

HOBBS OCD  
SEP 15 2015

DISTRICT I  
1625 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) 334-8178 Fax: (505) 334-8170

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 478-3460 Fax: (505) 478-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

RECEIVED Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-	Pool Code 13160	Pool Name Corbin; Bone Spring, South
Property Code <b>40465</b>	Property Name SCOOTER FEDERAL COM	Well Number 2H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3898.4

Surface Location

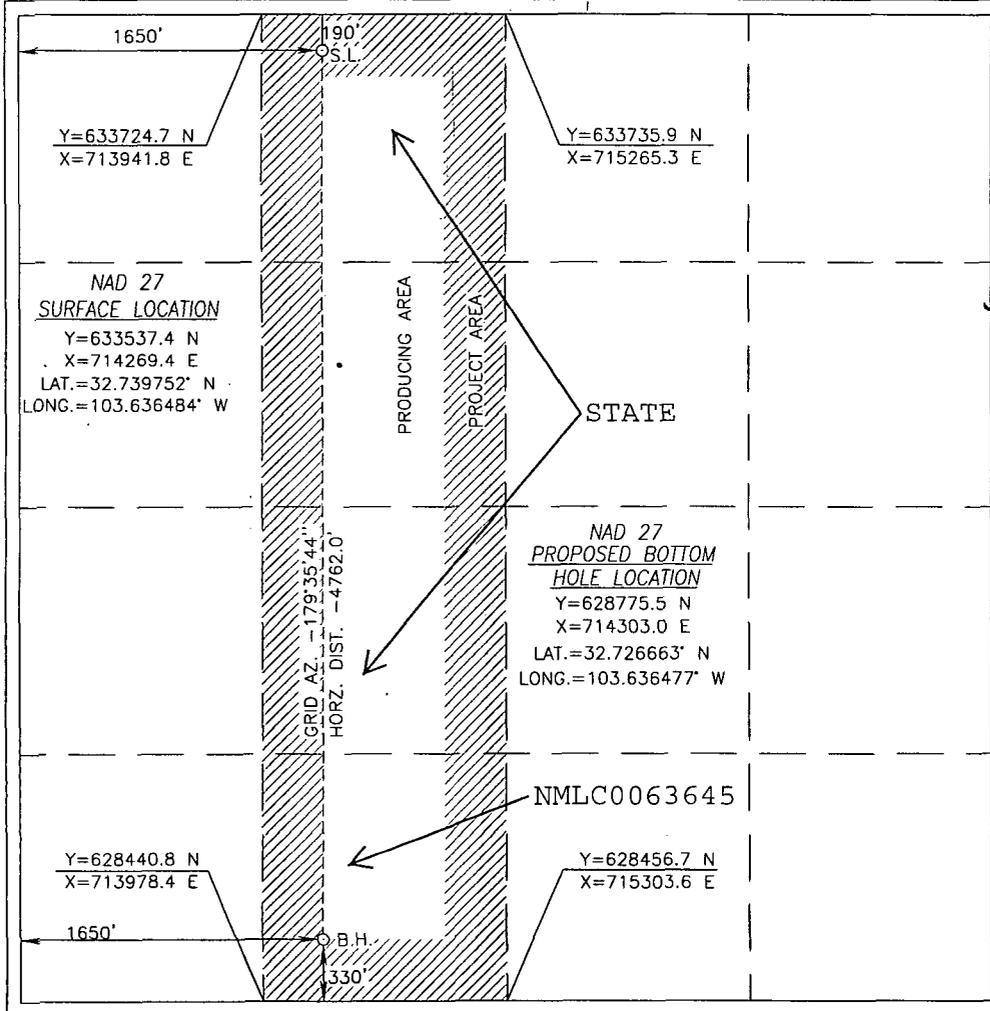
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	23	18-S	33-E		190	NORTH	1650	WEST	LEA

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
N	23	18-S	33-E		330	SOUTH	1650	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



**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.

Signature: *Melanie J Wilson* Date: *4/16/15*

Printed Name: Melanie J Wilson

E-mail Address: mwilson@concho.com

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**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.

Date of Survey: APRIL 1, 2015

Signature & Seal of Professional Surveyor: *Chad L. Harcrow*

**CHAD L. HARCROW**  
NEW MEXICO  
LICENSED PROFESSIONAL SURVEYOR  
17777

Certificate No. CHAD HARCROW 17777  
W.O. # 15-355 DRAWN BY: AF

SEP 16 2015



**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

**SCOOTER FEDERAL COM #2H**

SEC: 23 TWP: 18 S. RGE: 33 E. ELEVATION: 3898.4'  
 STATE: NEW MEXICO COUNTY: LEA 190' FNL & 1650' FWL  
 W.O. # 15-355 LEASE: SCOOTER FED COM SURVEY: N.M.P.M



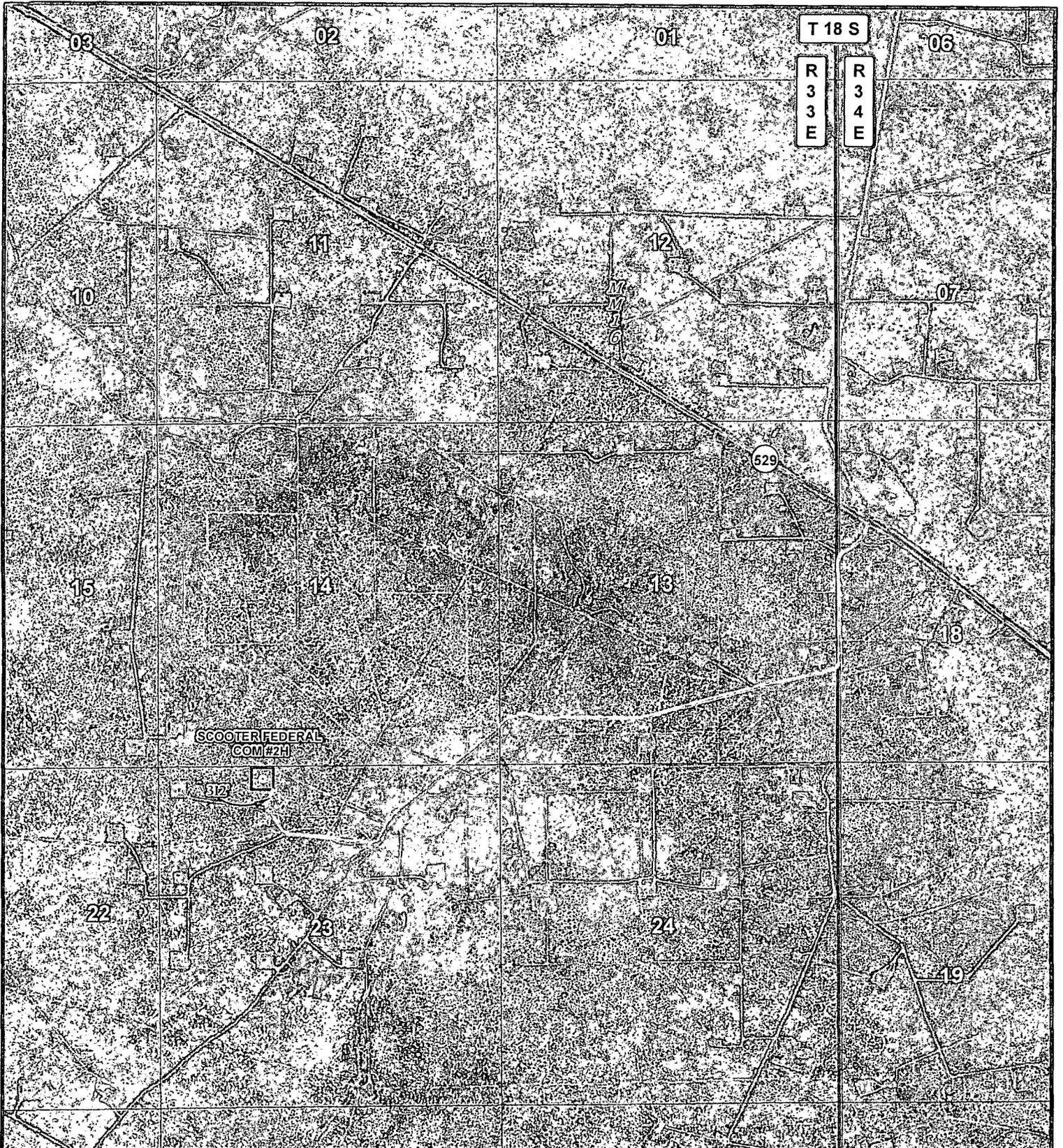
LOCATION MAP      MAGERY ROAD      04/08/2015      A/P



