

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) 746-1283 Fax: (575) 746-0720

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
Phone: (505) 334-6176 Fax: (505) 334-6170

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3480 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

**HOBBS OCD**  
**FEB 8 2016**  
**RECEIVED**

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-025- <b>43061</b>	Pool Code 51683	Pool Name Red Tank; Bone Spring
Property Code <b>38682</b>	Property Name AIRBONITA 12 FEDERAL	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3658.7

**Surface Location**

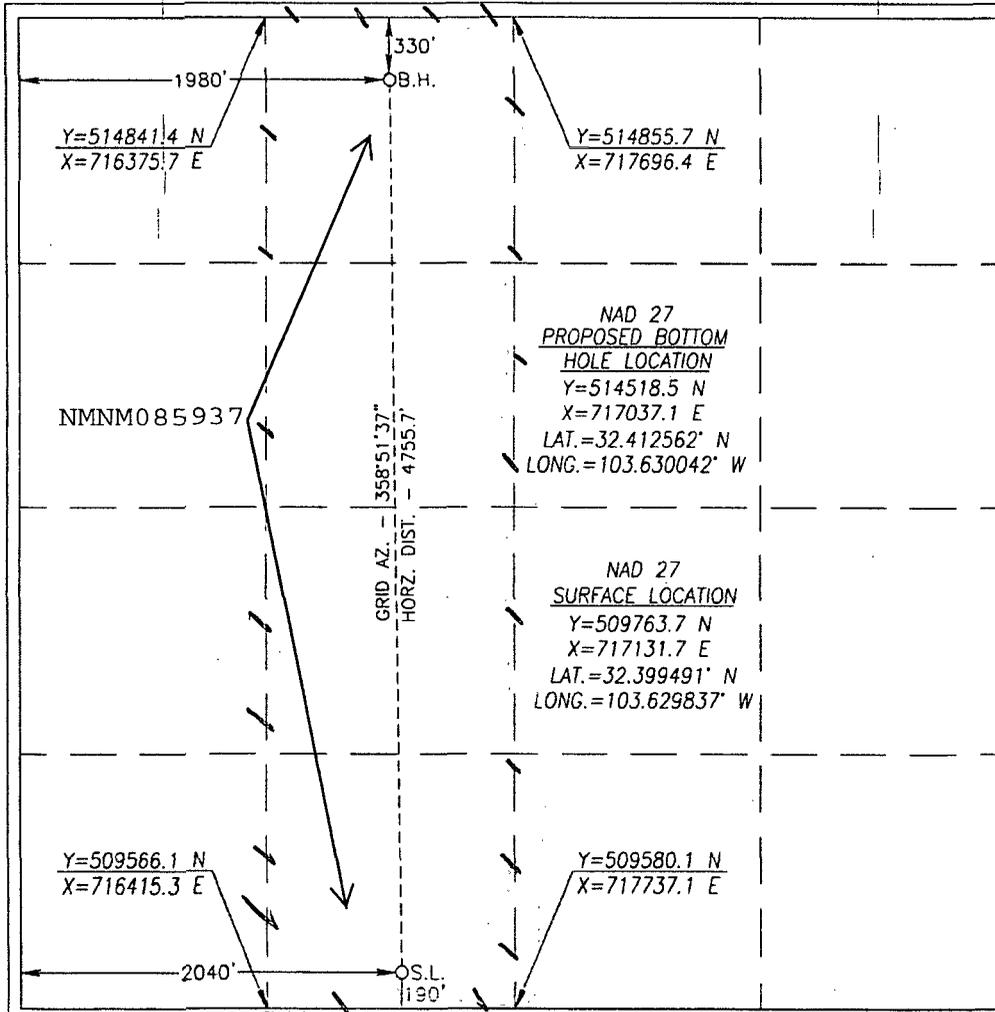
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	12	22-S	32-E		190	SOUTH	2040	WEST	LEA

**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
C	12	22-S	32-E		330	NORTH	1980	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.

*Melanie J Wilson* 5/6/15  
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

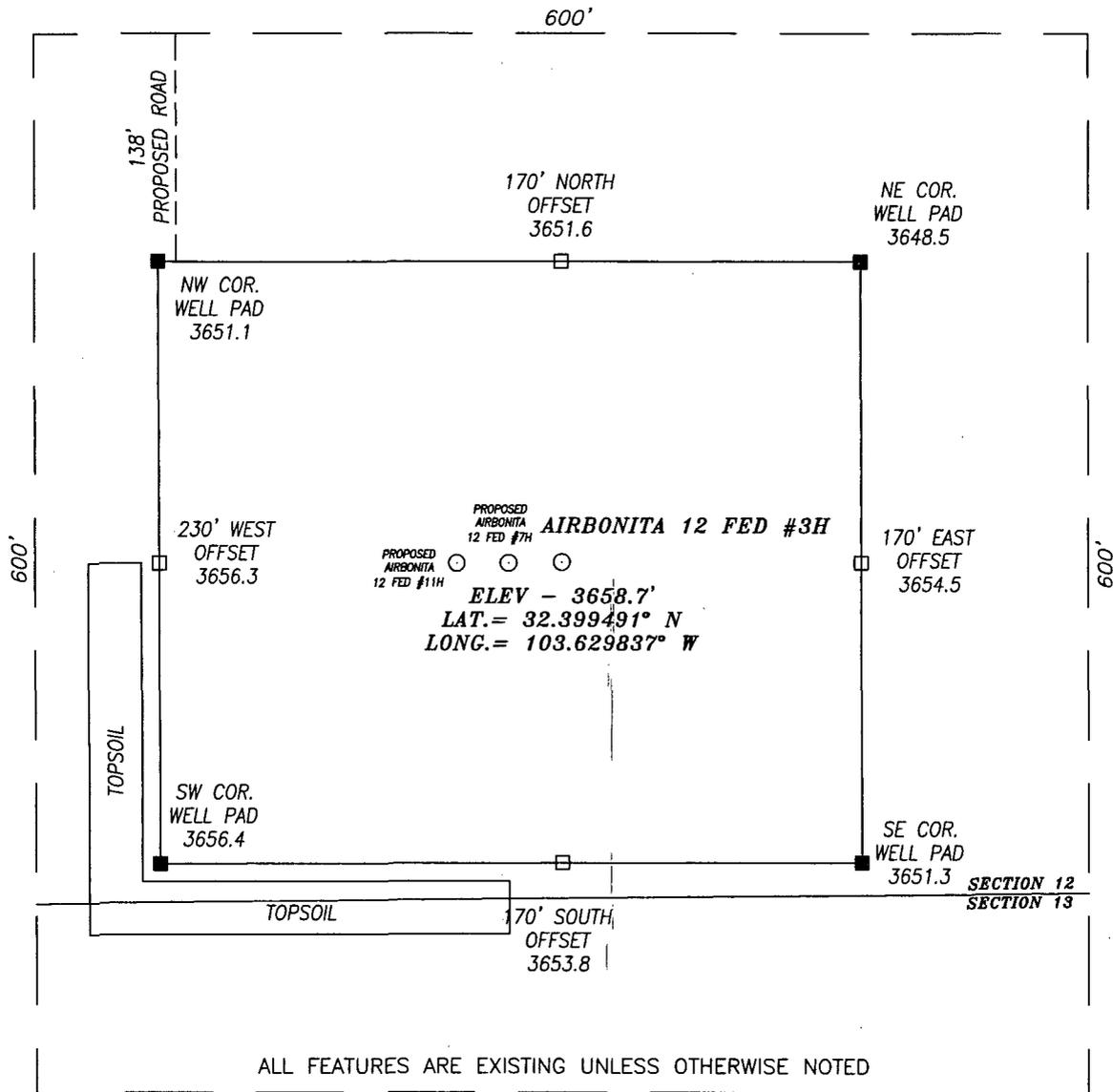
Signature & Seal of Professional Surveyor  
*Chad L. Harcrow* 7/22/14  
Certificate No. CHAD HARCROW 17777  
W.O. # 14-541 DRAWN BY: AM

