

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
611 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) 476-3462

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

DEC 27 2016

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                    |                                      |                                                |
|------------------------------------|--------------------------------------|------------------------------------------------|
| API Number<br>30-025- <b>43517</b> | Pool Code<br>97899                   | Pool Name<br>WC-025 G-06 S253206M; Bone Spring |
| Property Code<br><b>40143</b>      | Property Name<br>WINDWARD FEDERAL    | Well Number<br>8H                              |
| OGRID No.<br>217955                | Operator Name<br>COG PRODUCTION, LLC | Elevation<br>3538.9'                           |

Surface Location

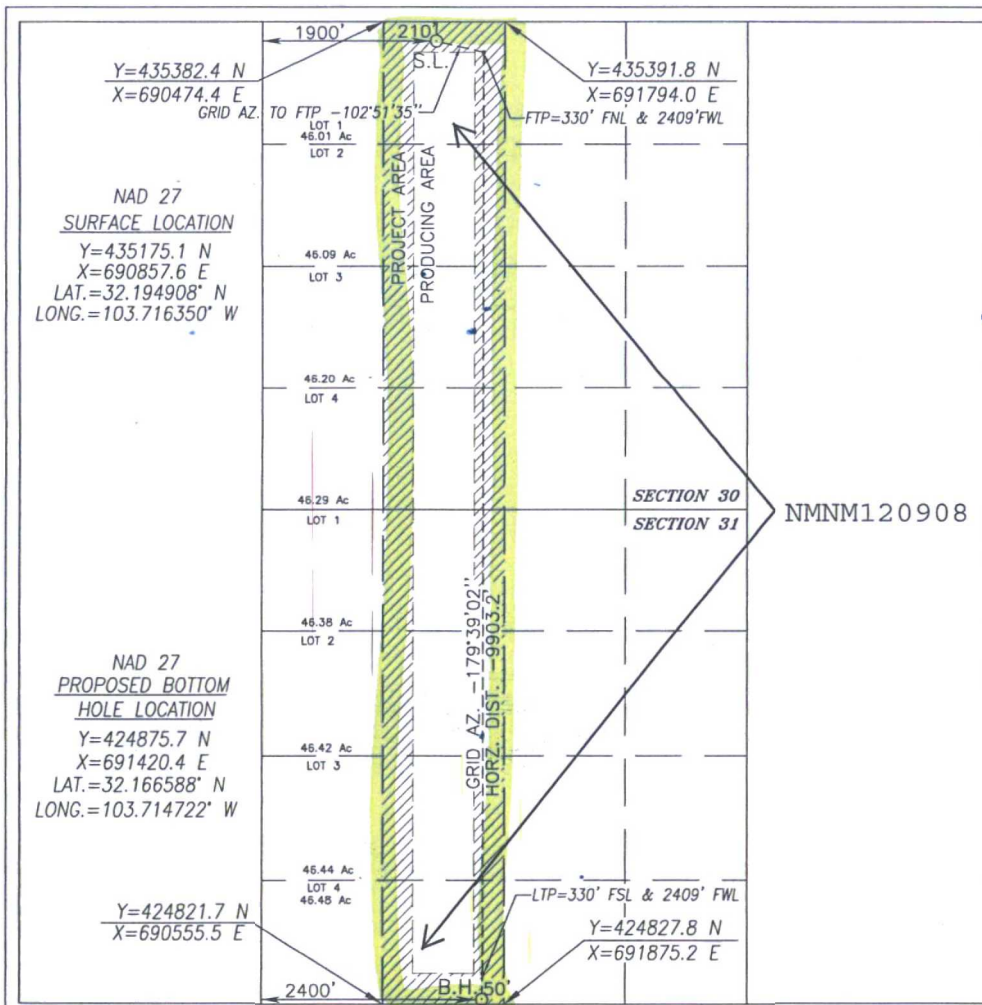
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| C             | 30      | 24-S     | 32-E  |         | 210           | NORTH            | 1900          | 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             | 31      | 24-S     | 32-E  |         | 50            | SOUTH            | 2400          | 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



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 to the division.

*Melanie J Wilson* 5/5/2016  
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.

DECEMBER 4, 2015

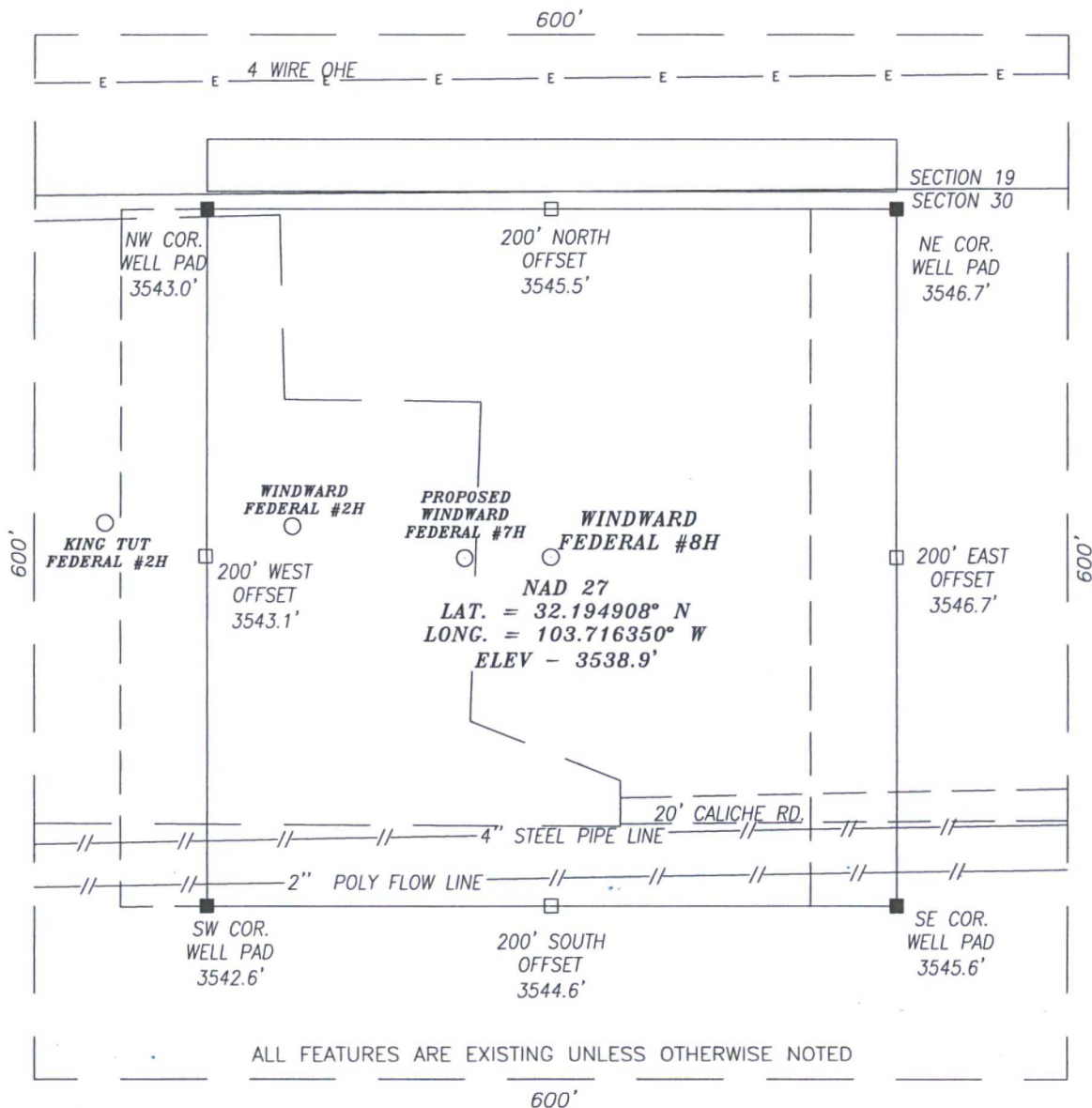
Date of Survey

Signature & Seal of Professional Surveyor



*Chad Harcrow* 4/25/16  
Certificate No. CHAD HARCROW 17777  
W.O. # 16-183 DRAWN BY: AM

SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF BUCK JACKSON RD. (CR-786) AND HWY 128 GO SOUTHWEST ON BUCK JACKSON RD. FOR APPROX. 0.4 MILES; THEN TURN LEFT (SOUTH) AND GO APPROX. 2.4 MILES; THEN TURN LEFT (EAST) AND GO APPROX. 0.3 MILES TO THE EXISTING KING TUT FED. #2H AND WINDWARD FED. #2H WELL PAD. PROPOSED WELL IS APPROX. 100 FEET EASTSOUTHEAST OF THE WINDWARD FED. #2H.

