

DISTRICT I  
1825 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-8181 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) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3460 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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate  
District Office

FEB 08 2016  
RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- <b>43068</b>	Pool Code 97922	Pool Name WC-025 G-06 S223421L; Bone Spring
Property Code <b>315744</b>	Property Name SMALLS FEDERAL	Well Number 7H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3410.3

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	28	22-S	34-E		190'	SOUTH	2010'	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	28	22-S	34-E		330'	NORTH	1980'	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

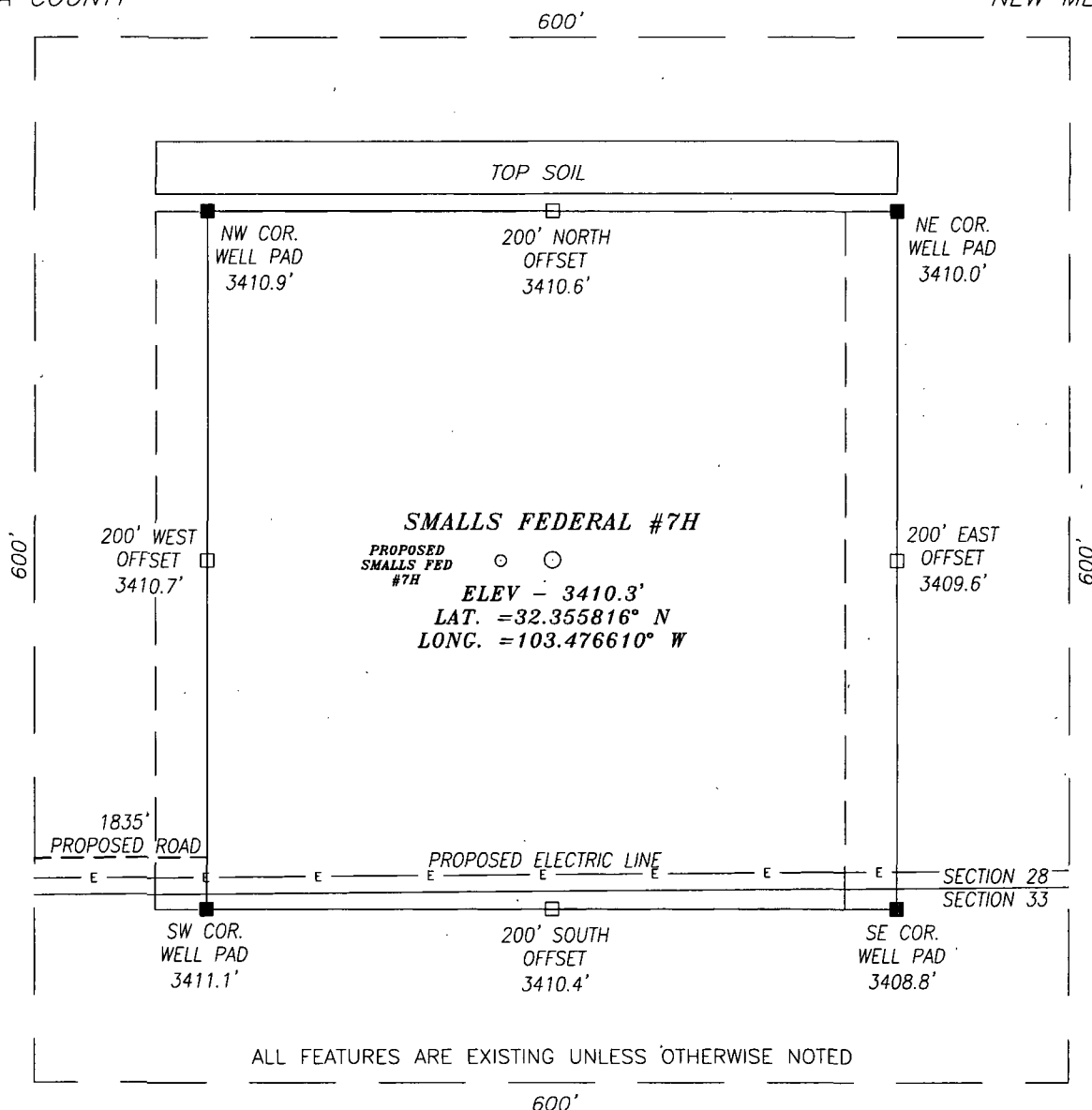
<p>1980'</p> <p>Y=499301.8 N X=763831.3 E</p> <p>NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=498975.9 N X=764491.7 E LAT.=32.368890° N LONG.=103.476686° W</p> <p>PROJECT AREA</p> <p>PRODUCING AREA</p> <p>GRID AZ. = 359°15'22" HORZ. DIST. = 4756.4'</p> <p>B.H.</p> <p>330'</p> <p>Y=499310.0 N X=765152.4 E</p> <p>NMN116047</p> <p>NAD 27 SURFACE LOCATION Y=494219.9 N X=764553.4 E LAT.=32.355816° N LONG.=103.476610° W</p> <p>2010'</p> <p>Y=494024.1 N X=763866.2 E</p> <p>Y=494035.2 N X=765187.5 E</p> <p>190'</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> 2/22/15 Signature Date</p> <p>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 &amp; Seal of Professional Surveyor</p> <p> Chad L. Harcrow 2/5/15 Certificate No. CHAD HARCROW 17777 W.O. # 14-1293 DRAWN BY: AF</p>
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FEB 11 2016

