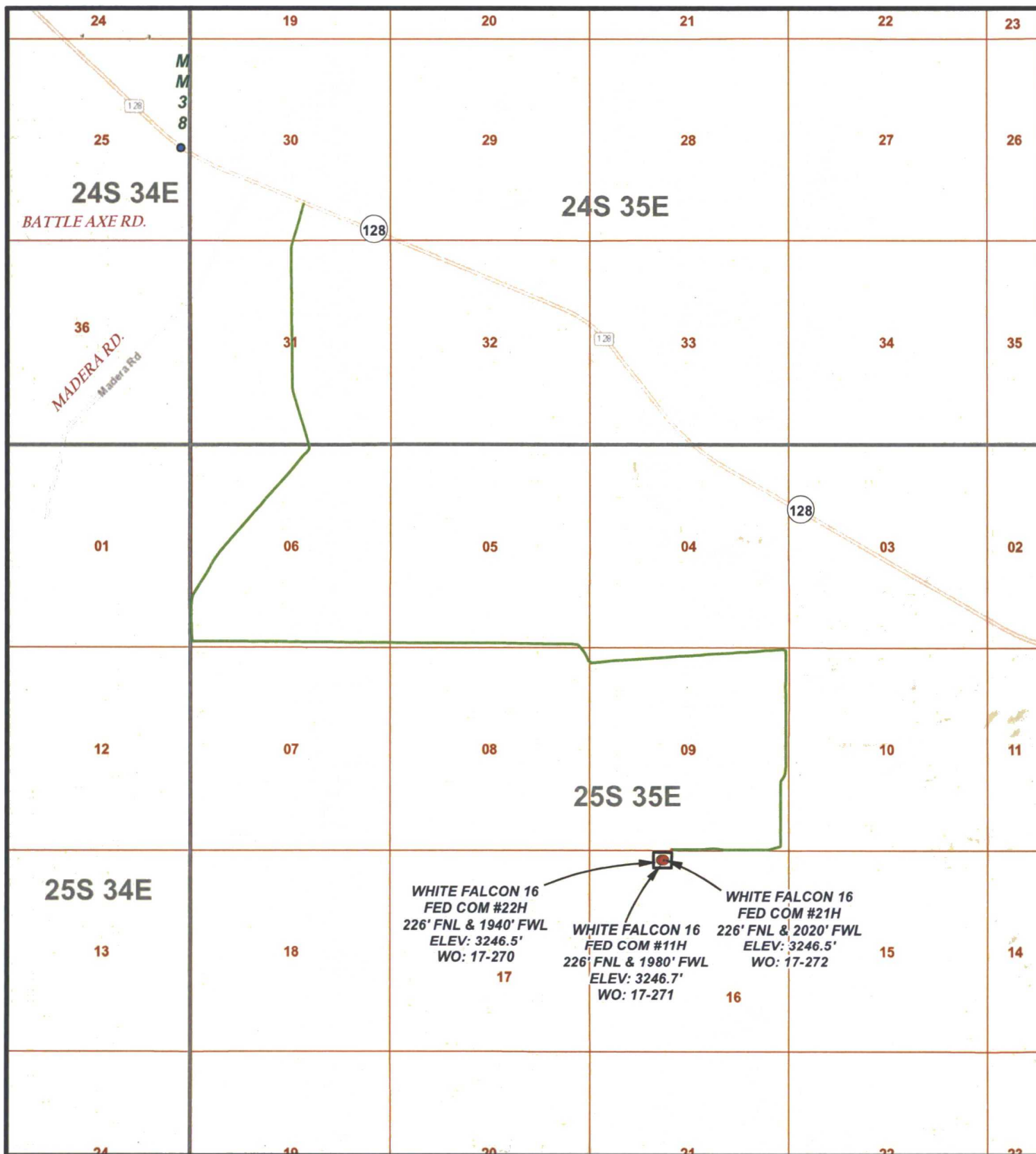




LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

WHITE FALCON 16 FED COM WELL GROUP

SECTION: 16 TOWNSHIP: 25 S. RANGE: 35 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
 W.O. # 17-270-272 LEASE: WHITE FALCON 16 FED COM

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

0 0.275 0.55 1.1 Miles

1 IN = 4,000 FT

LOCATION MAP

VICINITY

3/17/2017

S.P.



COG OPERATING, LLC



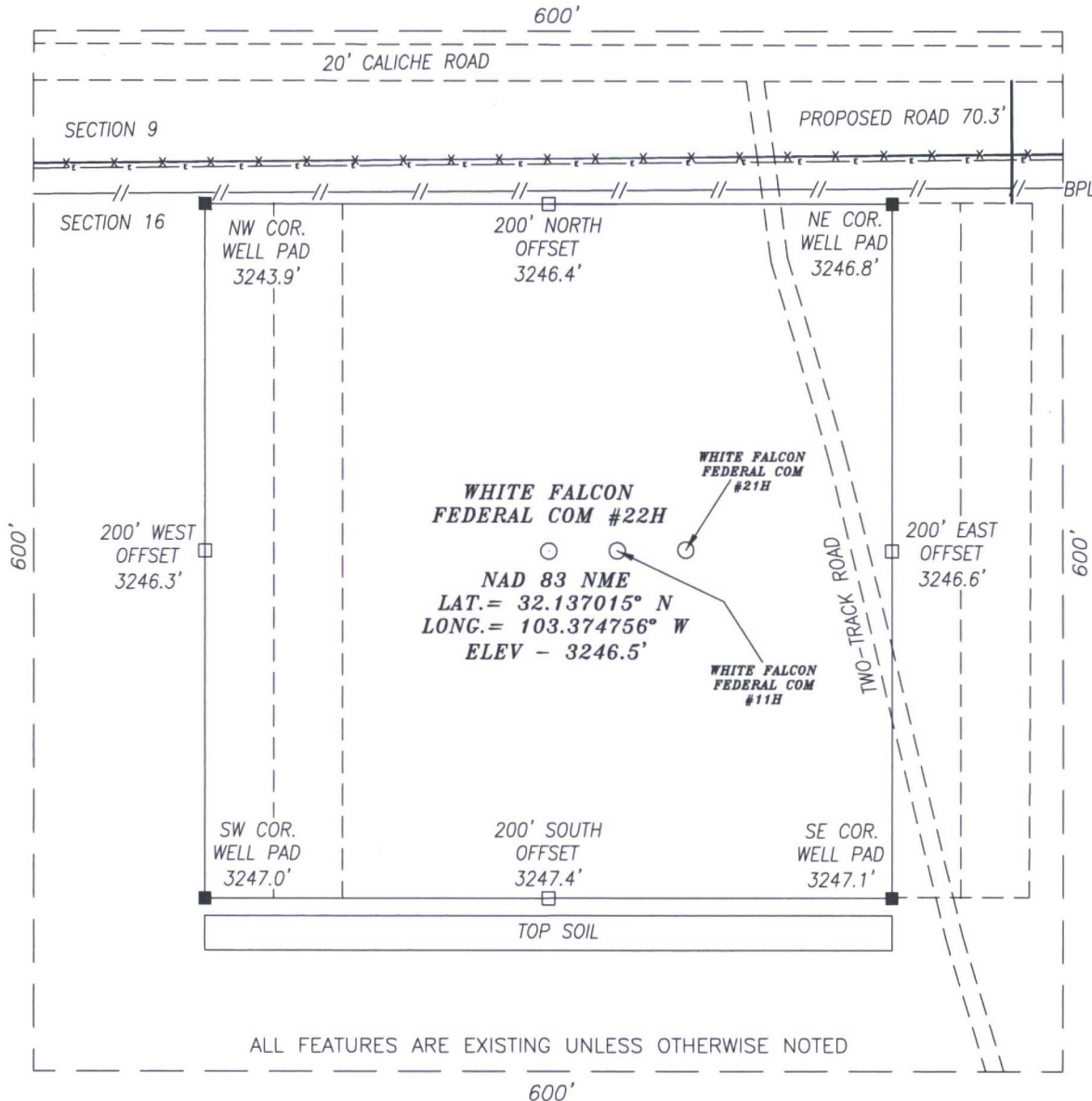
HARCROW SURVEYING, LLC.

