

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) 334-6178 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

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- 43066	Pool Code 97922	Pool Name WC-025 G-06 S223421L; Bone Spring
Property Code 315744	Property Name SMALLS FEDERAL	Well Number 4H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3416.5

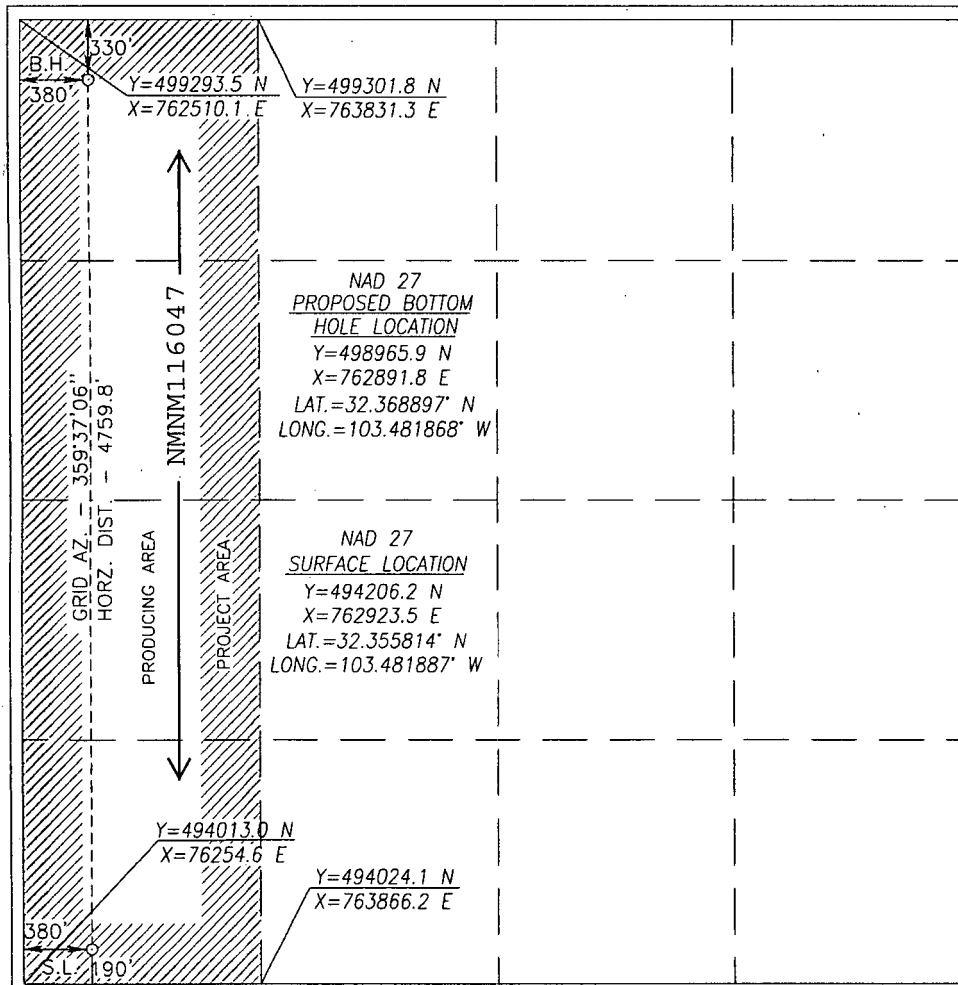
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	28	22-S	34-E		190'	SOUTH	380'	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	28	22-S	34-E		330'	NORTH	380'	WEST	LEA
Dedicated Acres 160	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



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 Date

Melanie J Wilson

Printed Name

mwilson@concho.com

E-mail Address

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.

