

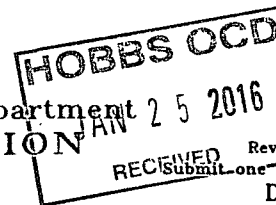
DISTRICT I
1025 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-8181 Fax: (575) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-43031	Pool Code 51683	Pool Name Red Tank; Bone Spring
Property Code 38682	Property Name AIRBONITA 12 FEDERAL	Well Number 11H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3657.9

Surface Location

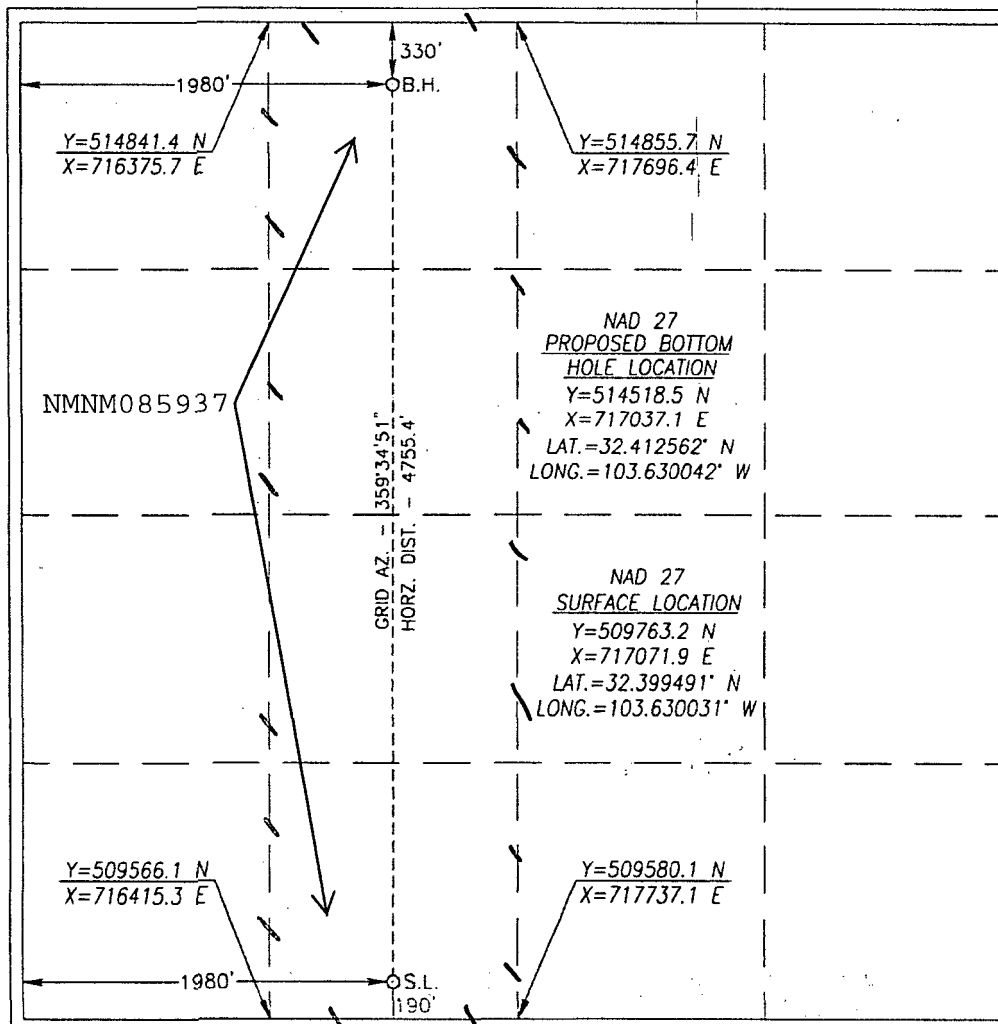
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	12	22-S	32-E		190	SOUTH	1980	WEST	LEA

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 160	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

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 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 3, 2014