# SECTION 28, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,

LEA COUNTY

NEW MEXICO



## DIRECTIONS TO LOCATION

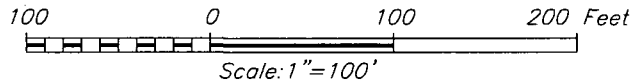
FROM THE INTERSECTION OF HWY 128 AND DELAWARE BASIN ROAD GO NORTH ON DELAWARE BASIN RD. APPROX. 9 MILES TO SHARP RIGHT TURN; THEN CONTINUE ON DELAWARE BASIN RD. APPROX. 1.5 MILES TO A CALICHE LEASE ROAD ON THE LEFT (NORTH); THEN GO ALONG LEASE ROAD APPROX. 2.0 MILES TO A PROPOSED ROAD ON THE RIGHT (EAST); PROPOSED WELL IS APPROX. 0.3 MILES ALONG PROPOSED ROAD.

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 c.harcrow@harcrowsurveying.com



## 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

1/27/16  
 DATE

## COG OPERATING, LLC

**SMALLS FEDERAL #7H WELL**  
 LOCATED 190 FEET FROM THE SOUTH LINE  
 AND 2010 FEET FROM THE WEST LINE OF SECTION 28,  
 TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,  
 LEA COUNTY, NEW MEXICO

SURVEY DATE: 07/10/2015

PAGE: 1 OF 1

DRAFTING DATE: 07/13/2015

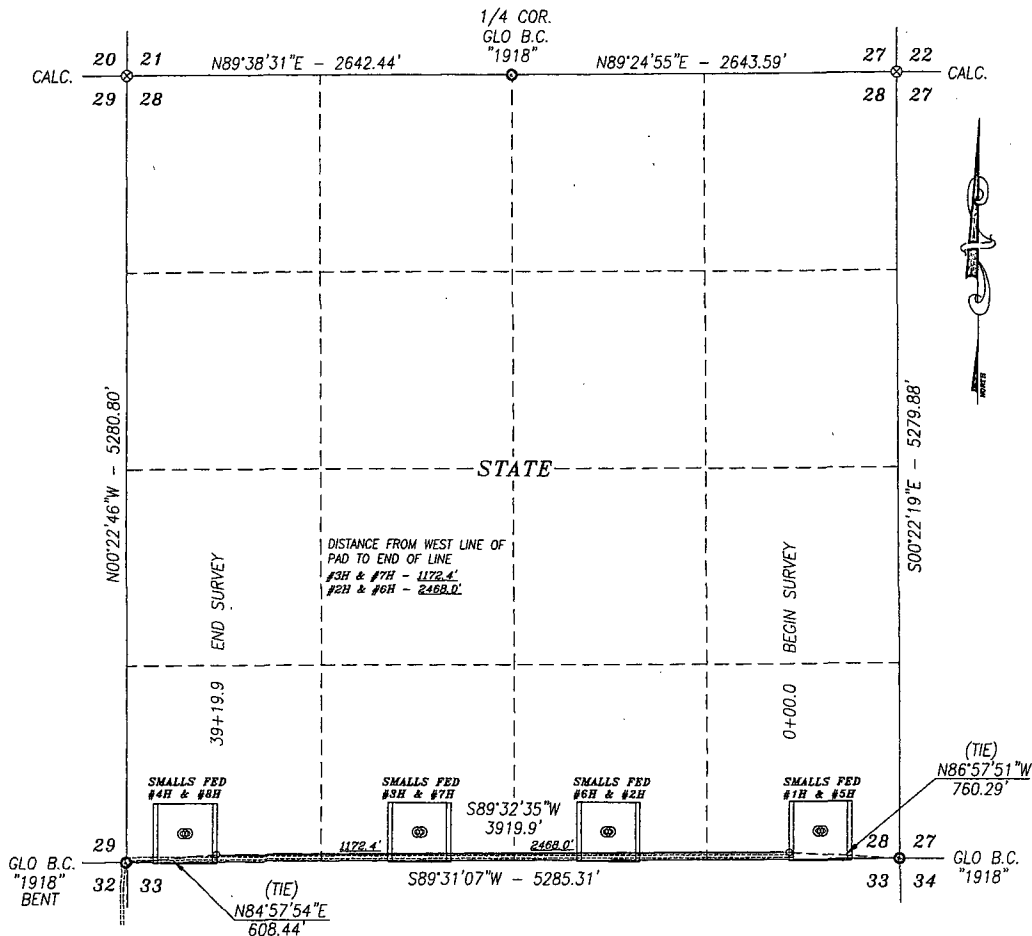
APPROVED BY: CH

DRAWN BY: WN

FILE: 15-845

# **PIPELINE PLAT** **COG OPERATING, LLC.**

2-7/8 POLY FLOWLINE FROM SMALLS FED #1H & #5H TO THE SMALLS FED #4H & #8H IN  
**SECTION 28, 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 28, TOWNSHIP 22 SOUTH, RANGE 34 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 SE/4 SE/4 OF SAID SECTION, WHICH LIES N86°57'51\"W 760.29 FEET FROM SOUTHEAST CORNER THEN S89°32'35\"W 3919.9 FEET TO A POINT IN THE SW/4 SW/4 OF SAID SECTION, WHICH LIES N84°57'54\"E 608.44 FEET FROM THE SOUTHWEST CORNER.