2314 W. MAIN ST, ARTESIA, NM 88210

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

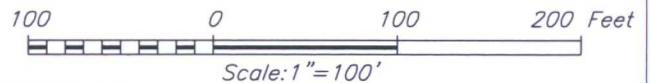
c.harcrow@harcrowsurveying.com

SECTION 16, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

HEADING EASTERLY ON HIGHWAY 128 TURN RIGHT (SOUTHERLY) APPROX. 0.6 MI. PAST MM 38 AND GO APPROX. 2.3 MI.; THEN TURN LEFT (EASTERLY) AND GO APPROX. 3.0 MI.; THEN TURN RIGHT (SOUTHERLY) AND GO APPROX. 1.0 MI.; THEN TURN RIGHT (WESTERLY) AND GO APPROX. 0.5 MI.; PROPOSED WELL LIES APPROX. 285 FEET LEFT (SOUTH).



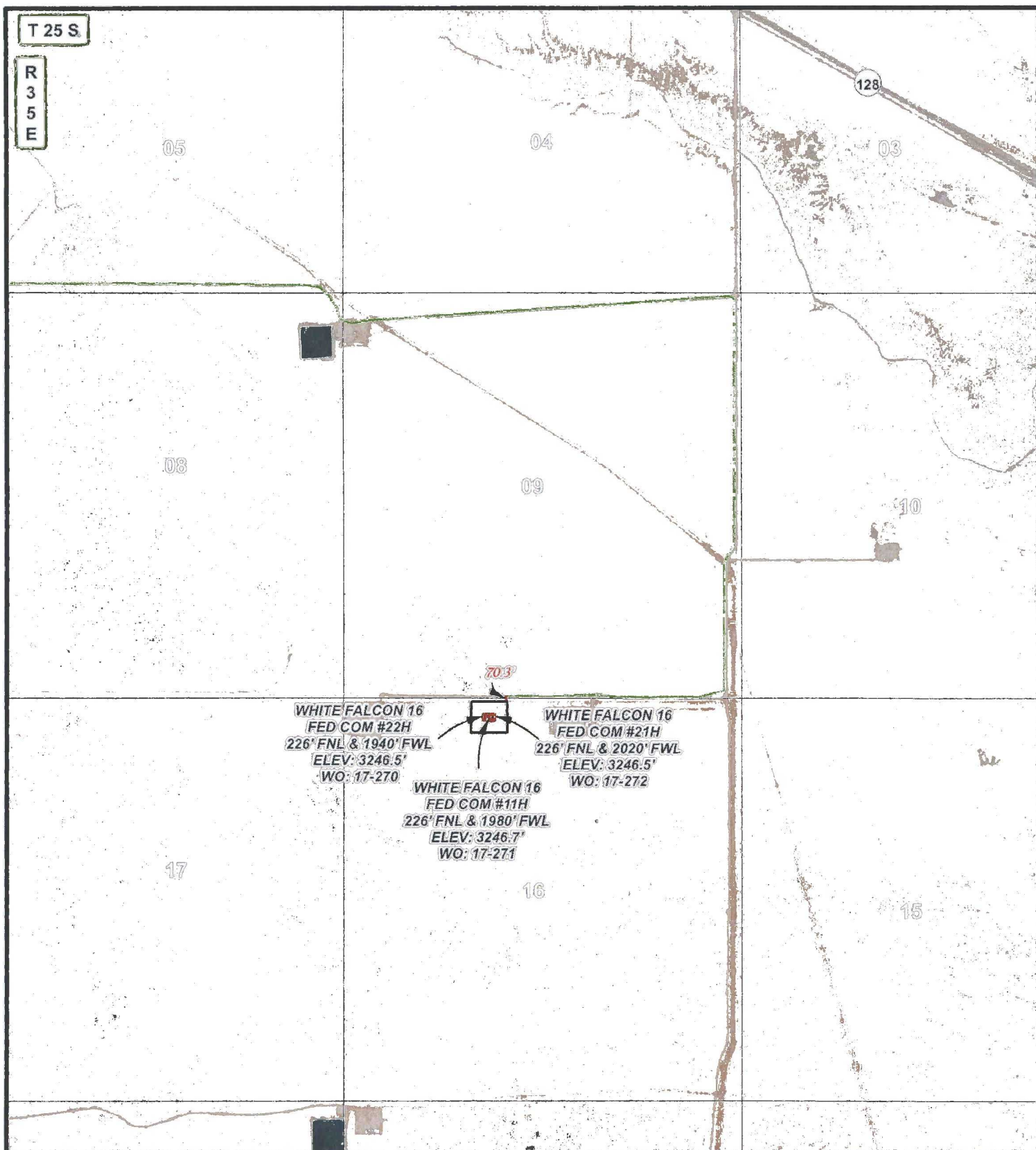
HARCROW SURVEYING, LLC
2314 W. MAIN ST, ARTESIA, N.M. 88210
PH: (575) 746-2158 FAX: (575) 746-2158
c.harcrow@harcrowsurveying.com



COG OPERATING, LLC

WHITE FALCON FEDERAL COM #22H
LOCATED 226 FEET FROM THE NORTH LINE
AND 1940 FEET FROM THE WEST LINE OF SECTION 16,
TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: MARCH 8, 2017	PAGE: 1 OF 1
DRAFTING DATE: MARCH 14, 2017	
APPROVED BY: CH	DRAWN BY: SA FILE: 17-270



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

WHITE FALCON 16 FED COM WELL GROUP

SECTION: 16	TOWNSHIP: 25 S.	RANGE: 35 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M.
W.O. # 17-270-272	LEASE: WHITE FALCON 16 FED COM	



