

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-8181 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 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

☐ AMENDED REPORT

FEB 08 2016

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-43062	Pool Code 51683	Pool Name Red Tank; Bone Spring
Property Code 38682	Property Name AIRBONITA 12 FEDERAL	Well Number 4H
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3677.2

Surface Location

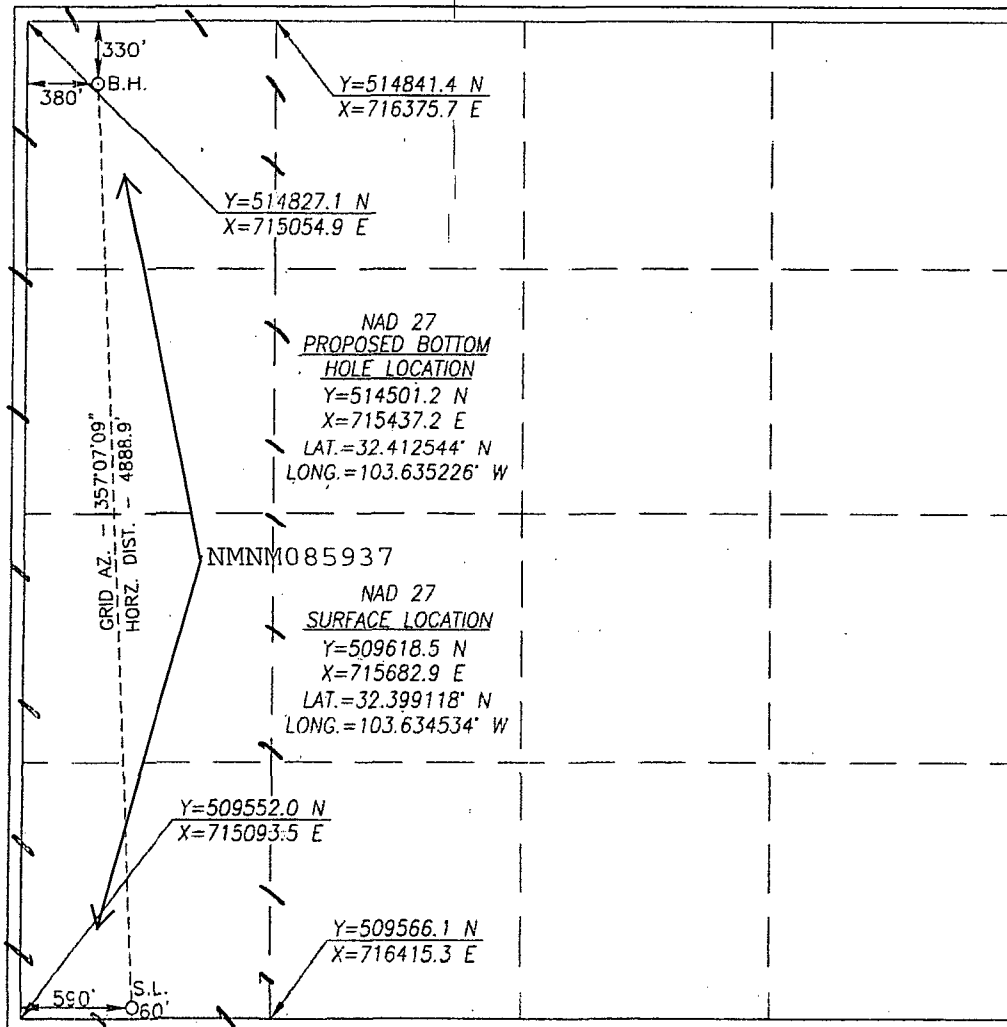
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	12	22-S	32-E		60	SOUTH	590	WEST	LEA

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 160	Joint or Infill	Consolidation Code	Order No.
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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.

Melanie J Wilson 5/15
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.

