

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-8161 Fax: (575) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 746-1283 Fax: (575) 746-9720

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) 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

JAN 28 2016

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-25-43050	Pool Code 51683	Pool Name Red Tank; Bone Spring
Property Code	Property Name AIRBONITA 12 FEDERAL	Well Number 12H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3679.1

Surface Location

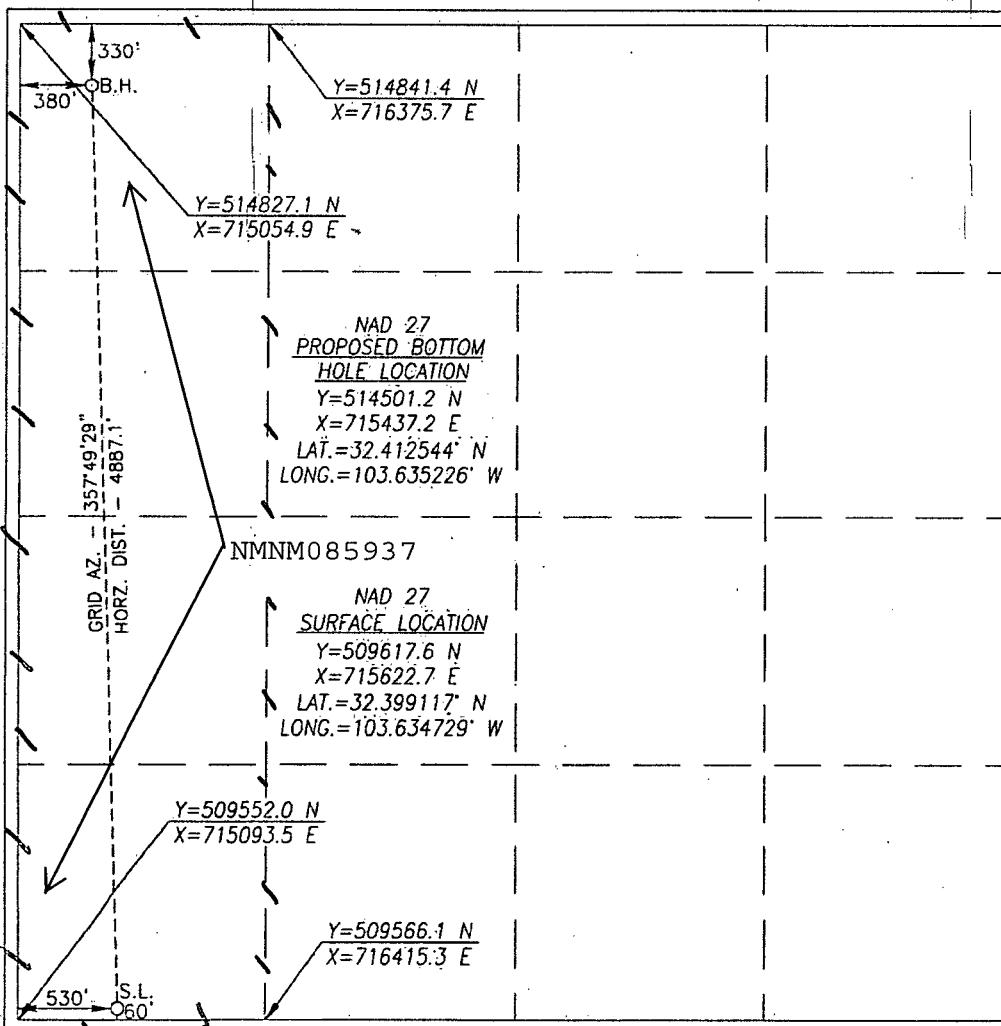
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	12	22-S	32-E		60	SOUTH	530	WEST	LEA

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	12	22-S	32-E		330	NORTH	380	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: 5/6/15

Printed Name: Melanie J Wilson

E-mail Address: mwilson@concho.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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: JULY 2, 2014