LOCATION MAP

IMAGERY

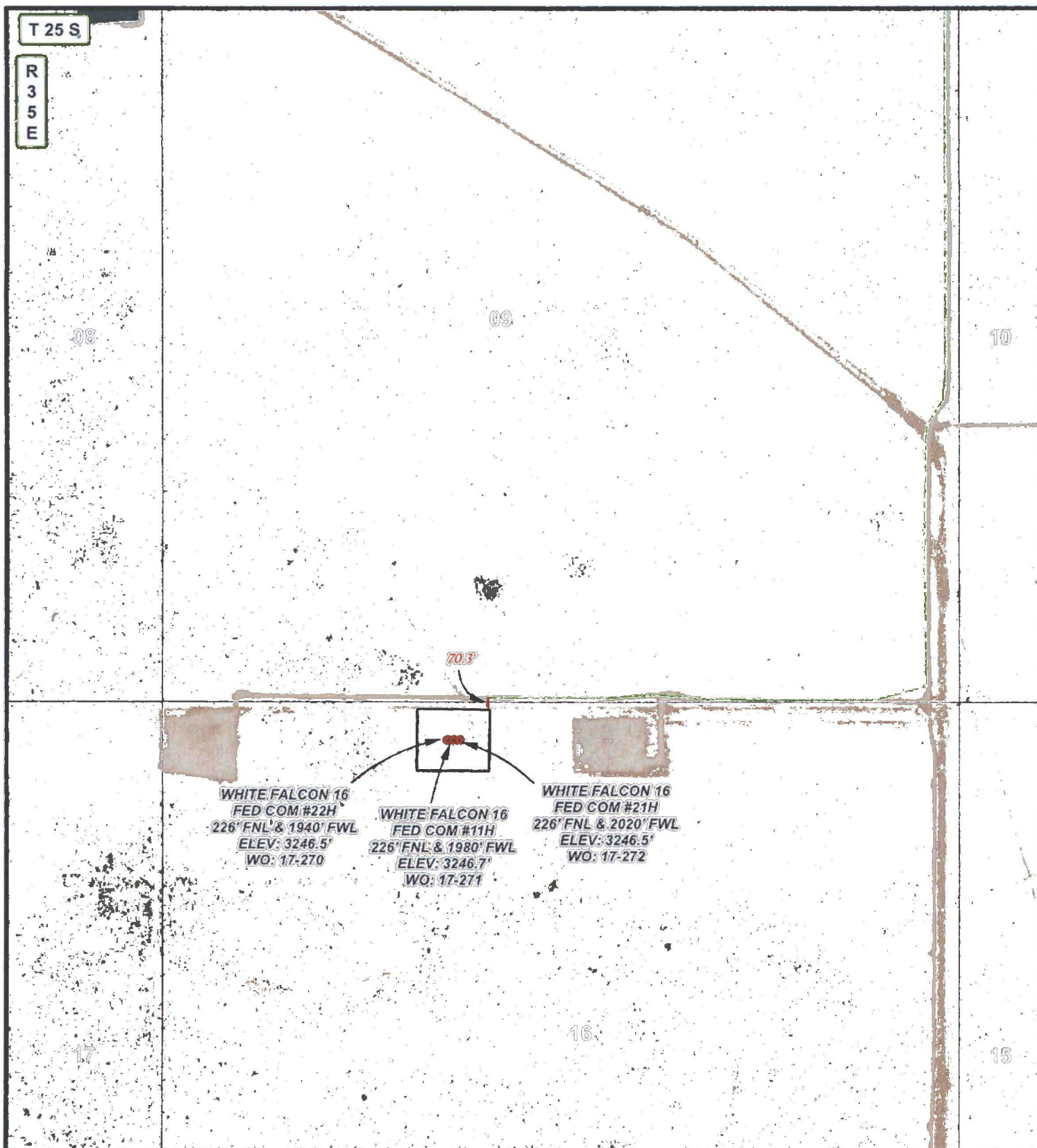
3/17/2017

S.P.

CONCHO
COG OPERATING, LLC

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

T 25 S

R
3
5
E

LEGEND



WELL



WELLPAD



EXISTING ROAD



PROPOSED ROAD

WHITE FALCON 16 FED COM WELL GROUP

SECTION: 16

TOWNSHIP: 25 S.

RANGE: 35 E.

STATE: NEW MEXICO

COUNTY: LEA

SURVEY: N.M.P.M

W.O. # 17-270-272

LEASE: WHITE FALCON 16 FED COM

0 2,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 1,000 FT

LOCATION MAP

IMAGERY ROAD

3/17/2017

S.P.



COG OPERATING, LLC

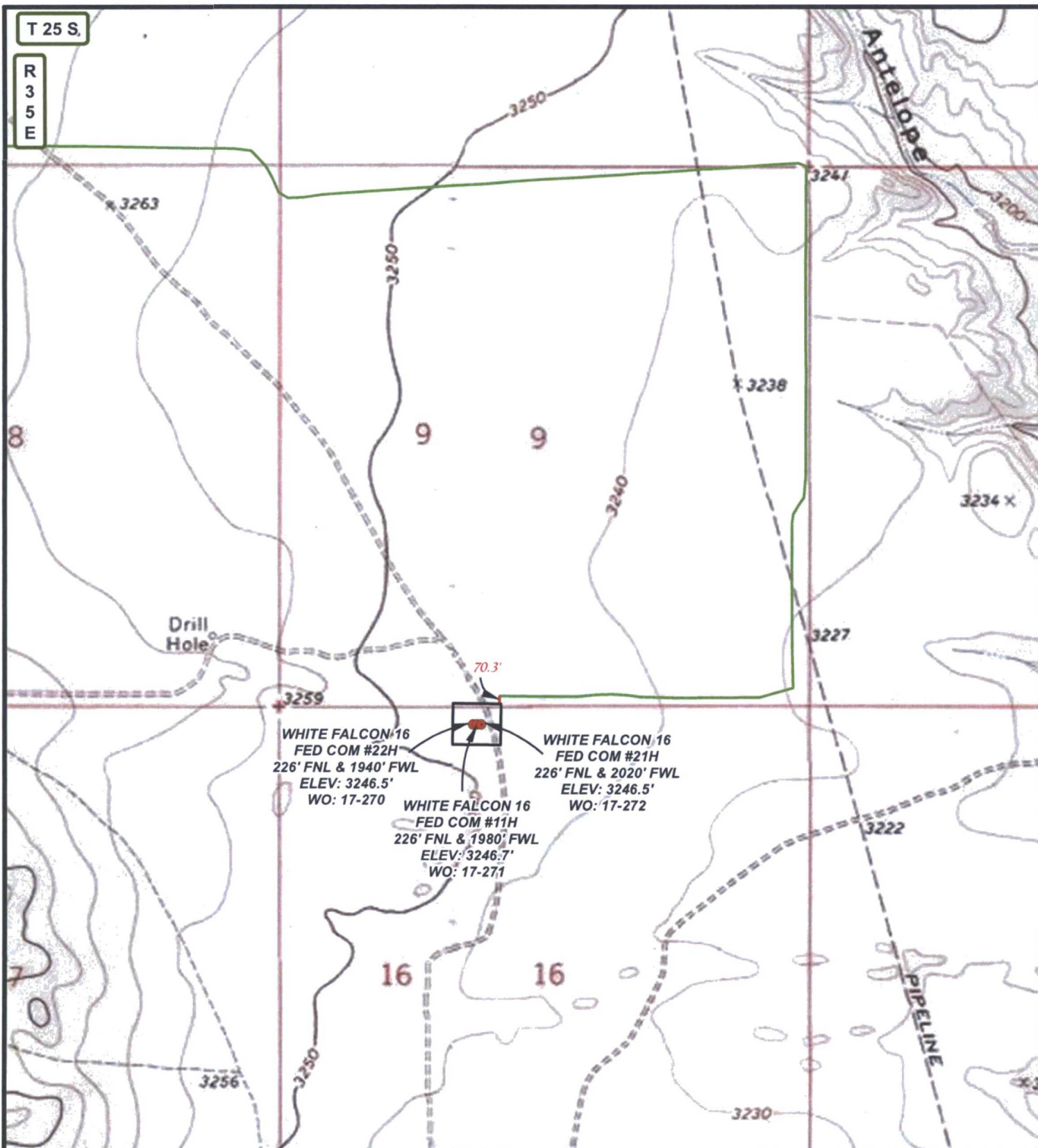


HARCROW SURVEYING, LLC.

2314 W. MAIN ST, ARTESIA, NM 88210

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

c.harcrow@harcrowsurveying.com



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

WHITE FALCON 16 FED COM WELL GROUP

SECTION: 16 TOWNSHIP: 25 S. RANGE: 35 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
 W.O. # 17-270-272 LEASE: WHITE FALCON 16 FED COM



LOCATION MAP

TOPO ROAD

3/17/2017

S.P.