SAID STRIP OF LAND BEING 3919.9 FEET OR 237.57 RODS IN LENGTH, CONTAINING 2.700 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SE/4	34.08 RODS OR 0.387 ACRES	SE/4 SW/4	80.08 RODS OR 0.910 ACRES
SW/4 SE/4	80.08 RODS OR 0.910 ACRES	SW/4 SW/4	43.33 RODS OR 0.493 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.

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## **CERTIFICATION**

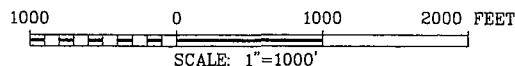
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



*Chad Harcrow*

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

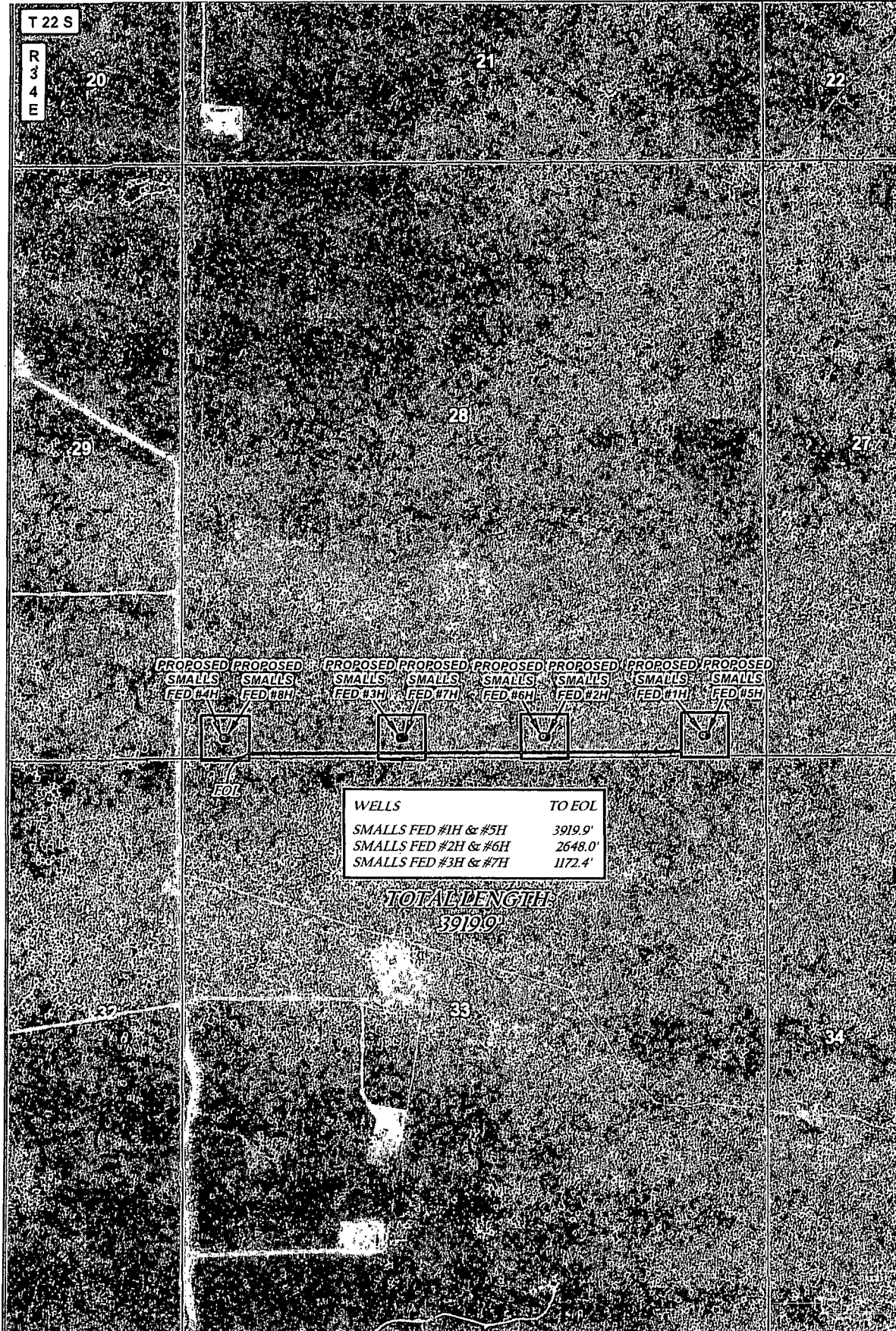
12/18/15  
DATE



## **COG OPERATING, LLC**

SURVEY OF A PROPOSED PIPELINE LOCATED IN  
SECTION 28, TOWNSHIP 22 SOUTH, RANGE 34 EAST,  
LEA COUNTY, NMPM, NEW MEXICO

SURVEY DATE: DECEMBER 15, 2015	
DRAFTING DATE: DECEMBER 16, 2015	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: VD
	FILE: 15-1427



PROPOSED SMALLS FED #1H PROPOSED SMALLS FED #2H PROPOSED SMALLS FED #3H PROPOSED SMALLS FED #4H PROPOSED SMALLS FED #5H  
 PROPOSED SMALLS FED #6H PROPOSED SMALLS FED #7H PROPOSED SMALLS FED #8H PROPOSED SMALLS FED #9H PROPOSED SMALLS FED #10H

WELLS	TO EOL
SMALLS FED #1H & #5H	3919.9'
SMALLS FED #2H & #6H	2648.0'
SMALLS FED #3H & #7H	1172.4'

