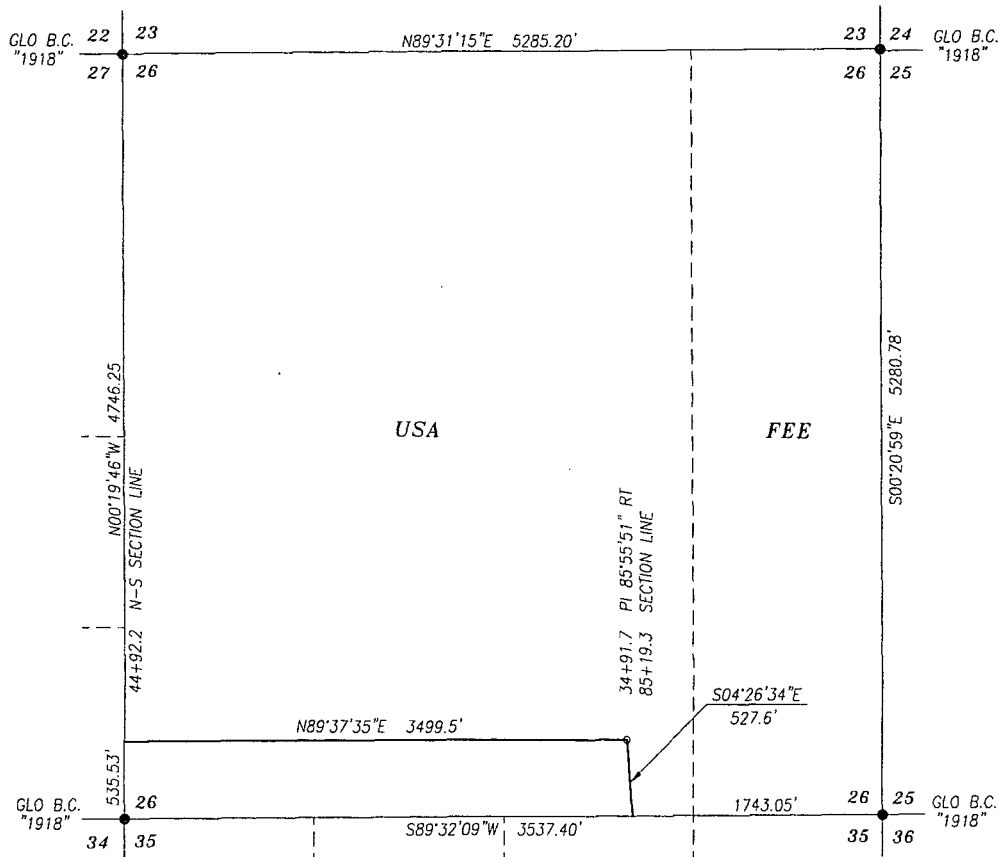
APPROVED BY: CH DRAWN BY: JJ

PAGE 1 OF 5

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.



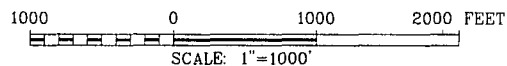
DESCRIPTION

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.

**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.

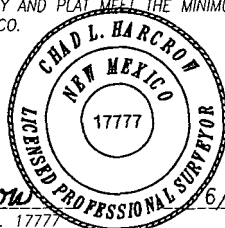
**HARCROW SURVEYING, LLC**  
2314 W. MAIN ST. ARTESIA, N.M. 88210  
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c.harcrow@harcrowsurveying.com