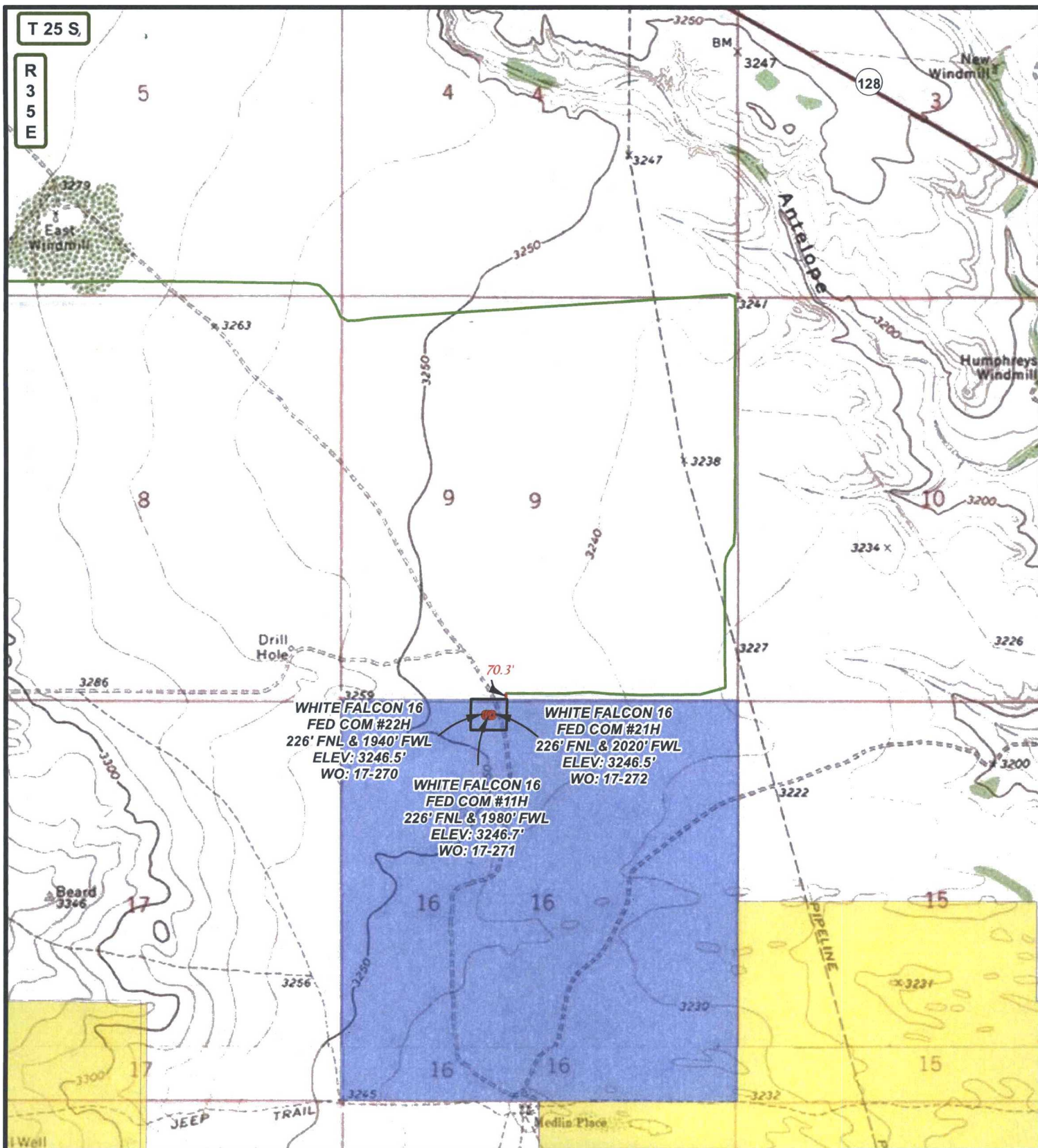
CONCHO

COG OPERATING, 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
- PROPOSED ROAD
- PRIVATE
- STATE OF NM
- US BLM

WHITE FALCON 16 FED COM WELL GROUP

SECTION: 16 TOWNSHIP: 25 S. RANGE: 35 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M
 W.O. # 17-270-272 LEASE: WHITE FALCON 16 FED COM

0 2,500 5,000 FEET

0 0.125 0.25 0.5 Miles 1 IN = 2,000 FT

LOCATION MAP

LAND STATUS

3/17/2017

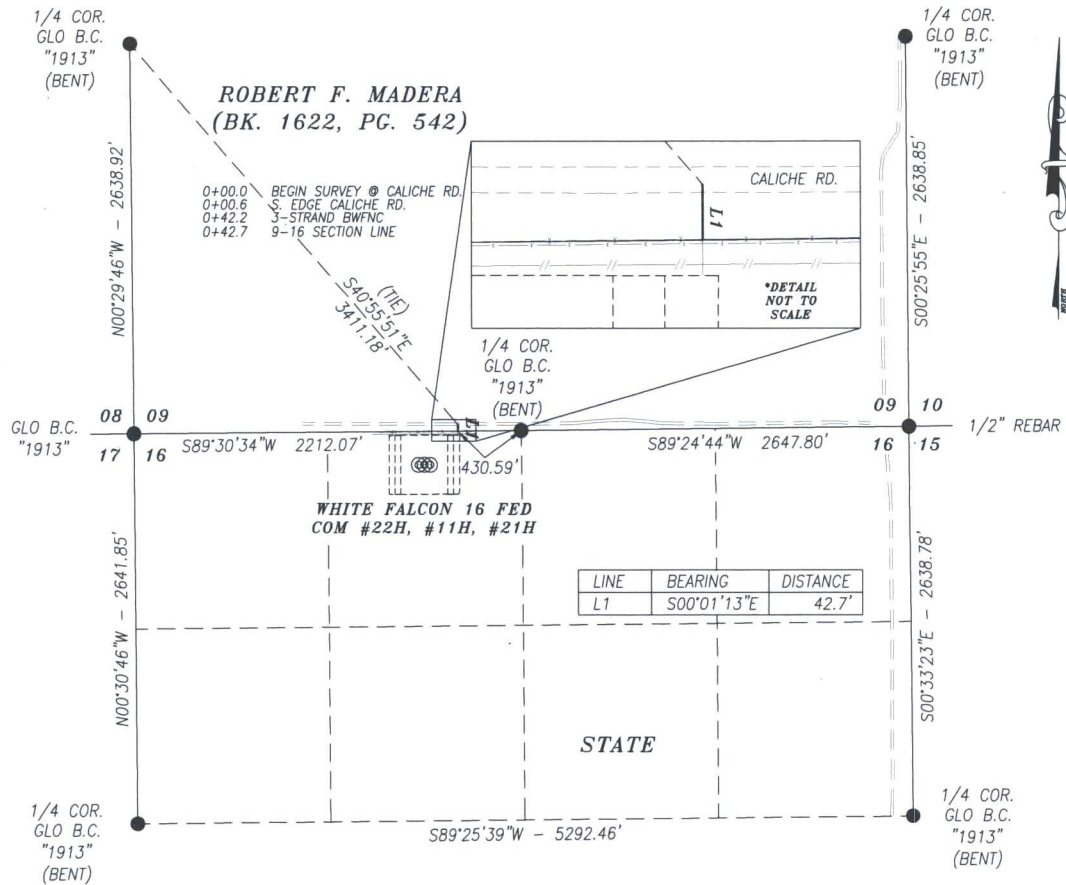
S.P.

CONCHO
 COG OPERATING, LLC

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

ACCESS ROAD PLAT COG OPERATING, LLC.