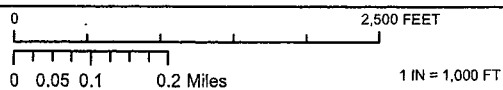
**TOTAL LENGTH:**  
**3919.9'**

**LEGEND**

- WELL
- WELLPAD
- FLOWLINE

**SMALLS FED FLOWLINE SYSTEM**

SECTION: 28 TOWNSHIP: 22 S. RANGE: 34 E.  
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.  
 W.O. # 15-1427 LEASE: SMALLS FED



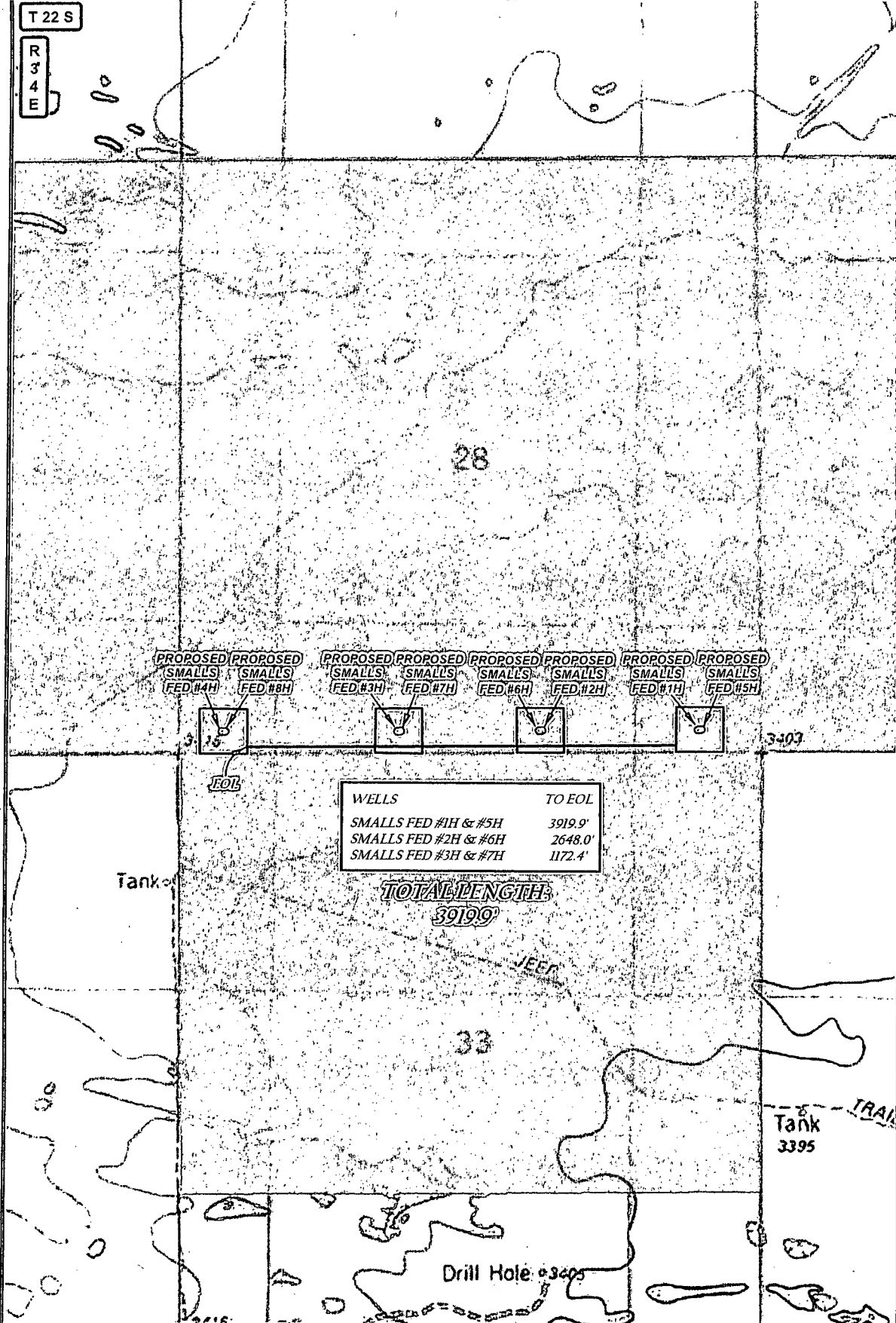
PIPELINE OVERVIEW IMAGERY 12/16/2015 S.P.

**CONCHO**  
 COG OPERATING, LLC

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T 22 S

R  
3  
4  
E



**LEGEND**

- WELL
- WELLPAD
- FLOWLINE
- PRIVATE
- STATE OF NM
- US BLM

**SMALLS FED FLOWLINE SYSTEM**

SECTION: 28      TOWNSHIP: 22 S.      RANGE: 34 E.

STATE: NEW MEXICO      COUNTY: LEA      SURVEY: N.M.P.M

W.O. # 15-1427      LEASE: SMALLS FED

0 0.05 0.1 0.2 Miles

0 2,500 FEET

1 IN = 1,000 FT

PIPELINE OVERVIEW      LAND STATUS      12/16/2015      S.F.