JANUARY 09, 2015

Date of Survey

Signature & Seal of Professional Surveyor



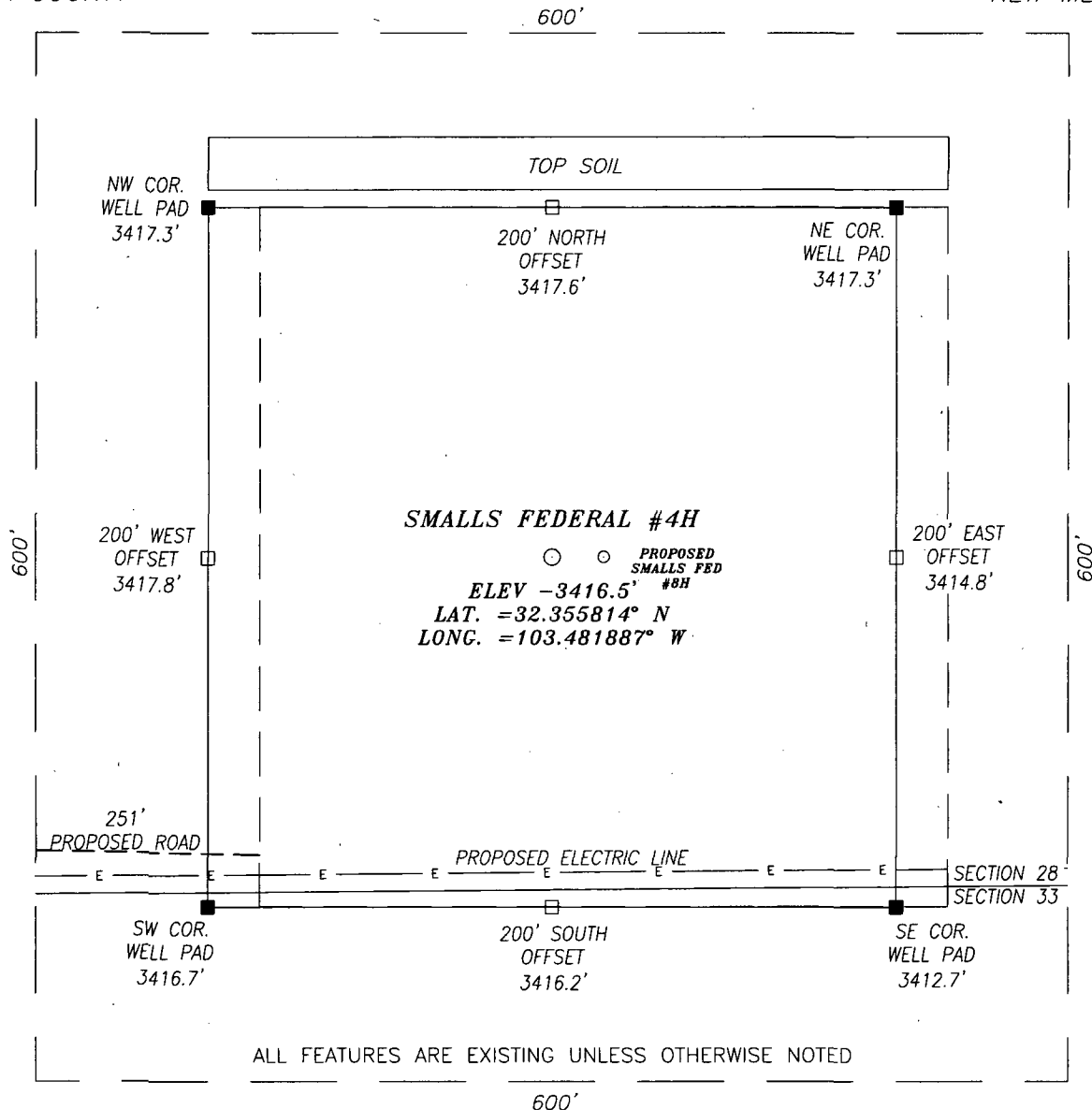
Certificate No. CHAD HARCROW 17777
W.O. #14-1294 DRAWN BY: AF

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. 0.1 MILES ALONG PROPOSED ROAD.

CERTIFICATION

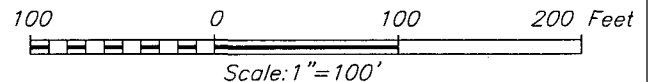
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



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

1/27/16
DATE

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

SMALLS FEDERAL #4H WELL
LOCATED 190 FEET FROM THE SOUTH LINE
AND 380 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: 07/14/2015