COG OPERATING, LLC



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

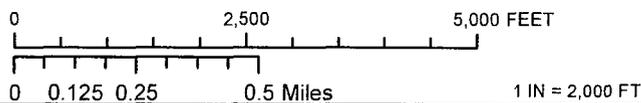


**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

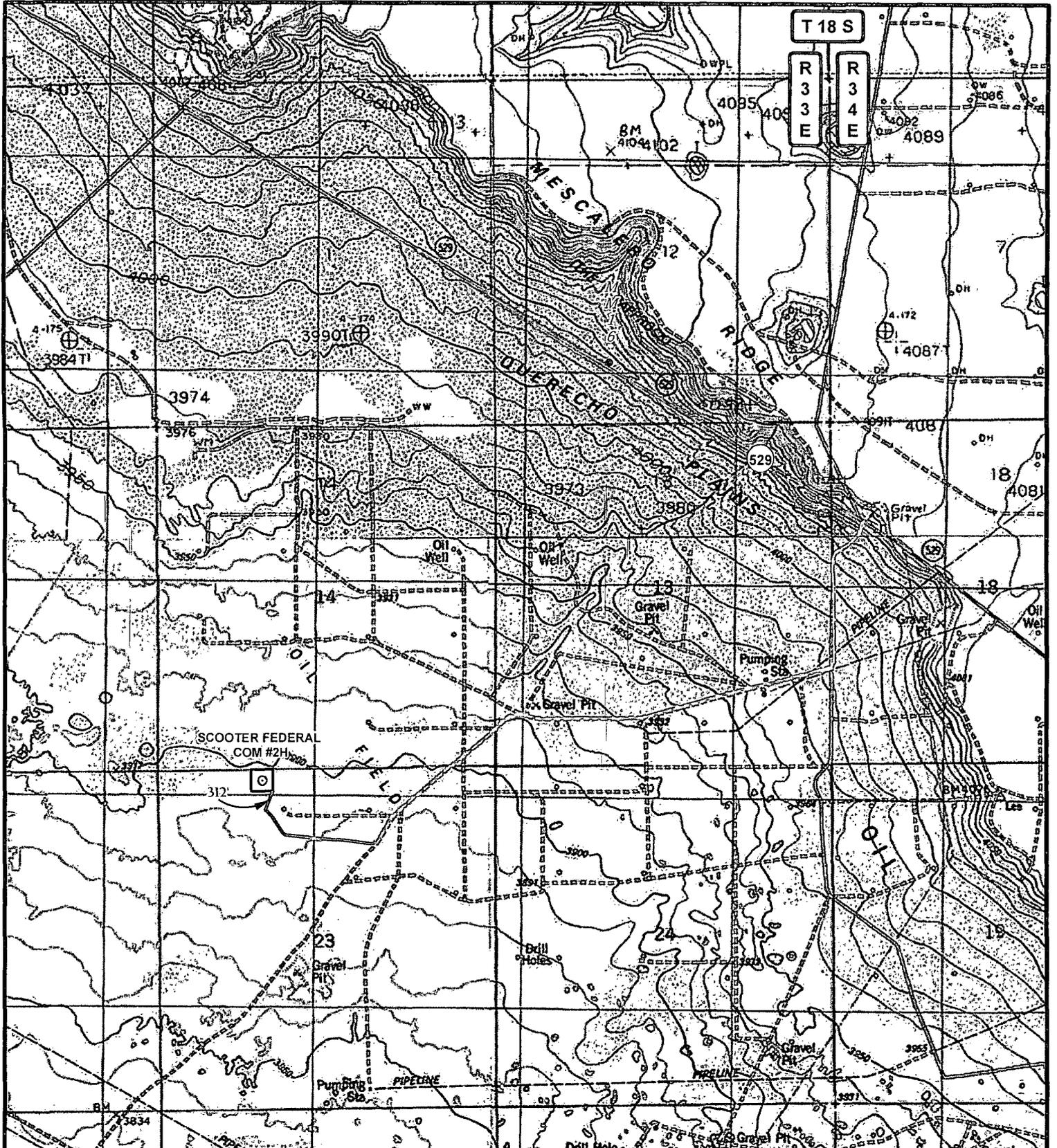
**SCOOTER FEDERAL COM #2H**

SEC: 23 TWP: 18 S. RGE: 33 E. ELEVATION: 3898.4  
 STATE: NEW MEXICO COUNTY: LEA 190' FNL & 1650' FWL  
 W.O. # 15-355 LEASE: SCOOTER FED COM SURVEY: N.M.P.M