Date of Survey

Signature & Seal of Professional Surveyor



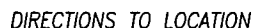
Certificate No. CHAD HARCROW 17777

W.O. # 14-543

DRAWN BY: AM

JAN 27 2016

NEW MEXICO



100 0 100 200 Feet

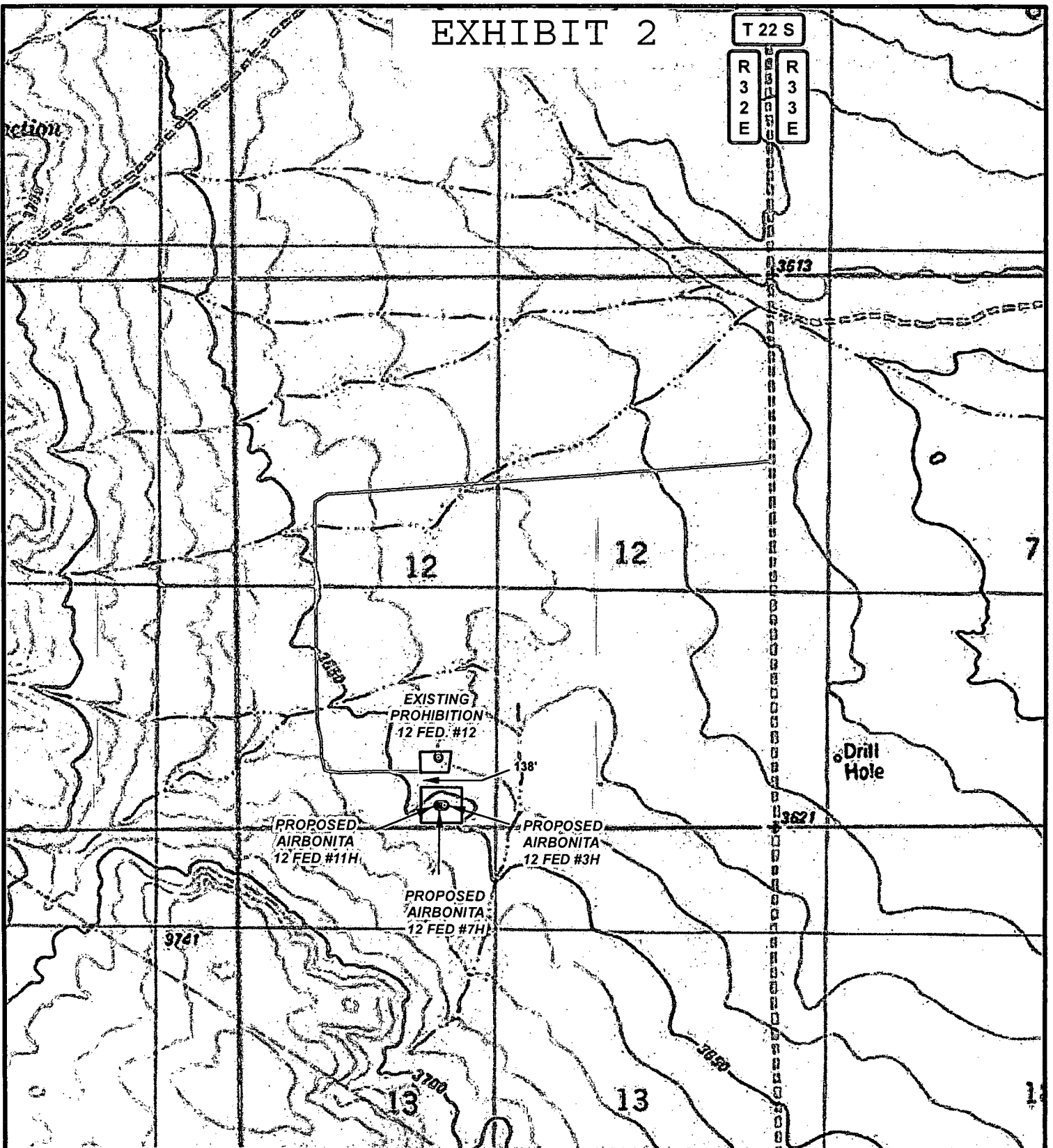
Scale: 1" = 100'



FILE: 14-543

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.