JULY 2, 2014

Date of Survey

Signature & Seal of Professional Surveyor



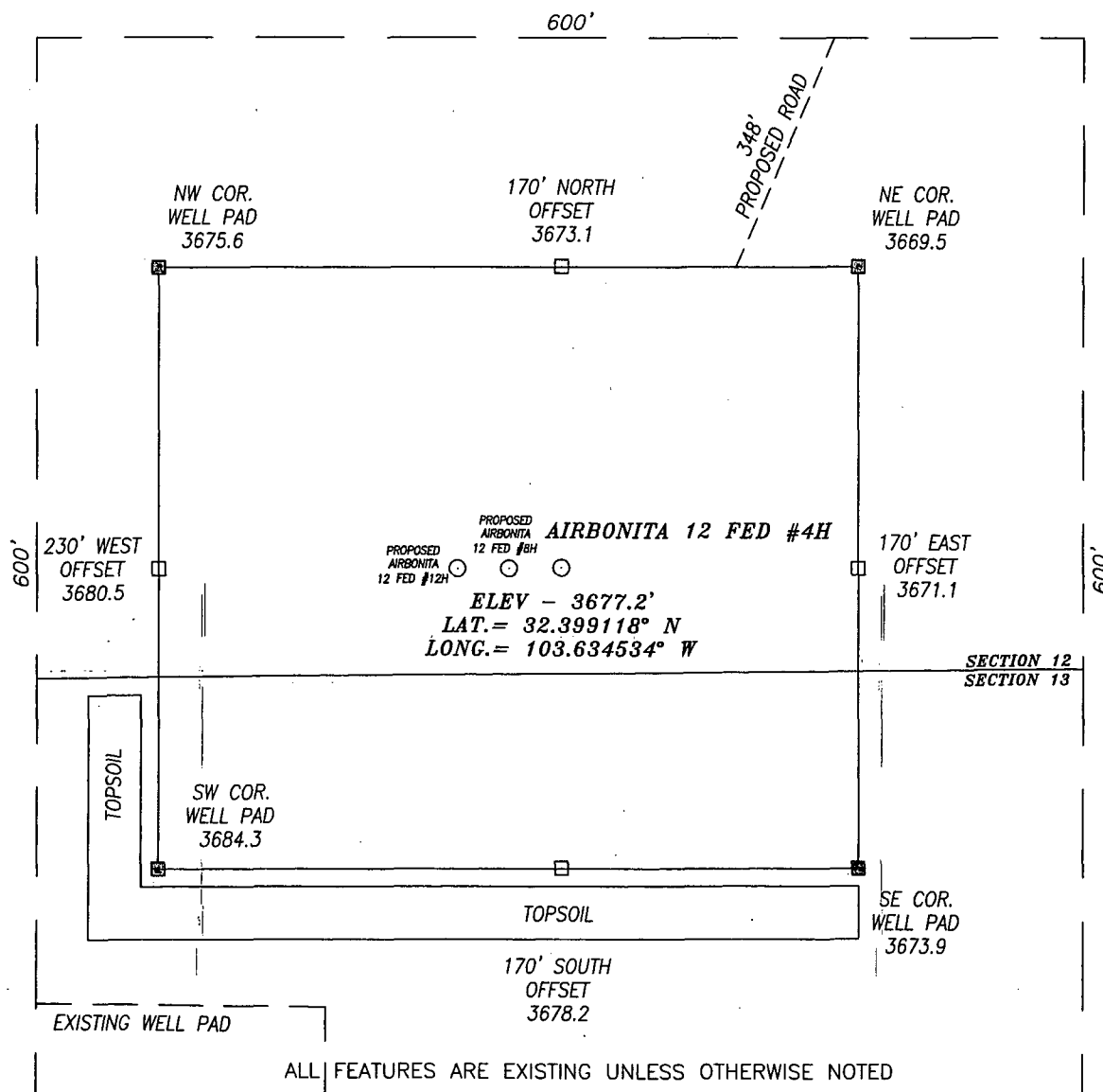
Chad L. Harcrow 7/22/14
Certificate No. CHAD HARCROW 17777
W.O. # 14-544 DRAWN BY: AM

FEB 11 2016

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

LEA COUNTY

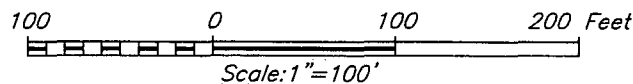
NEW MEXICO



SECTION 12
SECTION 13

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. 555 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 #4H WELL
LOCATED 60 FEET FROM THE SOUTH LINE
AND 590 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: 14-544