**CONCHO**

COG OPERATING, LLC

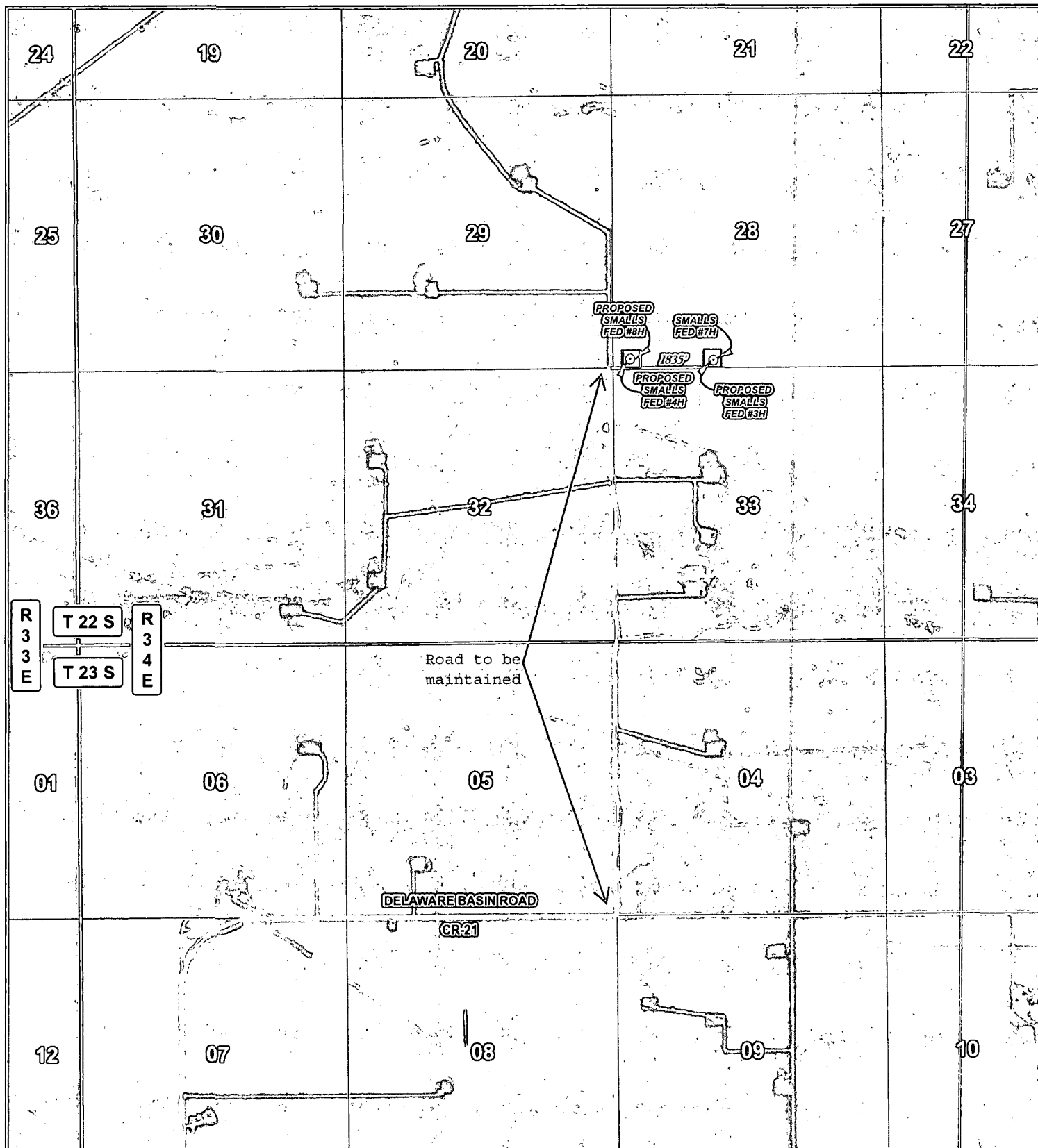
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charcrow@harcrowsurveying.com



# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

## SMALLS FEDERAL #7H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3410.3'  
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 2010' FEL  
 W.O. # 14-1293 LEASE: SMALLS FED 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