CERTIFICATION

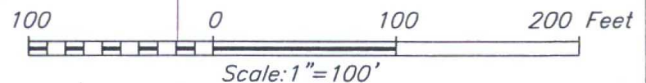
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



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

5/2/16  
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 PRODUCTION, LLC

WINDWARD FEDERAL #8H WELL  
LOCATED 210 FEET FROM THE NORTH LINE  
AND 1900 FEET FROM THE WEST LINE OF SECTION 30,  
TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO

SURVEY DATE: APRIL 5, 2016

PAGE: 1 OF 1

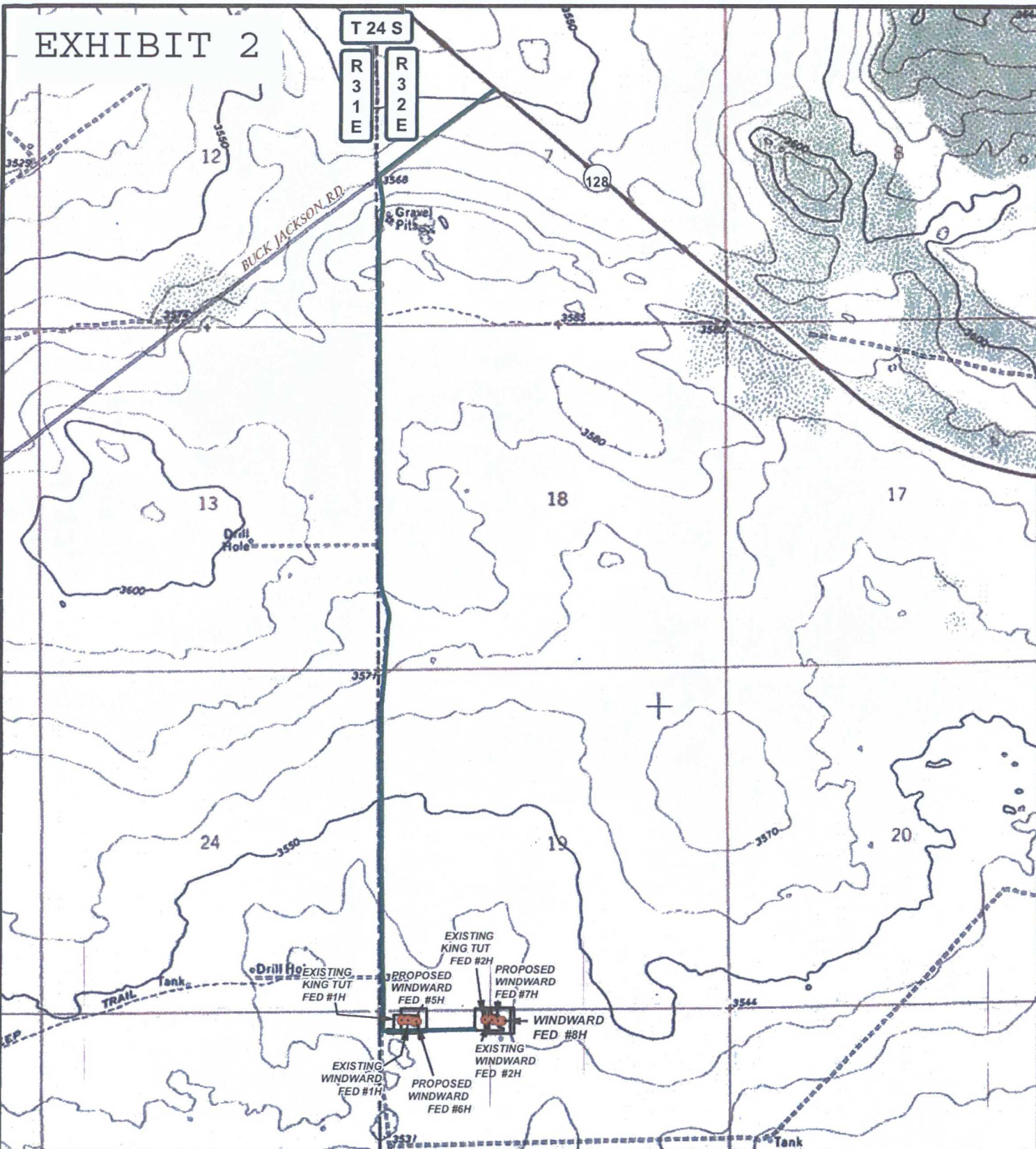
DRAFTING DATE: APRIL 11, 2016

APPROVED BY: CH

DRAWN BY: AF

FILE: 16-183

# EXHIBIT 2



## LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

## WINDWARD FEDERAL #8H

SEC: 30 TWP: 24 S. RGE: 32 E. ELEVATION: 3538.9'  
 STATE: NEW MEXICO COUNTY: LEA 210' FNL & 1900' FWL  
 W.O. # 16-183 LEASE: WINDWARD FED SURVEY: N.M.P.M



LOCATION MAP

TOPO

04/12/2016

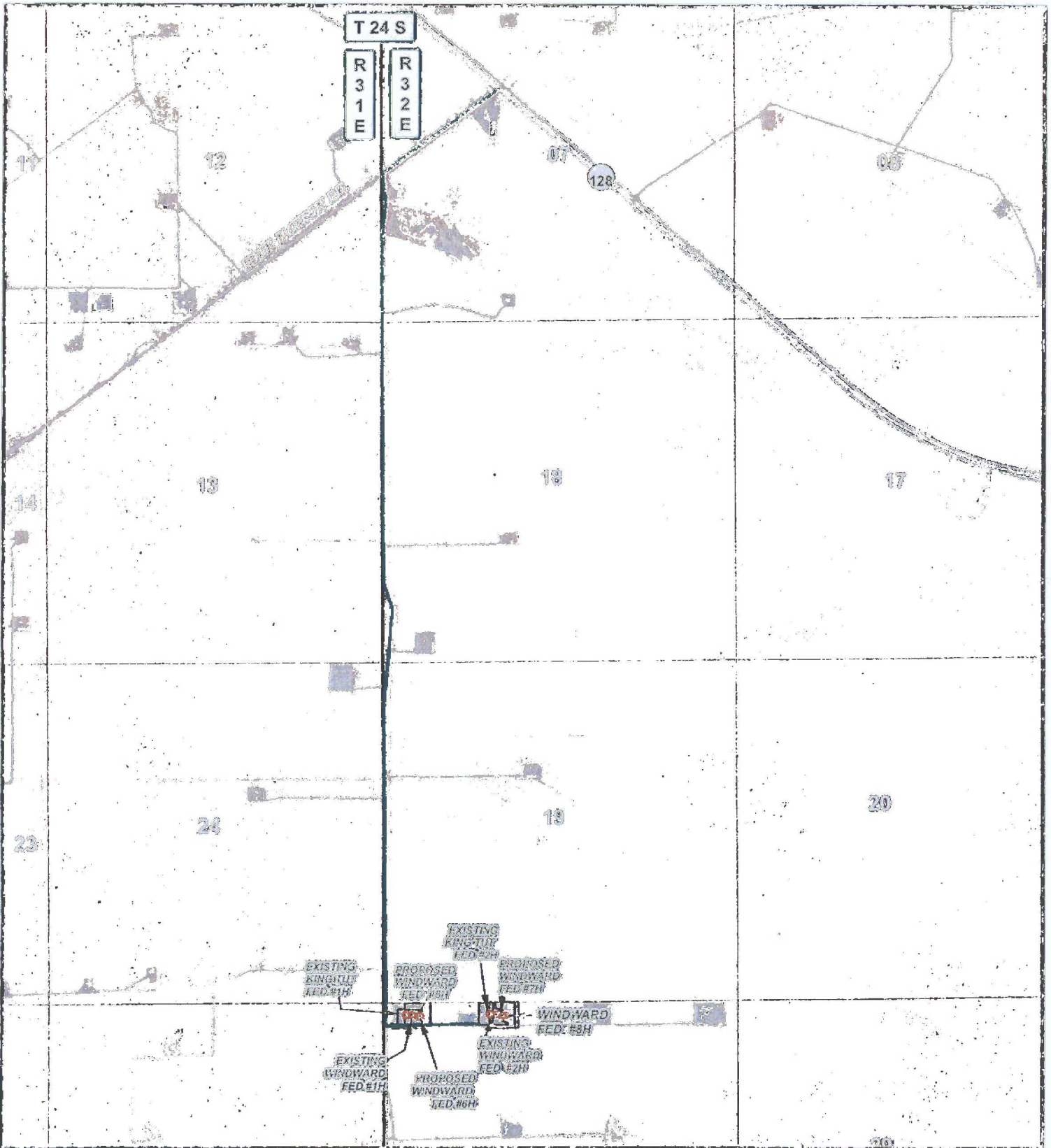
A.F.

**CONCHO**

COG PRODUCTION, LLC



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



# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

## WINDWARD FEDERAL #8H

SEC: 30 TWP: 24 S. RGE: 32 E. ELEVATION: 3538.9'  
 STATE: NEW MEXICO COUNTY: LEA 210' FNL & 1900' FWL  
 W.O. # 16-183 LEASE: WINDWARD FED SURVEY: N.M.P.M