FEB 11 2016

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

LEA COUNTY

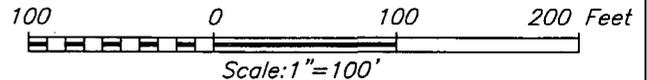
NEW MEXICO



DIRECTIONS TO LOCATION

600'

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 TURN LEFT (EAST) AND GO APPROX. 0.2 MILE TO EXISTING PROHIBITION 12 FED #12 WELLPAD; GO TO SOUTHWEST PAD CORNER; THEN PROPOSED WELL IS APPROX. 390 FEET SOUTHEAST.



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



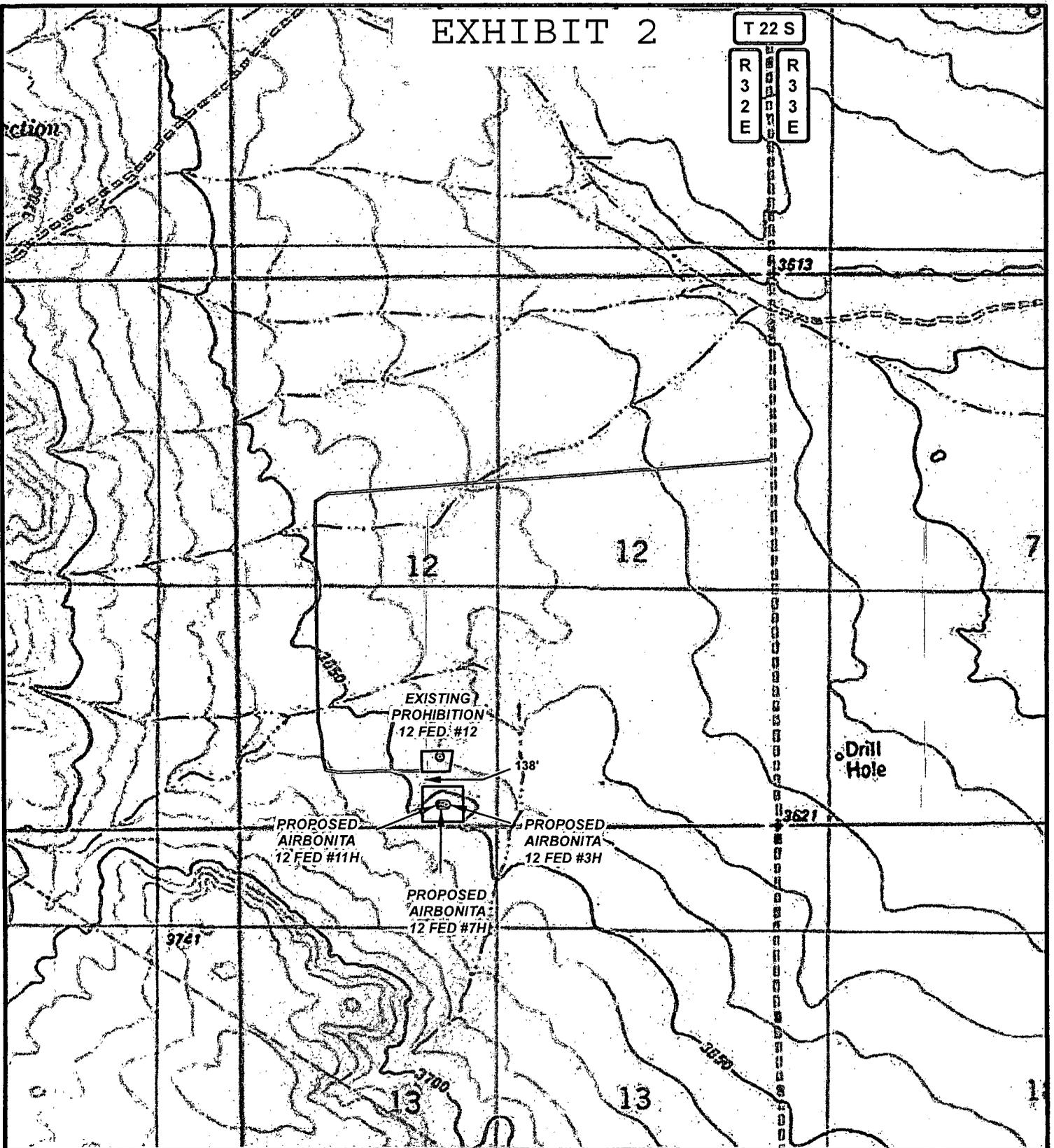
**COG OPERATING, LLC**

AIRBONITA 12 FED #3H WELL  
 LOCATED 190 FEET FROM THE SOUTH LINE  
 AND 2040 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: 14-541	

# EXHIBIT 2

T 22 S  
R 32 E  
R 33 E



## LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

**AIRBONITA 12 FED #3H, #7H, #11H PROP. RD.**

SECTION: 12	TOWNSHIP: 22 S.	RANGE: 32 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 14-541, 542, 543	LEASE: AIRBONITA 12 FED	