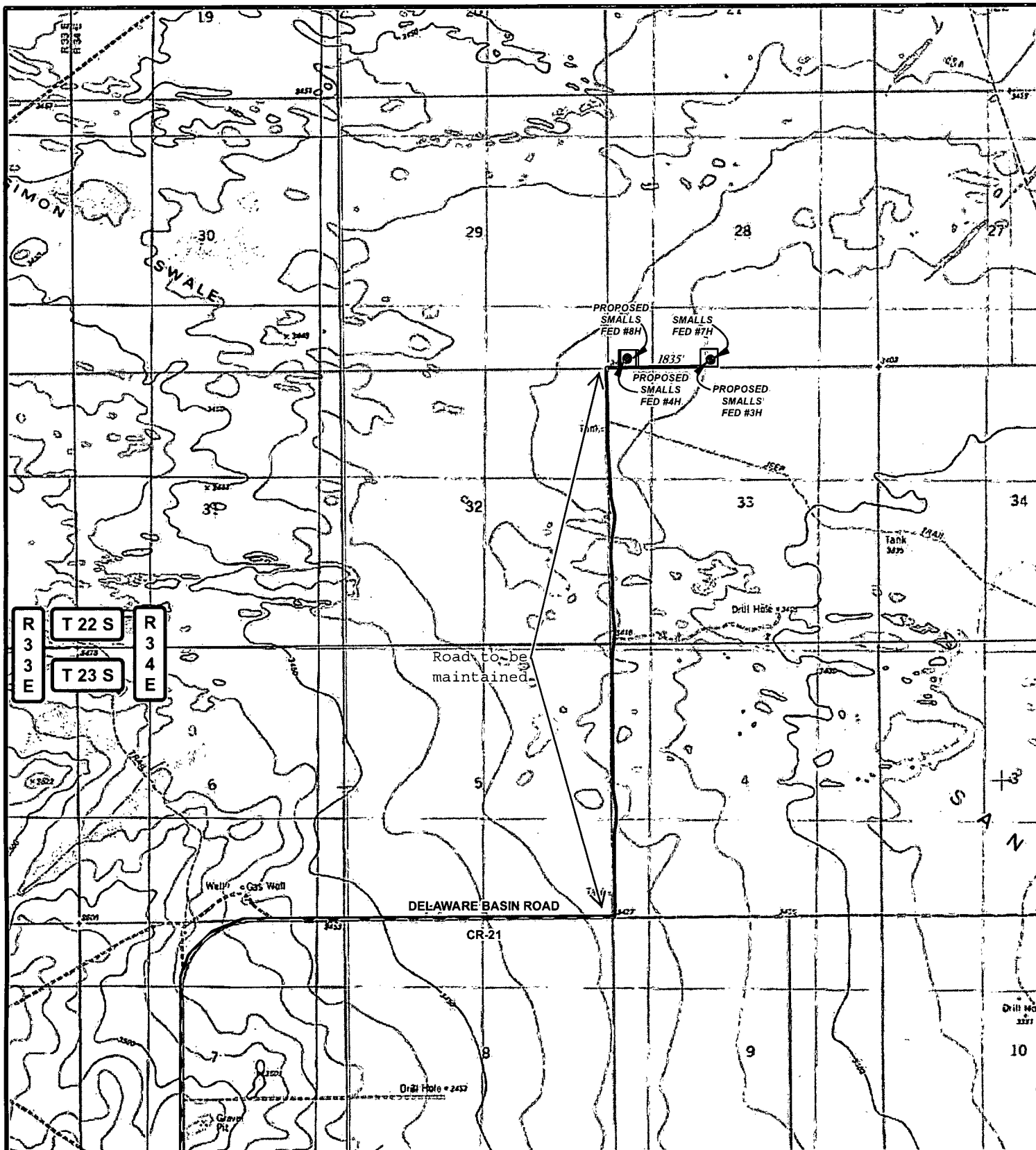
01/29/2015

A.F

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# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

## SMALLS FEDERAL #7H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3410.3'  
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 2010' FEL  
 W.O. # 14-1293 LEASE: SMALLS FED 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

01/29/2015

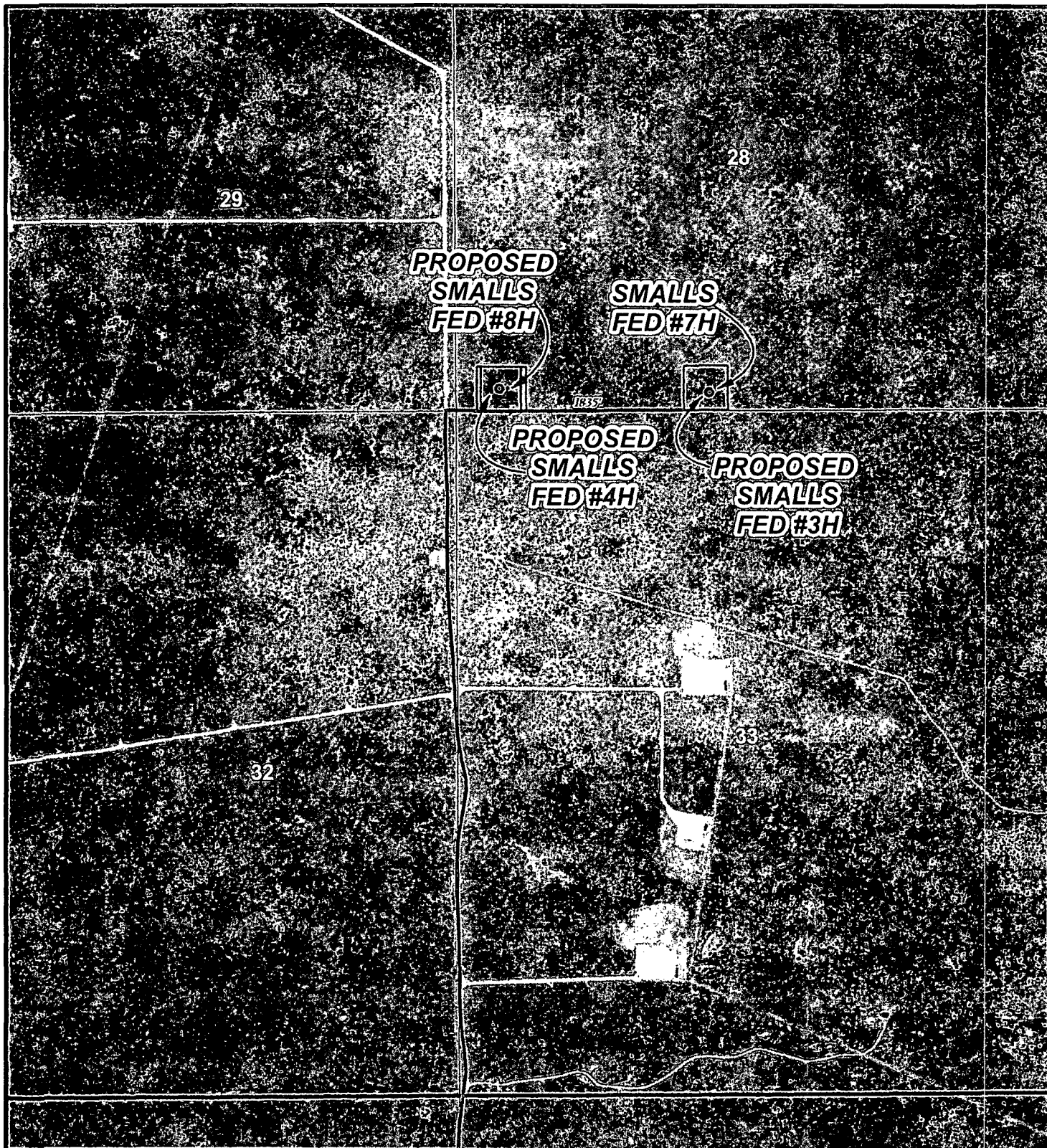
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# LEGEND