Signature & Seal of Professional Surveyor

Signature & Seal of Professional Surveyor



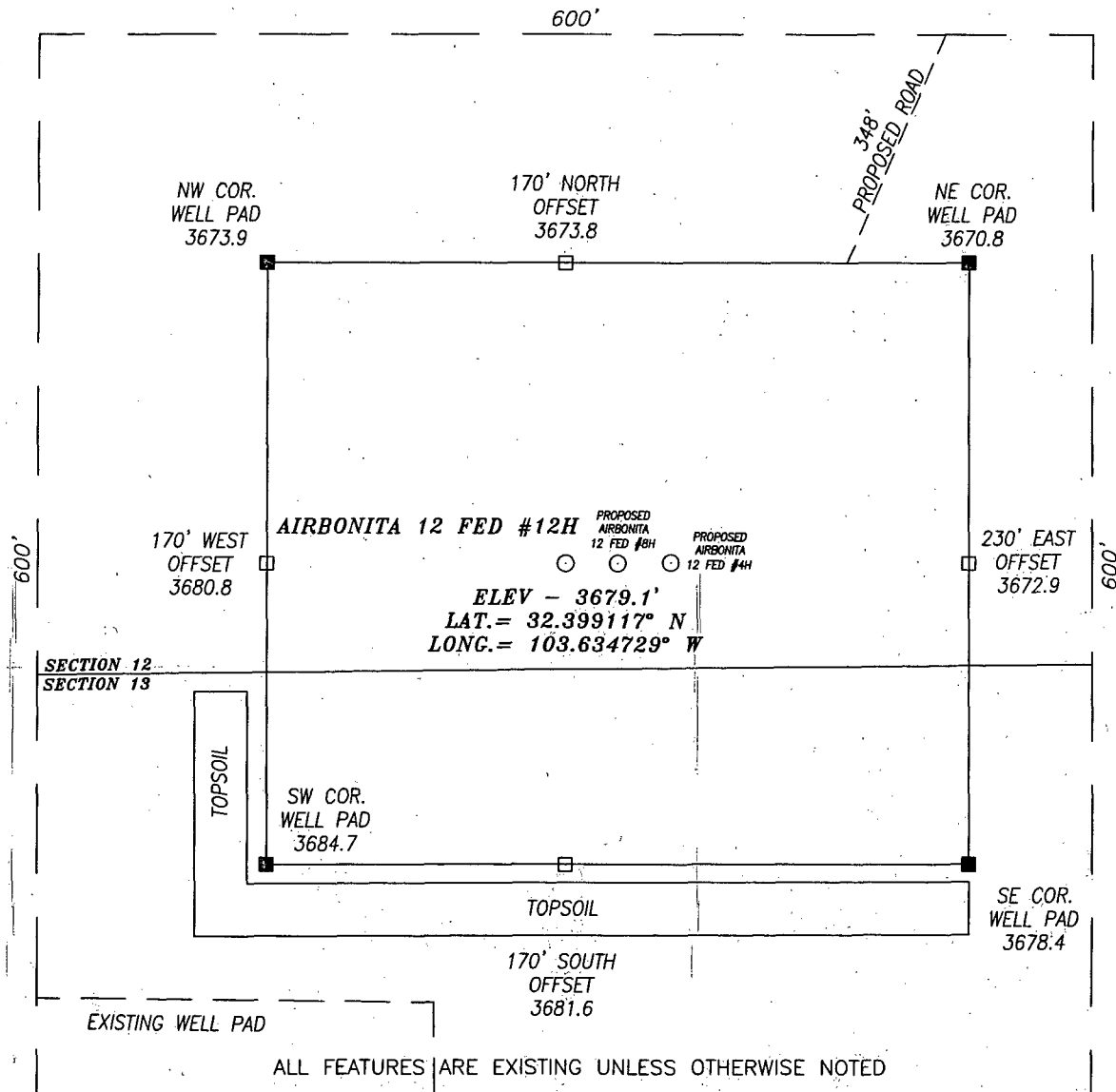
Certificate No. CHAD HARCROW 17777
W.O. # 14-546 DRAWN BY: AM

FEB 01 2016

SECTION 12, TOWNSHIP 22 SOUTH, RANGE 32 EAST, N.M.P.M.,

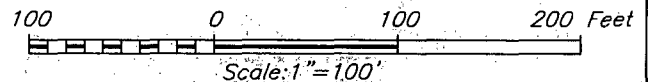
LEA COUNTY

NEW MEXICO



DIRECTIONS TO LOCATION

HEADING EAST ON HWY 176 TURN RIGHT (SOUTH) APPROX. 0.4 MILE PAST MILE MARKER 6 ONTO A CALICHE LEASE ROAD AND GO APPROX. 0.6 MILE; THEN TURN RIGHT (SOUTHWEST) AND GO APPROX. 1.6 MILE; THEN TURN LEFT (SOUTHEAST) AND FOLLOW MEANDERING ROAD FOR APPROX. 0.8 MILE; THEN TURN LEFT (SOUTHEAST) AND STAY ON MEANDERING ROAD FOR APPROX. 1.3 MILE; THEN TURN RIGHT (SOUTH) AND GO APPROX. 5.9 MILES; THEN TURN RIGHT (WEST) AND GO APPROX. 0.85 MILE; THEN TURN LEFT (SOUTH) AND GO APPROX. 0.5 MILE; THEN PROPOSED WELL IS APPROX. 590 FEET SOUTHWEST.



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

AIRBONITA 12 FED #12H WELL
 LOCATED 60 FEET FROM THE SOUTH LINE
 AND 530 FEET FROM THE WEST LINE OF SECTION 12,
 TOWNSHIP 22 SOUTH, RANGE 32 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO

SURVEY DATE: 7/2/2014

PAGE: 1 OF 1

DRAFTING DATE: 7/8/2014

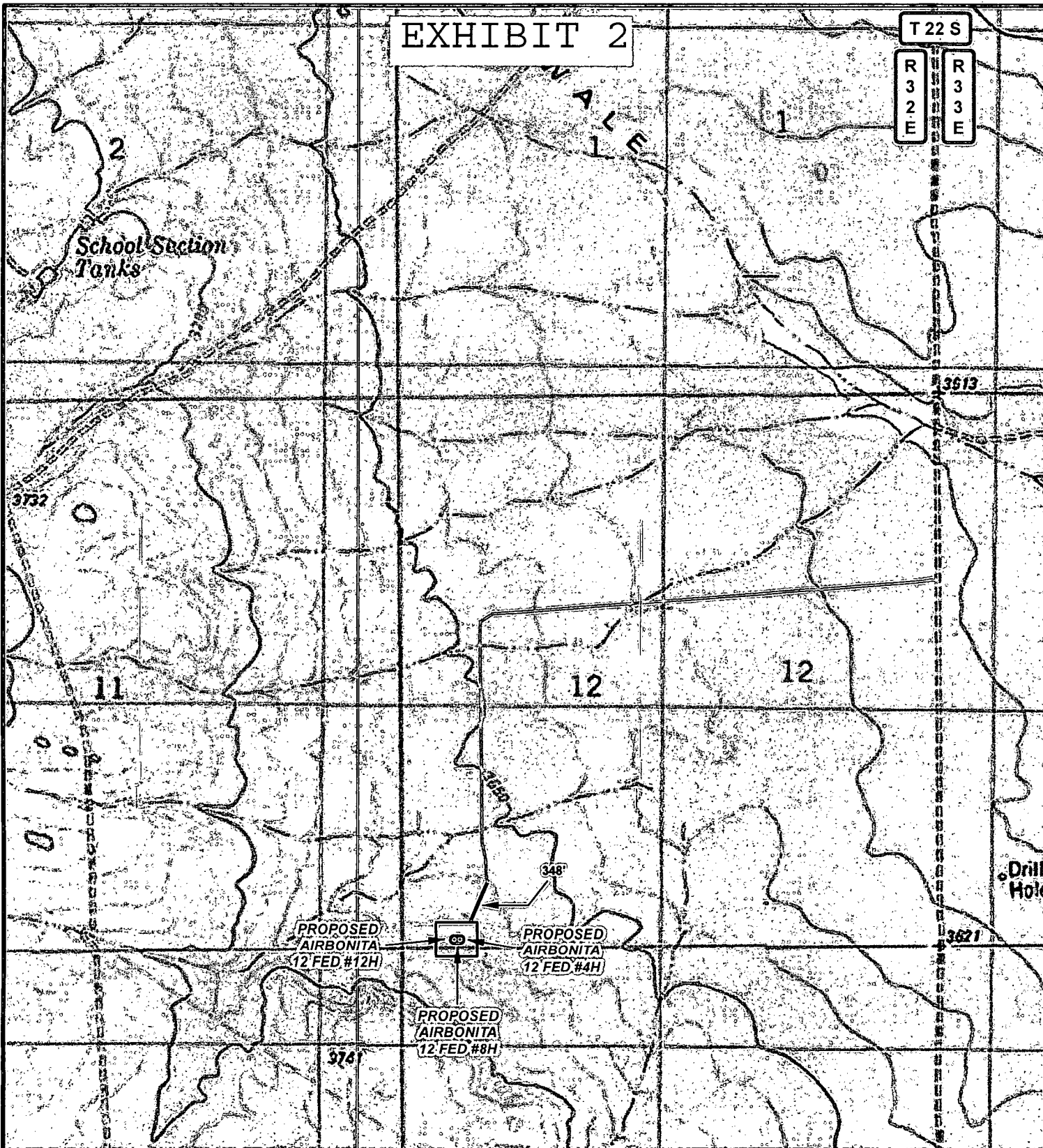
APPROVED BY: CH

DRAWN BY: AM

FILE: 14-546

EXHIBIT 2

T 22 S
R 32 E
R 33 E



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

AIRBONITA 12 FED #4H, #8H, #12H PROP. RD.

SECTION: 12 TOWNSHIP: 22 S. RANGE: 32 E.
STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
W.O. # 14-544, 545, 546 LEASE: AIRBONITA 12 FED

0 2,500 FEET

0 0.075 0.15 0.3 Miles

1 IN = 1,250 FT

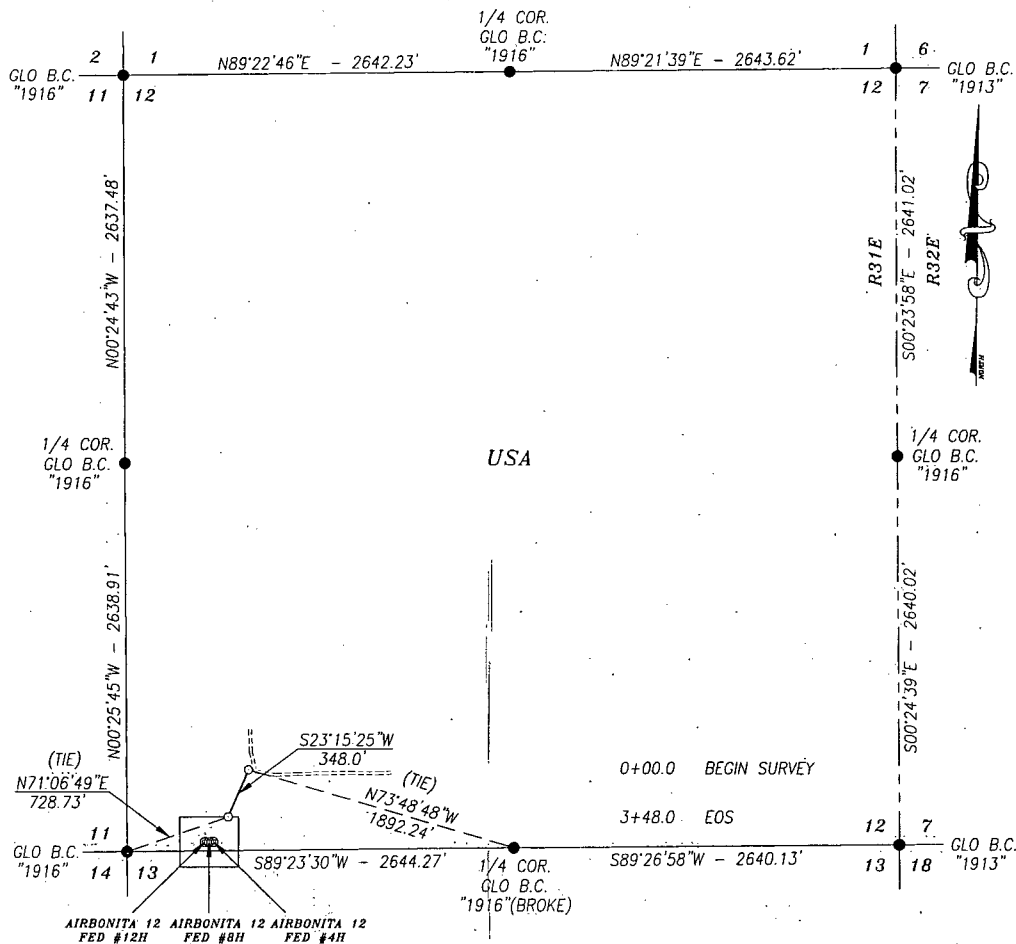
ROAD MAP TOPO 07/10/2014 S.P.