LOCATION MAP IMAGEN 01/03/2015 A/P





**LEGEND**

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

**SCOOTER FEDERAL COM #2H**

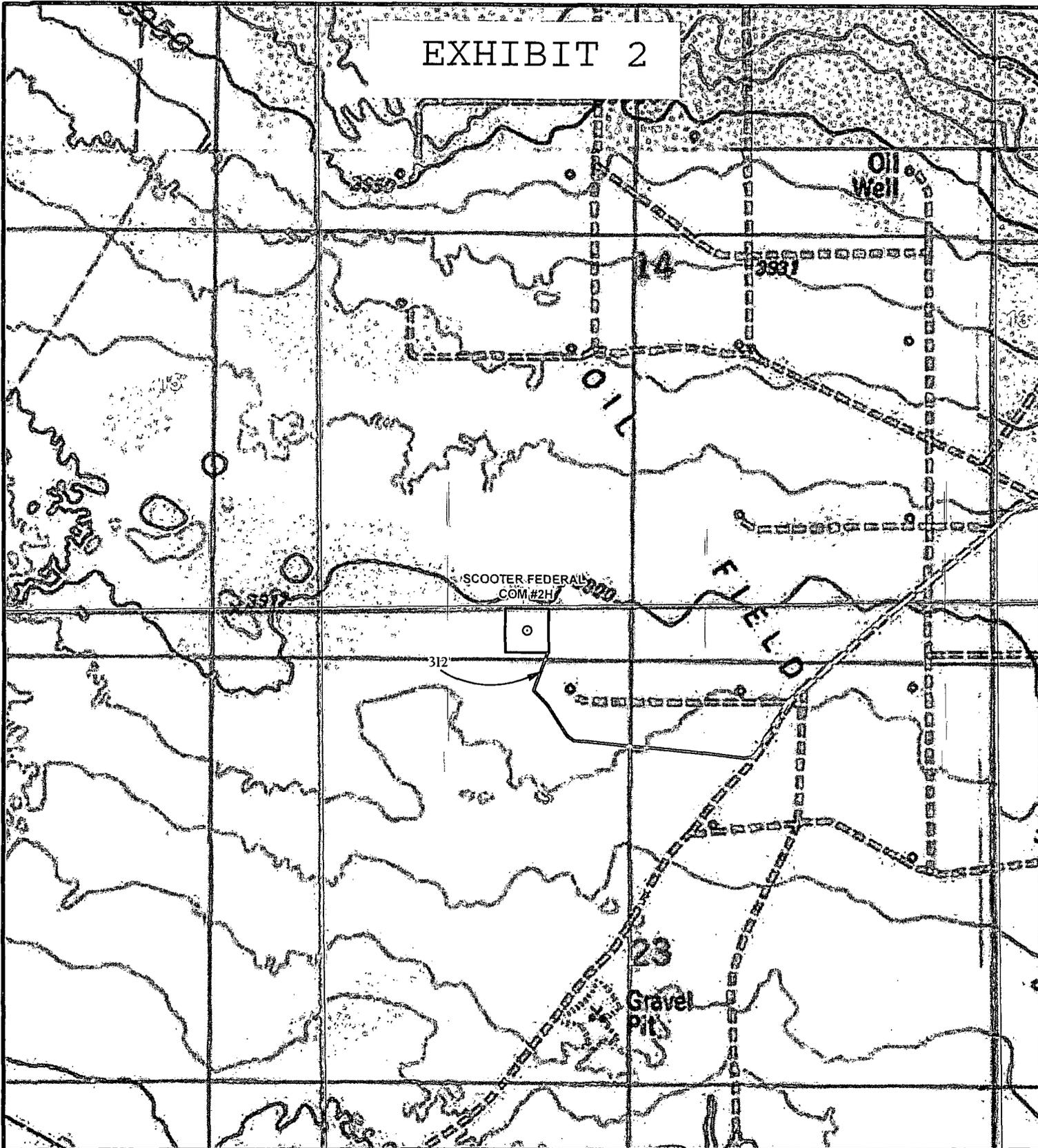
SEC: 23	TWP: 18 S.	RGE: 33 E.	ELEVATION: 3898.4'
STATE: NEW MEXICO		COUNTY: LEA	190' FNL & 1650' FWL
W.O. # 15-355 LEASE: SCOOTER FED COM SURVEY: N.M.P.M			

LOCATION MAP      TOPO      04/03/2015

**CONCHO**  
COG OPERATING, LLC

**H** HARCROW SURVEYING, LLC.  
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PH: (575) 746-2158 FAX: (575) 746-2158  
c.harcrow@harcrowsurveying.com

# EXHIBIT 2



## LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SCOOTER FEDERAL COM #2H			
SEC: 23	TWP: 18 S.	RGE: 33 E.	ELEVATION: 3898.4'
STATE: NEW MEXICO		COUNTY: LEA	190' FNL & 1650' FWL
W.O. # 15-355		LEASE: SCOOTER FED COM	SURVEY: N.M.P.M
0 0.05 0.1 0.2 Miles		2,500 FEET	
0 0.05 0.1 0.2 Miles		1 IN = 1,000 FT	

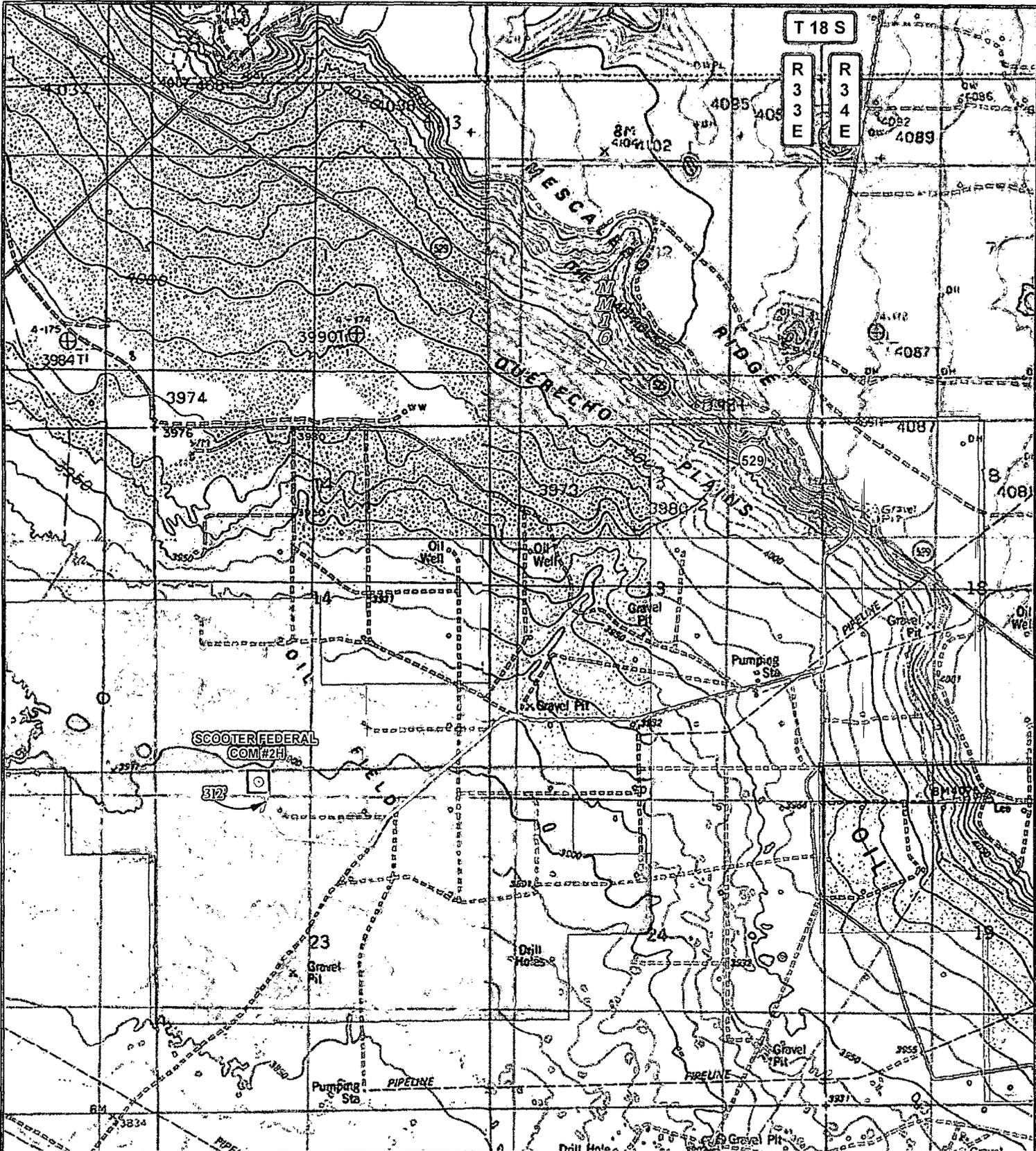
LOCATION MAP TOPO:ROAD 04/03/2015 A/E



COG OPERATING, LLC



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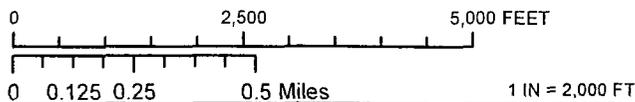