0 2,500 FEET

0 0.075 0.15 0.3 Miles

1 IN = 1,250 FT

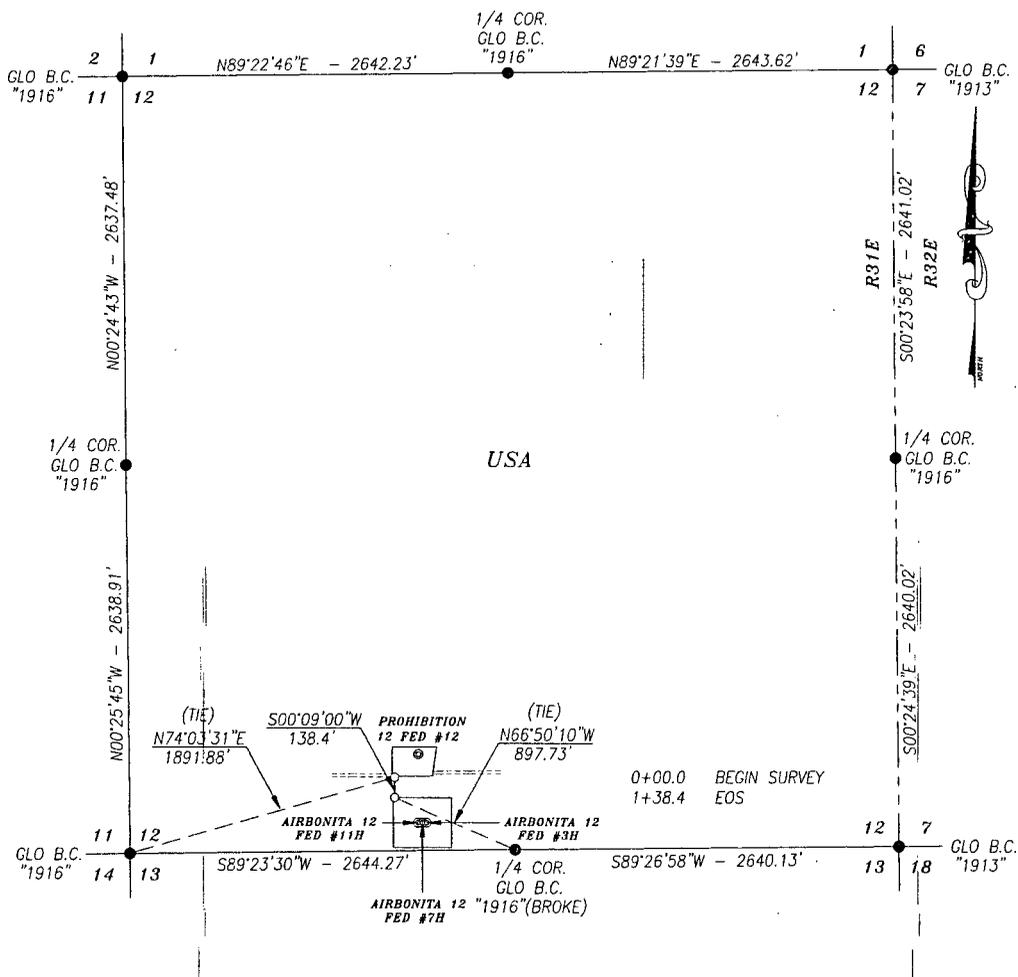
ROAD MAP TOPO 07/10/2014 S.P.

**CONCHO**  
COG OPERATING, LLC

**HARCROW SURVEYING, LLC.**  
2314 W. MAIN ST, ARTESIA, NM 88210  
PH: (575) 513-2570 FAX: (575) 746-2158  
chod\_harcrow77@yahoo.com

# EXHIBIT 2A

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



### DESCRIPTION

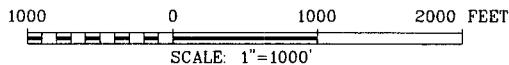
A STRIP OF LAND 30.0 FEET WIDE AND 138.4 FEET OR 8.39 RODS OR 0.026 MILES IN LENGTH CROSSING USA LAND IN SECTION 12, TOWNSHIP 22 SOUTH, RANGE 32 EAST, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

**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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chad\_harcrow77@yahoo.com



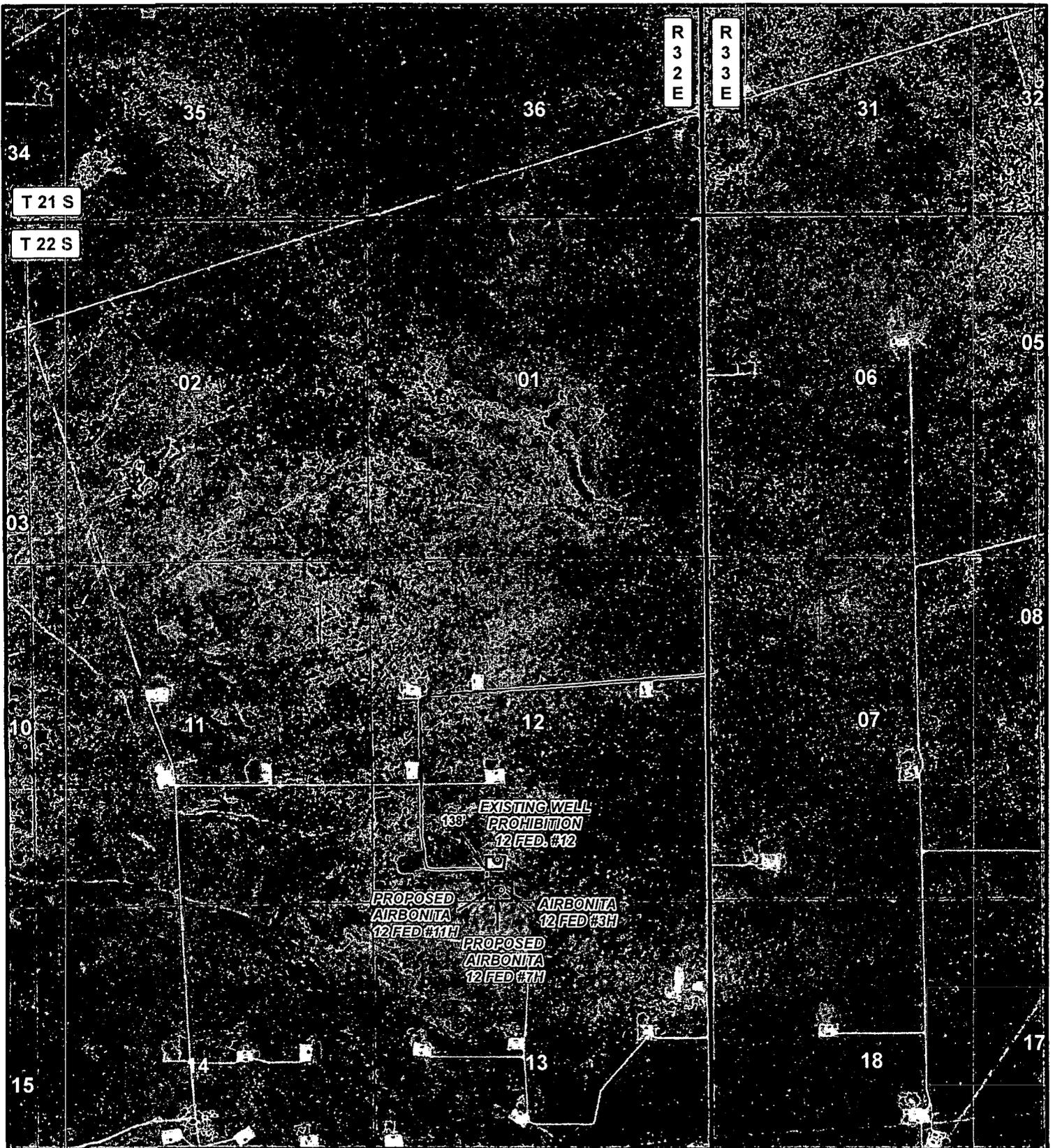
**CERTIFICATION**  
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