AN ACCESS ROAD FROM AN EXISTING CALICHE ROAD TO WHITE FALCON 16 COM WELLPAD IN
SECTION 9, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 42.7 FEET OR 2.59 RODS OR 0.008 MILES IN LENGTH CROSSING FEE LAND IN SECTION 9, TOWNSHIP 25 SOUTH, RANGE 35 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 SURFACE 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

3/16/17
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 ACCESS ROAD LOCATED IN
SECTION 9, TOWNSHIP 25 SOUTH, RANGE 35 EAST, NMPM,
LEA COUNTY, NEW MEXICO

SURVEY DATE: MARCH 9, 2017

DRAFTING DATE: MARCH 14, 2017

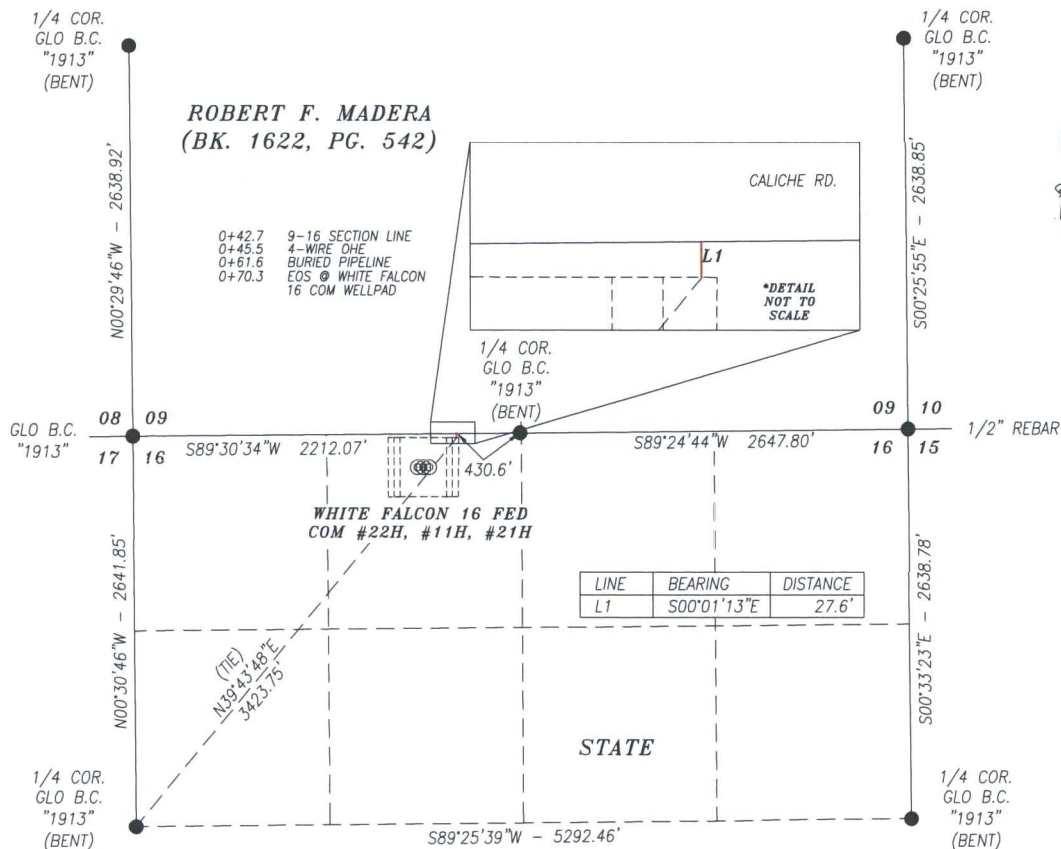
APPROVED BY: CH

DRAWN BY: SA

PAGE 1 OF 2

FILE: 17-273

AN ACCESS ROAD FROM AN EXISTING CALICHE ROAD TO WHITE FALCON 16 COM WELLPAD IN
SECTION 16, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 16, TOWNSHIP 25 SOUTH, RANGE 35 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 ON THE NORTH LINE OF SAID SECTION, WHICH LIES S89°30'34"W 430.6 FEET FROM THE NORTH QUARTER CORNER OF SECTION 16; THEN S00°01'13"E 27.6 FEET, TO A POINT IN THE NE/4 NW/4 OF SECTION 16, WHICH LIES N39°43'48"E 3423.75 FEET FROM WEST QUARTER CORNER OF SECTION 16.

SAID STRIP OF LAND BEING 27.6 FEET OR 1.67 RODS IN LENGTH, CONTAINING 0.002 ACRES MORE OR LESS AND BEING ENTIRELY LOCATED WITHIN THE NE/4 NW/4 OF SECTION 16.

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

c.harcrow@harcrowsurveying.com



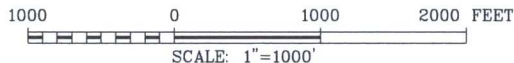
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR
CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT
THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE
AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS
FOR SURVEYING IN NEW MEXICO.