**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- - - PROPOSED ROAD
- STATE OF NM

**SCOOTER FEDERAL COM #2H**

SEC: 23 TWP: 18 S. RGE: 33 E. ELEVATION: 3898.4'  
 STATE: NEW MEXICO COUNTY: LEA 190' FNL & 1650' FWL  
 W.O. # 15-355 LEASE: SCOOTER FED COM SURVEY: N.M.P.M



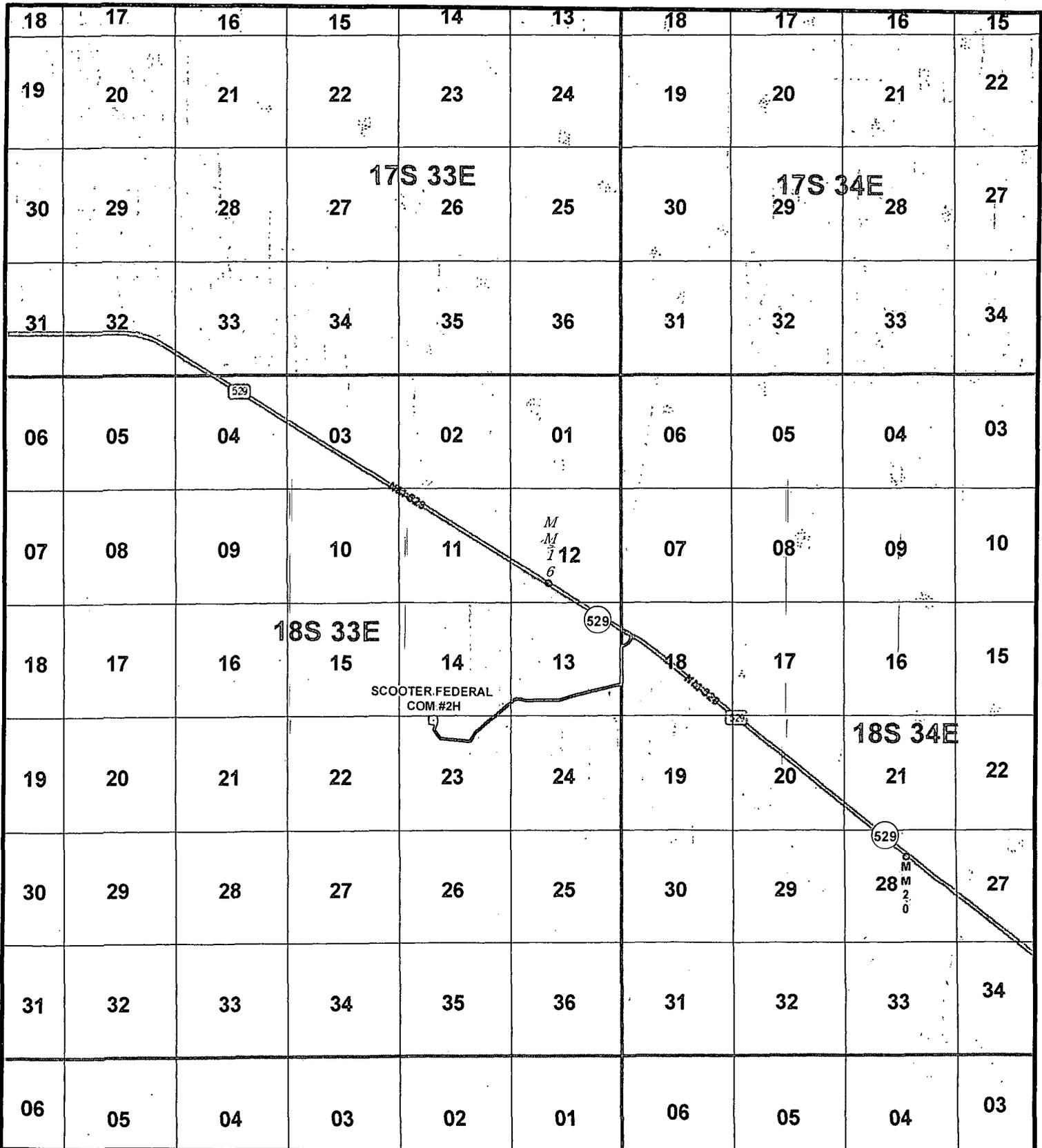
LOCATION MAP LANDSTATUS 04/08/2015 AP



COG OPERATING, LLC



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**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

**SCOOTER FEDERAL COM #2H**

SEC: 23 TWP: 18 S. RGE: 33 E. ELEVATION: 3898.4'