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

9/25/14  
DATE

<b>COG OPERATING, LLC</b>	
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 2
DRAFTING DATE: SEPTEMBER 24, 2014	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: SP
	FILE: 14-843

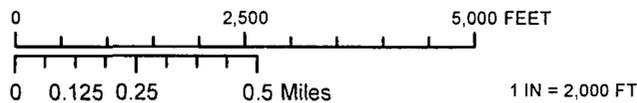


**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

**AIRBONITA 12 FED. #3H**

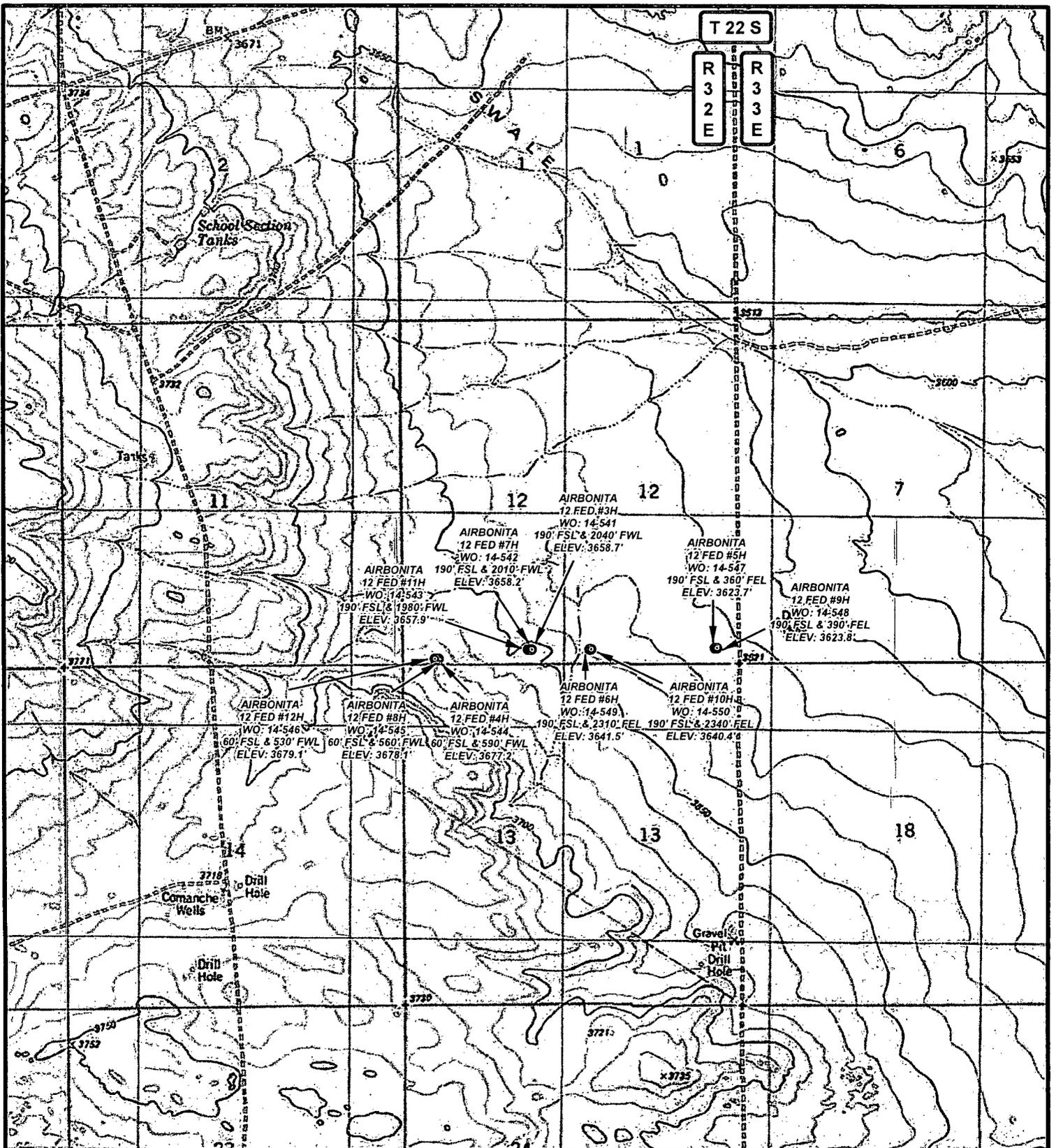
SEC: 12 TWP: 22 S. RGE: 32 E. ELEVATION: 3658.7'  
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 2040' FWL  
 W.O. # 14-541 LEASE: AIRBONITA 12 FED SURVEY: N.M.P.M