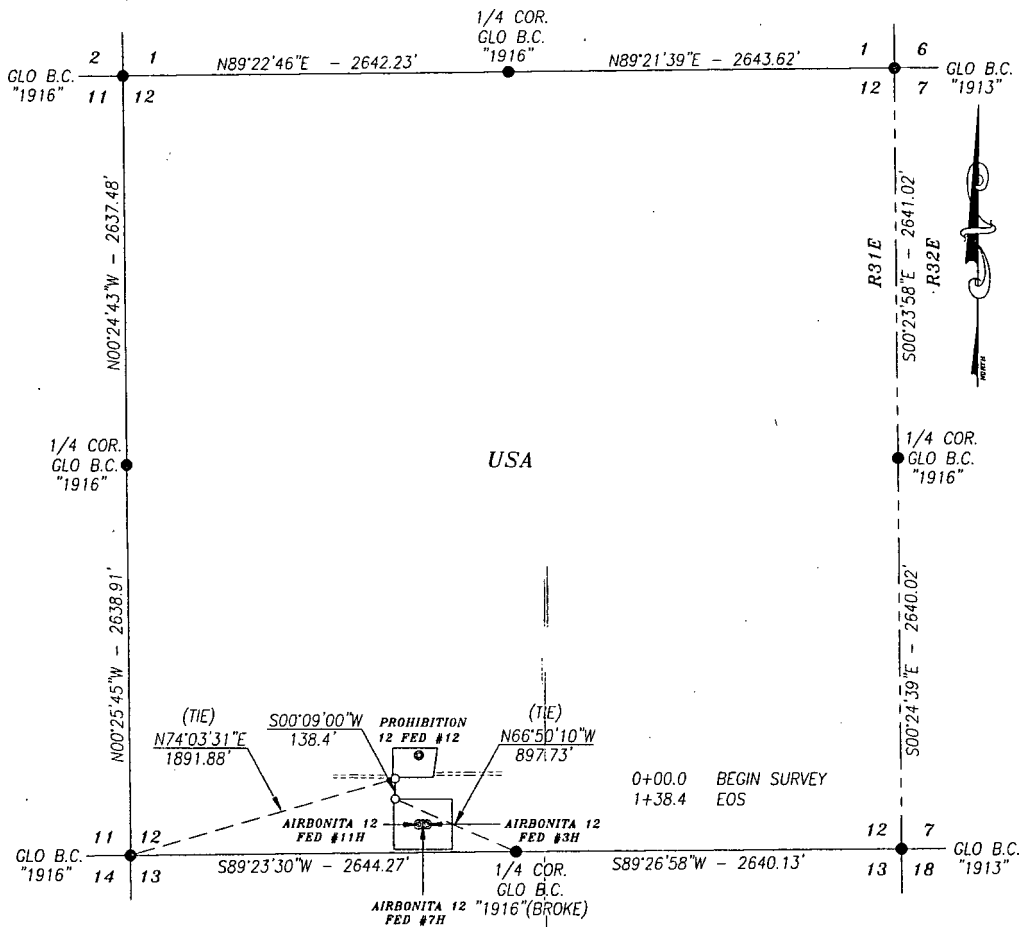
CONCHO
COG OPERATING, LLC



HARCROW SURVEYING, LLC.
2314 W. MAIN ST, ARTESIA, NM 88210
PH: (575) 513-2570 FAX: (575) 746-2158
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 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

2314 W. MAIN ST, ARTESIA, N.M. 88210

PH: (575) 513-2570 FAX: (575) 746-2158

chad_harcrow77@yahoo.com



CERTIFICATION

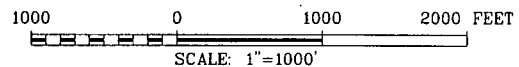
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