STATE: NEW MEXICO COUNTY: LEA 190' FNL & 1650' FWL

W.O. # 15-355 LEASE: SCOOTER FED COM SURVEY: N.M.P.M

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

0 0.4 0.8 1.6 Miles 1 IN = 6,000 FT

VICINITY MAP 04/03/2015

**CONCHO**

COG OPERATING, LLC

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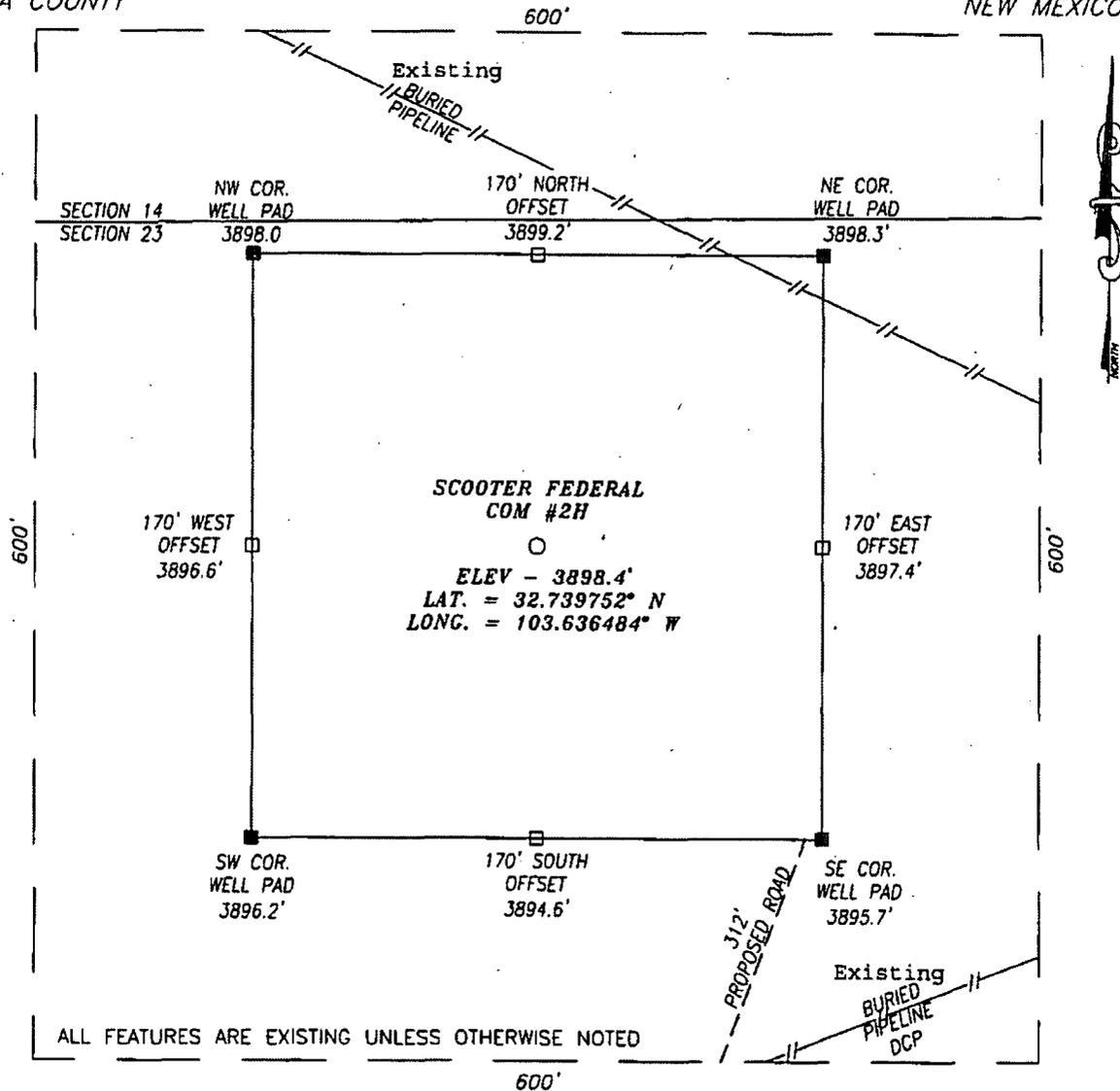
**HS** HARCROW SURVEYING, LLC.

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c.harcrow@harcrowsurveying.com

SECTION 23, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M.,

LEA COUNTY

NEW MEXICO



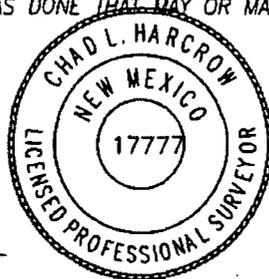
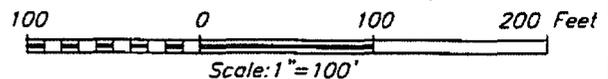
DIRECTIONS TO LOCATION

HEADING EAST ON HWY 529 TURN RIGHT (SOUTHWEST) .8 MILE PAST MM 16 AND GO APPROX. 700 FEET; THEN TURN LEFT (SOUTH) AND GO APPROX. 0.3 MILE; THEN TURN RIGHT (WEST) AND GO 0.6 MILE; THEN GO APPROX. .4 MILE; TURN LEFT (SOUTHWEST) AND GO APPROX. 0.6 MILE; THEN TURN RIGHT (WEST) AND GO 0.3 MILE; THEN TURN RIGHT (NORTHWEST) AND GO APPROX. 0.1 MILE; PROPOSED WELL IS APPROX. 470 FEET NORTH.

NOTE:

ALL ITEMS SHOWN WITHIN THE 600 FOOT X 600 FOOT AREA WERE FIELD LOCATED BY ANY ABOVE GROUND EVIDENCE ON APRIL 1, 2015. THE SURVEYOR WAS NOT PROVIDED ANY EASEMENTS AND NO RESEARCH WAS DONE THAT MAY OR MAY NOT AFFECT THE SUBJECT AREA.

HARCROW SURVEYING, LLC  
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*Chad Harcrow*

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

<b>COG OPERATING, LLC</b>		
SCOOTER FEDERAL COM #2H WELL LOCATED 190 FEET FROM THE NORTH LINE AND 1850 FEET FROM THE WEST LINE OF SECTION 23, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO		
SURVEY DATE: 04/01/2015	PAGE: 1 OF 1	
DRAFTING DATE: 04/03/2015		
APPROVED BY: CH	DRAWN BY: AF	FILE: 15-355

T 18 S

R  
3  
3  
E



**LEGEND**

- WELL
- ▨ FRAC POND
- ▭ WELL PAD
- EXISTING ROAD
- PROPOSED ROAD
- PIPELINE
- ⊙ ANCHOR
- POWERPOLE
- EXISTING POWERLINE
- PROPOSED POWERLINE

**SCOOTER 23 FED COM #2H TO SCOOTER 23 FED COM #1H**

SECTION: 23	TOWNSHIP: 18 S.	RANGE: 33 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-1096		LEASE: SCOOTER 23 FED COM

PIPELINE OVERVIEW    IMAGERY    -09/03/2015    A.F

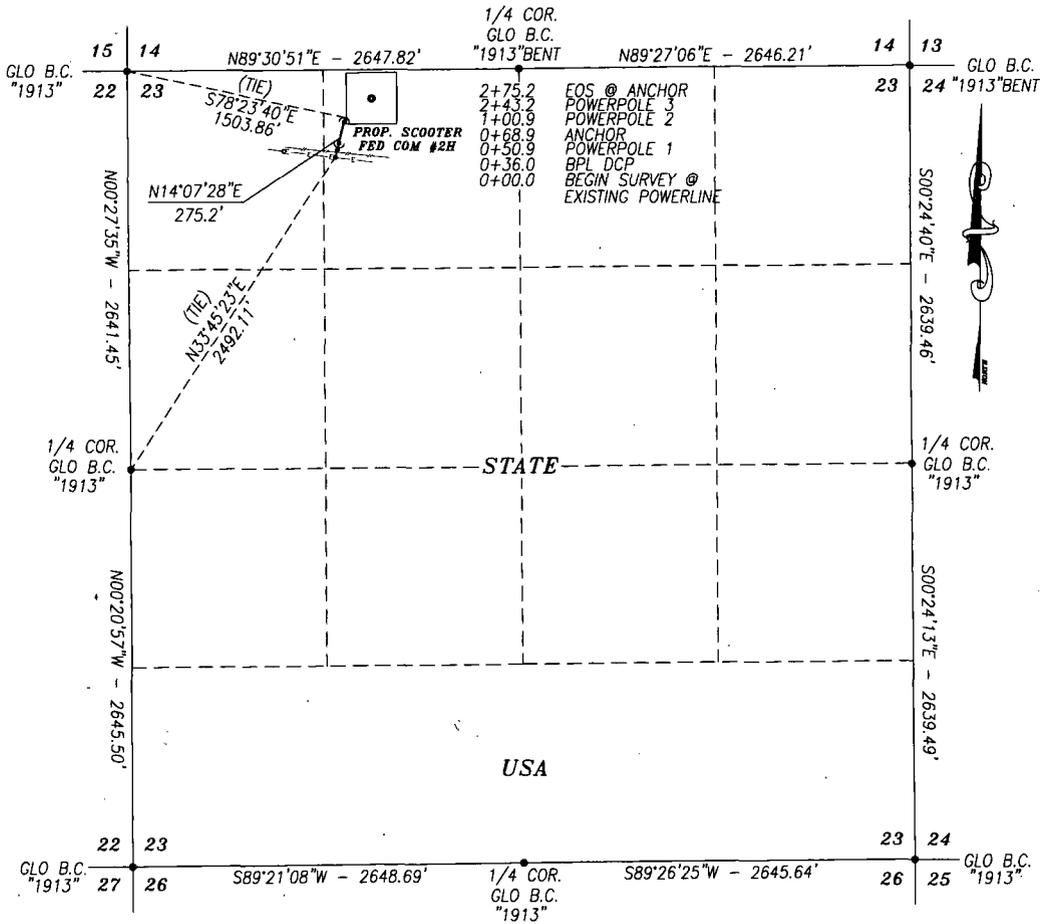
**CONCHO**  
COG OPERATING, LLC

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**HARCROW SURVEYING, LLC.**  
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c.harcrow@harcrowsurveying.com