CONCHO
COG OPERATING, LLC

HARCROW SURVEYING, LLC.
2314 W. MAIN ST, ARTESIA, NM 88210
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chad_harcrow77@yahoo.com

EXHIBIT 2A

SECTION 12, TOWNSHIP 22 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 348.0 FEET OR 21.09 RODS OR 0.066 MILES IN LENGTH CROSSING USA LAND IN SECTION 12, TOWNSHIP 22 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 SURFACE 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 MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



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

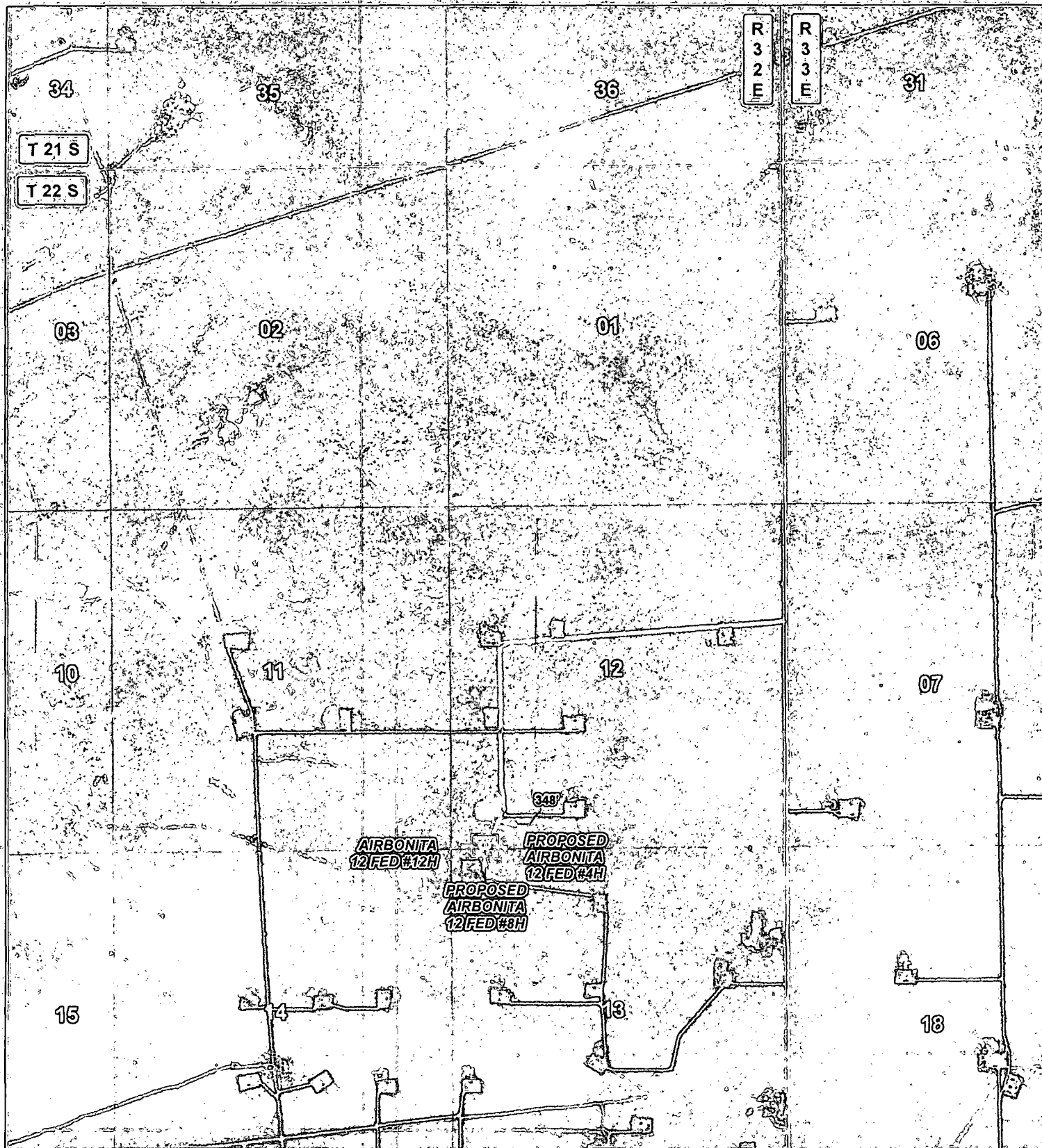
9/25/14
DATE

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

COG OPERATING, LLC

SURVEY OF A PROPOSED ROAD LOCATED IN SECTION 12, TOWNSHIP 22 SOUTH, RANGE 32 EAST, LEA COUNTY, N.M.P.M., NEW MEXICO

SURVEY DATE: JULY 2, 2014	ROAD 1
DRAFTING DATE: SEPTEMBER 24, 2014	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: SP
FILE: 14-B43	



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

AIRBONITA 12 FED #12H

SEC: 12 TWP: 22 S. RGE: 32 E. ELEVATION: 3679.1'