Chad Harrow

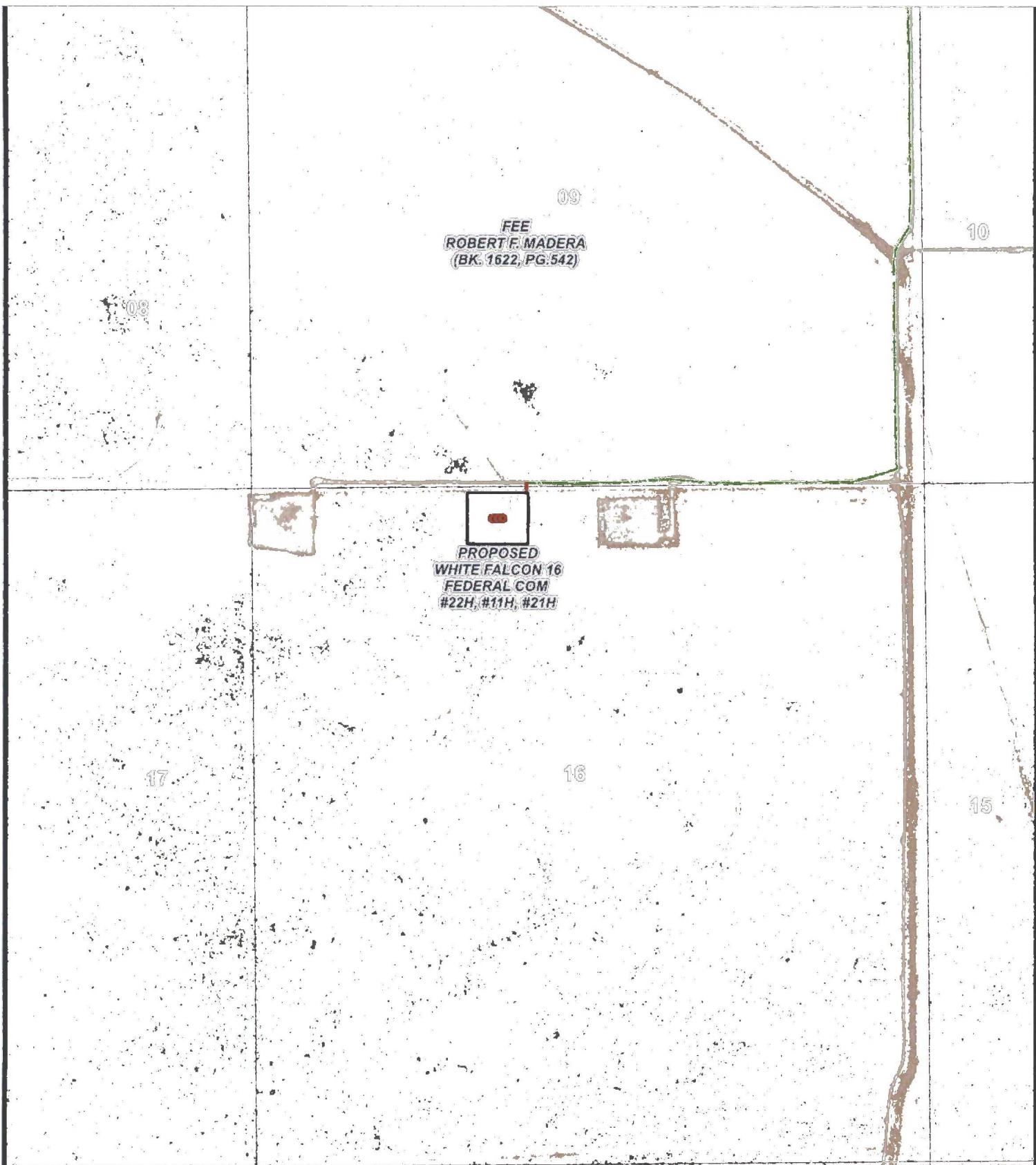
CHAD HARCROW N.M.P.S. NO. 17777

3/16/17
DATE



SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN
SECTION 16, TOWNSHIP 25 SOUTH, RANGE 35 EAST, NMPM,
LEA COUNTY, NEW MEXICO

FILE: 17-273

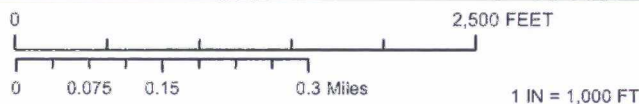


LEGEND

- WELL
- WELLPAD
- PROP. ACCESS ROAD
- EXISTING ROAD

WHITE FALCON 16 FED COM ACCESS ROAD

SECTIONS: 9 & 16	TOWNSHIP: 25 S.	RANGE: 35 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 17-273	LEASE: WHITE FALCON 16 FED COM	



ACCESS ROAD MAP

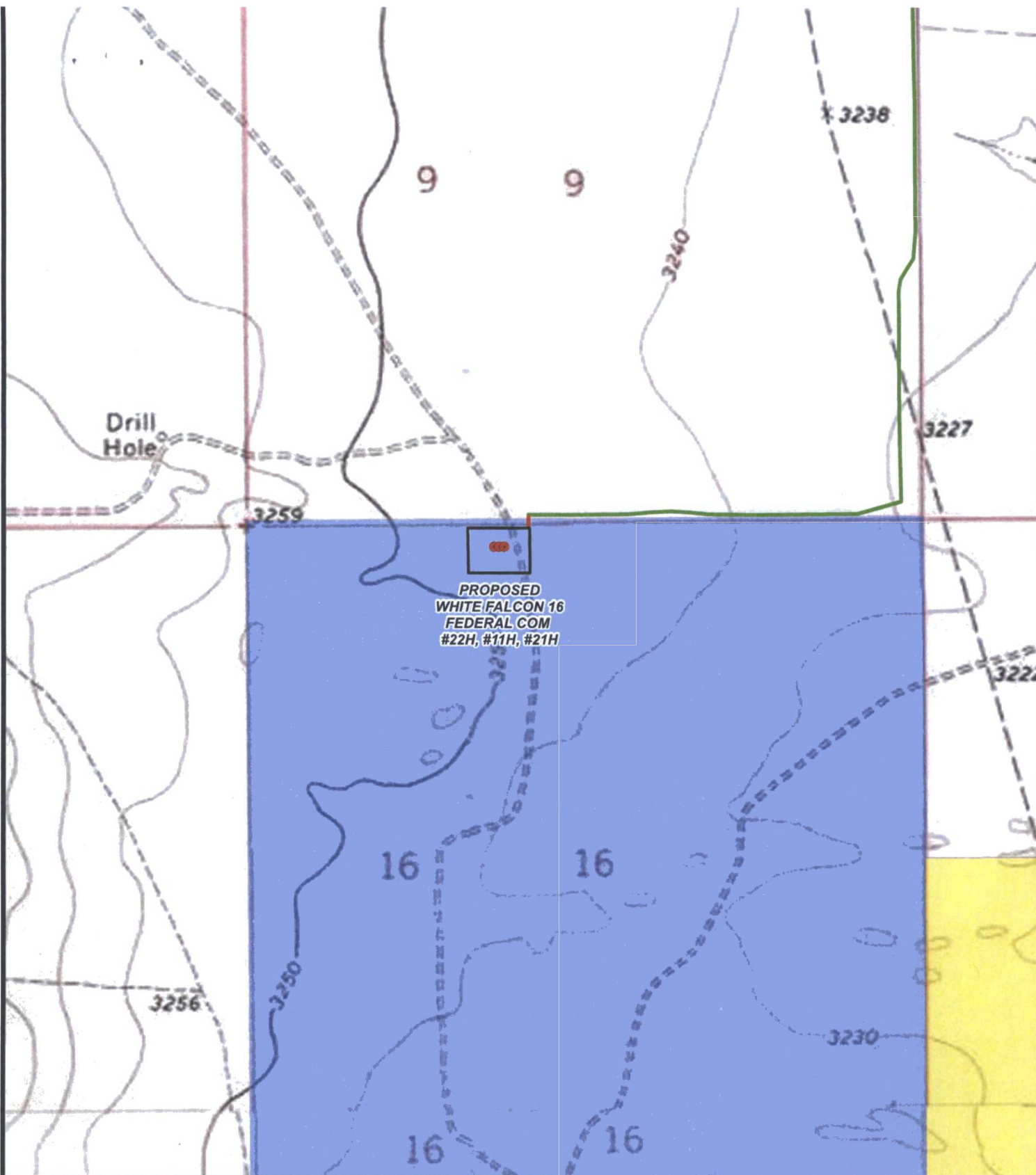
IMAGERY

03/15/17

S.A.