EXHIBIT 2

T 22 S

R 3 2 E

R 3 3 E

School Section Tanks

Drill Hole

PROPOSED AIRBONITA 12 FED #12H

PROPOSED AIRBONITA 12 FED #4H

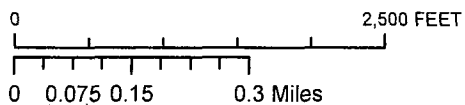
PROPOSED AIRBONITA 12 FED #8H

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



1 IN = 1,250 FT

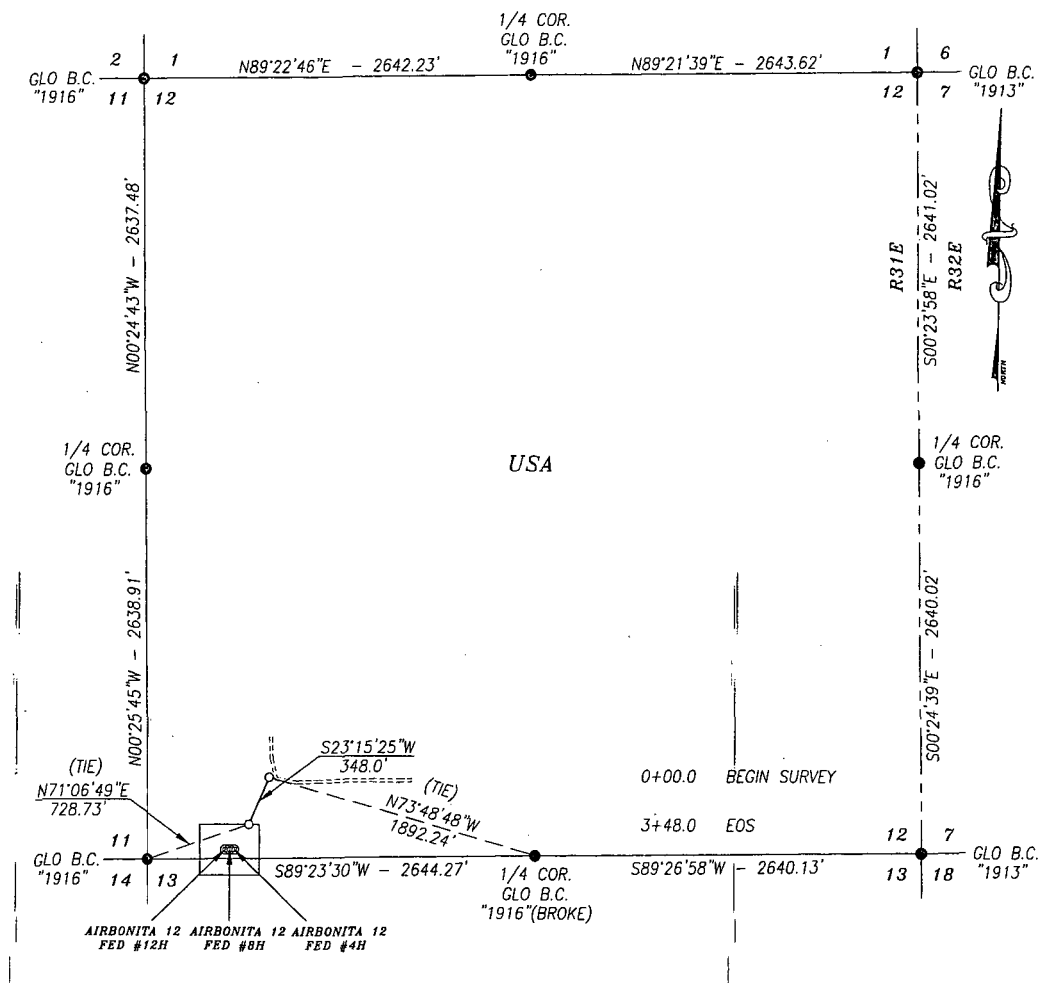
ROAD MAP TOPO 07/10/2014 SP.

CONCHO
COG OPERATING, LLC

HARCROW SURVEYING, LLC.
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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.

HARCROW SURVEYING, LLC

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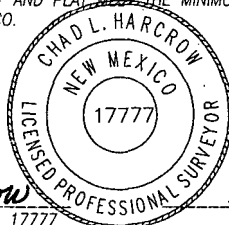
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chad_harcrow77@yahoo.com



CERTIFICATION

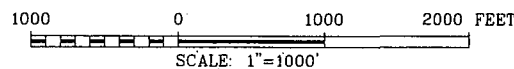
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