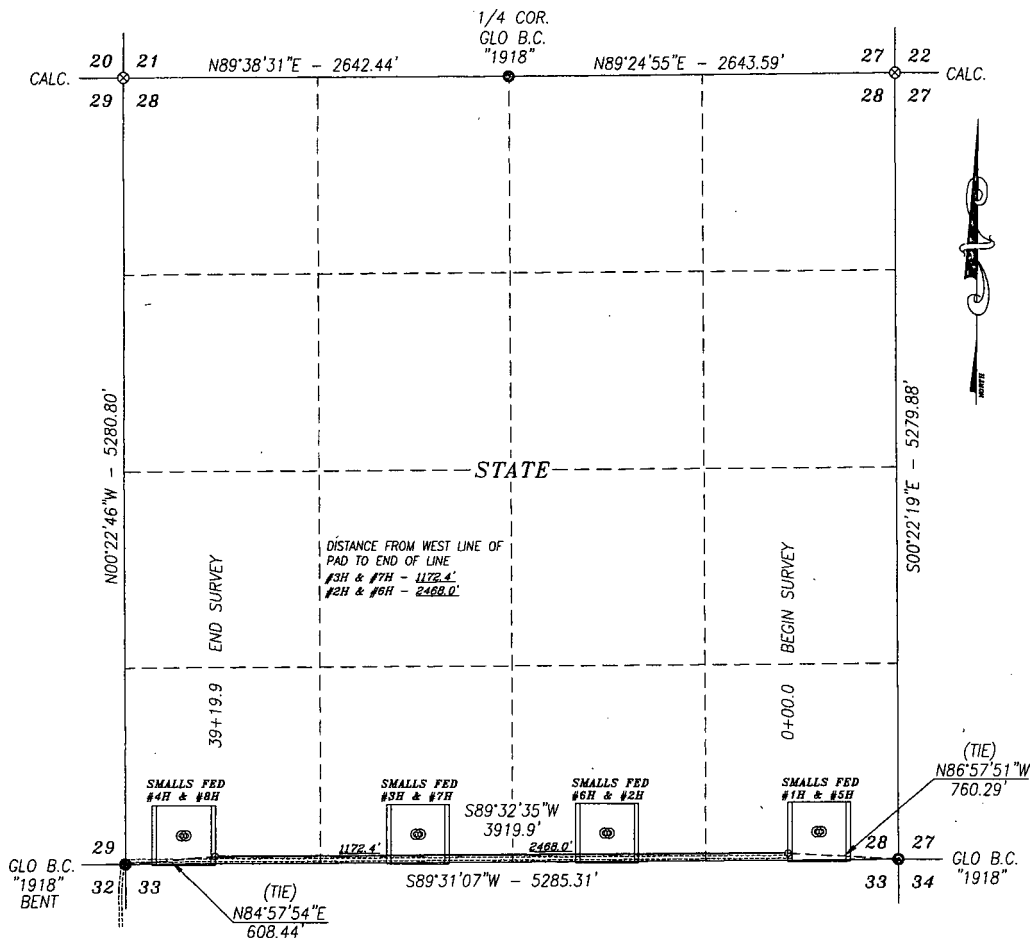
APPROVED BY: CH

DRAWN BY: WN

FILE: 15-846

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"W 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
SW/4 SE/4 80.08 RODS OR 0.910 ACRES

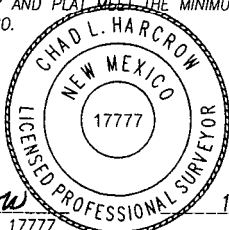
SE/4 SW/4 80.08 RODS OR 0.910 ACRES
SW/4 SW/4 43.33 RODS OR 0.493 ACRES

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.