CONCHO
COG OPERATING, LLC

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

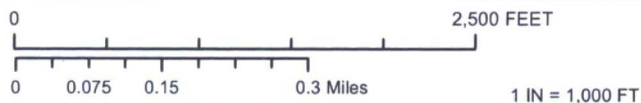


LEGEND

- WELL
- WELLPAD
- PROP. ACCESS ROAD
- EXISTING ROAD
- PRIVATE
- STATE OF NM
- US BLM

WHITE FALCON 16 FED COM ACCESS ROAD

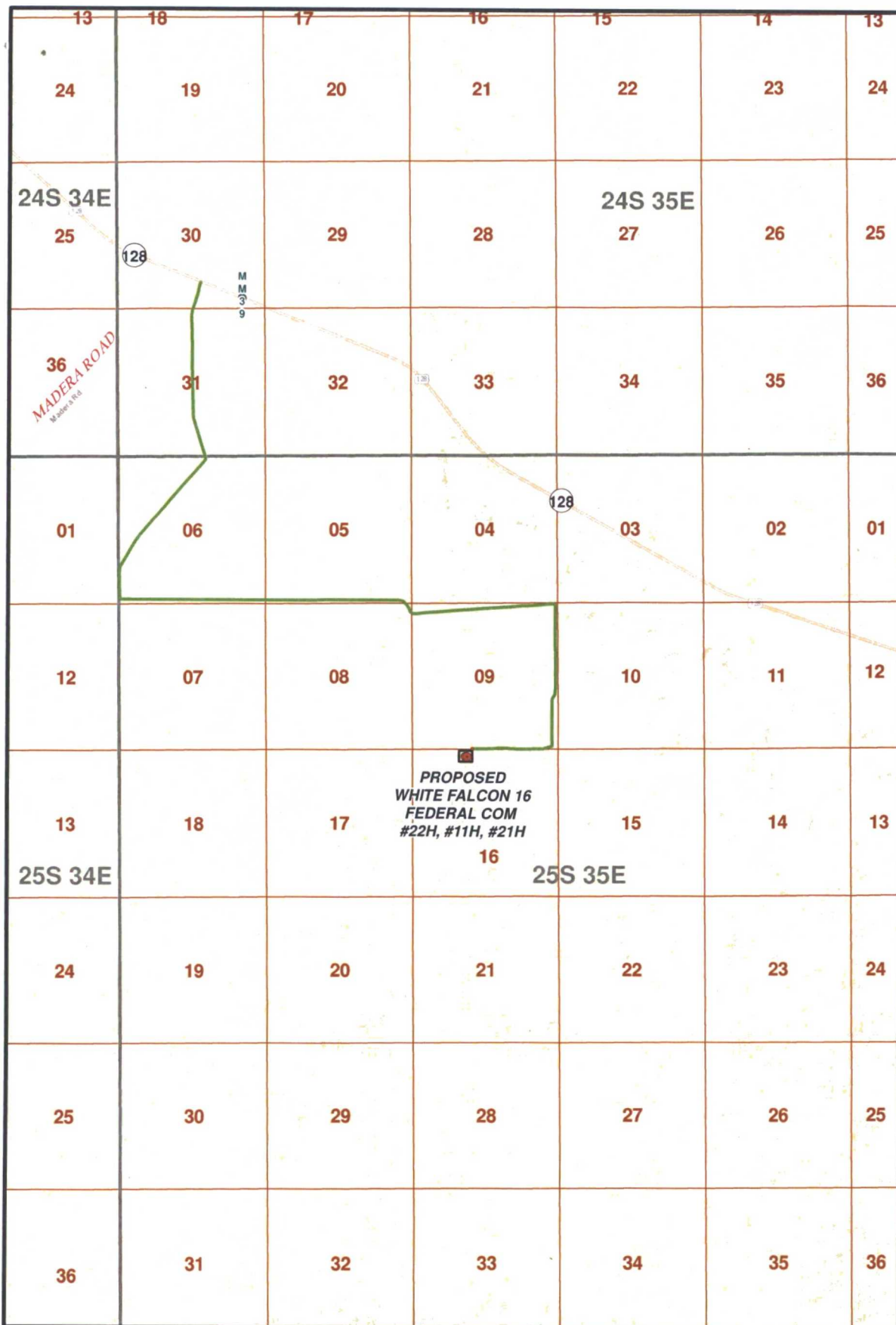
SECTIONS: 9 & 16	TOWNSHIP: 25 S.	RANGE: 35 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 17-273	LEASE: WHITE FALCON 16 FED COM	



ACCESS ROAD MAP	LAND STATUS	03/15/17	S.A.
-----------------	-------------	----------	------

CONCHO
COG OPERATING, LLC

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

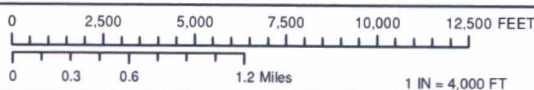


LEGEND

- WELL
- WELLPAD
- PROP. ACCESS ROAD
- EXISTING ROAD

WHITE FALCON 16 FED COM ACCESS ROAD

SECTIONS: 9 & 16 TOWNSHIP: 25 S. RANGE: 35 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M
 W.O. # 17-273 LEASE: WHITE FALCON 16 FED COM



ACCESS ROAD MAP VICINITY 03/15/17 S.A.

CONCHO
 COG OPERATING, LLC

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

T 25 S

R
3
5
E

07

08

09

10

11

WHITE FALCON 16
FEDERAL COM #22HFTP: 330' FNL &
1650' FWL

18

17

16

15

14

19

20

21

22

23

30

29

28

27

26

LTP: 330' FSL &
1650' FWLBHL: 200' FSL &
1650' FWL

DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH DECEMBER 31, 2016.

LEGEND

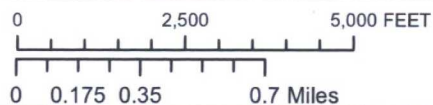
- WELL
- BOTTOMHOLE
- WELLS WITHIN 1 MI.
- 1 MI. BUFFER

WHITE FALCON FEDERAL COM #22H

SEC: 16 TWP: 25 S. RGE: 35 E. ELEVATION: 3246.6

STATE: NEW MEXICO COUNTY: LEA 226' FNL & 1940' FWL

W.O. # 17-270 LEASE: WHITE FALCON FED COM SURVEY: N.M.P.M



1 IN = 2,750 FT

1 MILE MAP

03/17/2017

J.H.

COG OPERATING, LLC



HARCROW SURVEYING, LLC.

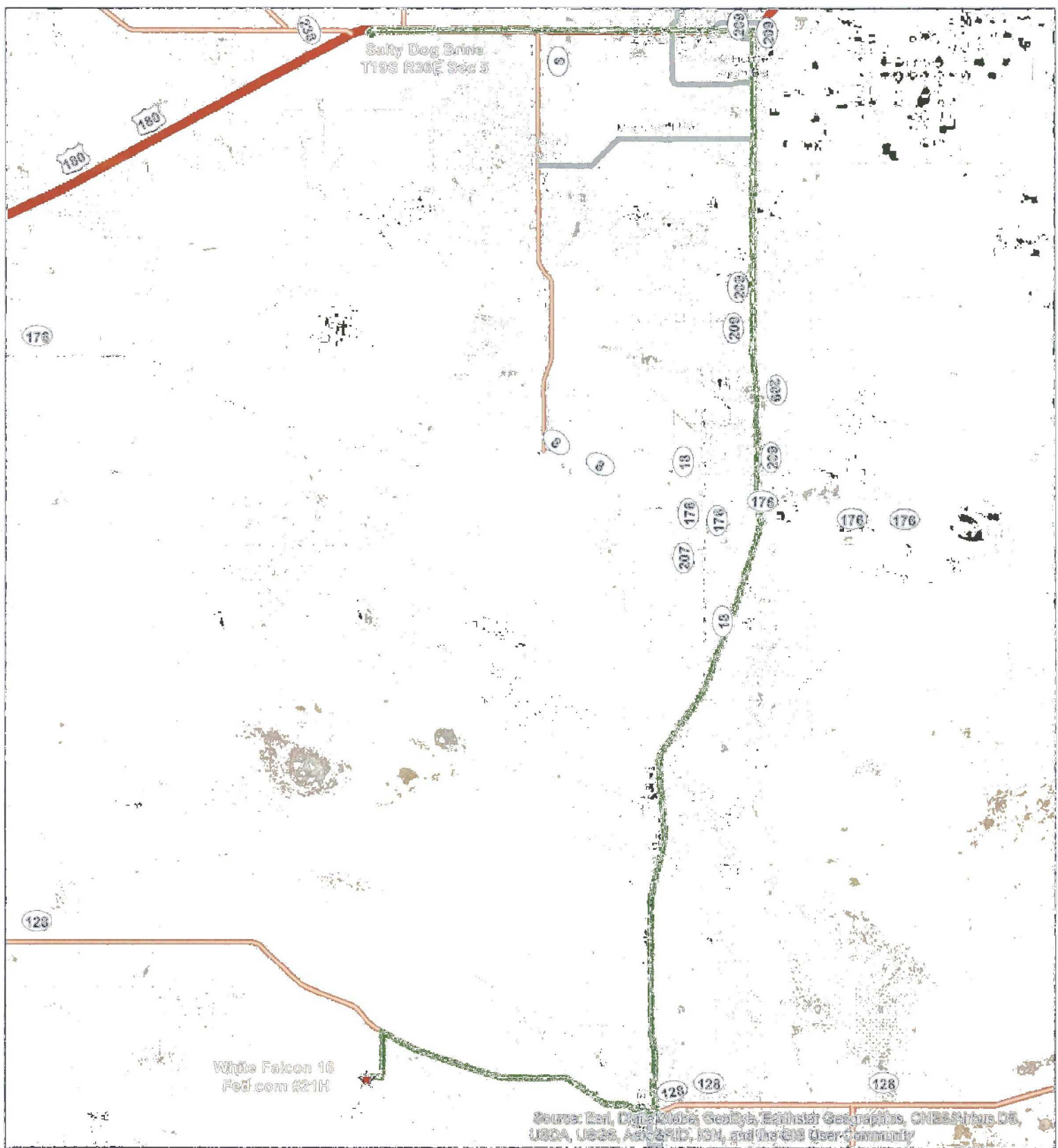
2314 W. MAIN ST, ARTESIA, NM 88210

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

c.harcrow@harcrowsurveying.com

WHITE FALCON 16 FEDERAL COM #22H 1 MILE DATA (17-270)