Chad Harcrow

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

9/25/14
DATE



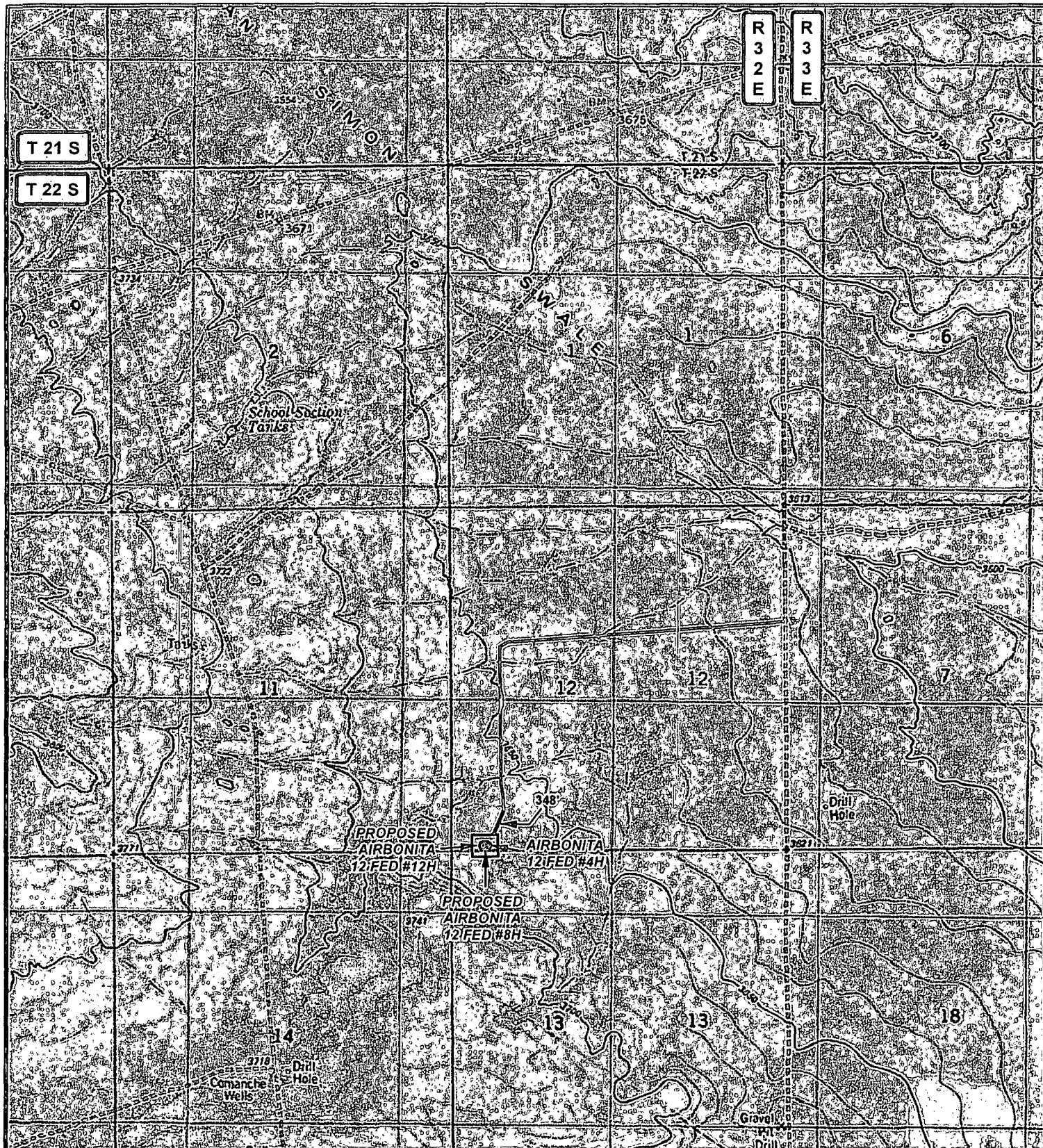
COG OPERATING, LLC

SURVEY OF A PROPOSED ROAD LOCATED IN SECTION 12, TOWNSHIP 22 SOUTH, RANGE 32 EAST, LEA COUNTY, NMPM, 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: 14-843



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

AIRBONITA 12-FED #4H			
SEC: 12	TWP: 22 S.	RGE: 32 E.	ELEVATION: 3677.2'
STATE: NEW MEXICO		COUNTY: LEA	60' FSL & 590' FWL
W.O. # 14-544		LEASE: AIRBONITA 12 FED	SURVEY: N.M.P.M
1 IN = 2,000 FT			
LOCATION MAP TPOPO 07/10/2014 ST			

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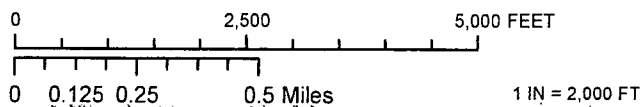


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

AIRBONITA 12 FED #4H

SEC. 12 TWP. 22 S. RGE. 32 E. ELEVATION: 3677'±
 STATE: NEW MEXICO COUNTY: LEA 60' FSL & 590' FWL
 W.O. # 14-544 LEASE: AIRBONITA 12 FED SURVEY: N.M.P.M



LOCATION MAP

IMAGERY

07/10/2014

S.P.



COG OPERATING, LLC



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 chad_harcrow77@yahoo.com



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 0.05 0.1 0.2 Miles

1 IN = 1,000 FT

ROAD MAP

IMAGERY

07/10/2014

S.P.