LOCATION MAP

IMAGERY

04/12/2016

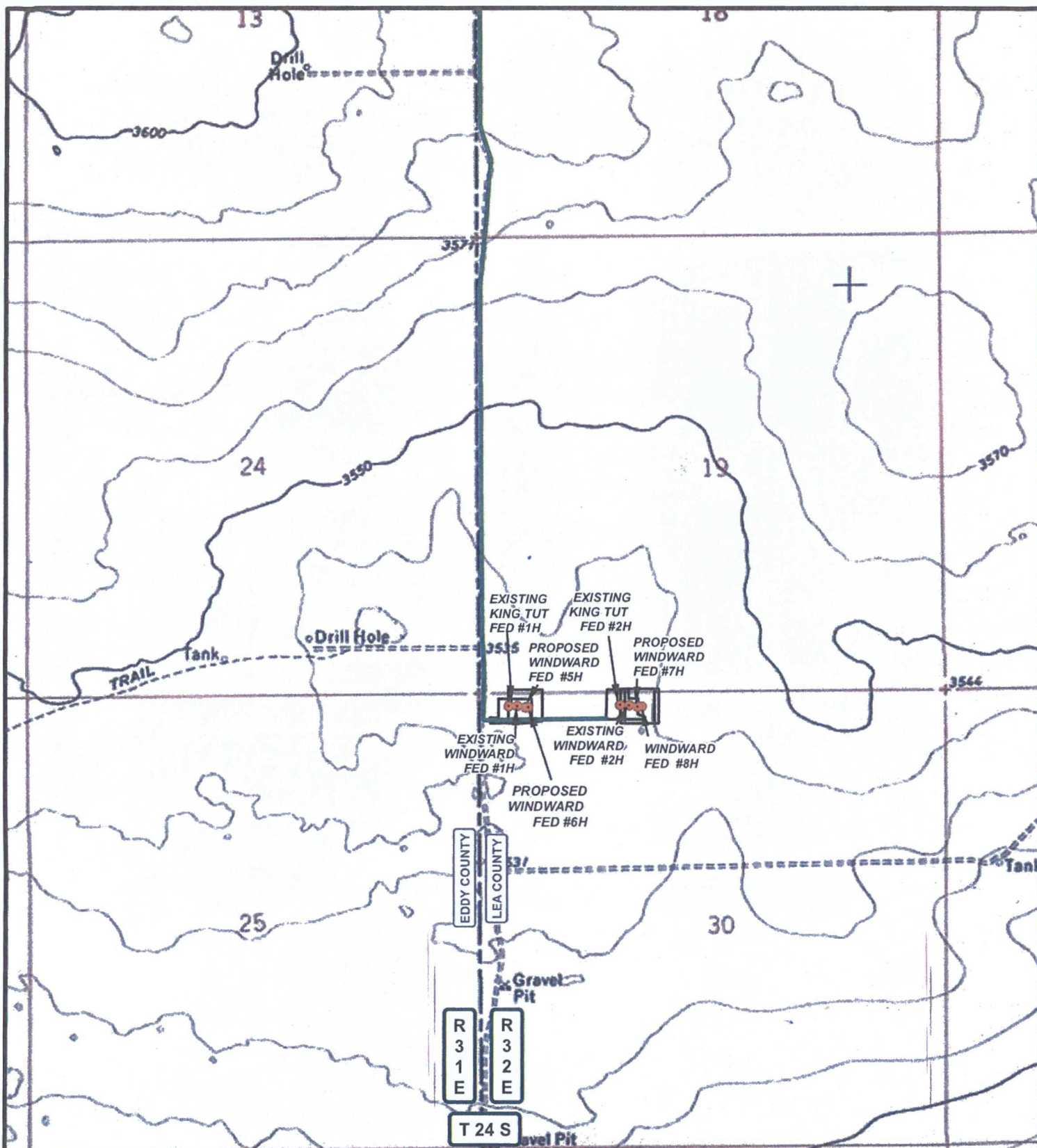
A.F.

**CONCHO**

COG PRODUCTION, LLC



HARCROW SURVEYING, LLC.  
 2314 W. MAIN ST. ARTESIA, NM 88210  
 PH: (575) 745-2155 FAX: (575) 745-2150  
 c.harcrow@harcrowsurveying.com



# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

## WINDWARD FEDERAL #8H

SEC: 30 TWP: 24 S. RGE: 32 E. ELEVATION: 3538.9'

STATE: NEW MEXICO COUNTY: LEA 210' FNL & 1900' FWL

W.O. # 16-183 LEASE: WINDWARD FED SURVEY: N.M.P.M

0 2,500 FEET

0 0.1 0.2 0.4 Miles

1 IN = 1,500 FT

LOCATION MAP

TOPO ROAD

04/12/2016

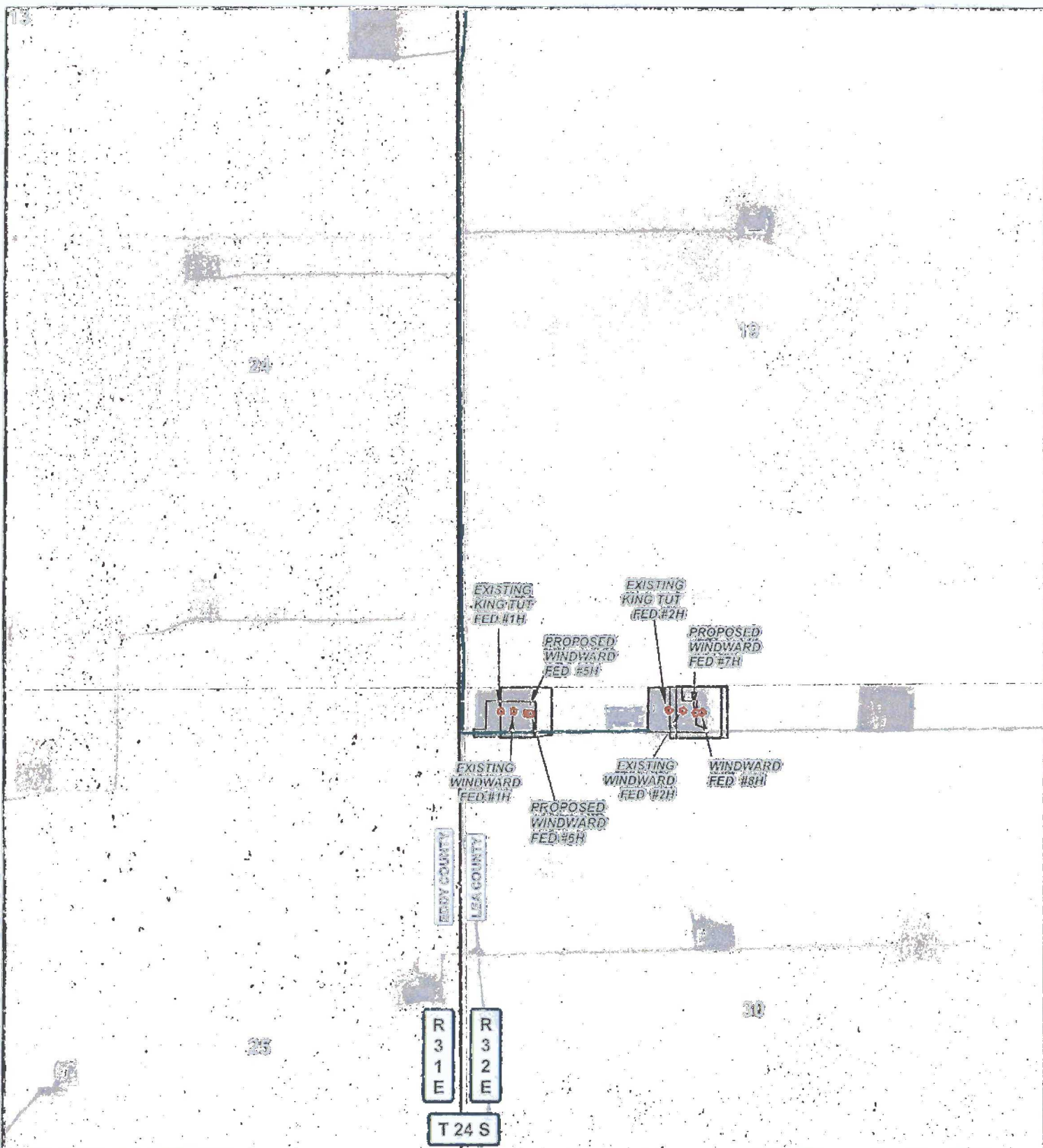
A.F.

**CONCHO**

COG PRODUCTION, LLC



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c.harcrow@harcrowsurveying.com



# LEGEND

WELL



WELLPAD

EXISTING ROAD

## WINDWARD FEDERAL #8H

SEC: 30 TWP: 24 S. RGE: 32 E. ELEVATION: 3538.9'

STATE: NEW MEXICO COUNTY: LEA 210' FNL & 1900' FWL

W.O. # 16-183 LEASE: WINDWARD FED SURVEY: N.M.P.M



LOCATION MAP

IMAGERY ROAD

04/12/2016

A.F.