FID	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	COMPL_STAT
0	SUN OIL CO	ELLIOTT FEDERAL 001	32.11041	-103.361781	3002508686	22	25.0S	35E	660 S		660 W		Plugged
1	ROBERT E. LANDRETH	RAINBOW 16 STATE COM 001	32.128558	-103.370252	3002539719	16	25.0S	35E	1980 S		1980 E		Plugged
2	ROBERT E. LANDRETH	RAINBOW 16 STATE 002	32.135798	-103.378787	3002539720	16	25.0S	35E	660 N		660 W		Plugged
3	ROBERT E. LANDRETH	CACTUS 21 FEDERAL 001	32.121318	-103.366007	3002539756	21	25.0S	35E	660 N		660 E		Active
4	COG OPERATING LLC	COACHMAN FEE 004H	32.122529	-103.379617	3002542508	21	25.0S	35E	210 N		380 W		New (Not drilled or compl)
5	EOG RESOURCES INC	WHEATFIELD 16 STATE 701H	32.136994	-103.371312	3002542520	16	25.0S	35E	230 N		2300 E		New (Not drilled or compl)
6	ENDURANCE RESOURCES LLC	WHITE FALCON 16 STATE 001H	32.136982	-103.379864	3002542757	16	25.0S	35E	230 N		330 W		New (Not drilled or compl)
7	EOG RESOURCES INC	WHEATFIELD 16 STATE 702H	32.136994	-103.371214	3002542787	16	25.0S	35E	230 N		2270 E		New (Not drilled or compl)
8	COG OPERATING LLC	COACHMAN FEE 014H	32.122582	-103.378967	3002543080	21	25.0S	35E	190 N		580 W		New (Not drilled or compl)
9	ENDURANCE RESOURCES LLC	DUO SONIC 29 FEDERAL 002H	32.108115	-103.391713	3002543305	29	25.0S	35E	150 N		1980 W		New (Not drilled or compl)




CONCHO

**White Falcon 16 Fed Com #21H
To Salty Dog Brine**

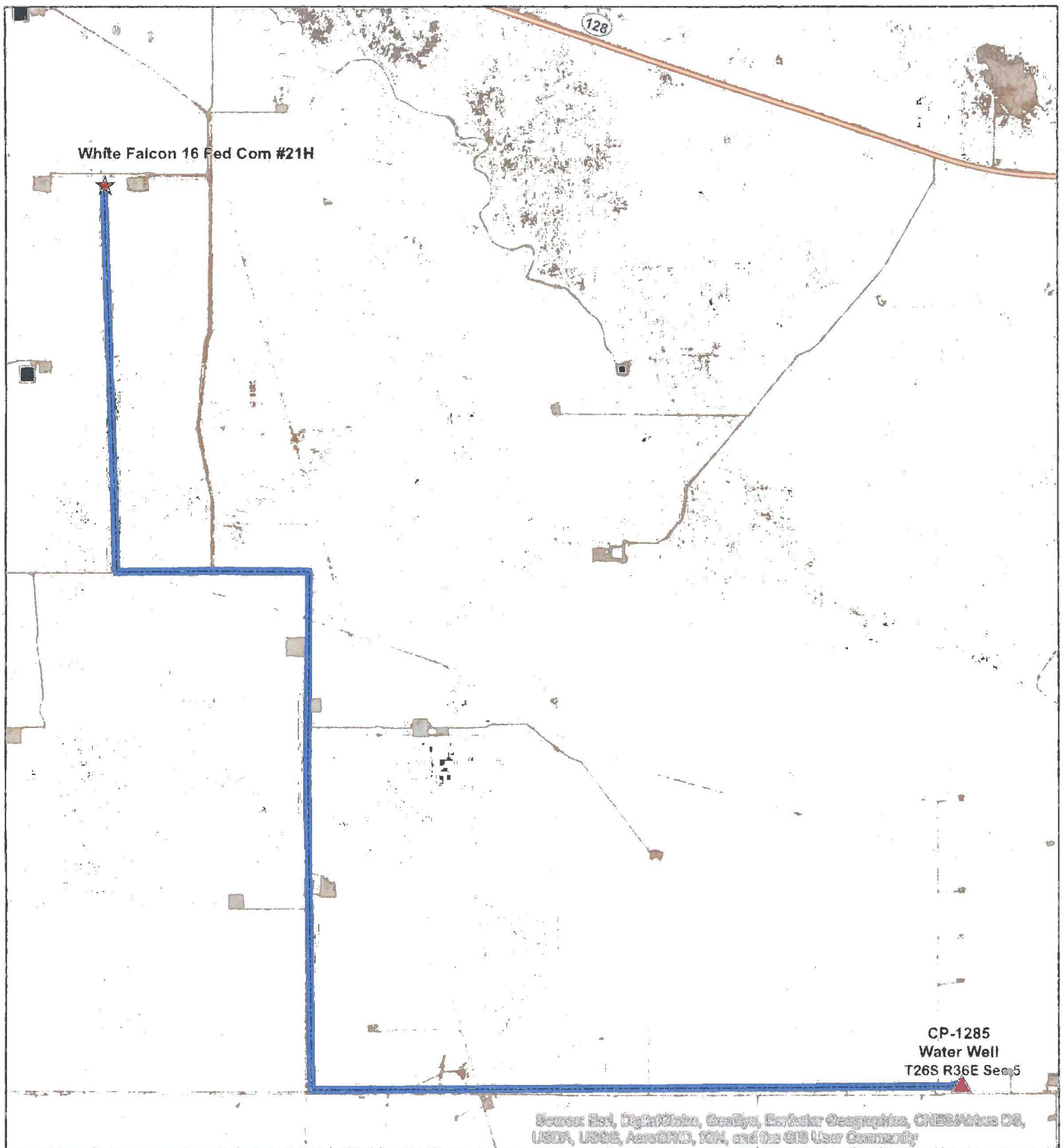
Date: 3/27/2017
Author: Whyte McDonald
State: New Mexico
County: Eddy

© 2017 CONCHO
All rights reserved.
This map is a legal survey document.
Scale: 1:100,000

Map Legend

 Route






CONCHO

White Falcon 16 Fed Com #21H
Water Transfer Route

Date: 3/23/2017
 Author: Whyte McDonald
 State: New Mexico
 County: Eddy
 Disclaimer: This is not a legal survey document.

W.F. Concho Water Transfer Route
 Project: Water Transfer Route
 Date: 3/23/2017
 Author: Whyte McDonald
 State: New Mexico
 County: Eddy
 Disclaimer: This is not a legal survey document.

Map Legend

 Route



0 0.3 0.6 1.2 1.8 2.4 Miles