COG OPERATING, LLC

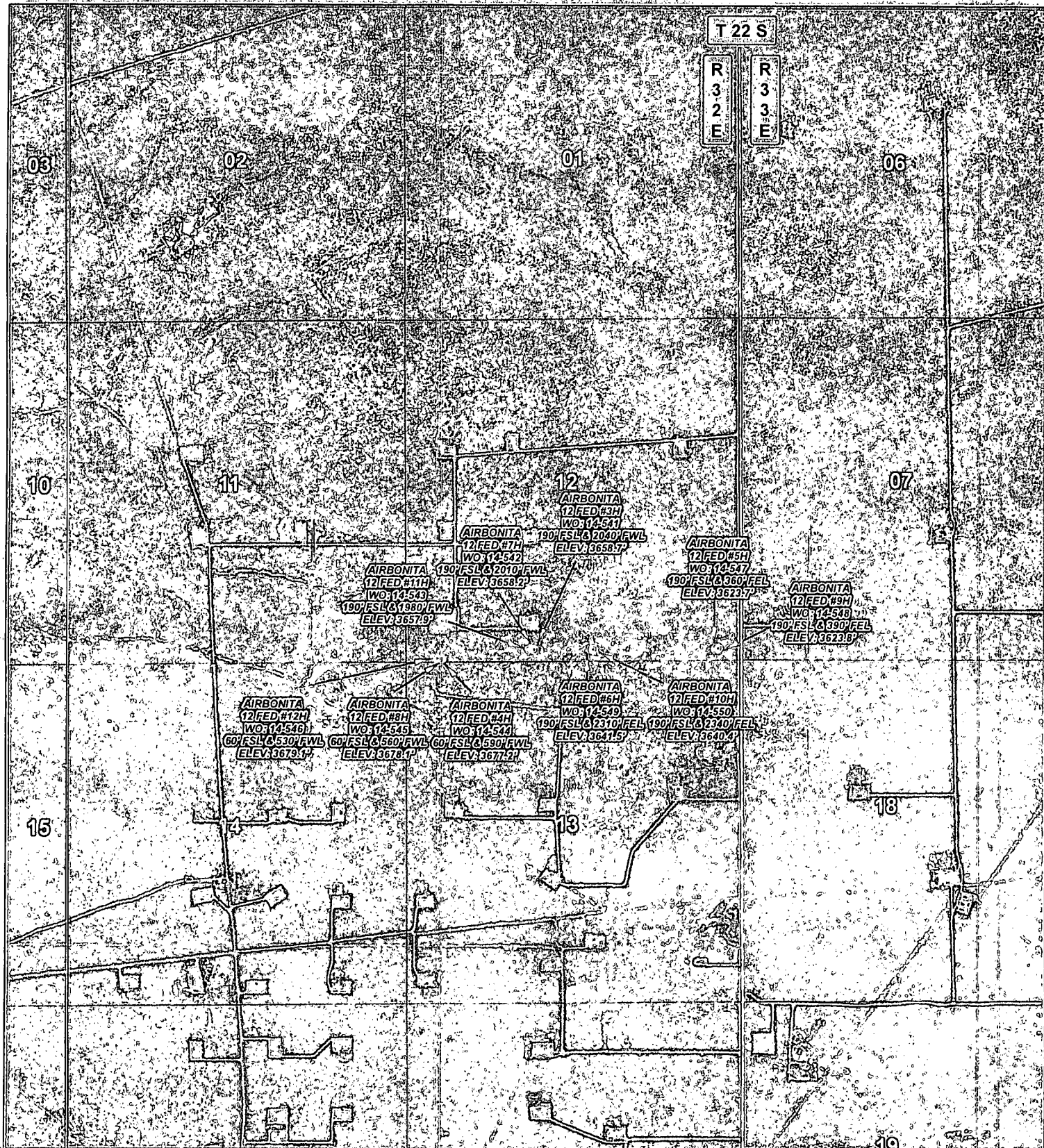


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LEGEND

 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

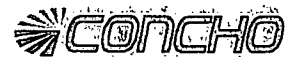
1 IN = 2,000 FT

CATION OVERVIEW

IMAGERY

07/07/2014

SP



COG OPERATING, LLC

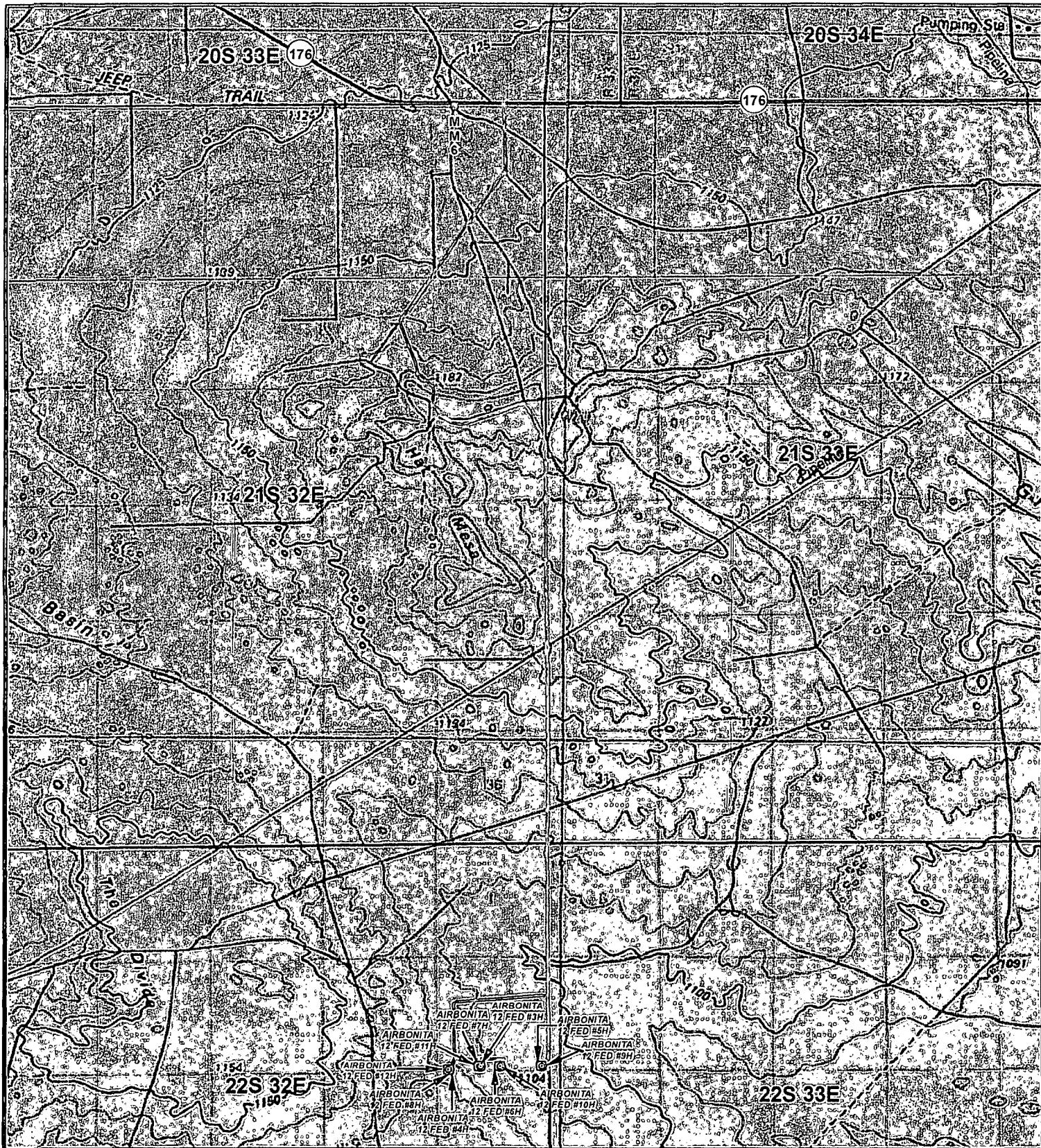


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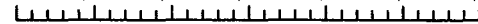
LEGEND

- 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 07/16/2011 S.P.