**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	

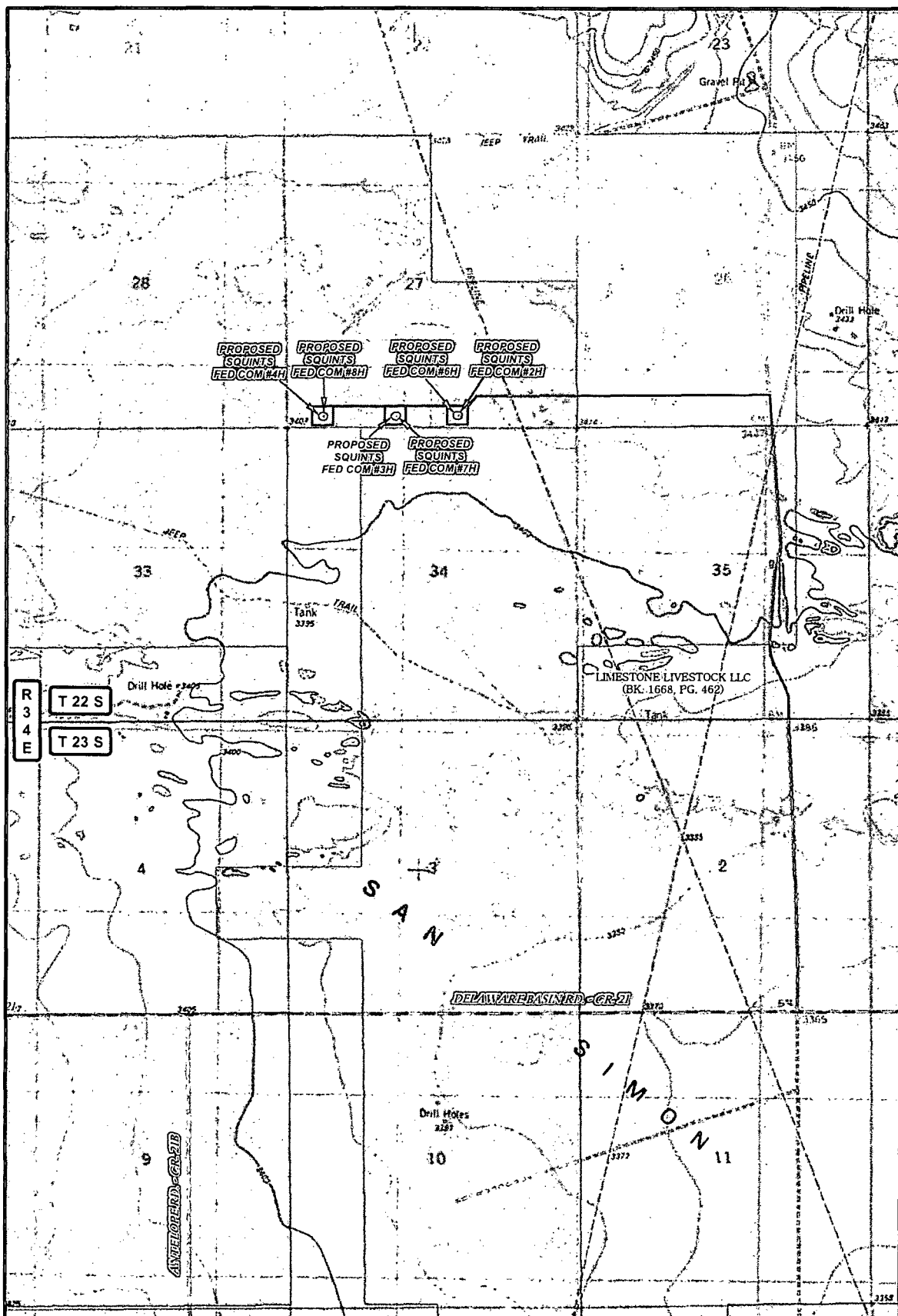


*Chad Harcrow*

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





6/12/15  
DATE





<b>LEGEND</b> • WELL □ WELLPAD — PROPOSED RD. — EXISTING RD. □ PRIVATE □ STATE OF NM □ US BLM		<b>SQUINTS FED COM ACCESS ROAD</b> 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		 <b>CONCHO</b> COG OPERATING, LLC
 0 0.125 0.25 0.5 Miles    1 IN = 2,000 FT		 <b>HARCROW SURVEYING, LLC.</b> 2314 W. MAIN ST. ARTESIA, NM 88210 PH: (575) 746-2158 FAX: (575) 746-2158 c.harcrow@harcrowsurveying.com		
<b>PIPELINE OVERVIEW    LAND STATUS    06/03/2015    SP.</b>				

## LEGEND

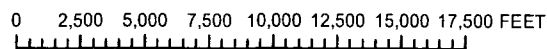
-  WELL  
 WELLPAD  
 EXISTING ROAD  
 PROPOSED ROAD

SQUINTS FEDERAL COM #2H

SEC: 27      TWP: 22 S.      RGE: 34 E.      ELEVATION: 3407.5'