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

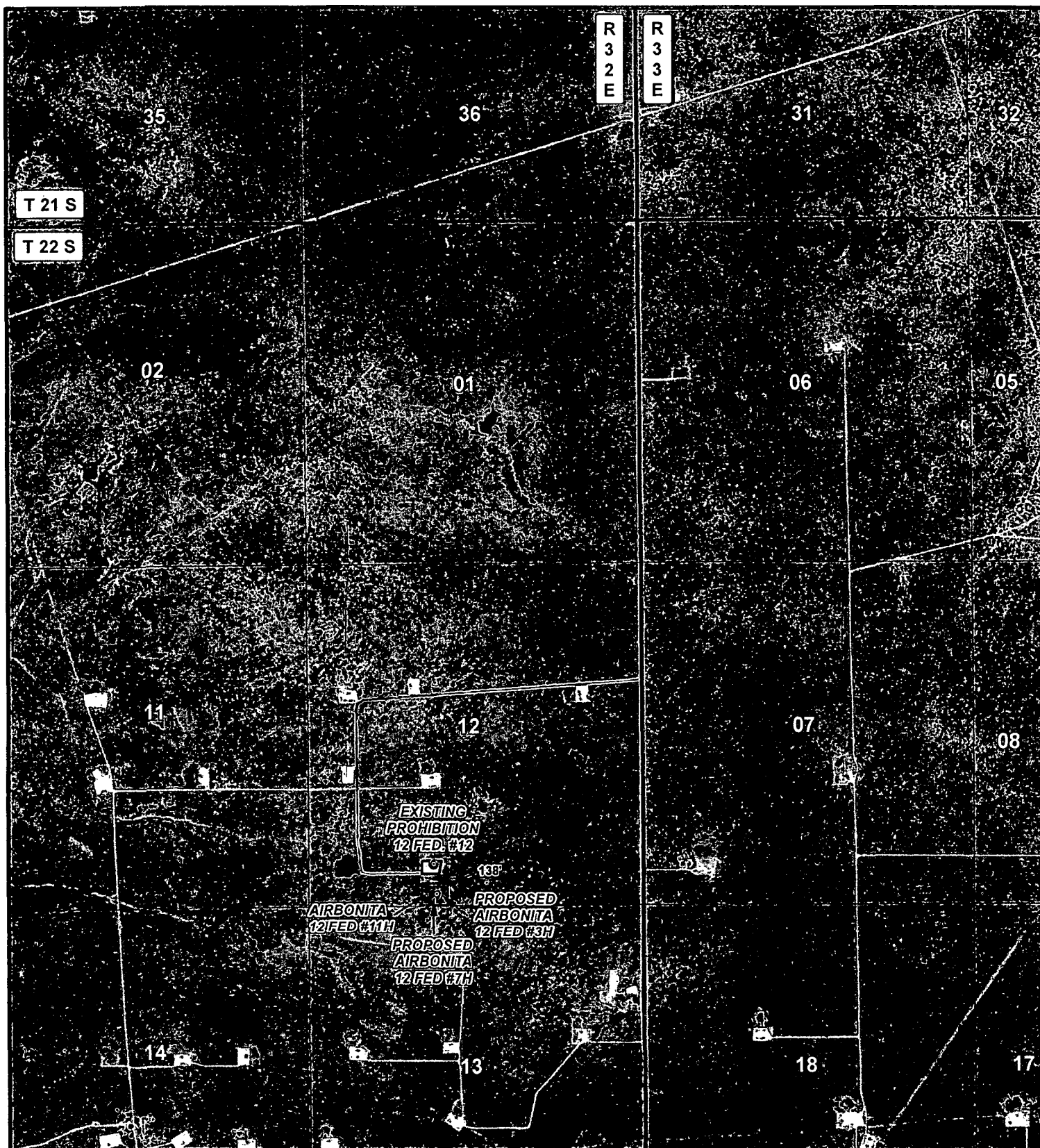
ROAD 2

DRAFTING DATE: SEPTEMBER 24, 2014

PAGE 1 OF 1

APPROVED BY: CH DRAWN BY: SP

FILE: 14-843



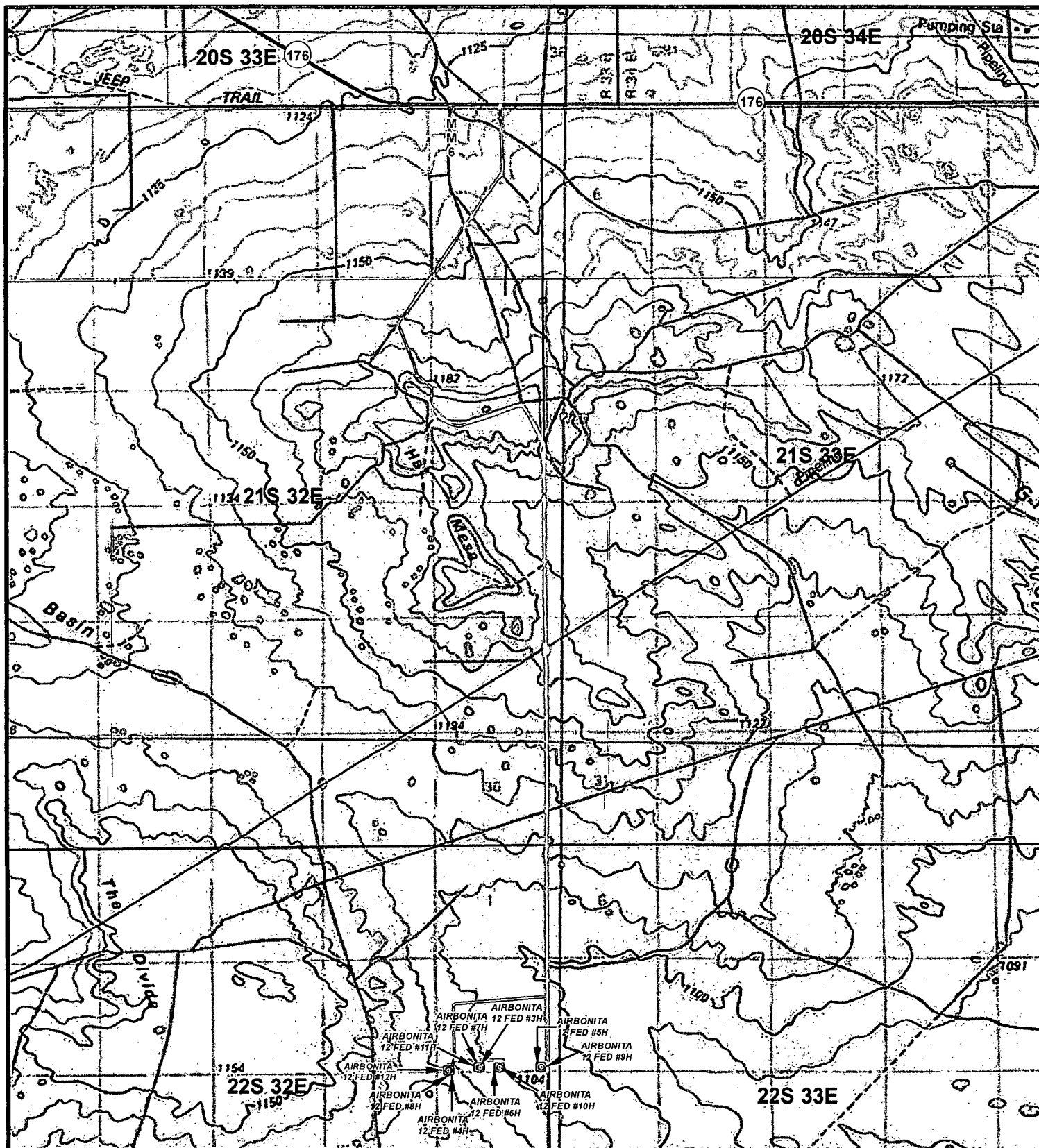
LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

AIRBONITA 12 FED #11H			
SEC: 12	TWP: 22 S.	RGE: 32 E.	ELEVATION: 3657.9'
STATE: NEW MEXICO		COUNTY: LEA	190' FSL & 1980' FWL
W.O. # 14-543		LEASE: AIRBONITA 12 FED	SURVEY: N.M.P.M
0 2,500 5,000			

CONCHO
COG OPERATING, LLC

HARCROW SURVEYING, LLC.
2314 W. MAIN ST, ARTESIA, NM 88210
PH: (575) 513-2570 FAX: (575) 746-2158
chad_harcrow77@yahoo.com