COG PRODUCTION, LLC

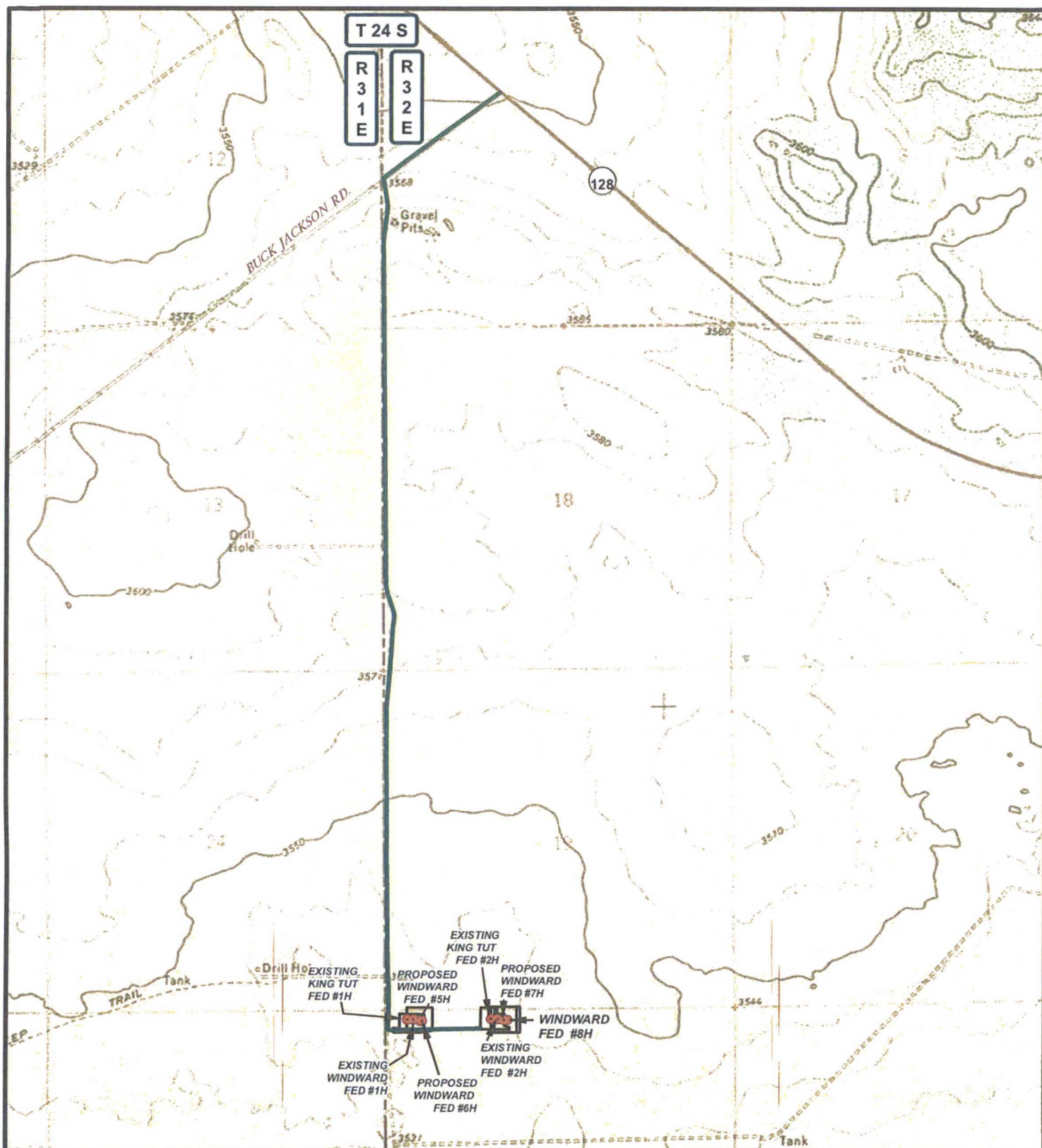


HARCROW SURVEYING, LLC

2314 W. MAIN ST., ANTESA, NM 86828

PH: (575) 746-2158 FAX: (575) 746-2158

charcrow@harcrowsurveying.com



# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- US BLM

## WINDWARD FEDERAL #8H

SEC: 30 TWP: 24 S. RGE: 32 E. ELEVATION: 3538.9'

STATE: NEW MEXICO COUNTY: LEA 210' FNL & 1900' FWL

W.O. # 16-183 LEASE: WINDWARD FED SURVEY: N.M.P.M



LOCATION MAP

LAND STATUS

04/12/2016

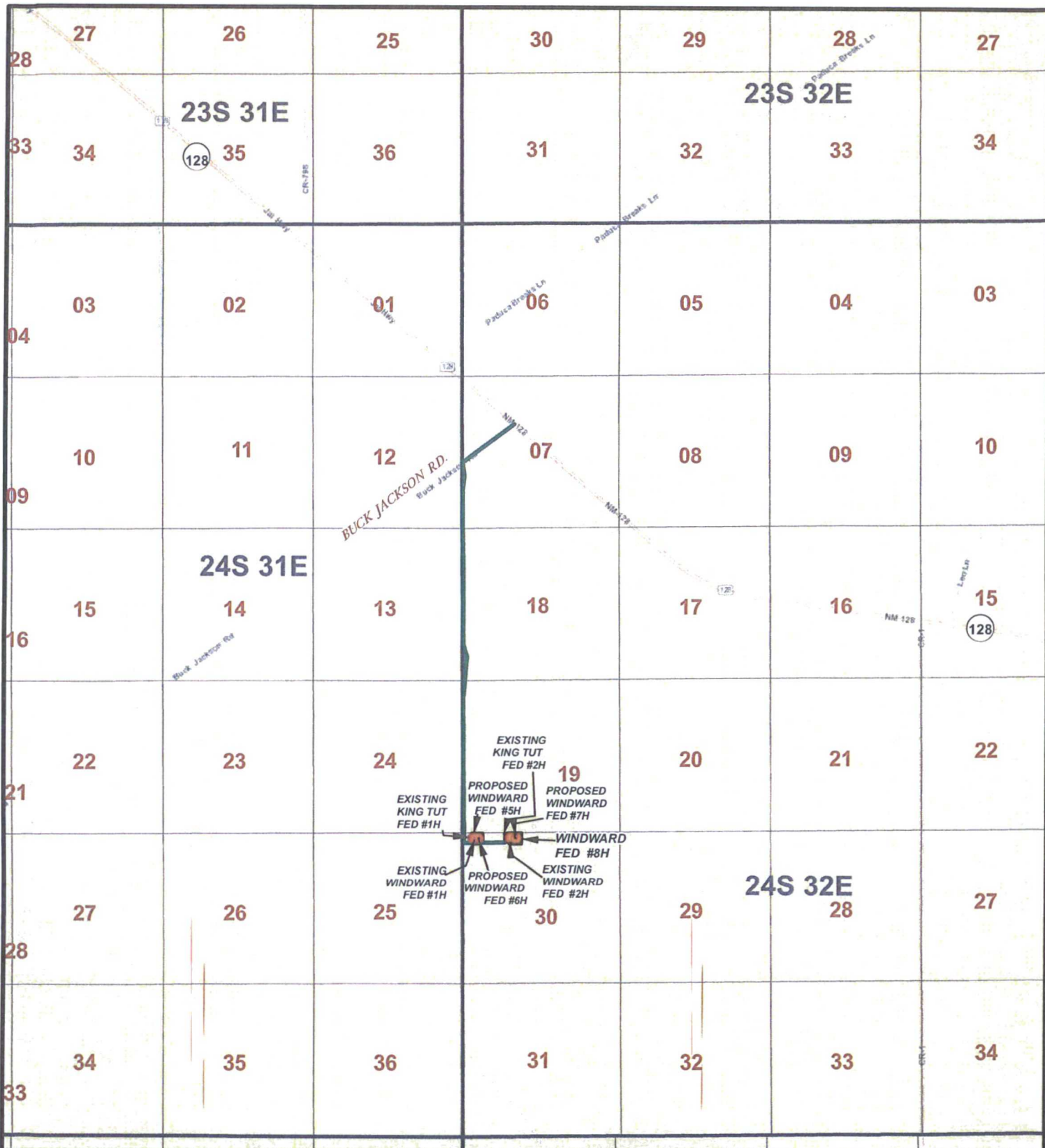
A.F.



COG PRODUCTION, LLC



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c.harcrow@harcrowsurveying.com



# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

## WINDWARD FEDERAL #8H

SEC: 30 TWP: 24 S. RGE: 32 E. ELEVATION: 3538.9'

STATE: NEW MEXICO COUNTY: LEA 210' FNL & 1900' FWL

W.O. # 16-183 LEASE: WINDWARD FED SURVEY: N.M.P.M

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

0 0.3 0.6 1.2 Miles

1 IN = 4,500 FT

VICINITY MAP

04/12/2016

A.F.