STATE: NEW MEXICO COUNTY: LEA 60' FSL & 530' FWL

W.O. # 14-546 LEASE: AIRBONITA 12 FED SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.125 0.25 0.5 Miles

1 IN = 2,000 FT

LOCATION MAP

IMAGERY

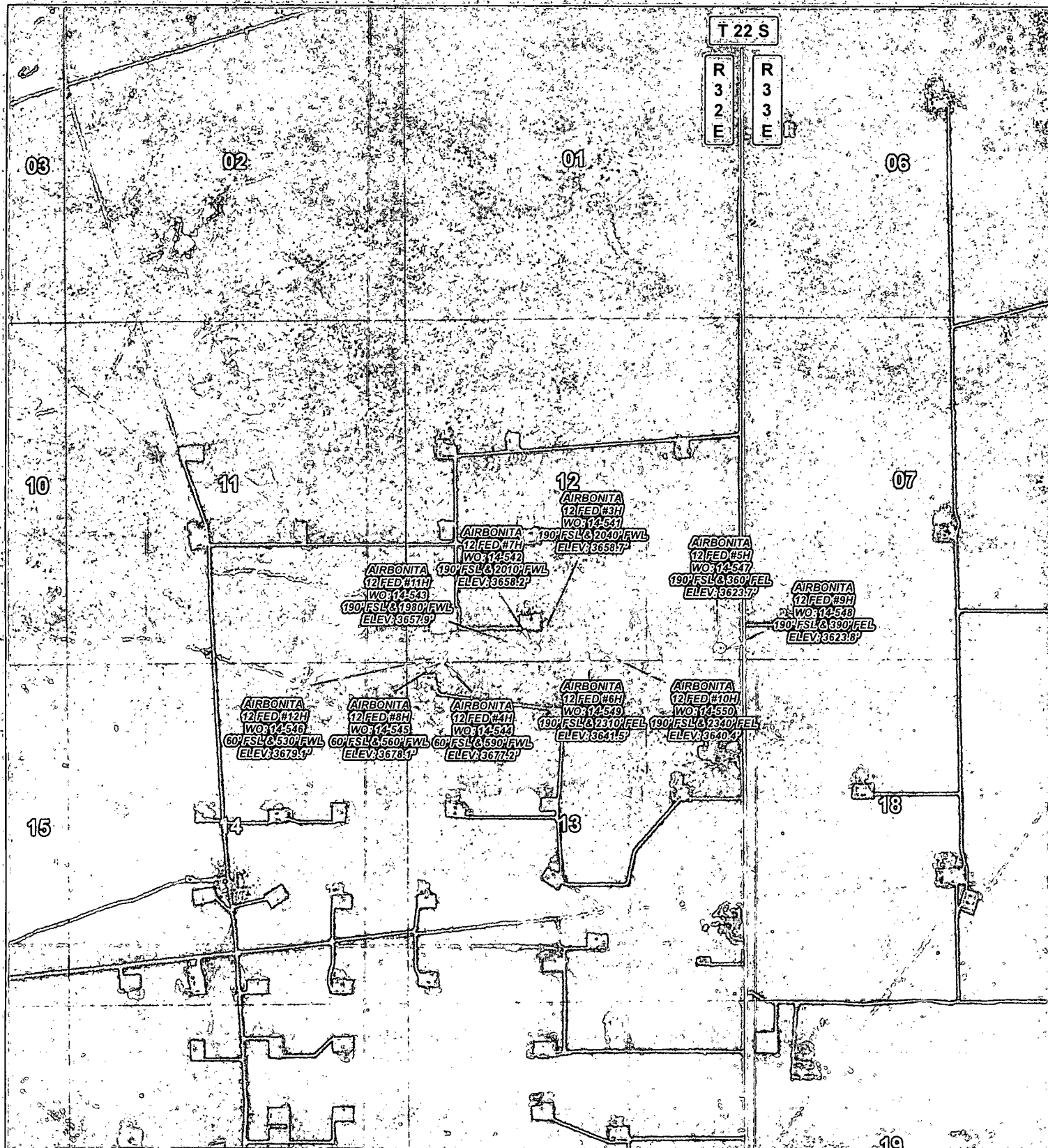
07/10/2014

SP.

CONCHO
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LEGEND

○ WELL

AIRBONITA WELL GROUP

SEC: 12 TWP: 22 S. RGE: 32 E. ELEVATION: SEE MAP

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

W.O. # 14-541 THRU. 14-550

LEASE: AIRBONITA 12 FED

0 2,500 5,000 FEET

0 0.125 0.25 0.5 Miles

1 IN = 2,000 FT

LOCATION OVERVIEW

IMAGERY

07/07/2014

S.P.