LOCATION MAP IMAGERY 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



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

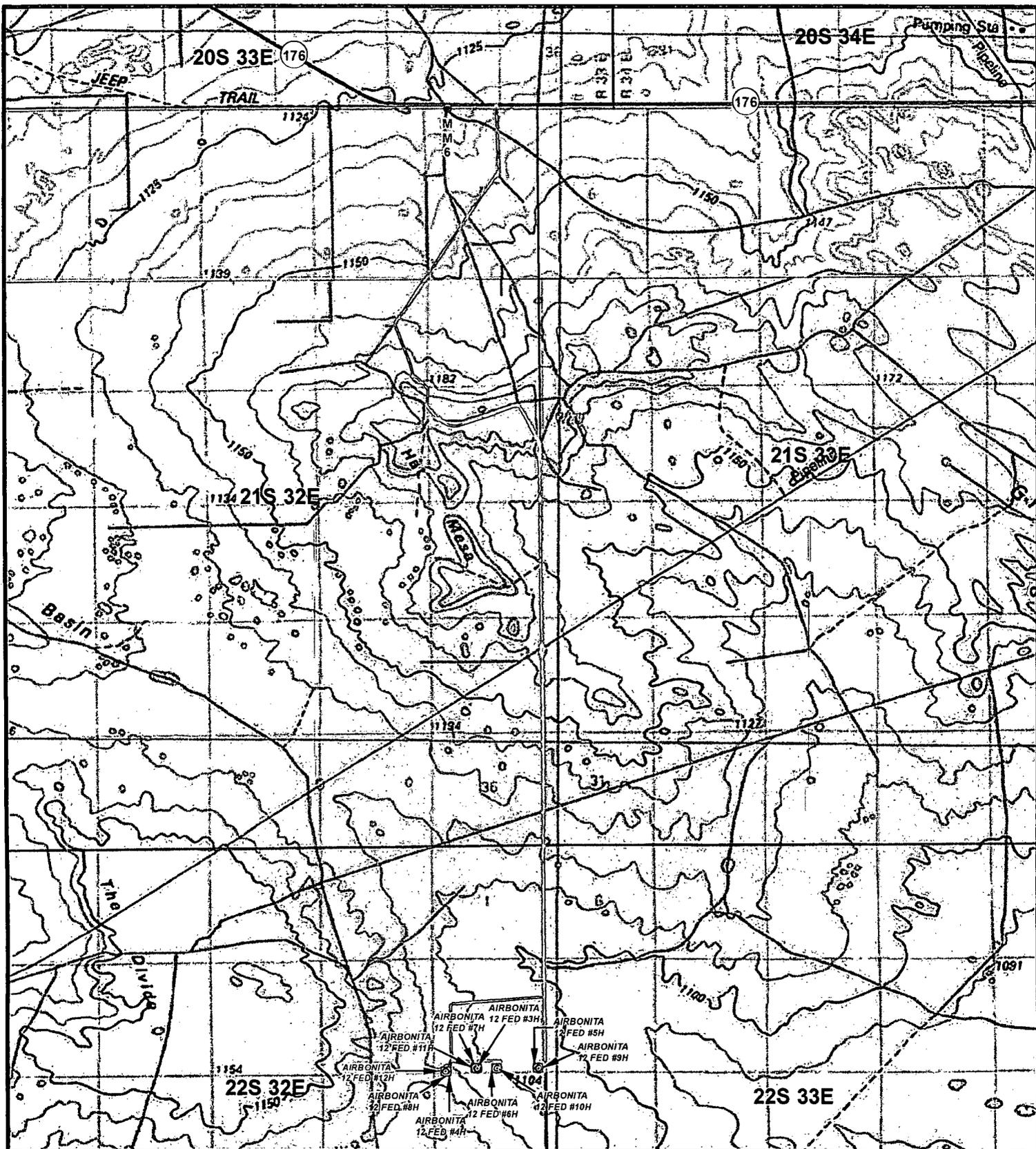
0 2,500 5,000 FEET

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

CATION OVERVIEW TOPO 07/07/2014 S.P

**CONCHO**  
COG OPERATING, LLC

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chad\_harcrow77@yahoo.com

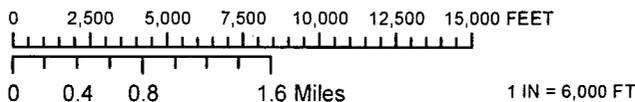


**LEGEND**

- 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



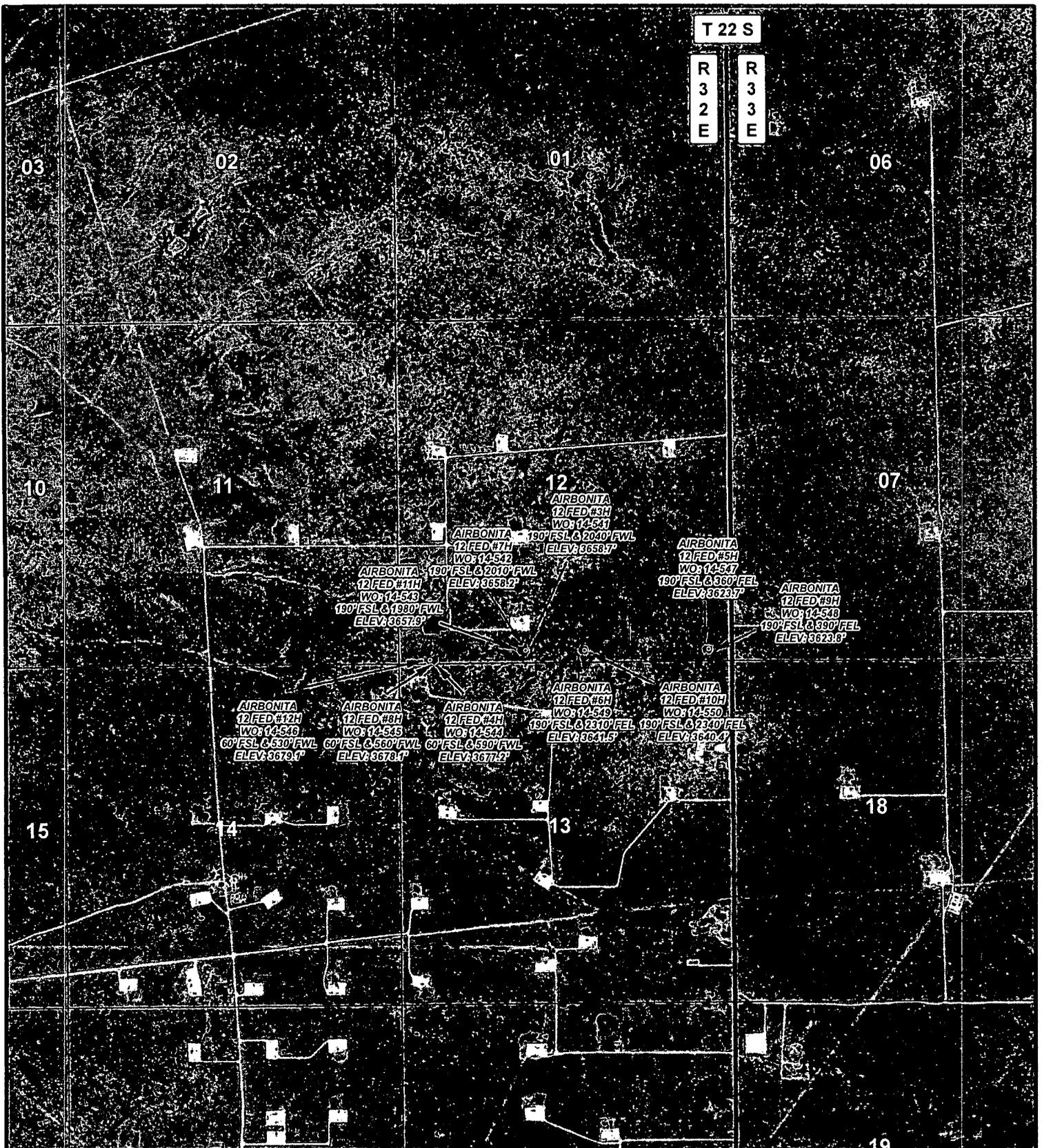
ROAD MAP      TOPO      07/16/2014      STP