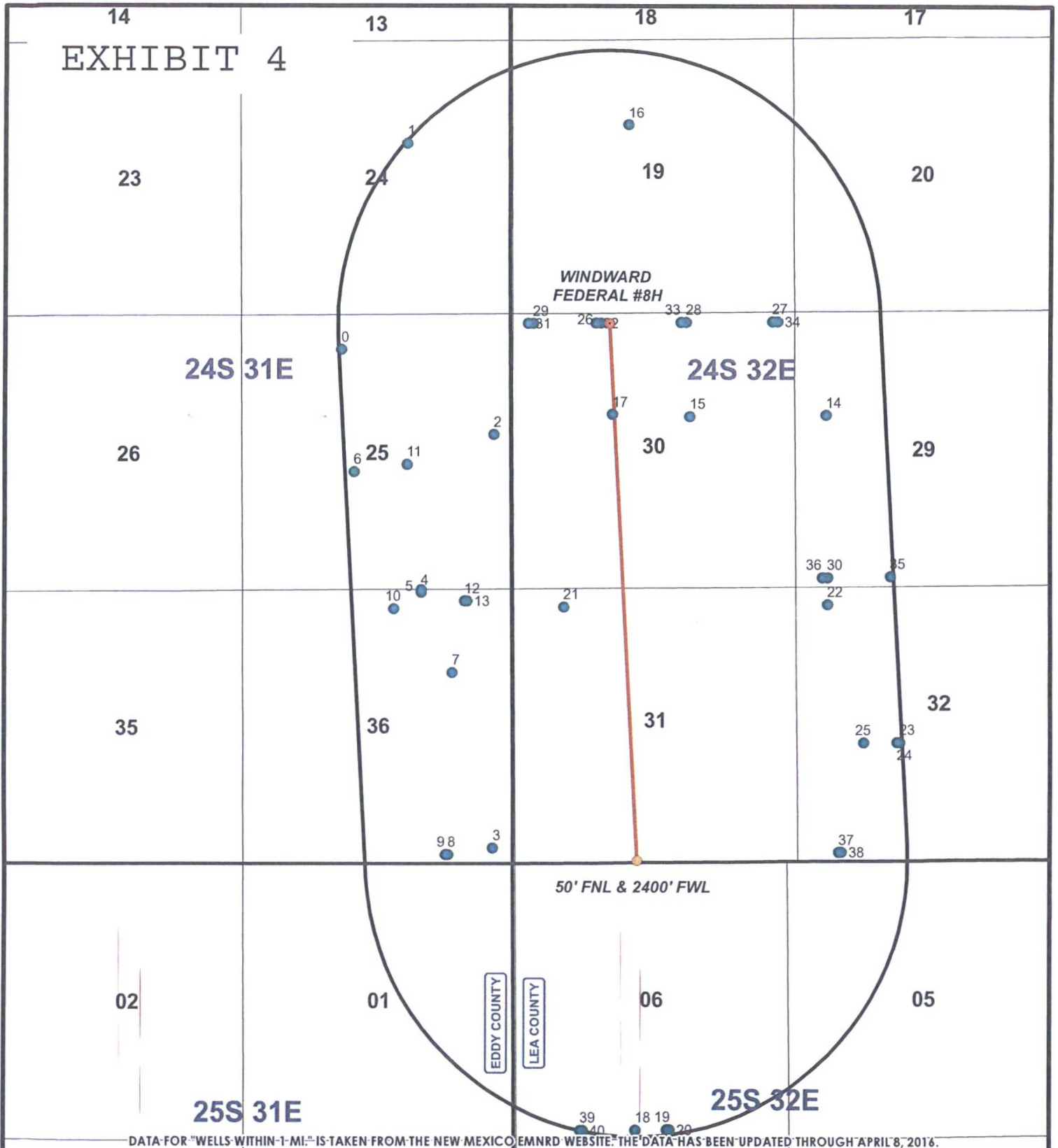
**CONCHO**

COG PRODUCTION, LLC



**HARCROW SURVEYING, LLC.**  
2314 W. MAIN ST, ARTESIA, NM 88210  
PH: (575) 746-2158 FAX: (575) 746-2158  
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 APRIL 8, 2016.

## LEGEND

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

## WINDWARD FEDERAL #8H

|                   |            |                     |                      |
|-------------------|------------|---------------------|----------------------|
| SEC: 30           | TWP: 24 S. | RGE: 32 E.          | ELEVATION: 3538.9'   |
| STATE: NEW MEXICO |            | COUNTY: LEA         | 210' FNL & 1900' FWL |
| W.O. # 16-183     |            | LEASE: WINDWARD 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

1 MILE MAP

04/11/2016

A.F.



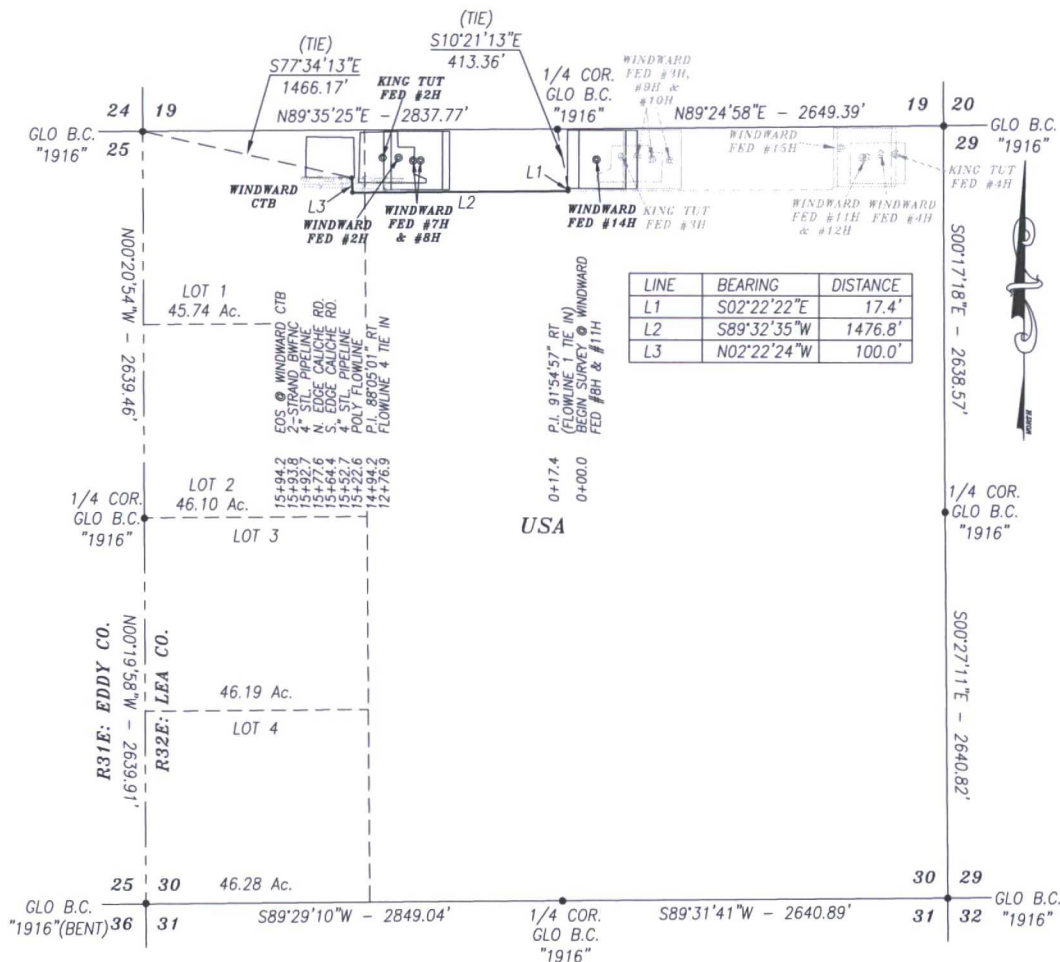
COG PRODUCTION, LLC



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

# FLOWLINE PLAT: FLOWLINE 3 COG PRODUCTION, LLC.

A PROPOSED 2-7/8" OIL, GAS, & WATER POLY FLOWLINE FROM THE WINDWARD FED #8H & #11H TO THE WINDWARD CTB IN  
SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



## DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 1594.2 FEET OR 96.62 RODS OR 0.302 MILES IN LENGTH CROSSING USA LAND IN SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 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.

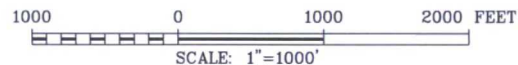


Chad Harcrow  
CHAD HARCROW N.M.P.S. NO. 17777

12/16/15  
DATE

## HARCROW SURVEYING, LLC

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



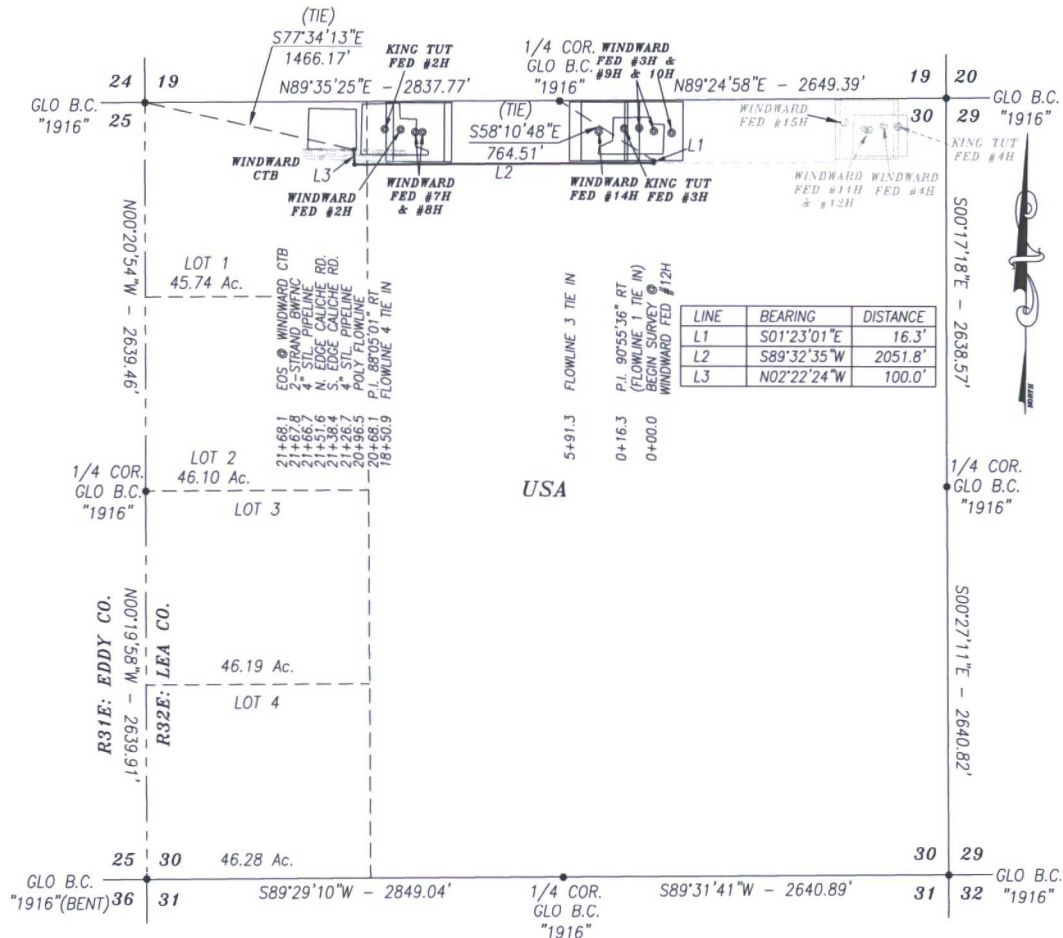
## COG PRODUCTION, LLC

SURVEY OF A PROPOSED FLOWLINE LOCATED IN  
SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST,  
LEA COUNTY, NMPM, NEW MEXICO

|                                 |              |
|---------------------------------|--------------|
| SURVEY DATE: DECEMBER 7, 2015   | FLOWLINE 3   |
| DRAFTING DATE: DECEMBER 9, 2015 | PAGE 1 OF 1  |
| APPROVED BY: CH                 | DRAWN BY: SP |
| FILE: 16-346                    |              |

# **FLOWLINE PLAT: FLOWLINE 2 COG PRODUCTION, LLC.**

A PROPOSED 2-7/8" OIL, GAS, & WATER POLY FLOWLINE FROM THE WINDWARD FED #12H TO THE WINDWARD CTB IN  
SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



## **DESCRIPTION**

A STRIP OF LAND 30.0 FEET WIDE AND 2168.1 FEET OR 131.40 RODS OR 0.411 MILES IN LENGTH CROSSING USA LAND IN SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 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.