STATE: NEW MEXICO COUNTY: LEA 190' FSL &amp; 2150' FEL

W.O. # 15-706    LEASE: SQUINTS FED COM    SURVEY: N.M.P.M



0 0.5 1 2 Miles

1 IN = 7,000 FT

### VICINITY MAP

06/08/2015

AF



**COG OPERATING, LLC**



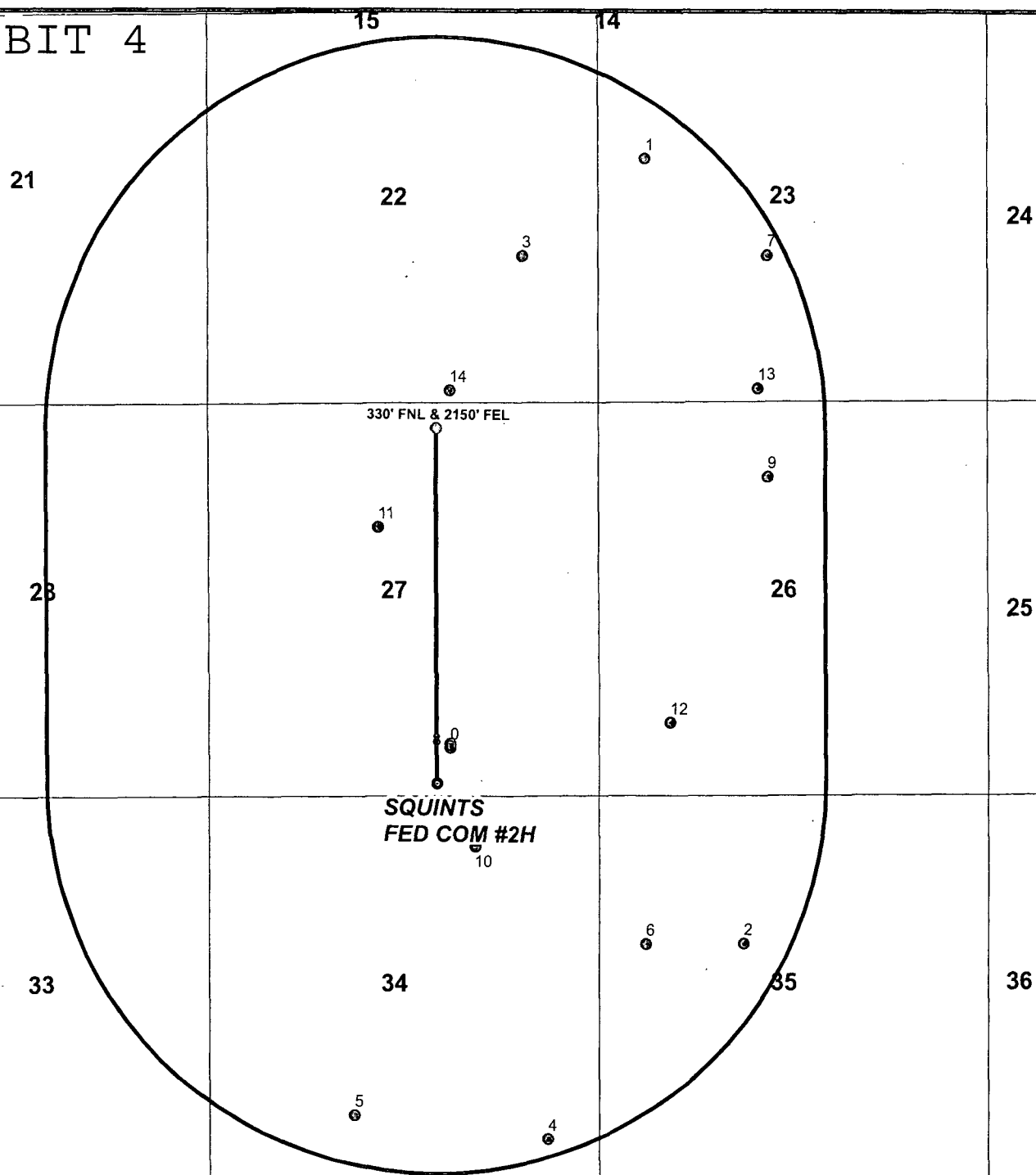
**HARCROW SURVEYING, LLC.**

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► [c.harcrow@harcrowsurveying.com](mailto:c.harcrow@harcrowsurveying.com)