COG OPERATING, LLC



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 chad\_harcrow77@yahoo.com



LEGEND

● WELL

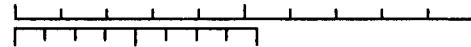
AIRBONITA WELL GROUP

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

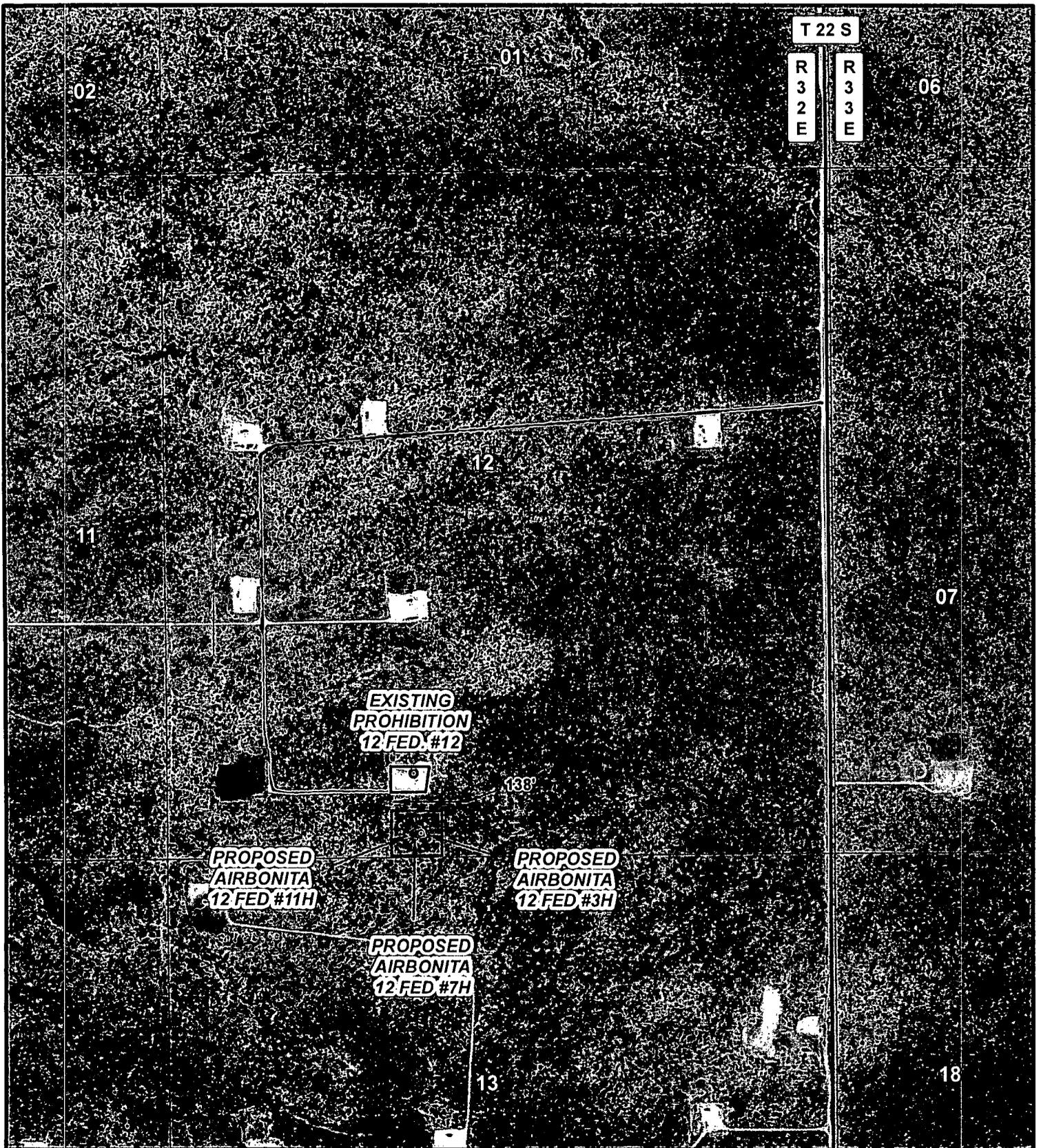
LOCATION OVERVIEW IMAGERY 07/07/2014 S.P.