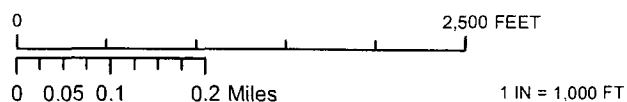
- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

## SMALLS FEDERAL #7H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3410.3'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 2010' FEL

W.O. # 14-1293 LEASE: SMALLS FED SURVEY: N.M.P.M



LOCATION MAP IMAGERY ROAD 01/29/2015 A.F

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29

## EXHIBIT 2

28

PROPOSED  
SMALLS  
FED #8H

SMALLS  
FED #7H

PROPOSED  
SMALLS  
FED #4H

PROPOSED  
SMALLS  
FED #3H

Tanks

JEEP

32

33

Drill Hole 3405

3416

## LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

## SMALLS FEDERAL #7H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3410.3'  
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 2010' FEL  
 W.O. # 14-1293 LEASE: SMALLS FED SURVEY: N.M.P.M

0 2,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 1,000 FT

LOCATION MAP

TOPO ROAD

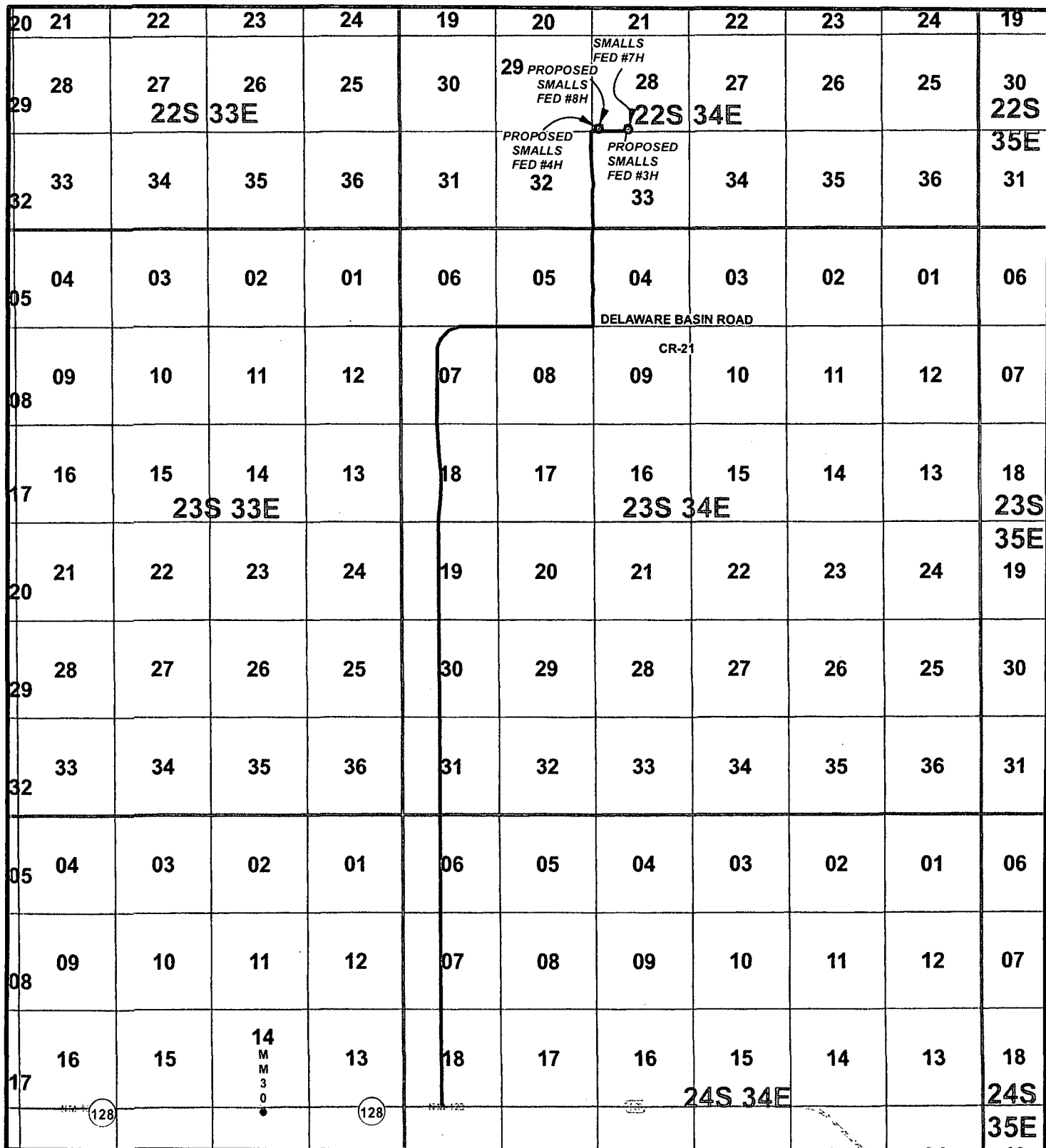
01/29/2015

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# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