**POWERLINE PLAT  
COG OPERATING, LLC**

A PROPOSED POWERLINE FROM AN EXISTING POWERLINE TO THE  
SCOOTER FED COM #2H IN  
**SECTION 23, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M.,**  
LEA COUNTY, NEW MEXICO.



**DESCRIPTION**

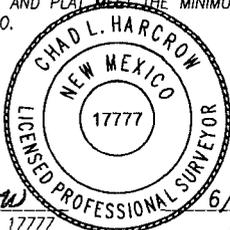
A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 23, TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE NE/4 NW/4 OF SAID SECTION, WHICH LIES N33°45'23\"E 2492.11 FEET FROM THE WEST QUARTER CORNER; THEN N14°07'28\"E 275.2 FEET; TO A POINT IN THE NE/4 NW/4 OF SAID SECTION, WHICH LIES S78°23'40\"E 1503.86 FEET FROM THE NORTHWEST SECTION CORNER.

SAID STRIP OF LAND BEING 275.2 FEET OR 16.68 RODS IN LENGTH, CONTAINING 0.190 ACRES MORE OR LESS AND BEING ENTIRELY LOCATED IN THE NE/4 NW/4 OF SAID SECTION.

**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.

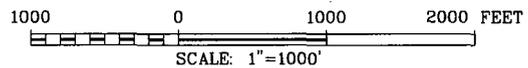


*Chad Harcrow*

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

6/19/15  
DATE

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



<b>COG OPERATING, LLC</b>	
SURVEY OF A PROPOSED POWERLINE LOCATED IN SECTION 23, TOWNSHIP 18 SOUTH, RANGE 33 EAST, LEA COUNTY, NMPM, NEW MEXICO	
SURVEY DATE: MAY 26, 2015	
DRAFTING DATE: JUNE 8, 2015	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: JH
	FILE: 15-632

T 18 S

R 33 E



**LEGEND**

- ANCHOR
- POWERPOLE
- EXISTING LINE
- PROP. POWERLINE
- WELL
- WELLPAD

**SCOOTER FED COM #2H POWERLINE**

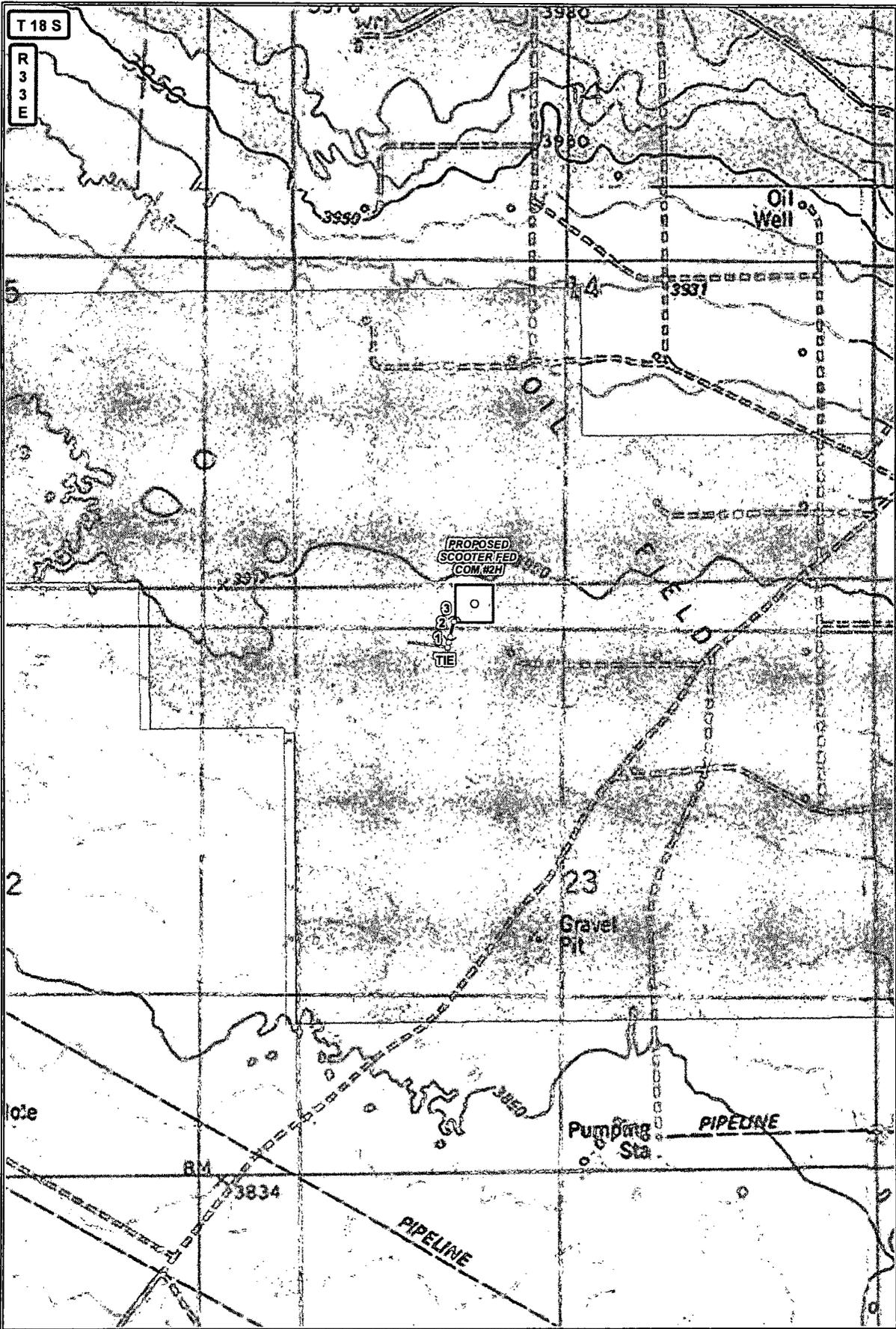
SECTION: 23	TOWNSHIP: 18 S.	RANGE: 33 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-632	LEASE: SCOOTER FED COM	

1 IN = 1,000 FT

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

**CONCHO**  
COG OPERATING, LLC

**HARCROW SURVEYING, LLC.**  
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PH: (575) 746-2158 FAX: (575) 746-2158  
c.harcrow@harcrowsurveying.com