COG OPERATING, LLC

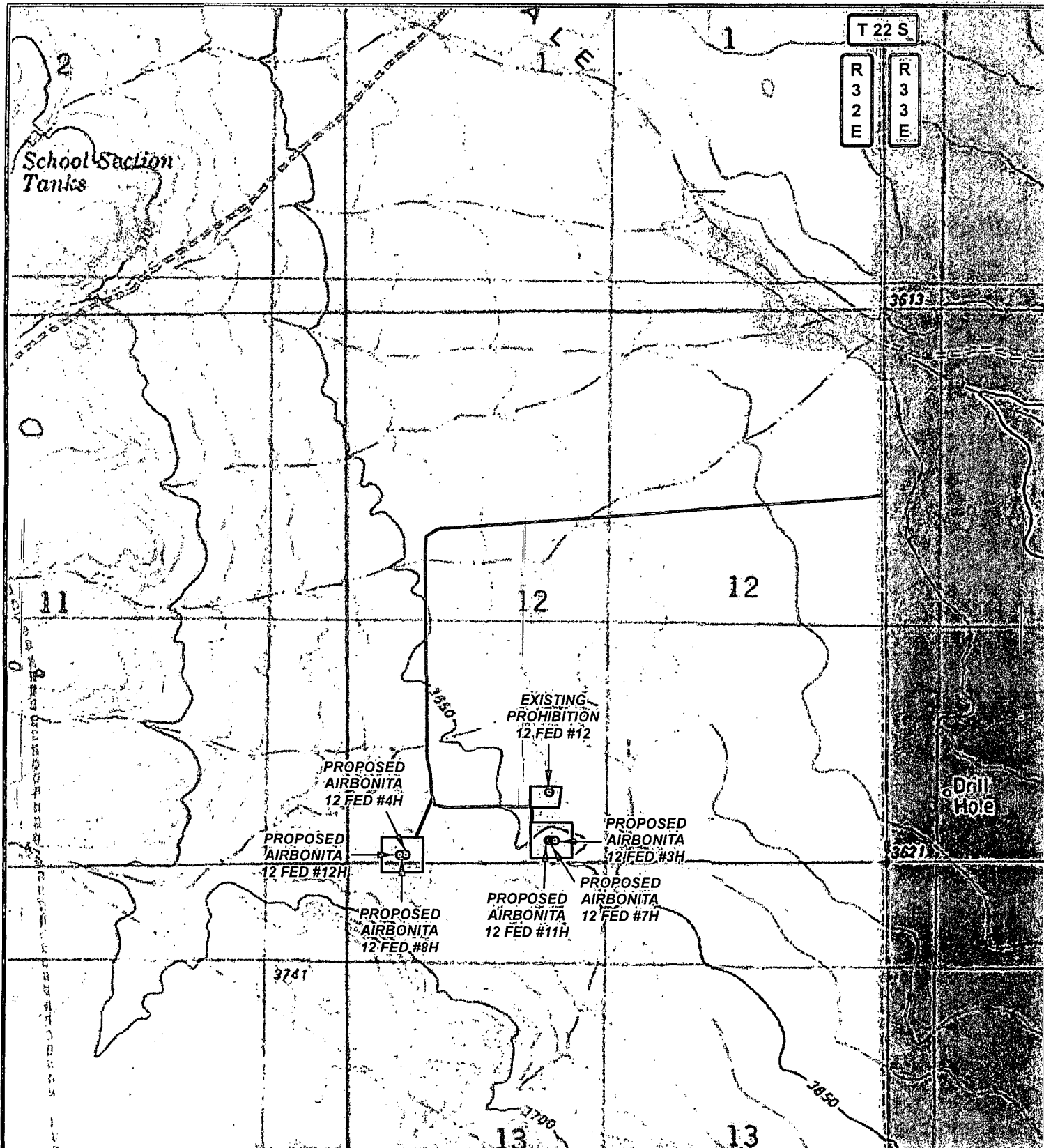


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LEGEND

- 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 SP

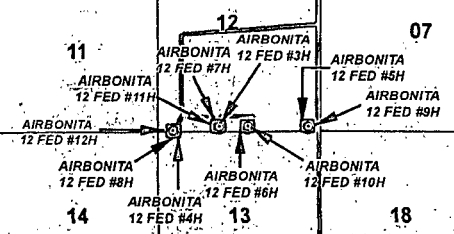