## SMALLS FEDERAL #7H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3410.3'  
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 1980' FEL  
 W.O. # 14-1293 LEASE: SMALLS FED 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

01/29/2015

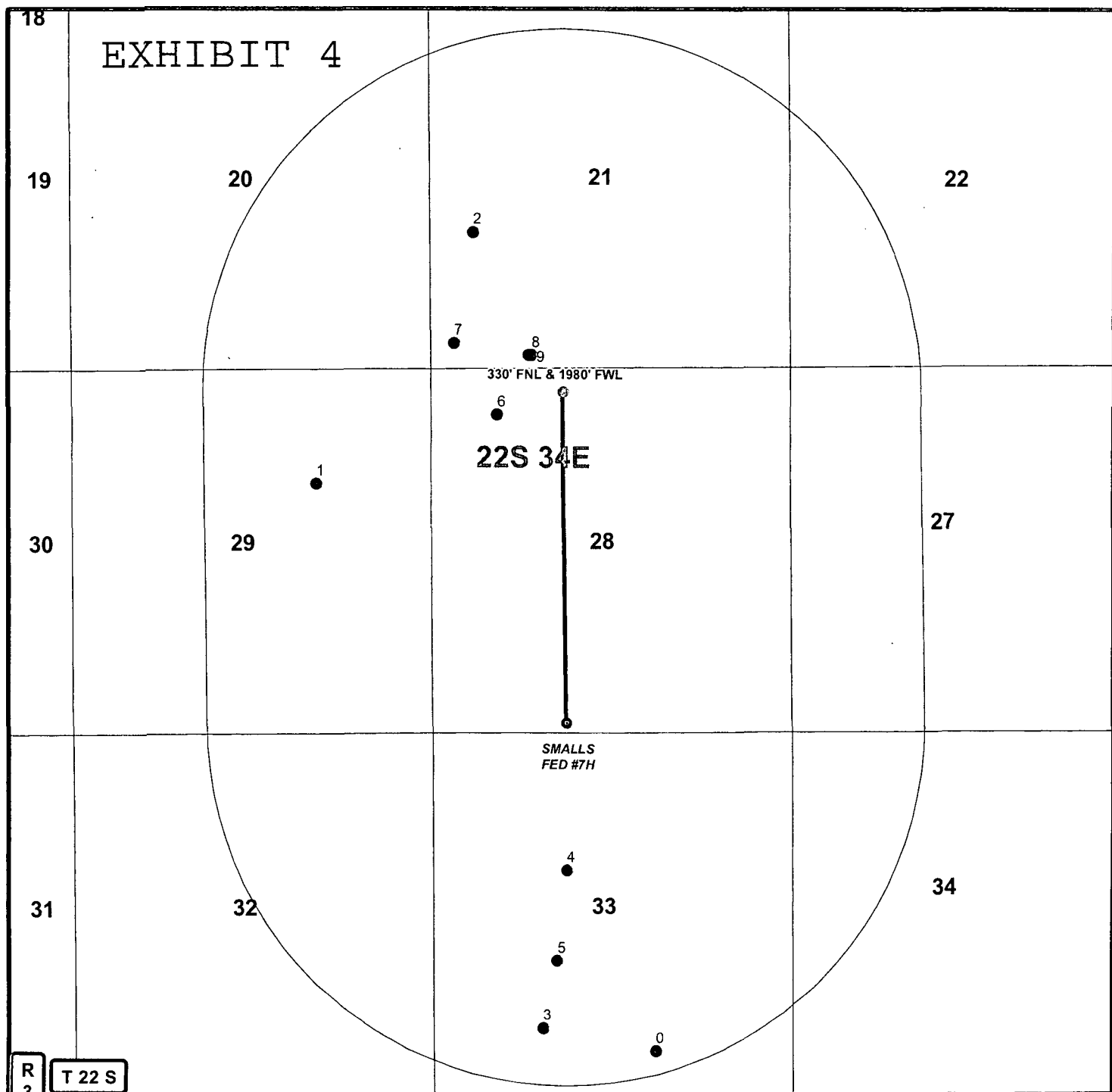
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# EXHIBIT 4



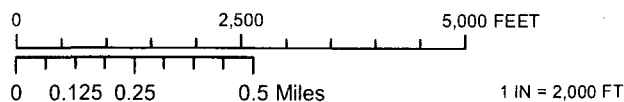
DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JANUARY 12, 2015.

## LEGEND

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

## SMALLS FEDERAL #7H

SEC: 28	TWP: 22 S.	RGE: 34 E.	ELEVATION: 3410.4'
STATE: NEW MEXICO	COUNTY: LEA	190' FSL & 2010' FEL	
W.O. # 14-1293	LEASE: SMALLS FED	SURVEY: N.M.P.M	



1 MILE MAP

01/28/2015

A.F

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