COG OPERATING, LLC

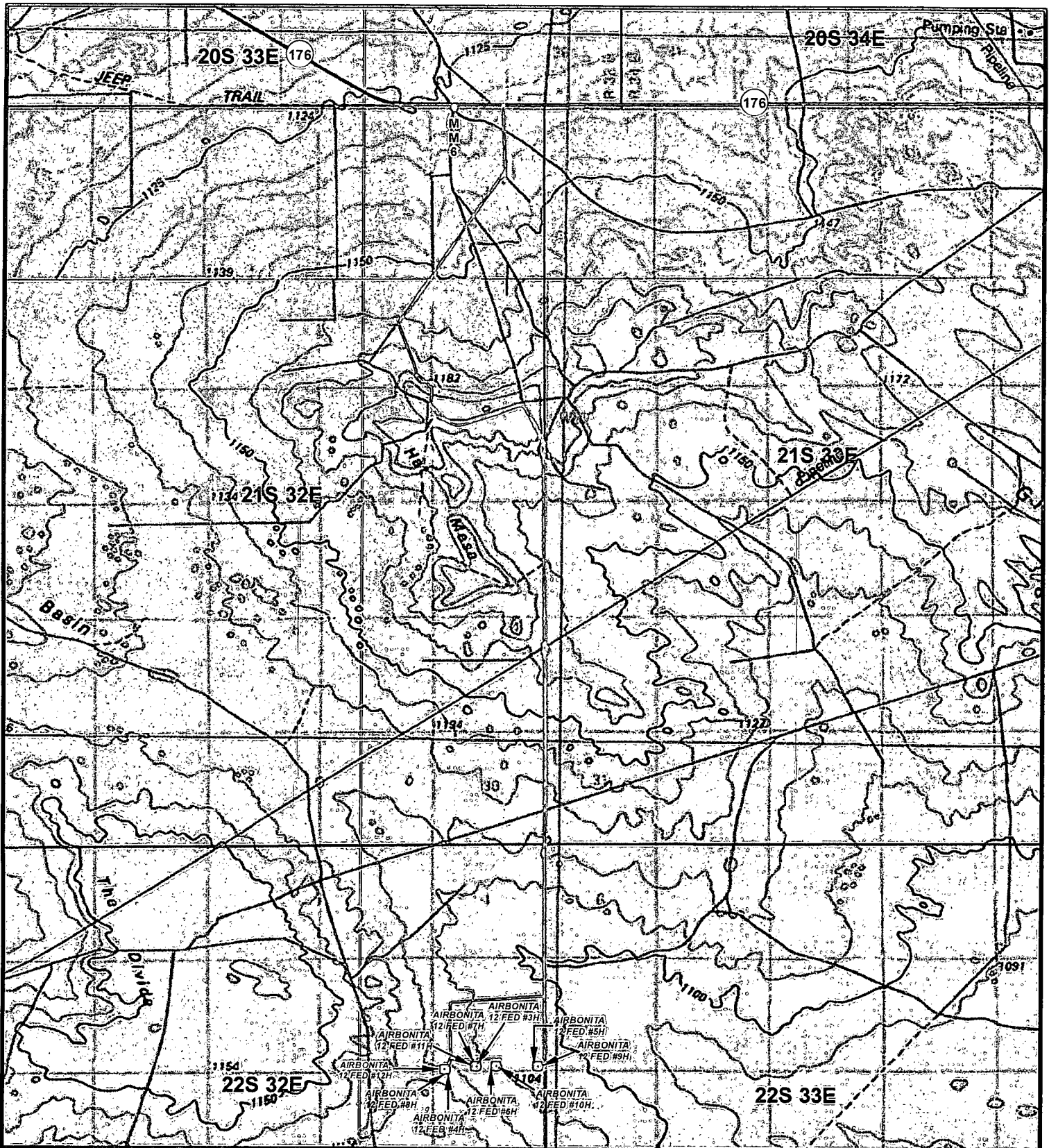


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LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

AIRBONITA WELL GROUP ROAD MAP

SECTION: 12 TOWNSHIP: 22 S. RANGE: 32 E.