COG OPERATING, LLC



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 chad\_harcrow77@yahoo.com



**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

**AIRBONITA 12 FED #3H, #7H, #11H PROP. RD.**

SECTION: 12      TOWNSHIP: 22 S.      RANGE: 32 E.  
 STATE: NEW MEXICO      COUNTY: LEA      SURVEY: N.M.P.M  
 W.O. # 14-541, 542, 543      LEASE: AIRBONITA 12 FED

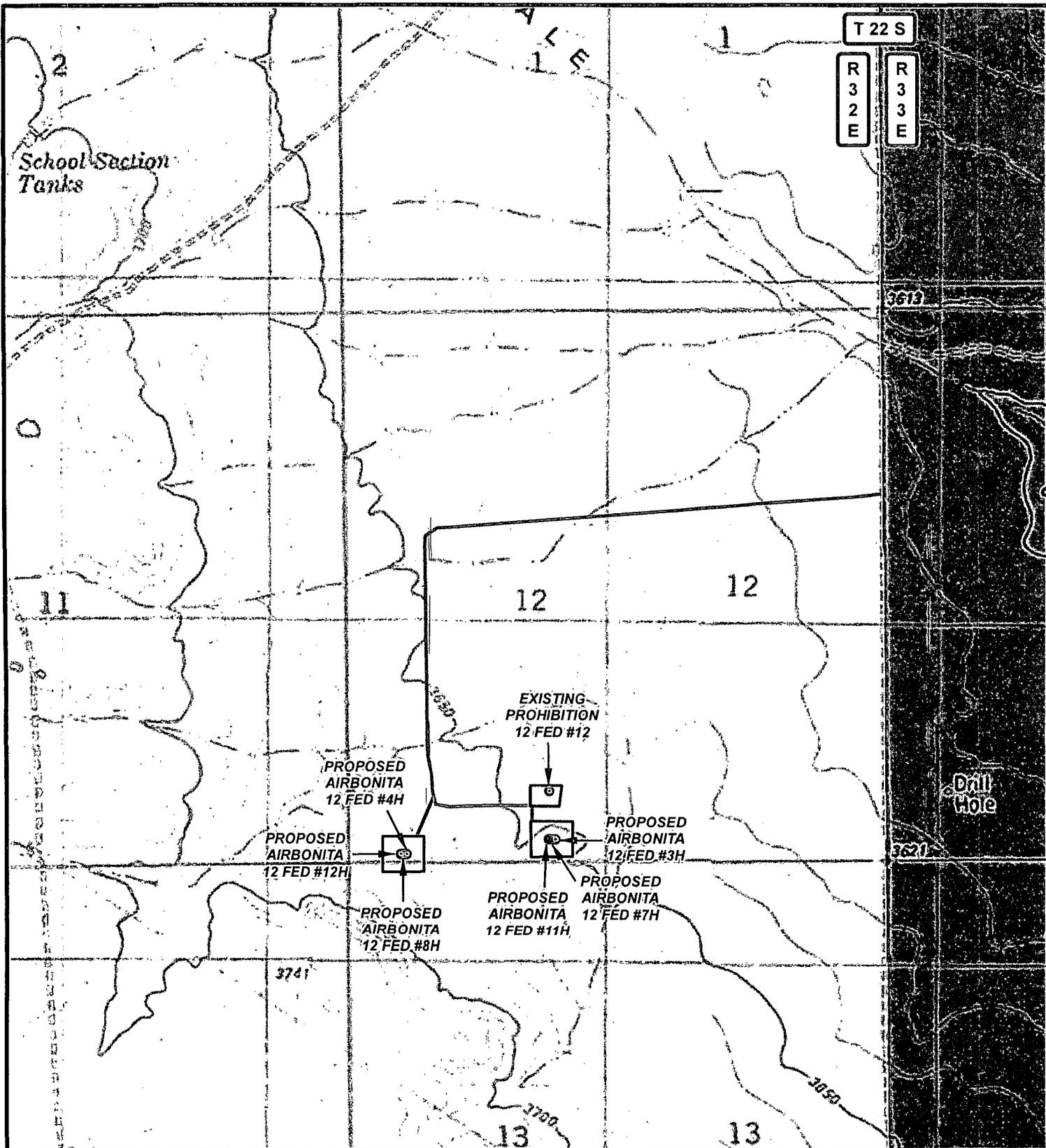


ROAD MAP      IMAGERY      07/10/2014      S.P.

  
**CONCHO**  
 COG OPERATING, LLC

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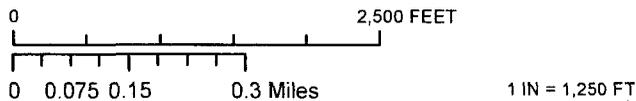


**LEGEND**

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

**AIRBONITA 12 FED ROADS**

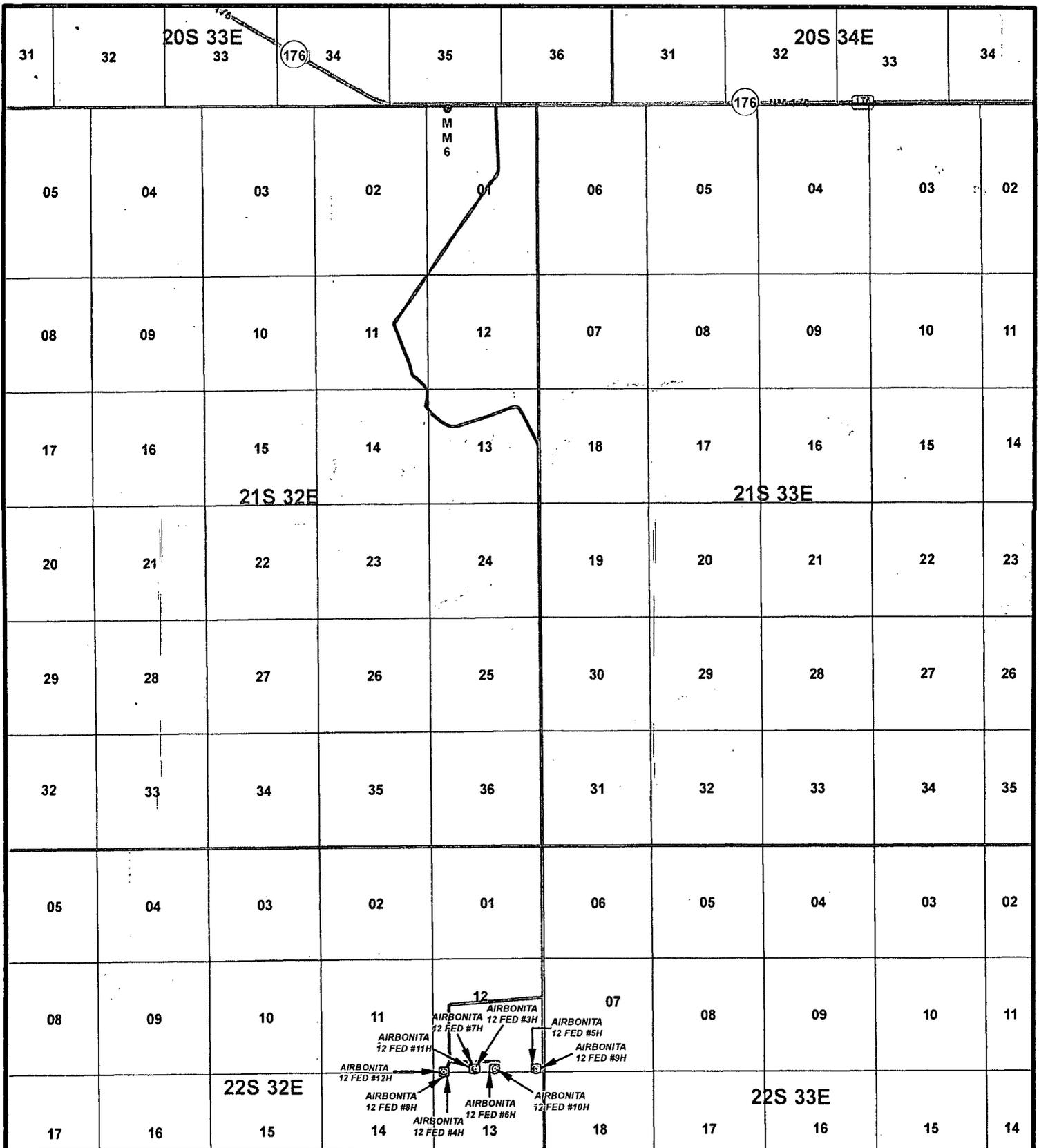
SECTION: 12      TOWNSHIP: 22 S.      RANGE: 32 E.  
 STATE: NEW MEXICO      COUNTY: LEA      SURVEY: N.M.P.M  
 W.O. # 14-843      LEASE: AIRBONITA 12 FED