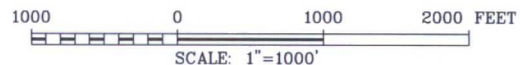


*Chad Harcrow*  
CHAD HARCROW N.M.P.S. NO. 17777

12/16/15  
DATE

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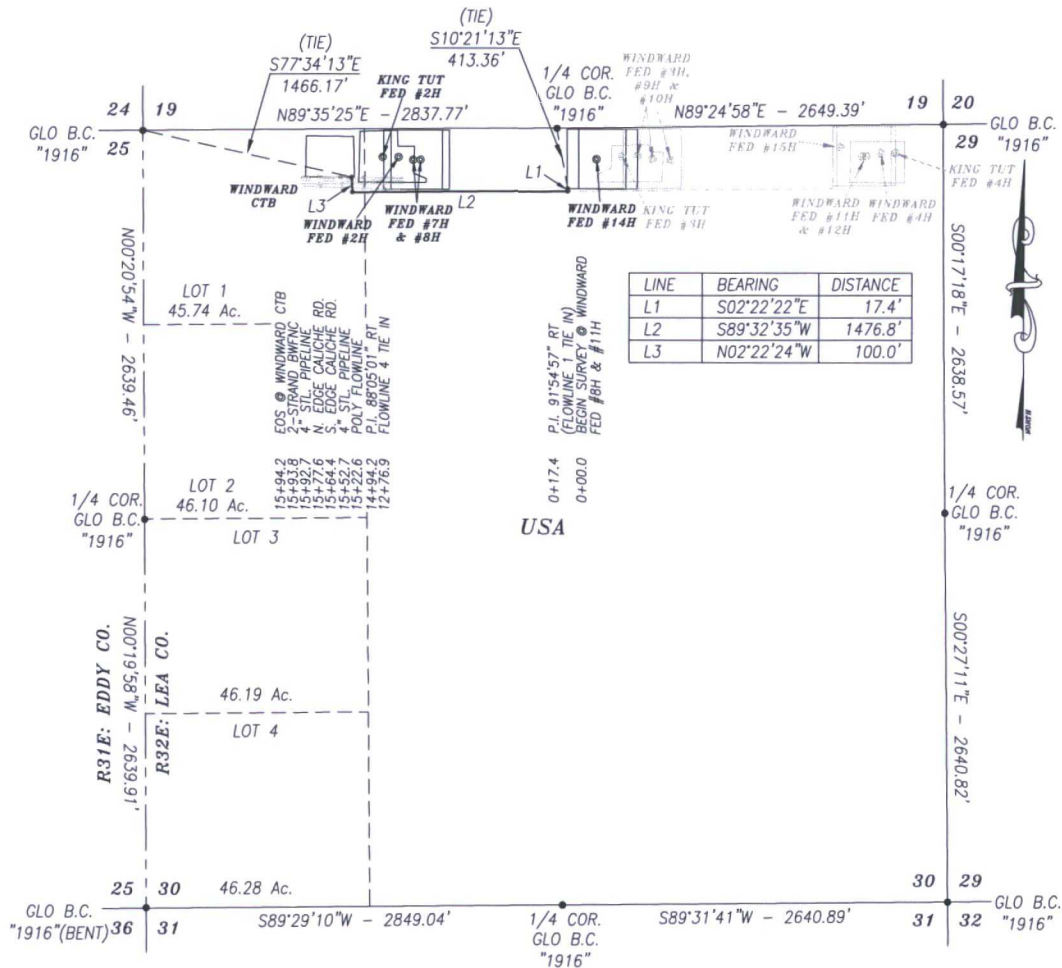
## **COG PRODUCTION, LLC**

SURVEY OF A PROPOSED FLOWLINE LOCATED IN  
SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST,  
LEA COUNTY, NMPM, NEW MEXICO

|                                 |              |
|---------------------------------|--------------|
| SURVEY DATE: DECEMBER 7, 2015   | FLOWLINE 2   |
| DRAFTING DATE: DECEMBER 9, 2015 | PAGE 1 OF 1  |
| APPROVED BY: CH                 | DRAWN BY: SP |
| FILE: 16-346                    |              |

**FLOWLINE PLAT: FLOWLINE 3  
COG PRODUCTION, LLC.**

A PROPOSED 2-7/8" OIL, GAS, & WATER POLY FLOWLINE FROM THE WINDWARD FED #8H & #11H TO THE WINDWARD CTB IN  
SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



**DESCRIPTION**

A STRIP OF LAND 30.0 FEET WIDE AND 1594.2 FEET OR 96.62 RODS OR 0.302 MILES IN LENGTH CROSSING USA LAND IN SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 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**

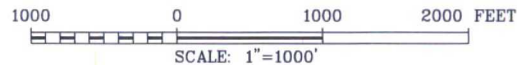
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



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

DATE

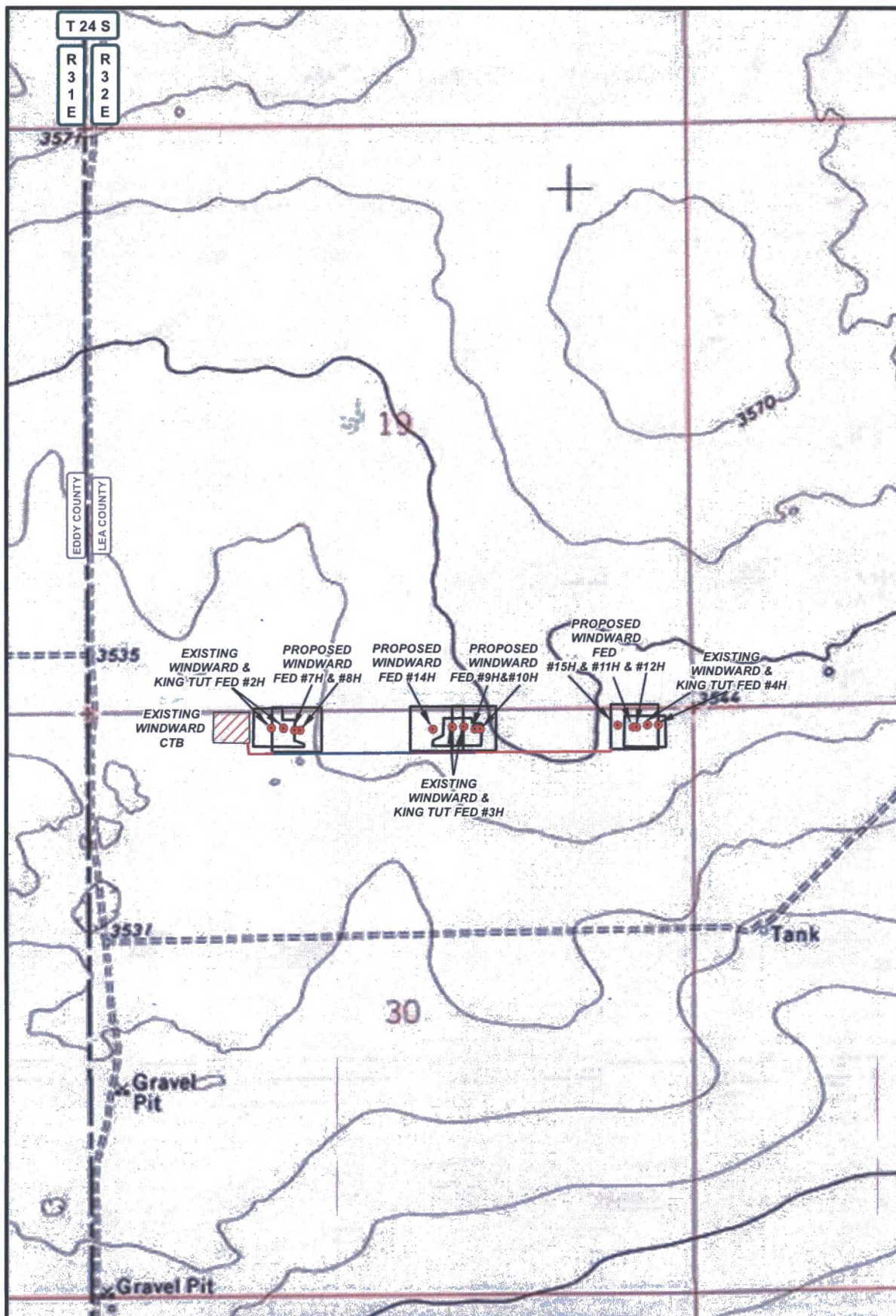
**HARCROW SURVEYING, LLC**  
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PH: (575) 746-2158 FAX: (575) 746-2158  
c.harcrow@harcrowsurveying.com



**COG PRODUCTION, LLC**

SURVEY OF A PROPOSED FLOWLINE LOCATED IN  
SECTION 30, TOWNSHIP 24 SOUTH, RANGE 32 EAST,  
LEA COUNTY, NMPM, NEW MEXICO

|                                 |              |
|---------------------------------|--------------|
| SURVEY DATE: DECEMBER 7, 2015   | FLOWLINE 3   |
| DRAFTING DATE: DECEMBER 9, 2015 | PAGE 1 OF 1  |
| APPROVED BY: CH                 | DRAWN BY: SP |
| FILE: 16-346                    |              |