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

HARCROW SURVEYING, LLC

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

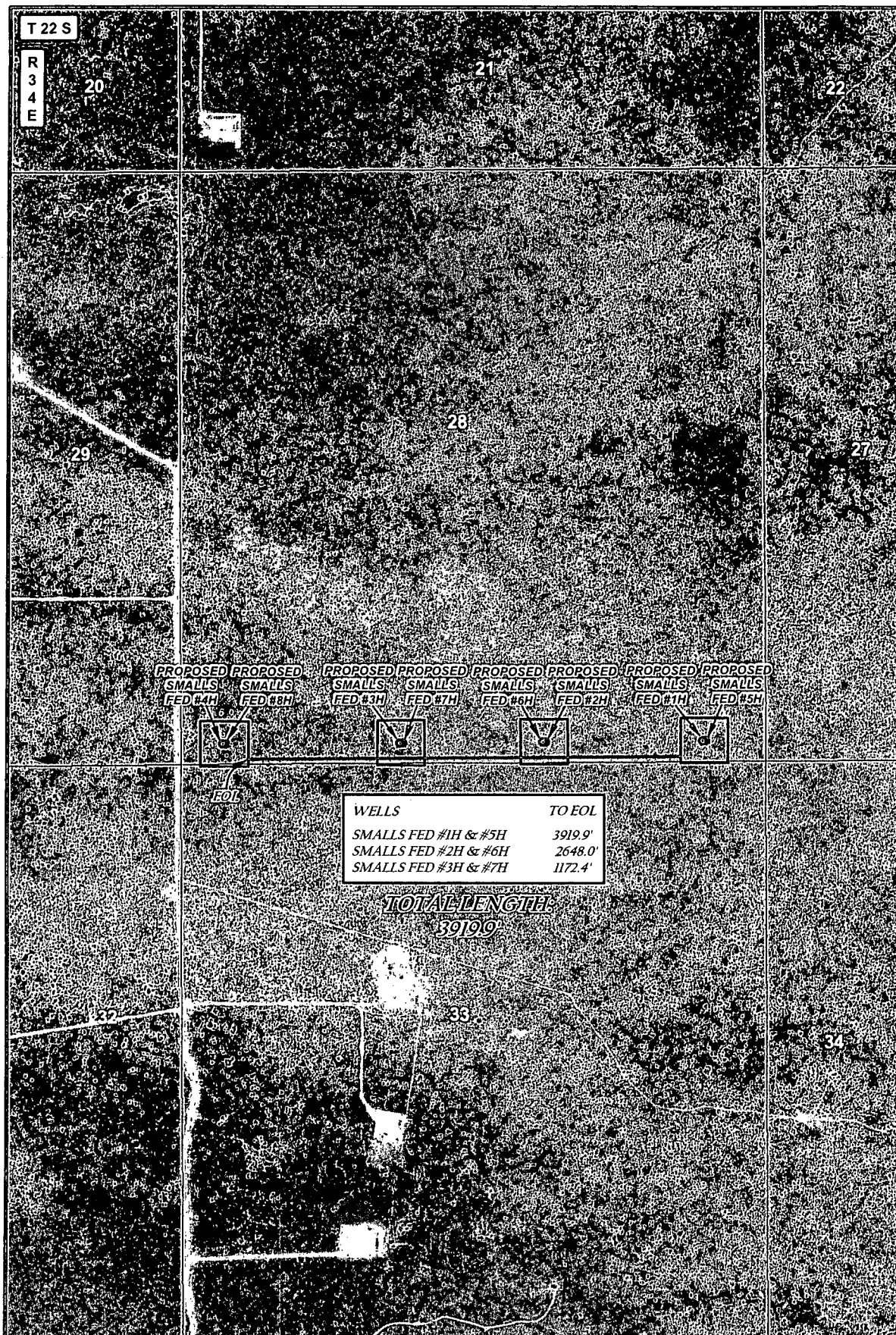


1000 0 1000 2000 FEET
SCALE: 1"=1000'

COG OPERATING, LLC

SURVEY OF A PROPOSED PIPELINE LOCATED IN
SECTION 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



<p>LEGEND</p> <p>● WELL</p> <p>□ WELLPAD</p> <p>— FLOWLINE</p>	<p align="center">SMALLS FED FLOWLINE SYSTEM</p>		<p align="center">CONCHO</p> <p align="center">COG OPERATING, LLC</p>
	<p>SECTION: 28 TOWNSHIP: 22 S. RANGE: 34 E.</p>		
	<p>STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M</p>		
<p>W.O. # 15-1427 LEASE: SMALLS FED</p>	<p>0 2,500 FEET</p> <p>0 0.05 0.1 0.2 Miles 1 IN = 1,000 FT</p>		<p align="center">HARCROW SURVEYING, LLC.</p> <p>2314 W. MAIN ST, ARTESIA, NM 88210 PH: (575) 746-2158 FAX: (575) 746-2158 c.harcrow@harcrowsurveying.com</p>
<p>PIPELINE OVERVIEW IMAGERY 12/16/2015 S.I.P.</p>			

T 22 S

R
3
4
E

28

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

3403

3403

EOL

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'

Tank

JEEP

33

Tank

3395

TRAIL

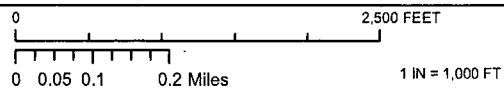
Drill Hole 3405

LEGEND

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

SMALLS FED FLOWLINE SYSTEM

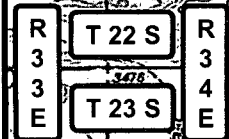
SECTION: 28 TOWNSHIP: 22 S. RANGE: 34 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
 W.O. # 15-1427 LEASE: SMALLS FED



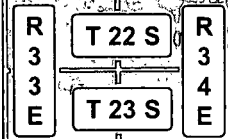
PIPELINE OVERVIEW LAND STATUS 12/16/2015 S.F.