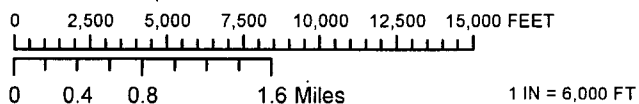


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

AIRBONITA WELL GROUP: ROAD MAP

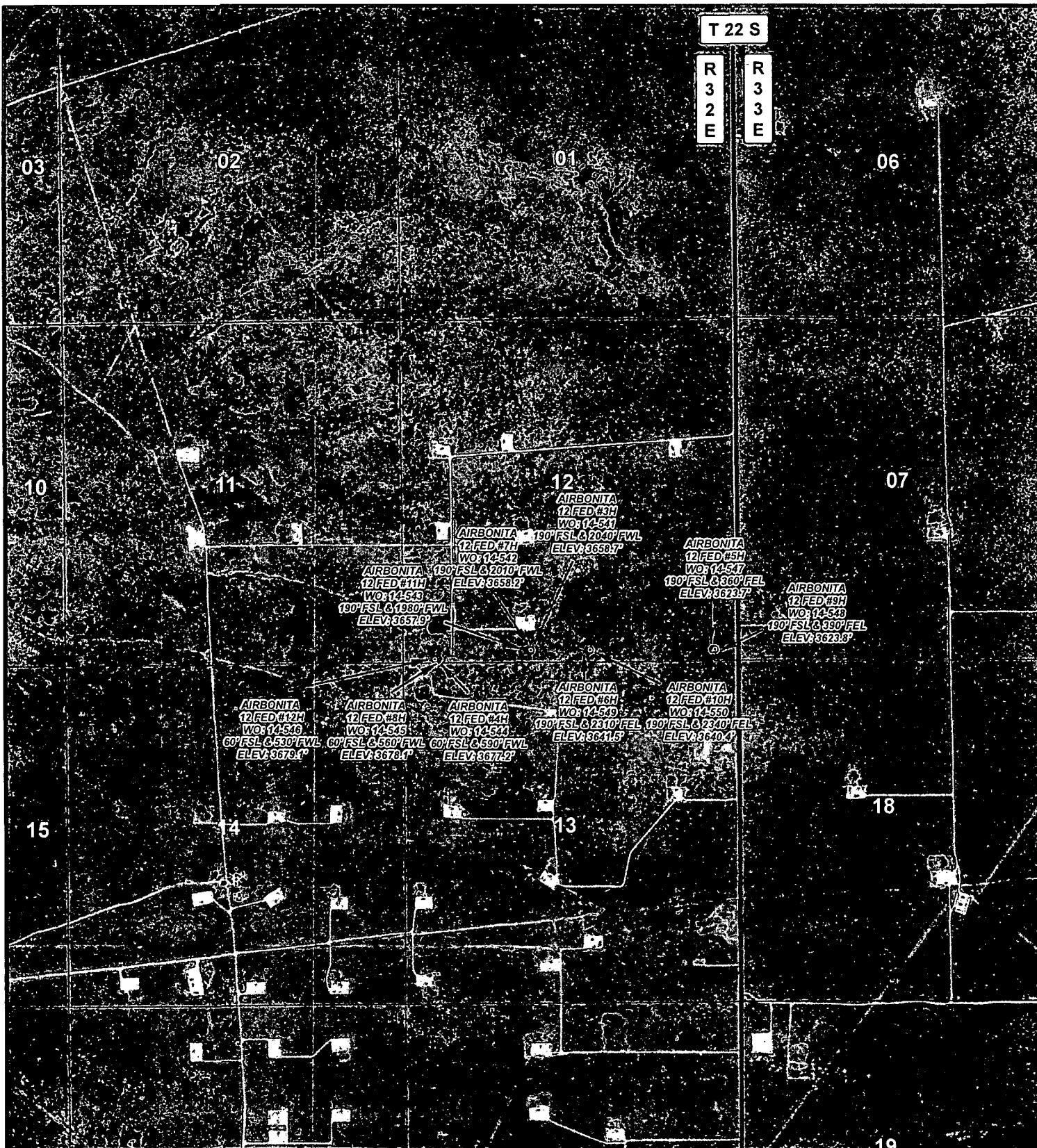
SECTION: 12 TOWNSHIP: 22 S. RANGE: 32 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M.
 W.O. # 14-541 THRU. 14-550 LEASE: AIRBONITA 12 FED



ROAD MAP TOPO 07/16/2014 S.P.