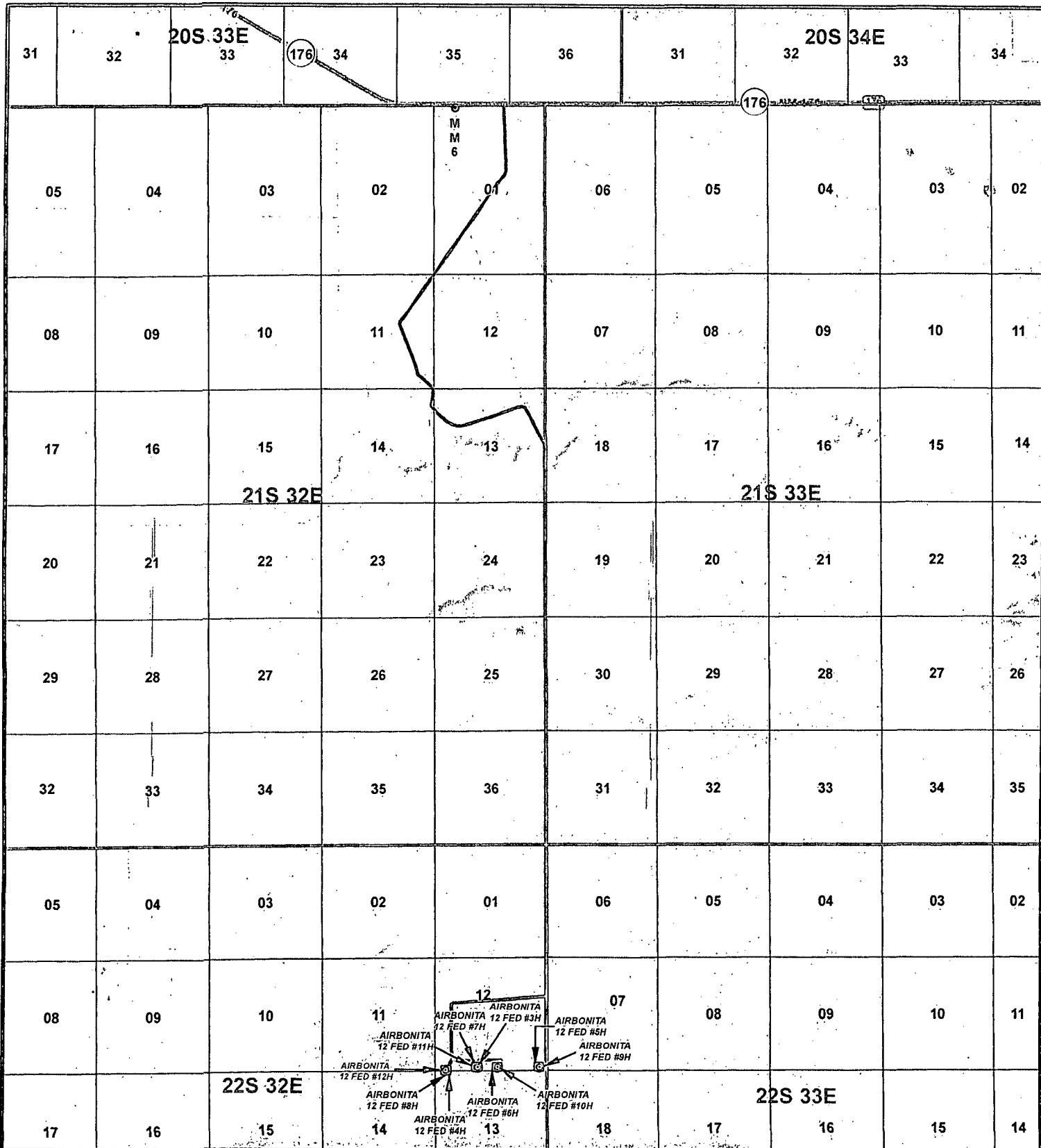


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 chad_harcrow77@yahoo.com



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 SP



CONCHO

COG OPERATING, LLC



HARCROW SURVEYING, LLC.