**LEGEND**

- ANCHOR
- POWERPOLE
- EXISTING LINE
- - - PROP. POWERLINE
- WELL
- WELLPAD
- ▨ PRIVATE
- ▩ STATE OF NM
- ▭ US BLM

**SCOOTER FED COM #2H POWERLINE**

SECTION: 23	TOWNSHIP: 18 S.	RANGE: 33 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-632	LEASE: SCOOTER FED COM	

0 2,500 FEET

0 0.05 0.1 0.2 Miles 1 IN = 1,000 FT

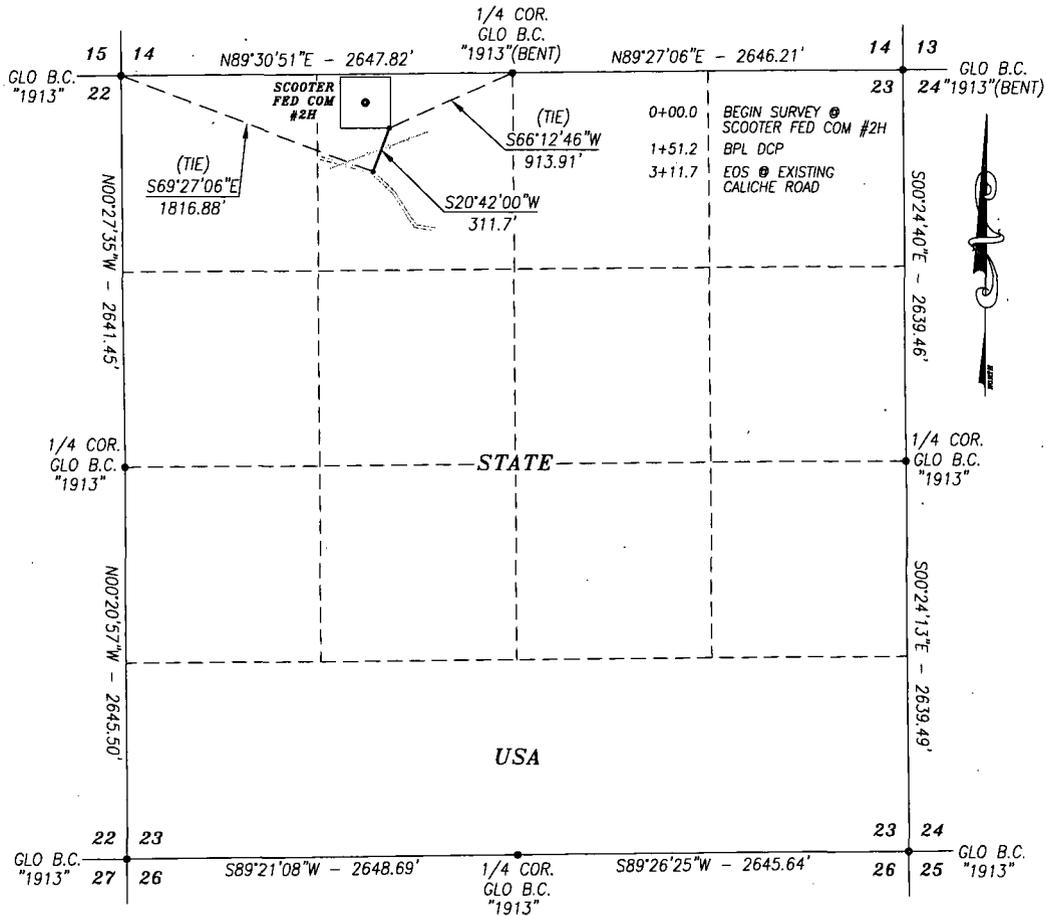
**POWERLINE OVERVIEW LAND STATUS 06/09/2015 SP.**

  
**CONCHO**  
 COG OPERATING, LLC


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

**ACCESS ROAD PLAT  
COG OPERATING, LLC.**

A PROPOSED ROAD FROM THE SCOOTER FED COM #2H TO AN EXISTING CALICHE ROAD IN  
**SECTION 23, TOWNSHIP 18 SOUTH, RANGE 33 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 23, TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE NE/4 NW/4 OF SAID SECTION, WHICH LIES S66°12'46"W 913.91 FEET FROM THE NORTH QUARTER CORNER; THEN S20°42'00"W 311.7 FEET; TO A POINT IN THE NE/4 NW/4 OF SAID SECTION, WHICH LIES S69°27'06"E 1816.88 FEET FROM THE NORTHWEST CORNER.

SAID STRIP OF LAND BEING 311.7 FEET OR 18.89 RODS IN LENGTH, CONTAINING 0.215 ACRES MORE OR LESS AND BEING ENTIRELY LOCATED IN THE NE/4 NW/4 OF SAID SECTION.

**BASIS OF BEARING:**

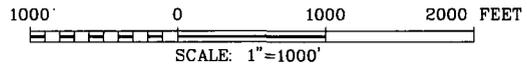
BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE GRID VALUES.

**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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c.harcrow@harcrowsurveying.com



**COG OPERATING, LLC**

SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN  
SECTION 23, TOWNSHIP 18 SOUTH, RANGE 33 EAST,  
LEA COUNTY, NMPM, NEW MEXICO