CONCHO
 COG OPERATING, LLC

HARCROW SURVEYING, LLC.
 2314 W. MAIN ST, ARTESIA, NM 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



LEGEND

● WELL

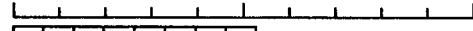
AIRBONITA WELL GROUP

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

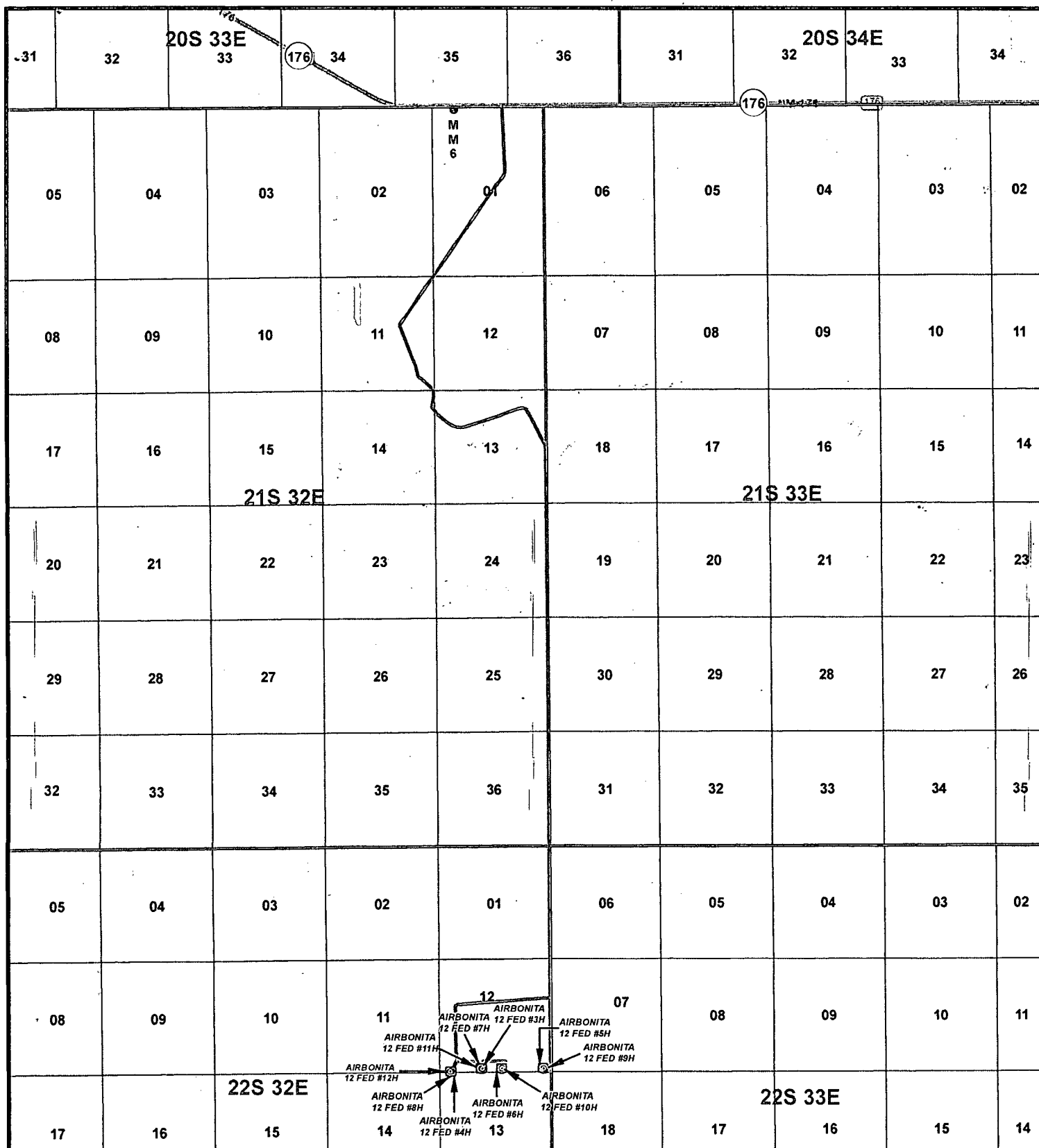


HARCROW SURVEYING, LLC.

2314 W. MAIN ST, ARTESIA, NM 88210

PH: (575) 513-2570 FAX: (575) 746-2158

chad_harcrow77@yahoo.com



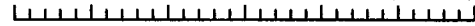
LEGEND

- 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 S.P.