CONCHO
 COG OPERATING, LLC

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 c.harcrow@harcrowsurveying.com



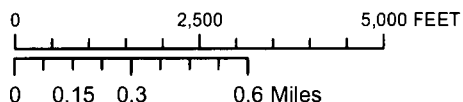
c.harcrow@harcrowsurveying.com



-  WELL
 WELLPAD
 EXISTING ROAD
 PROPOSED ROAD

SMALLS FEDERAL #4H

SEC: 28	TWP: 22 S.	RGE: 34 E.	ELEVATION: 3410.3'
STATE: NEW MEXICO		COUNTY: LEA	190' FSL & 380' FWL
W.O. # 14-1294	LEASE: SMALLS FED		SURVEY: N.M.P.M



LOCATION MAP

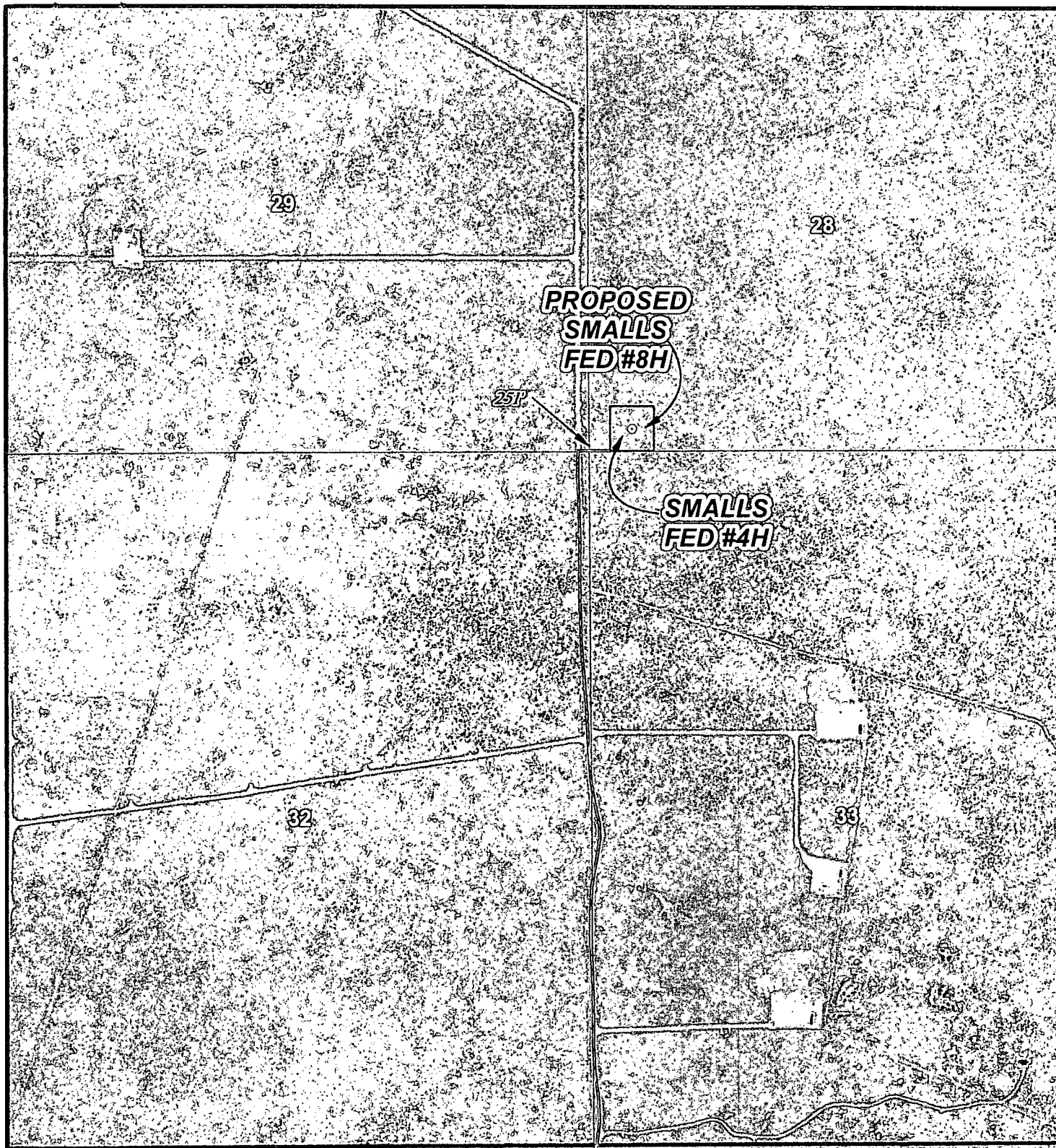
IMAGERY

01/29/2015

A.F



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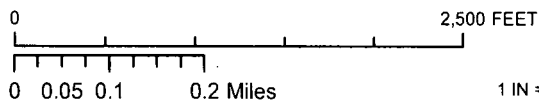