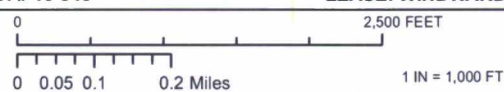


# LEGEND

- FLOWLINE 1
- FLOWLINE 2
- FLOWLINE 3
- FLOWLINE 4
- WELL
- WELLPAD
- ▨ TANKBATTERY

## WINDWARD FLOWLINE SYSTEM

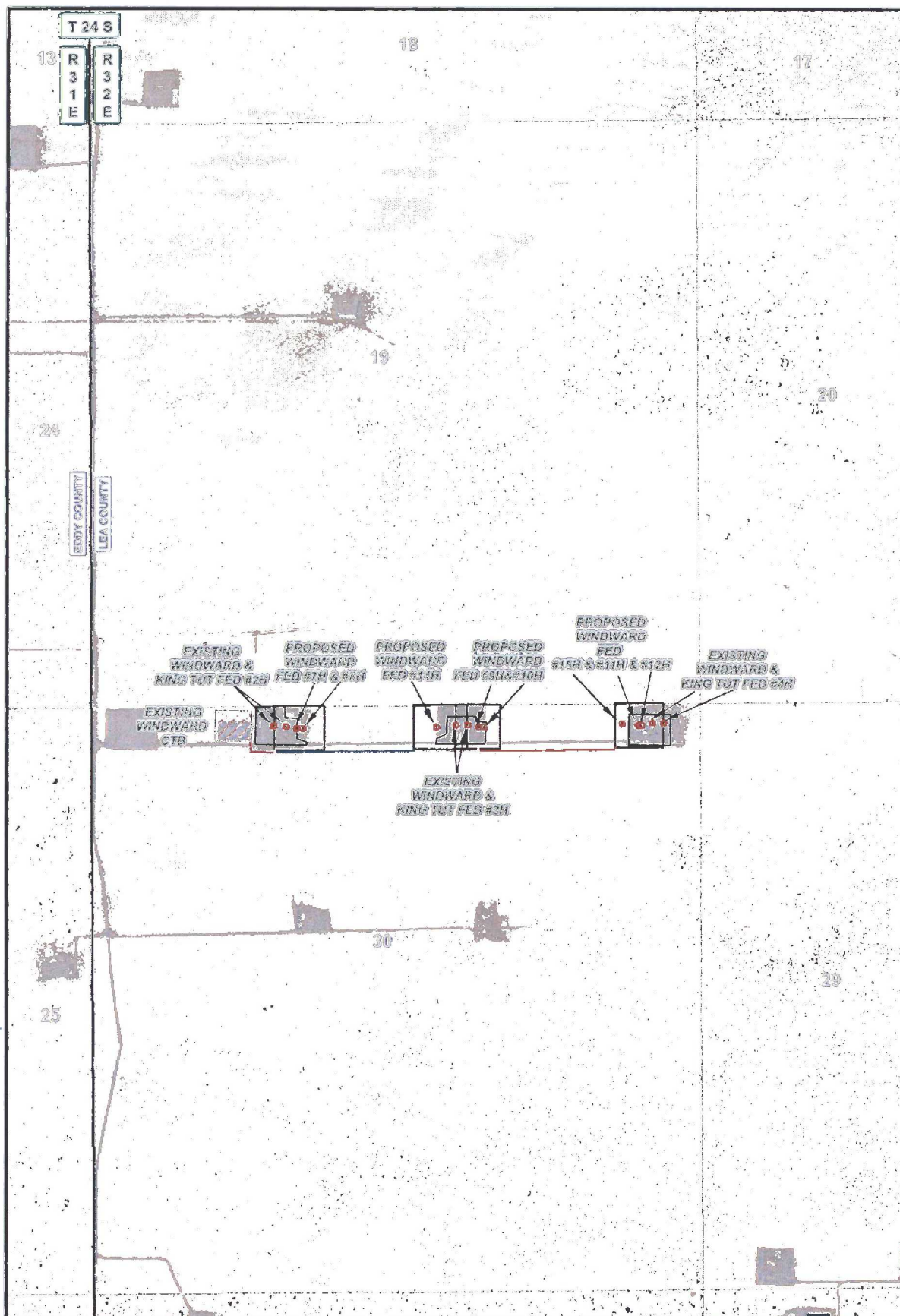
SECTION: 30 TOWNSHIP: 24 S. RANGE: 32 E.  
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.  
 W.O. # 16-346 LEASE: WINDWARD FED



PIPELINE OVERVIEW TOPO 12/09/2015 S.P.

**CONCHO**  
 COG PRODUCTION, LLC

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



# LEGEND

- FLOWLINE 1
- FLOWLINE 2
- FLOWLINE 3
- FLOWLINE 4
- WELL
- WELLPAD
- ▨ TANKBATTERY

## WINDWARD FLOWLINE SYSTEM

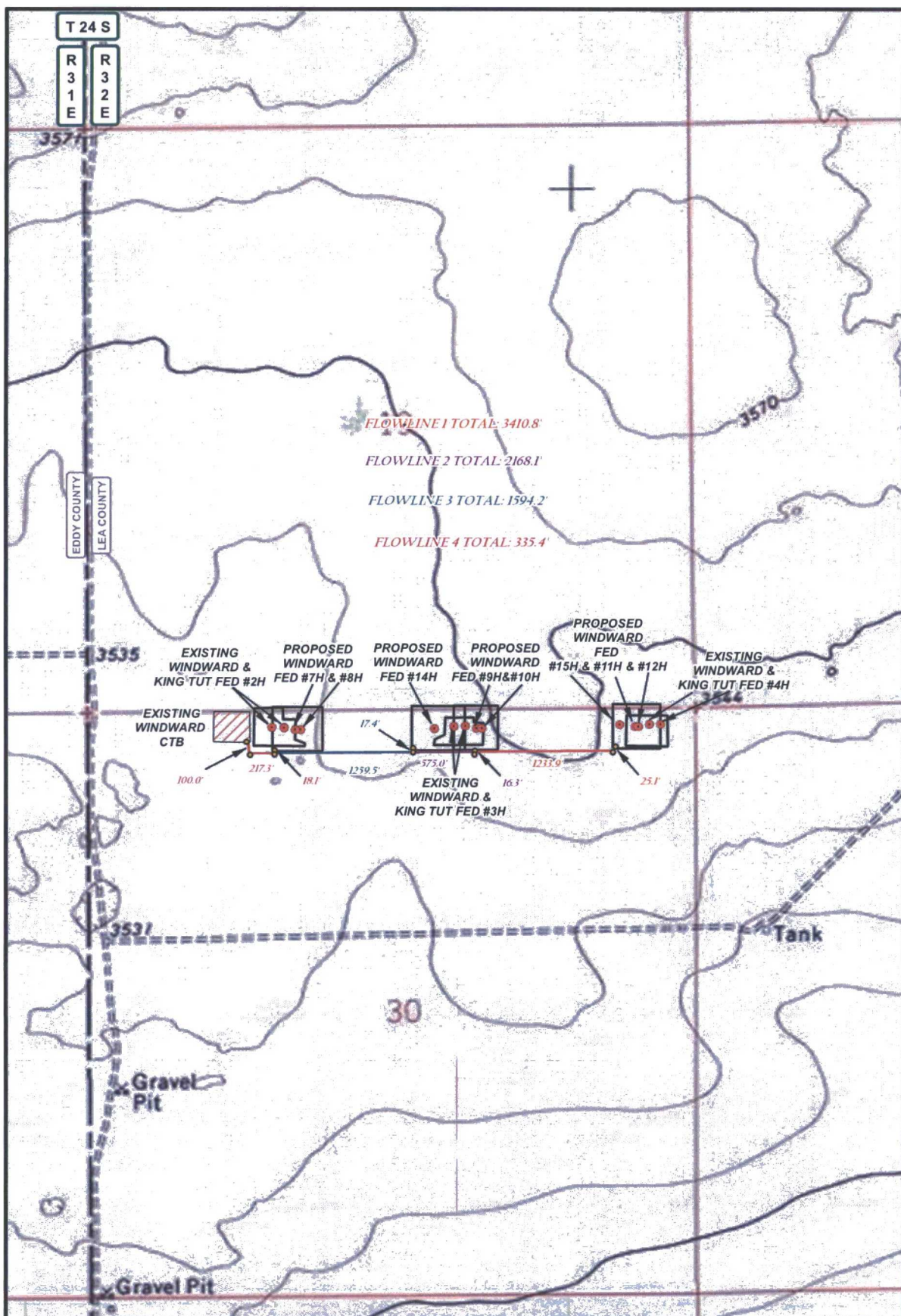
SECTION: 30      TOWNSHIP: 24 S.      RANGE: 32 E.  
 STATE: NEW MEXICO      COUNTY: LEA      SURVEY: N.M.P.M.  
 W.O. # 16-346      LEASE: WINDWARD FED



PIPELINE OVERVIEW      IMAGERY      12/09/2016      5.P.