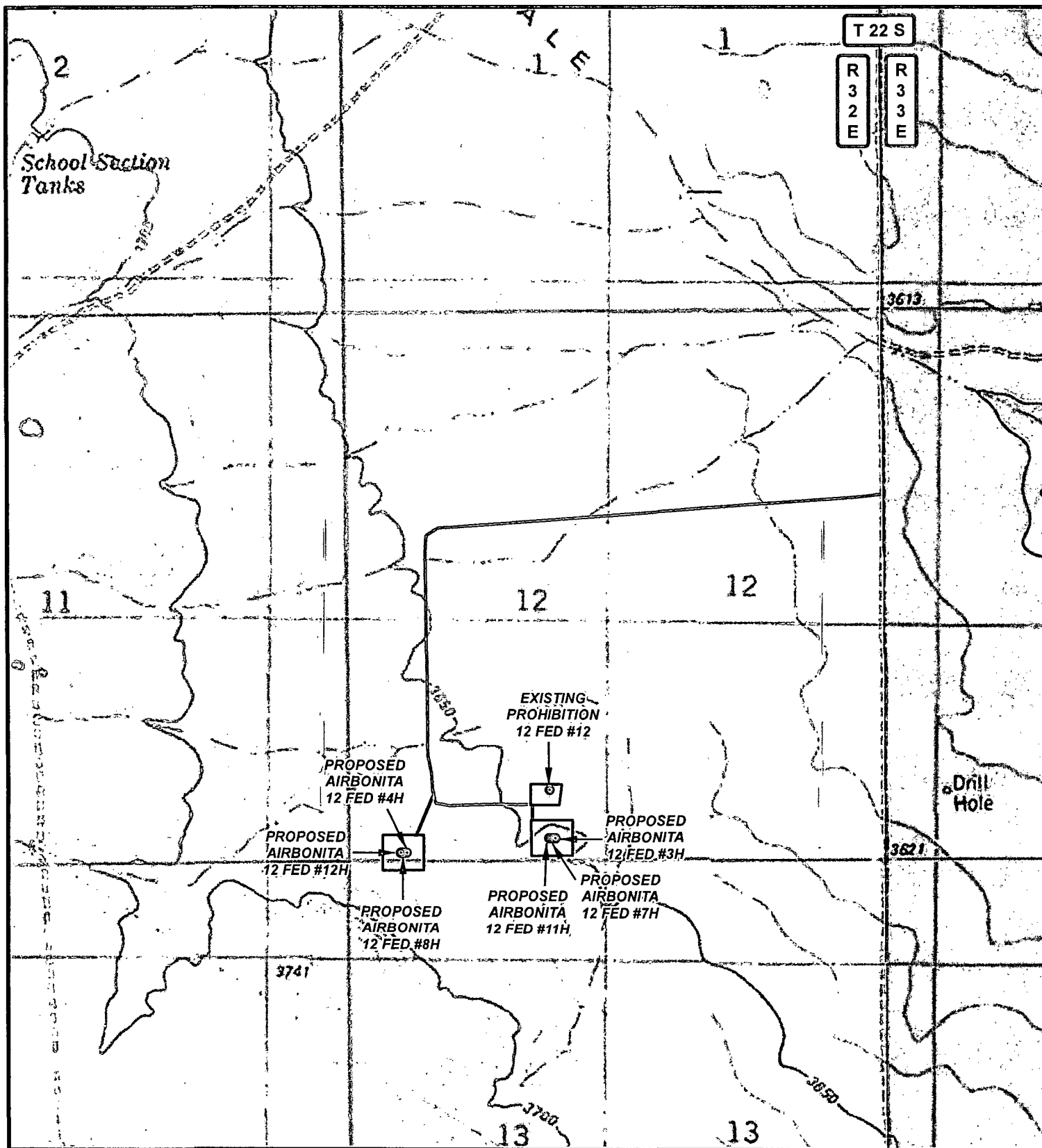


COG OPERATING, LLC



HARCROW SURVEYING, LLC.

2314 W. MAIN ST, ARTESIA, NM 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



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



HARCROW SURVEYING, LLC.

2314 W. MAIN ST, ARTESIA, NM 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com

EXHIBIT 4

34

35

R
3
2
E

R
3
3
E

31

T 21 S

T 22 S

03

02

01

06

BHL: 330' FNL &
1980' FWL

10

11

12

07

15

14

13

18

AIRBONITA
12 FED #11H

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 #11H

SEC: 12 TWP: 22 S. RGE: 32 E. ELEVATION: 3657.9'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 1980' FWL

W.O. # 14-543 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

SP

CONCHO

COG OPERATING, LLC



HARCROW SURVEYING, LLC.