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SMALLS FEDERAL #4H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3410.3'
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 380' FWL
 W.O. # 14-1294 LEASE: SMALLS FED SURVEY: N.M.P.M

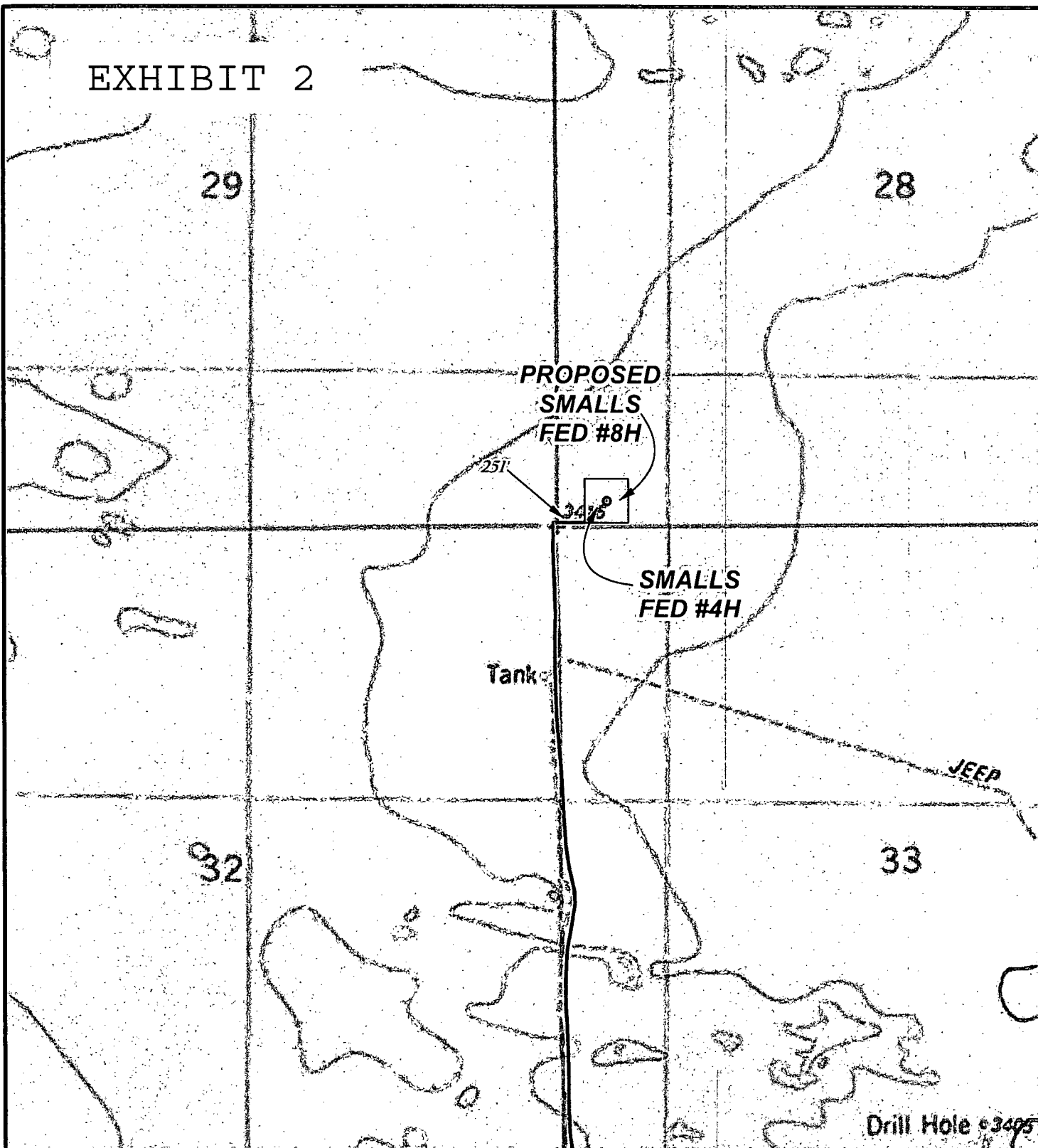


LOCATION MAP IMAGERY ROAD 01/29/2015 A.P

CONCHO
 COG OPERATING, LLC

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

EXHIBIT 2



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

SMALLS FEDERAL #4H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3410.3'
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 380' FWL
 W.O. # 14-1294 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