SURVEY DATE: APRIL 1, 2015

DRAFTING DATE: AUGUST 17, 2015

APPROVED BY: CH

DRAWN BY: SP

PAGE 1 OF 1

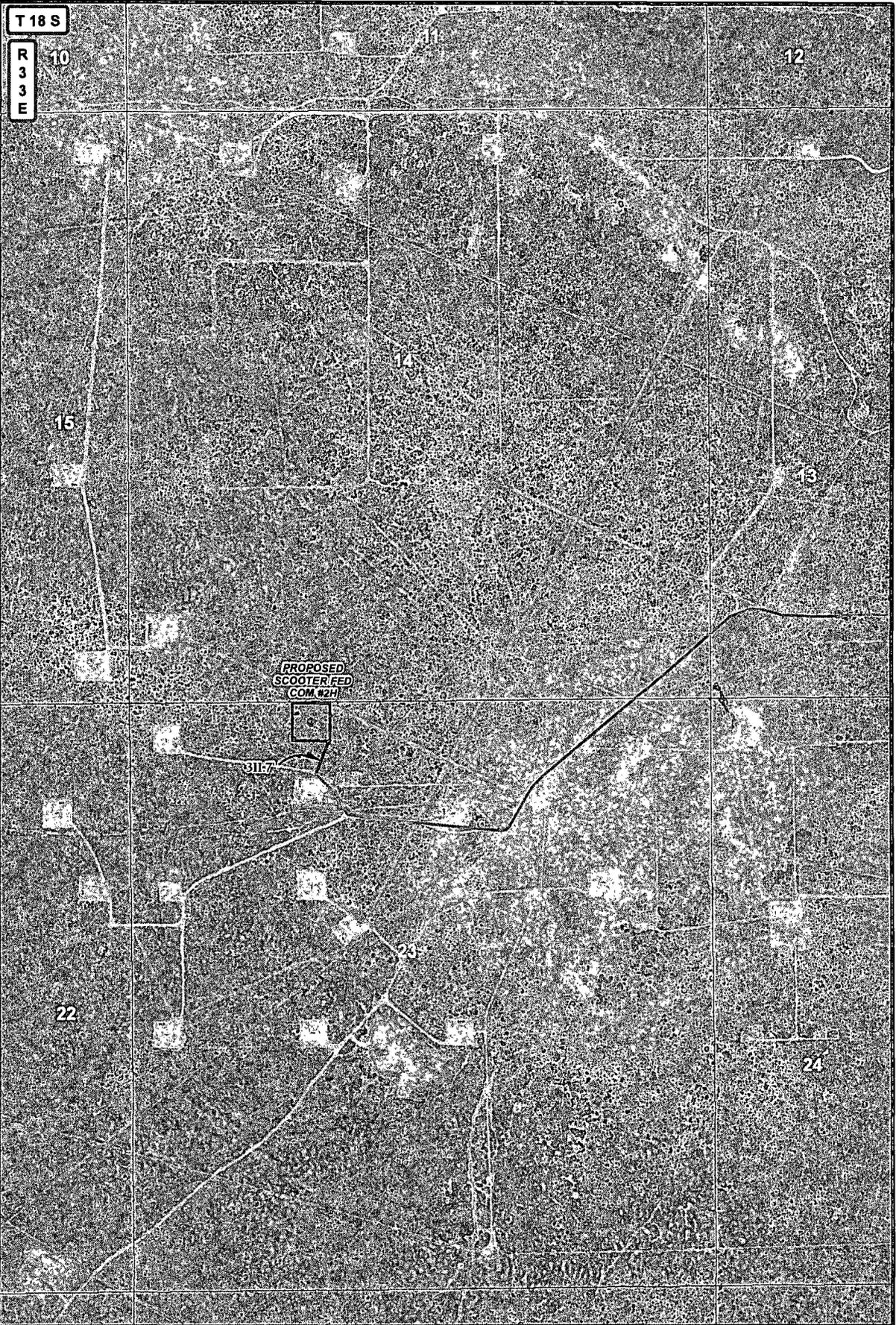
FILE: 15-1068



*Chad Harcrow*

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

DATE



**LEGEND**

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

**SCOOTER FED COM #2H ACCESS ROAD**

SECTION: 23	TOWNSHIP: 18 S.	RANGE: 33 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-1068	LEASE: SCOOTER FED COM	

0 0.05 0.1 0.2 Miles

0 2,500 FEET

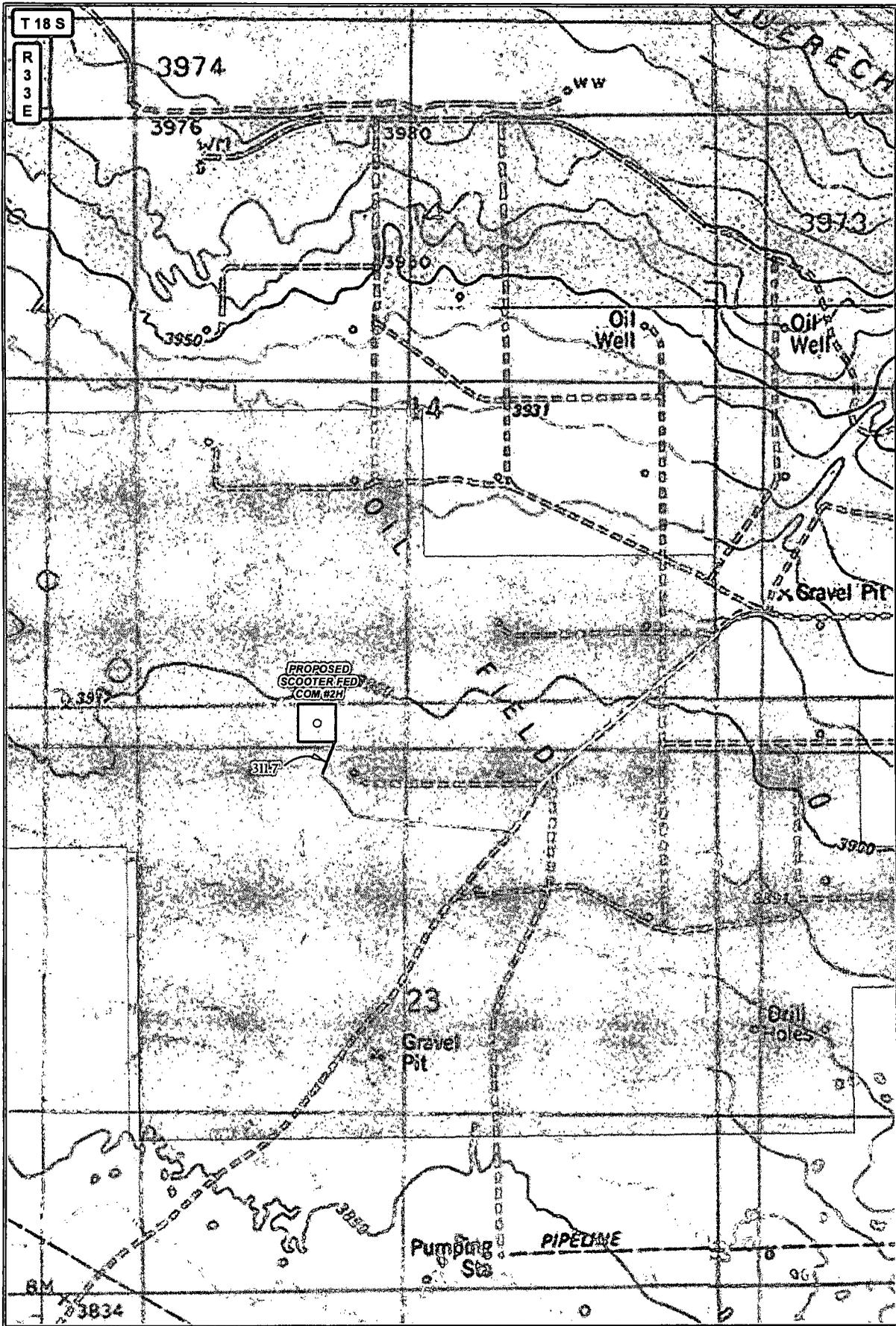
1 IN = 1,000 FT

PIPELINE OVERVIEW      IMAGERY      08/17/2015      S.P.

  
**CONCHO**  
 COG OPERATING, LLC

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 c.harcrow@harcrowsurveying.com



**LEGEND**

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

**SCOOTER FED COM #2H ACCESS ROAD**

SECTION: 23	TOWNSHIP: 18 S.	RANGE: 33 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-1068	LEASE: SCOOTER FED COM	

0 2,500 FEET

0 0.05 0.1 0.2 Miles 1 IN = 1,000 FT

**PIPELINE OVERVIEW LAND STATUS 08/17/2015 SP.**

  
**CONCHO**  
 COG OPERATING, LLC

---


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09

# EXHIBIT 4

11

12

16

15

14

13

35 13  
36

SCOOTER FEDERAL  
COM #2H

21

22

23

24

18S 33E

330' FSL & 1650' FWL

28

27

26

25

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

## SCOOTER FEDERAL COM #2H

SEC: 23 TWP: 18 S. RGE: 33 E. ELEVATION: 3898.4'

STATE: NEW MEXICO COUNTY: LEA 190' FNL & 1650' FWL

W.O. # 15-355 LEASE: SCOOTER 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

04/03/2015

A.F.



COG OPERATING, LLC



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