ROAD OVERVIEW MAP      LAND STATUS      09/25/2014      S.P.

**CONCHO**  
 COG OPERATING, LLC

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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

1 IN = 6,000 FT

ROAD MAP WORLD STREET 07/16/2014 S.P.

**CONCHO**  
COG OPERATING, LLC

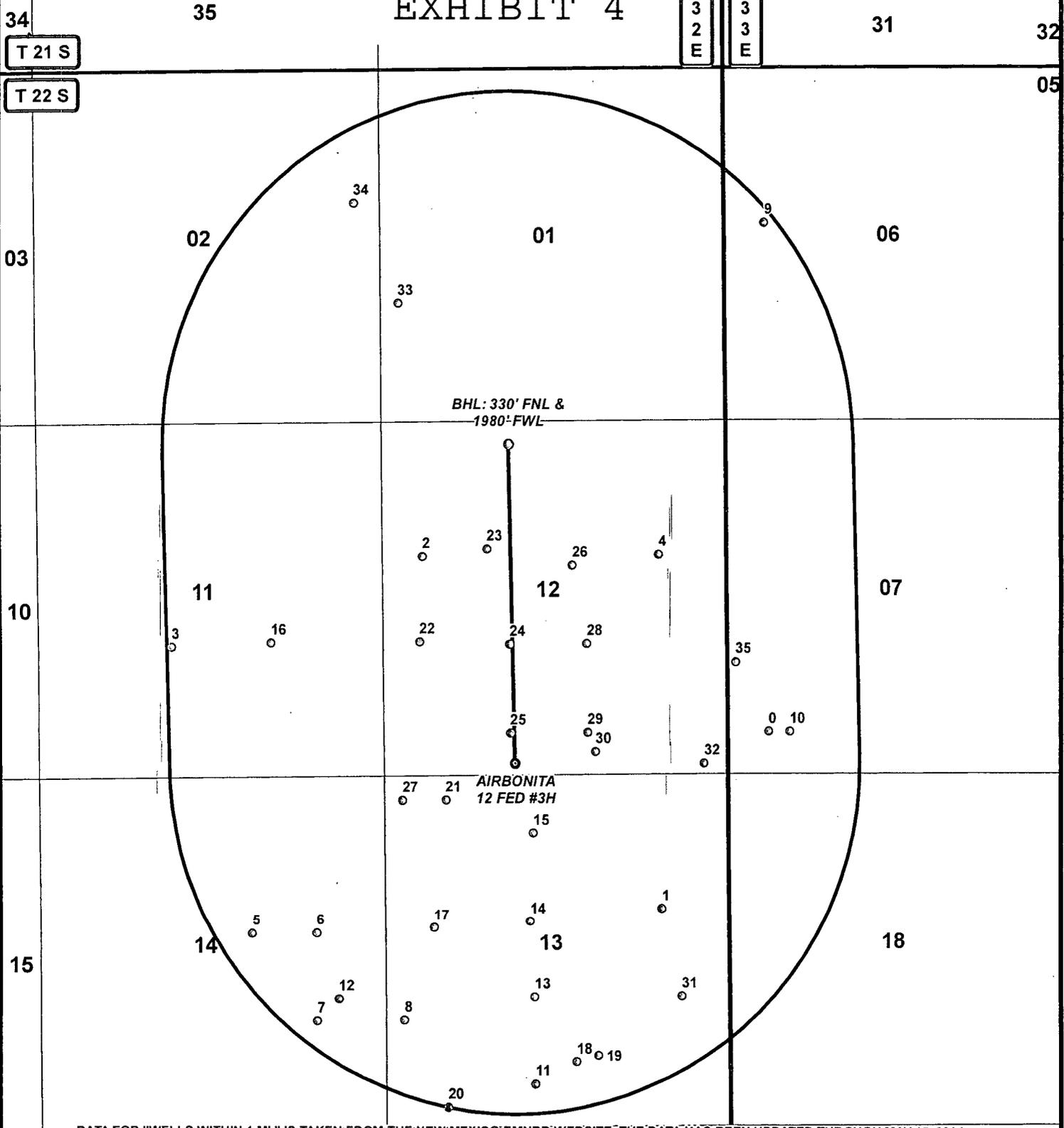
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# EXHIBIT 4

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 #3H			
SEC: 12	TWP: 22 S.	RGE: 32 E.	ELEVATION: 3658.7'
STATE: NEW MEXICO		COUNTY: LEA 190' FSL & 2040' FWL	
W.O. # 14-541	LEASE: AIRBONITA 12 FED		SURVEY: N.M.P.M

1 MILE MAP      07/10/2014      S.P.

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