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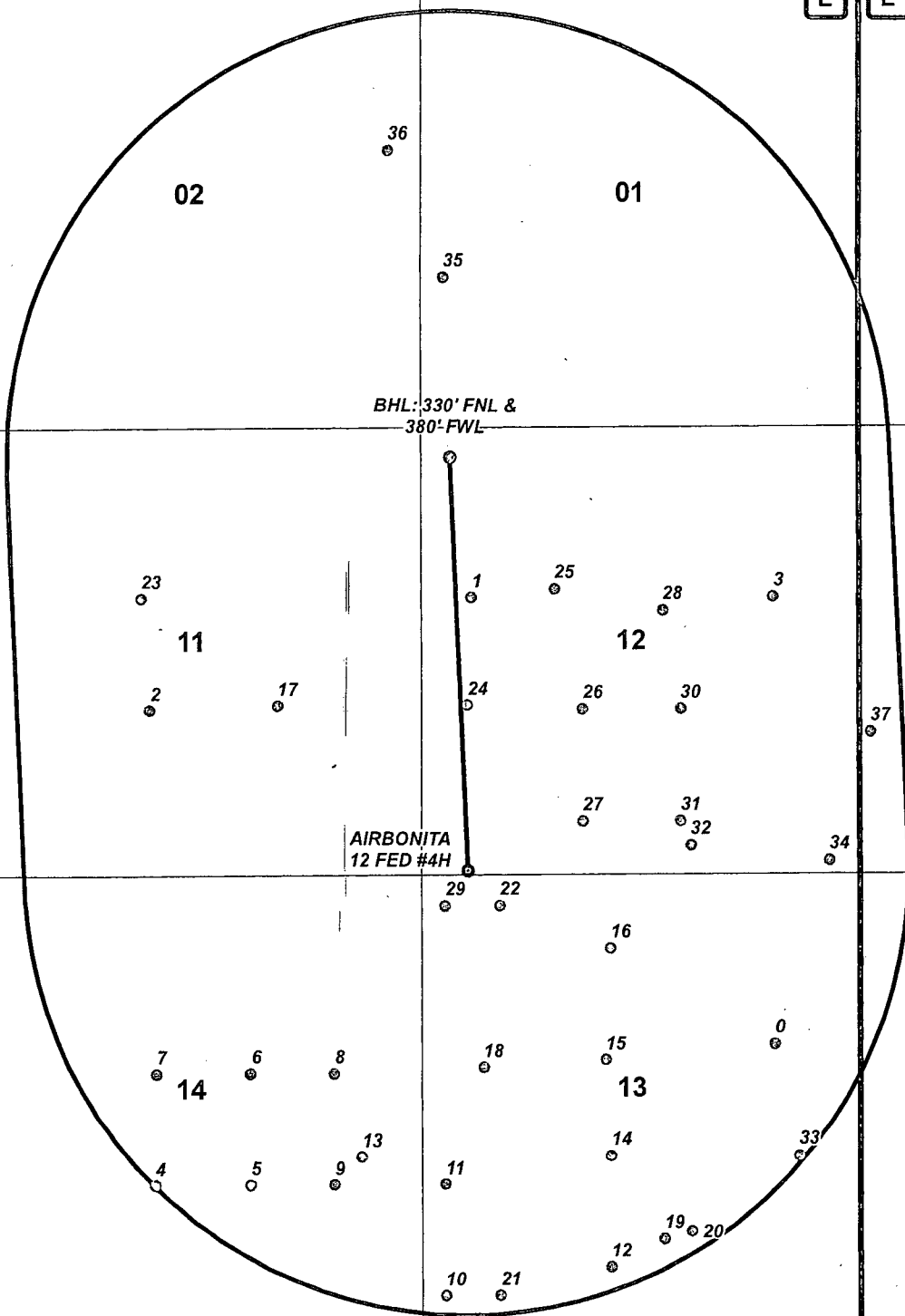
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EXHIBIT 4

T 21 S
T 22 S

R 3 2 E
R 3 3 E



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 #4H			
SEC: 12	TWP: 22 S.	RGE: 32 E.	ELEVATION: 3677.2'
STATE: NEW MEXICO		COUNTY: LEA	60' FSL & 590' FWL
W.O. # 14-544		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

1 MILE MAP 07/10/2014

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