**CONCHO**  
 COG PRODUCTION, LLC

**HARCROW SURVEYING, LLC.**  
 2220 W. MAIN ST. ALBUQUERQUE, NM 87102  
 PH: (505) 746-2153 FAX: (505) 746-2158  
 c.harcrow@harcrowsurveying.com

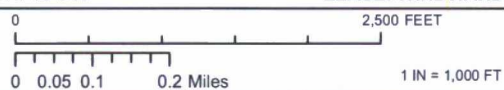


#### LEGEND

- FLOWLINE 1
- FLOWLINE 2
- FLOWLINE 3
- FLOWLINE 4
- WELL
- WELLPAD
- ▨ TANKBATTERY

#### WINDWARD FLOWLINE SYSTEM

SECTION: 30 TOWNSHIP: 24 S. RANGE: 32 E.  
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.  
 W.O. # 16-346 LEASE: WINDWARD FED



PIPELINE OVERVIEW

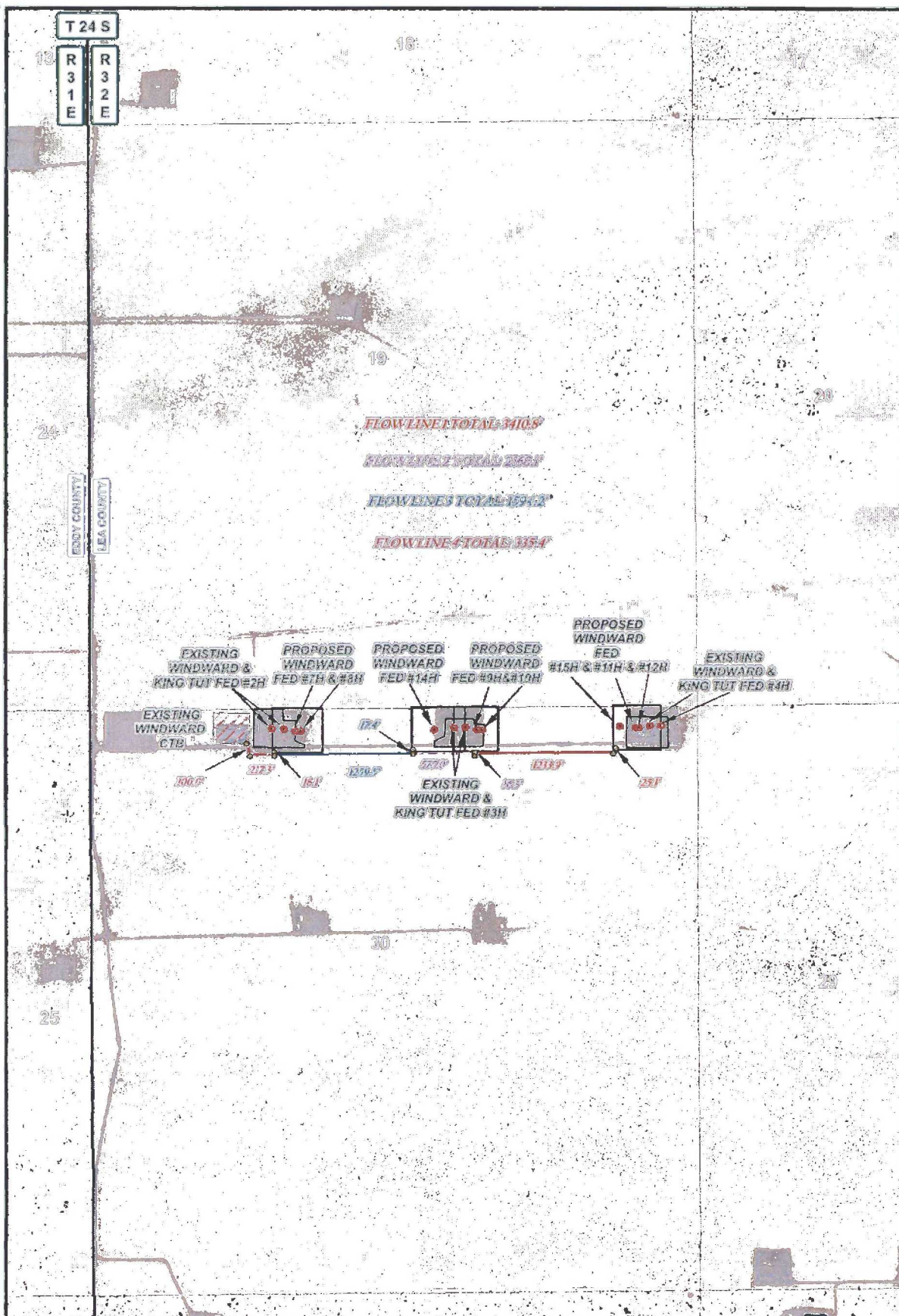
TOPO

12/09/2015

S.P.

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 COG PRODUCTION, LLC

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# LEGEND

- FLOWLINE 1
- FLOWLINE 2
- FLOWLINE 3
- FLOWLINE 4
- WELL
- WELLPAD
- TANKBATTERY

## WINDWARD FLOWLINE SYSTEM

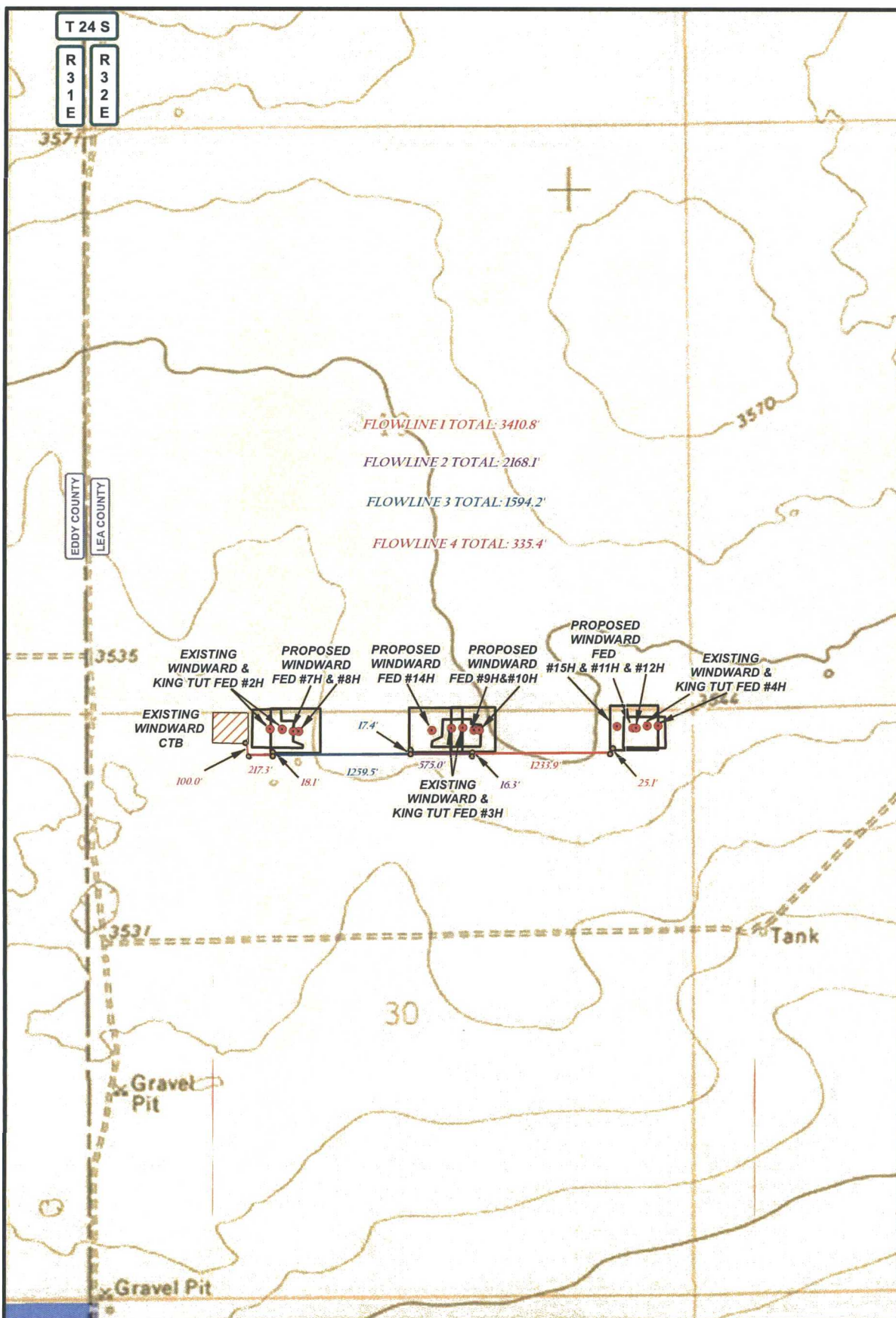
SECTION: 30      TOWNSHIP: 24 S.      RANGE: 32 E.  
 STATE: NEW MEXICO      COUNTY: LEA      SURVEY: N.M.P.M.  
 W.O. # 16-346      LEASE: WINDWARD FED



PIPELINE OVERVIEW      IMAGERY      12/09/2015      S.P.

**CONCHO**  
 COG PRODUCTION, LLC

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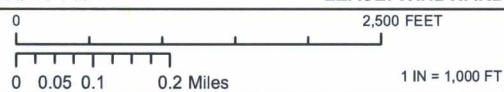


# LEGEND

- FLOWLINE 1
- FLOWLINE 2
- FLOWLINE 3
- FLOWLINE 4
- WELL
- WELLPAD
- ▨ TANK/BATTERY
- PRIVATE
- STATE OF NM
- US BLM

## WINDWARD FLOWLINE SYSTEM

SECTION: 30 TOWNSHIP: 24 S. RANGE: 32 E.  
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.  
 W.O. # 16-346 LEASE: WINDWARD FED



PIPELINE OVERVIEW LAND STATUS 12/09/2015 S.P.

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