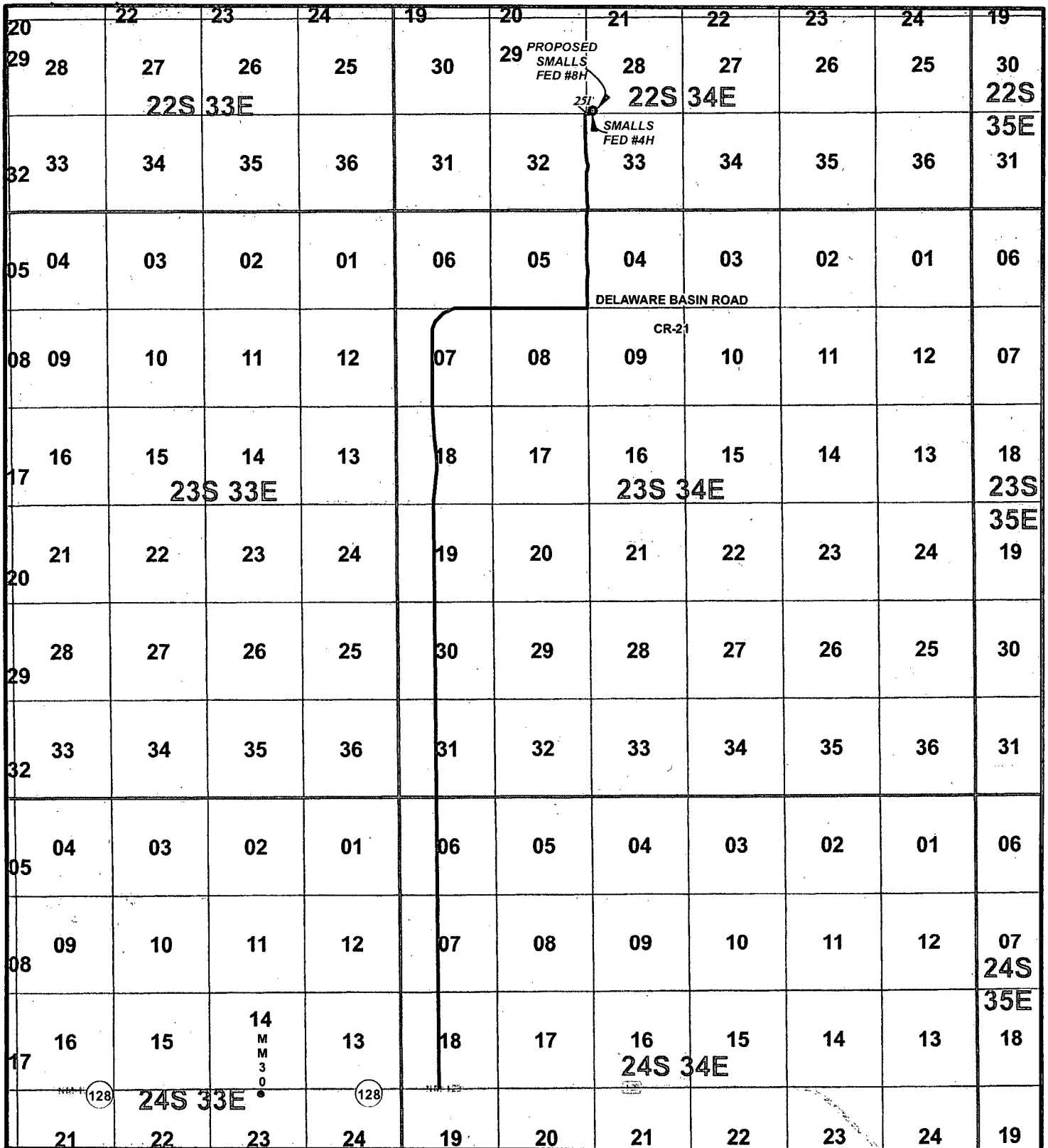
TOPO ROAD

01/29/2015

A.F

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LEGEND

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

SMALLS FEDERAL #4H

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

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 380' FWL

W.O. # 14-1294 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

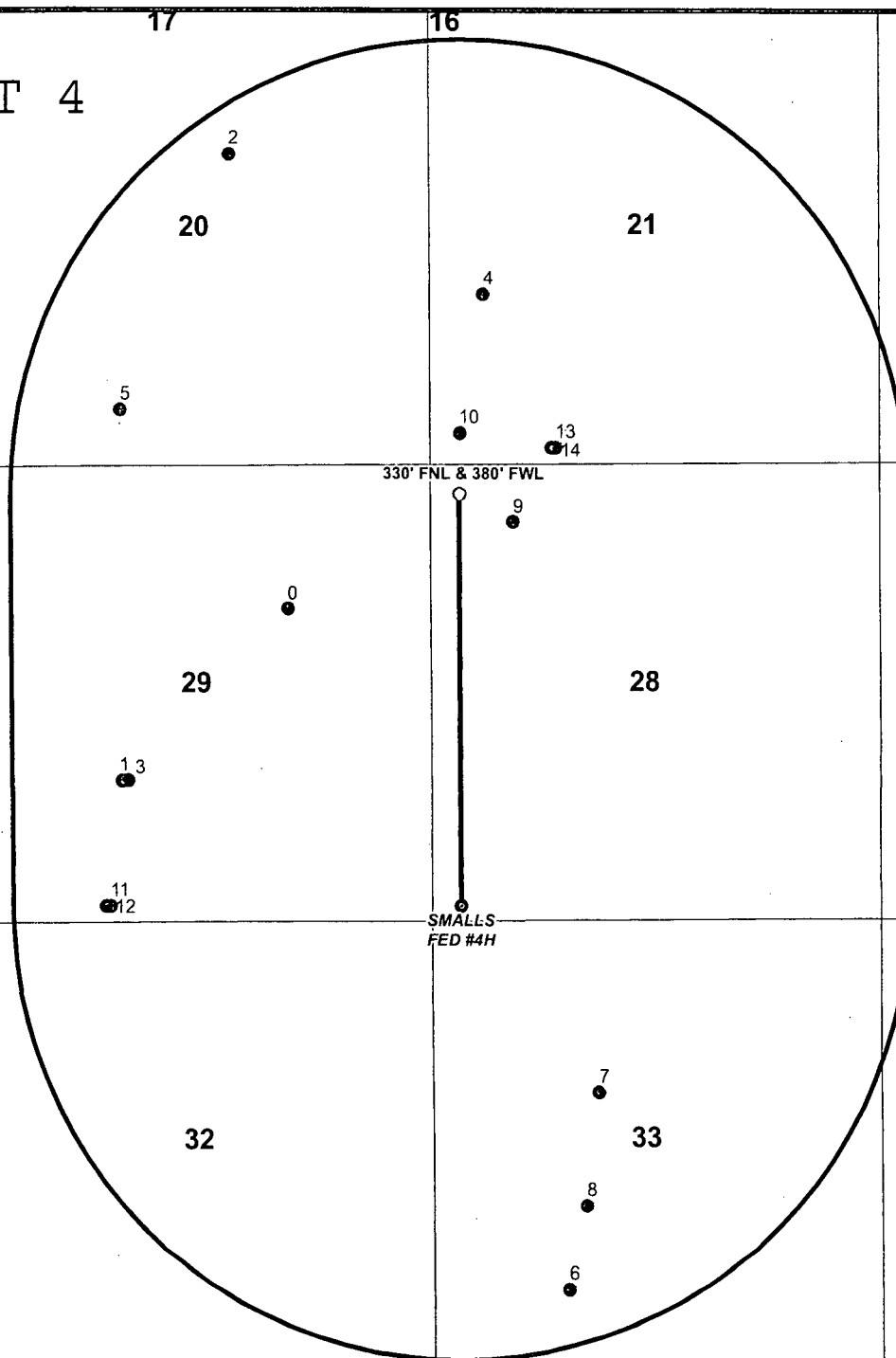
01/29/2015

A.F.

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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

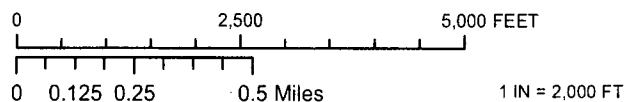
- WELL
- ◉ BOTTOMHOLE
- WELLS WITHIN 1 MI.
- 1 MI. BUFFER

SMALLS FEDERAL #4H

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

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 380' FWL

W.O. # 14-1294 LEASE: SMALLS FED SURVEY: N.M.P.M



1 MILE MAP TOPO 01/29/2015 A.F

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