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

W.O. # 14-541 THRU. 14-550 LEASE: AIRBONITA 12 FED

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

ROAD MAP

TOPO

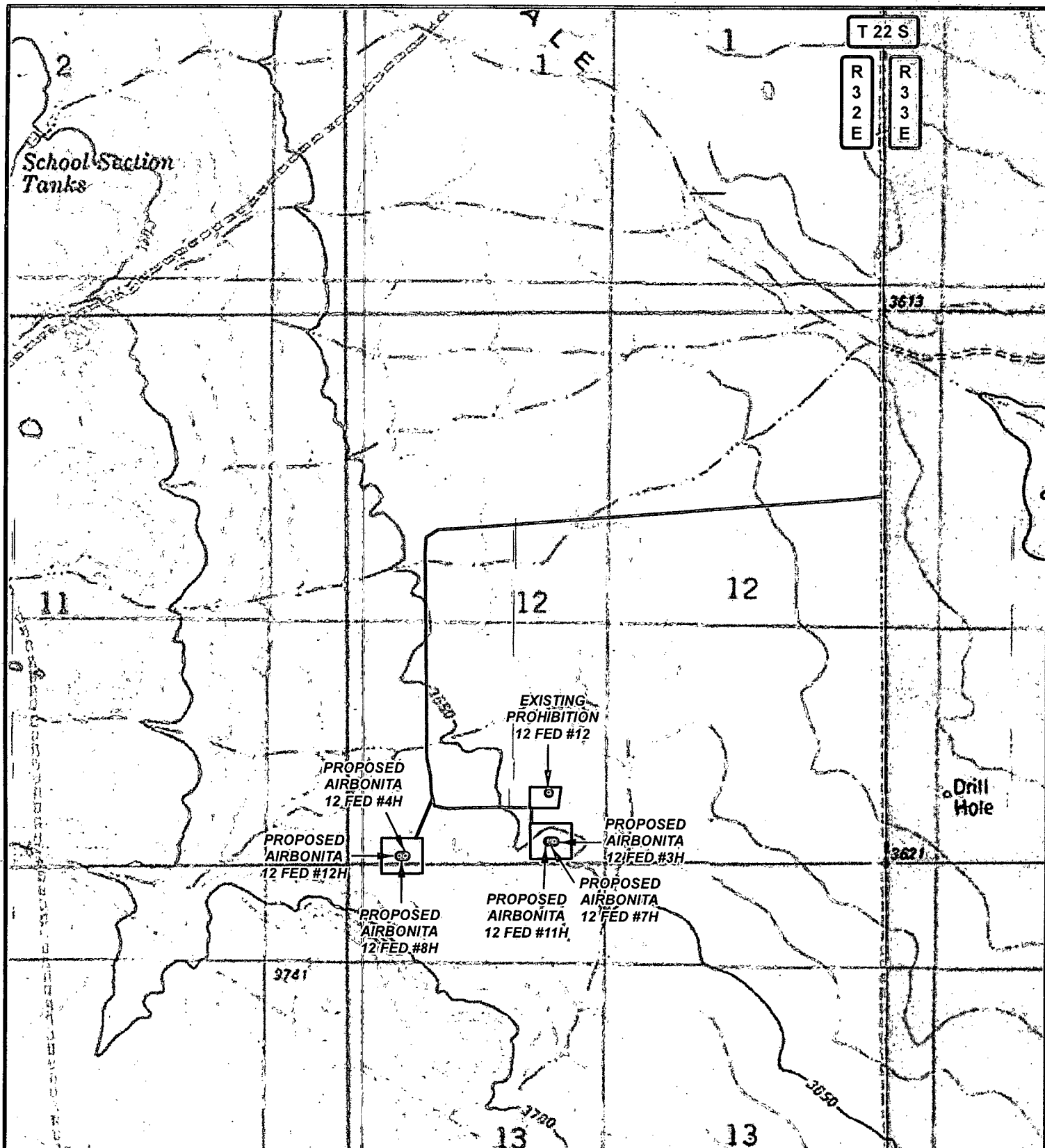
07/16/2014

SP.

CONCHO
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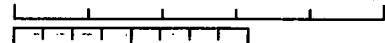
LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD
- PRIVATE
- STATE OF NM
- US BLM

AIRBONITA 12 FED ROADS

SECTION: 12 TOWNSHIP: 22 S. RANGE: 32 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M
 W.O. # 14-843 LEASE: AIRBONITA 12 FED

0 2,500 FEET



0 0.075 0.15 0.3 Miles

1 IN = 1,250 FT

ROAD OVERVIEW MAP

LAND STATUS

09/25/2014

S.P.



COG OPERATING, LLC

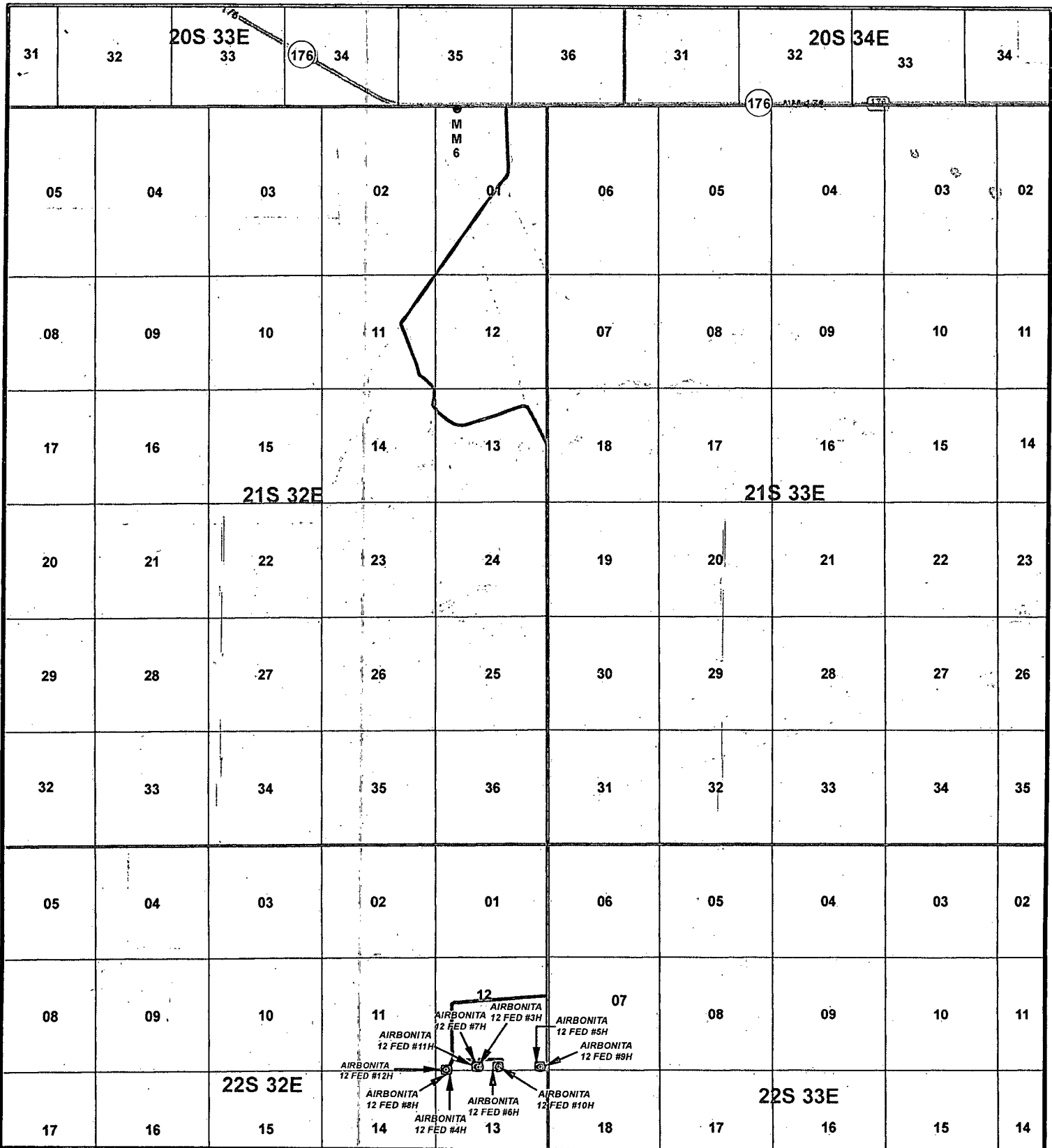


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LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