2314 W. MAIN ST, ARTESIA, NM 88210

PH: (575) 513-2570 FAX: (575) 746-2158

chad_harcrow77@yahoo.com

AIRBONITA 12 FED #11H

FID	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	TVD_DEPTH	COMPL_STAT
0	CABOT CORP	NEW MEXICO K STATE 001	32.400885	-103.617759	3002501796	7	22.05	33E	660 S		660 W		4999	Plugged
1	OXY USA INC	WBR FEDERAL 001	32.393621	-103.623119	3002530137	13	22.05	32E	1980 N		990 E		15261	Active
2	COG OPERATING LLC	PROHIBITION FEDERAL UNIT 001	32.408109	-103.634871	3002531137	12	22.05	32E	1980 N		660 W		15112	Active
3	COG OPERATING LLC	PROHIBITION FEDERAL UNIT 002	32.404438	-103.647301	3002531716	11	22.05	32E	1980 S		2080 W		10100	Active
4	COG OPERATING LLC	PROHIBITION FEDERAL UNIT 003	32.408114	-103.623143	3002532142	12	22.05	32E	1980 N		990 E		13780	Active
5	COG OPERATING LLC	PROHIBITION FEDERAL UNIT 004	32.392656	-103.643444	3002532758	14	22.05	32E	2310 N		1980 E		9000	Active
6	COG OPERATING LLC	PROHIBITION FEDERAL UNIT 006	32.392665	-103.640217	3002532760	14	22.05	32E	2310 N		990 E		9000	Active
7	EOG RESOURCES INC	REDCHECKER 14 FEDERAL 002	32.389024	-103.640211	3002532765	14	22.05	32E	1650 S		990 E		8905	Active
8	OXY USA INC	WBR FEDERAL 003	32.389036	-103.635914	3002533026	13	22.05	32E	1650 S		330 W		10100	Active
9	POGO PRODUCING CO	FLINT 6 STATE 001	32.421757	-103.617793	3002534175	6	22.05	33E	2310 N		660 W		5100	Plugged
10	OXY USA INC	NBR 7 STATE 001	32.400883	-103.616685	3002534992	7	22.05	33E	660 S		990 W		15140	Active
11	OXY USA INC	WBR FEDERAL 005	32.386337	-103.629464	3002535256	13	22.05	32E	660 S		2310 W		15445	Active
12	OXY USA INC	BOOTLEG RIDGE 14 FEDERAL COM 001	32.389934	-103.639138	3002535530	14	22.05	32E	1980 S		660 E		0	
13	OXY USA INC	WBR FEDERAL 007	32.389965	-103.62947	3002535722	13	22.05	32E	1980 S		2310 W		10150	Active
14	OXY USA INC	WBR FEDERAL 009	32.393107	-103.629671	3002536063	13	22.05	32E	2160 N		2250 W		10050	Active
15	OXY USA INC	WBR FEDERAL 010	32.396736	-103.629482	3002536064	13	22.05	32E	840 N		2310 W		10050	Active
16	OXY USA INC	BOOTLEG 11 FEDERAL COM 001	32.404589	-103.642386	3002536265	11	22.05	32E	2030 S		1650 E		15160	Active
17	OXY USA INC	WBR FEDERAL 012	32.39286	-103.634423	3002536415	13	22.05	32E	2245 N		790 W		10080	Active
18	YATES PETROLEUM CORPORATION	MICRO BREW 8EU FEDERAL 001	32.387251	-103.627405	3002536883	13	22.05	32E	990 S		2310 E		10200	Active
19	OXY USA INC	WBR FEDERAL 004	32.387502	-103.626331	3002537007	13	22.05	32E	1080 S		1980 E		0	
20	OXY USA INC	WBR FEDERAL 008	32.385415	-103.633759	3002537008	13	22.05	32E	330 S		990 W		0	
21	OXY USA INC	WBR FEDERAL 011D	32.398126	-103.633781	3002537009	13	22.05	32E	330 N		990 W		0	
22	OXY USA INC	BOOTLEG 11 FEDERAL COM 002	32.408075	-103.64763	3002537083	11	22.05	32E	1980 N		1980 W		15203	Active
23	COG OPERATING LLC	PROHIBITION 12 FEDERAL 008	32.404609	-103.635028	3002537227	12	22.05	32E	2030 S		610 W		8998	Active
24	COG OPERATING LLC	PROHIBITION 12 FEDERAL 007	32.408392	-103.631648	3002537228	12	22.05	32E	1880 N		1650 W		8960	Active
25	COG OPERATING LLC	PROHIBITION 12 FEDERAL 010	32.404485	-103.630567	3002537819	12	22.05	32E	1980 S		1980 W		8990	Active
26	COG OPERATING LLC	PROHIBITION 12 FEDERAL 012	32.400856	-103.630562	3002537821	12	22.05	32E	660 S		1980 W		8990	Active
27	COG OPERATING LLC	PROHIBITION 12 FEDERAL 013	32.407716	-103.62744	3002537822	12	22.05	32E	2130 N		2310 E		0	
28	OXY USA INC	WBR FEDERAL 011	32.398119	-103.635929	3002537929	13	22.05	32E	330 N		330 W		10050	Active
29	COG OPERATING LLC	PROHIBITION 12 FEDERAL 014	32.404496	-103.626751	3002538238	12	22.05	32E	1980 S		2100 E		0	
30	COG OPERATING LLC	PROHIBITION 12 FEDERAL 015	32.400868	-103.626745	3002538239	12	22.05	32E	660 S		2100 E		0	
31	COG OPERATING LLC	AIRBONITA 12 FEDERAL COM 002	32.400085	-103.626353	3002540179	12	22.05	32E	375 S		1980 E		14110	New (Not drilled or compl)
32	OXY USA INC	WBR 13 SWD 001	32.389974	-103.622159	3002541380	13	22.05	32E	1974 S		697 E		0	New (Not drilled or compl)
33	COG OPERATING LLC	AIRBONITA 12 FEDERAL COM 001H	32.399593	-103.62098	3002541491	12	22.05	32E	190 S		330 E		11937	New (Not drilled or compl)
34	OXY USA INC	SPEAK EASY UNIT 002H	32.418496	-103.635961	3002540306	1	22.05	32E	1800 S		330 W		12735	New (Not drilled or compl)
35	OXY USA INC	RUM RUNNER 2 FEDERAL COM 001H	32.422615	-103.638115	3002540095	2	22.05	32E	1980 N		330 E		13774	New (Not drilled or compl)
36	OXY USA INC	RIDGE RUNNER 7 STATE 001H	32.403746	-103.619375	3002541646	7	22.05	33E	1700 S		165 W		0	New (Not drilled or compl)