# EXHIBIT 4



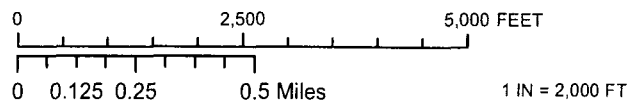
DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JANUARY 12, 2015.

## LEGEND

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

## SQUINTS FEDERAL COM #2H

SEC: 27 TWP: 22 S. RGE: 34 E. ELEVATION: 3407.5'  
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 2150' FEL  
 W.O. # 15-706 LEASE: SQUINTS FED COM SURVEY: N.M.P.M



1 MILE MAP

06/08/2015

A.F.

**CONCHO**  
 COG OPERATING, LLC

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 PH: (575) 746-2158 FAX: (575) 746-2158  
 c.harcrow@harcrowsurveying.com

Squints Federal Com #2H														
FID	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	TVD_DEPTH	COMPL_STAT
	0 J W SORRELLS	SORRELLS 001	32.357233	-103.455758	3002508481	27	22.05	34E	660 S		1980 E		4202	Plugged
	1 AMERICAN QUASAR PET	OJO CHISO 001	32.378983	-103.447096	3002524459	23	22.05	34E	1980 N		660 W		14739	Plugged
	2 BTA OIL PRODUCERS, LLC	MADDOX FEDERAL B 8016 JV-P 001	32.349967	-103.442895	3002527941	35	22.05	34E	1980 N		1980 W		13650	Active
	3 APACHE CORP	FEDERAL 22 001	32.375364	-103.452478	3002529795	22	22.05	34E	1980 S		990 E		13435	Plugged
	4 BTA OIL PRODUCERS, LLC	MAXUS B 8026 JV-P 001	32.342728	-103.451509	3002529807	34	22.05	34E	660 S		660 E		13562	Active
	5 BTA OIL PRODUCERS, LLC	MAXUS B 8026 JV-P 002	32.343644	-103.460025	3002530032	34	22.05	34E	990 S		1980 W		13428	Active
	6 BTA OIL PRODUCERS, LLC	MADDOX FEDERAL B 8016 JV-P 002	32.349969	-103.44719	3002530128	35	22.05	34E	1980 N		660 W		12500	Active
	7 SAMSON RESOURCES CO	CHISO D 001	32.375357	-103.441737	3002530459	23	22.05	34E	1980 S		2310 W		13375	Plugged
	8 COG OPERATING LLC	SUN FEDERAL COM 001	32.35737	-103.455757	3002530603	27	22.05	34E	710 S		1980 E		12780	Active
	9 BTA OIL PRODUCERS, LLC	OJO CHISO FEDERAL 001	32.367193	-103.441764	3002530604	26	22.05	34E	990 N		2310 W		13600	Active
	10 BTA OIL PRODUCERS	MAXUS B 8026 JV-P 003	32.353603	-103.454695	3002530661	34	22.05	34E	660 N		1650 E		13500	Plugged
	11 ORYX ENERGY CO	ANTELOPE FEDERAL COM 001	32.365388	-103.45889	3002530687	27	22.05	34E	1650 N		2310 W		13530	Plugged
	12 BTA OIL PRODUCERS, LLC	OJO CHISO FED. 003	32.358133	-103.446089	3002530733	26	22.05	34E	990 S		990 W		13572	Active
	13 YATES PETROLEUM CORPORATION	TOUR BUS STATE COM 001H	32.370465	-103.442175	3002541458	23	22.05	34E	200 S		2180 W		9	New (Not drilled or compl)
	14 MEWBOURNE OIL CO	PERRO LOCO 22 8308 FEDERAL 001H	32.370431	-103.455715	3002542288	22	22.05	34E	185 S		1980 E		0	New (Not drilled or compl)