AIRBONITA WELL GROUP: ROAD MAP

SECTION: 12 TOWNSHIP: 22 S. RANGE: 32 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M
 W.O. # 14-541 THRU. 14-550 LEASE: AIRBONITA 12 FED

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

ROAD MAP

WORLD STREET

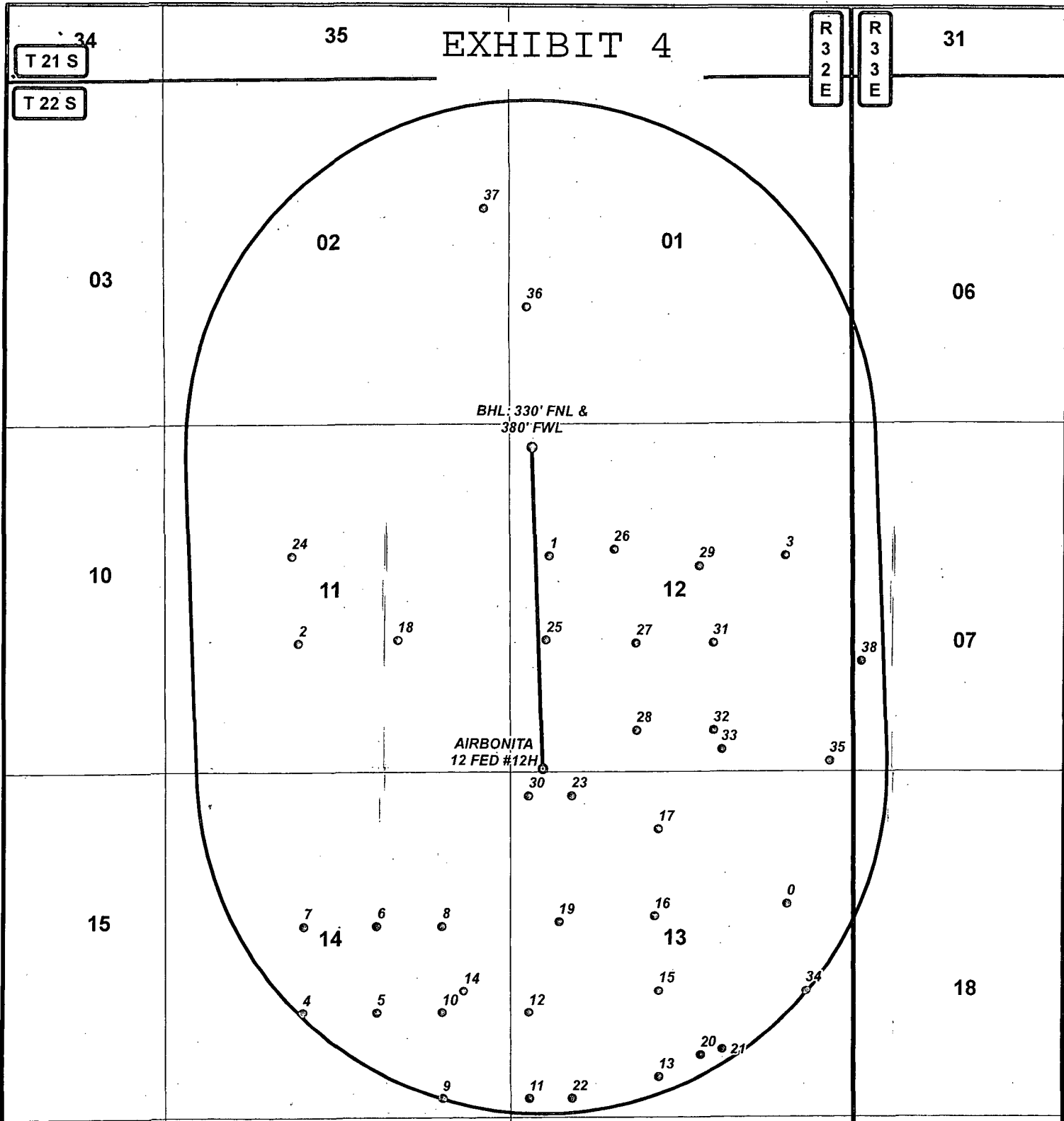
07/16/2014

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DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH MAY 15, 2014.

LEGEND

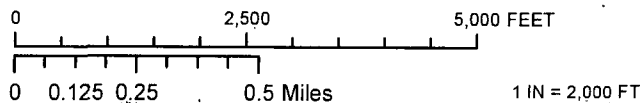
- WELL
- BOTTOMHOLE
- WELLS WITHIN 1 MI.
- 1 MI. BUFFER

AIRBONITA 12 FED #8H

SEC: 12 TWP: 22 S. RGE: 32 E. ELEVATION: 3679.1'

STATE: NEW MEXICO COUNTY: LEA 60' FSL & 530' FWL

W.O. # 14-546 LEASE: AIRBONITA 12 FED SURVEY: N.M.P.M



1 MILE MAP

07/10/2014

S.P.



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