

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-9720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 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) 476-3460 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

HOODS OCD

JUN 30 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- 43338	Pool Code 41440 41450	Pool Name Lusk; Bone Spring, NORTH
Property Code 308658	Property Name STEALTH FEDERAL COM	Well Number 4H
OGRID No. 629137	Operator Name COG OPERATING, LLC PRODUCTION	Elevation 3592.0'

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	19-S	32-E		317	SOUTH	940	EAST	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
A	17	19-S	32-E		330	NORTH	330	EAST	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

LTP:
330' FNL & 330' FEL

FTP:
330' FSL & 940' FEL

NAD 27 PROPOSED BOTTOM HOLE LOCATION
Y=606696.0 N
X=670158.8 E
LAT.=32.666690° N
LONG.=103.780390° W

NAD 27 SURFACE LOCATION
Y=602059.8 N
X=669581.1 E
LAT.=32.653955° N
LONG.=103.782345° W

PRODUCING AREA
GRID AZ. - 07°06'08"
HORZ. DIST. - 4672.1'

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 5/26/16
Signature Date
Melanie J Wilson
Printed Name
mwilson@concho.com
E-mail Address

SURVEYOR CERTIFICATION

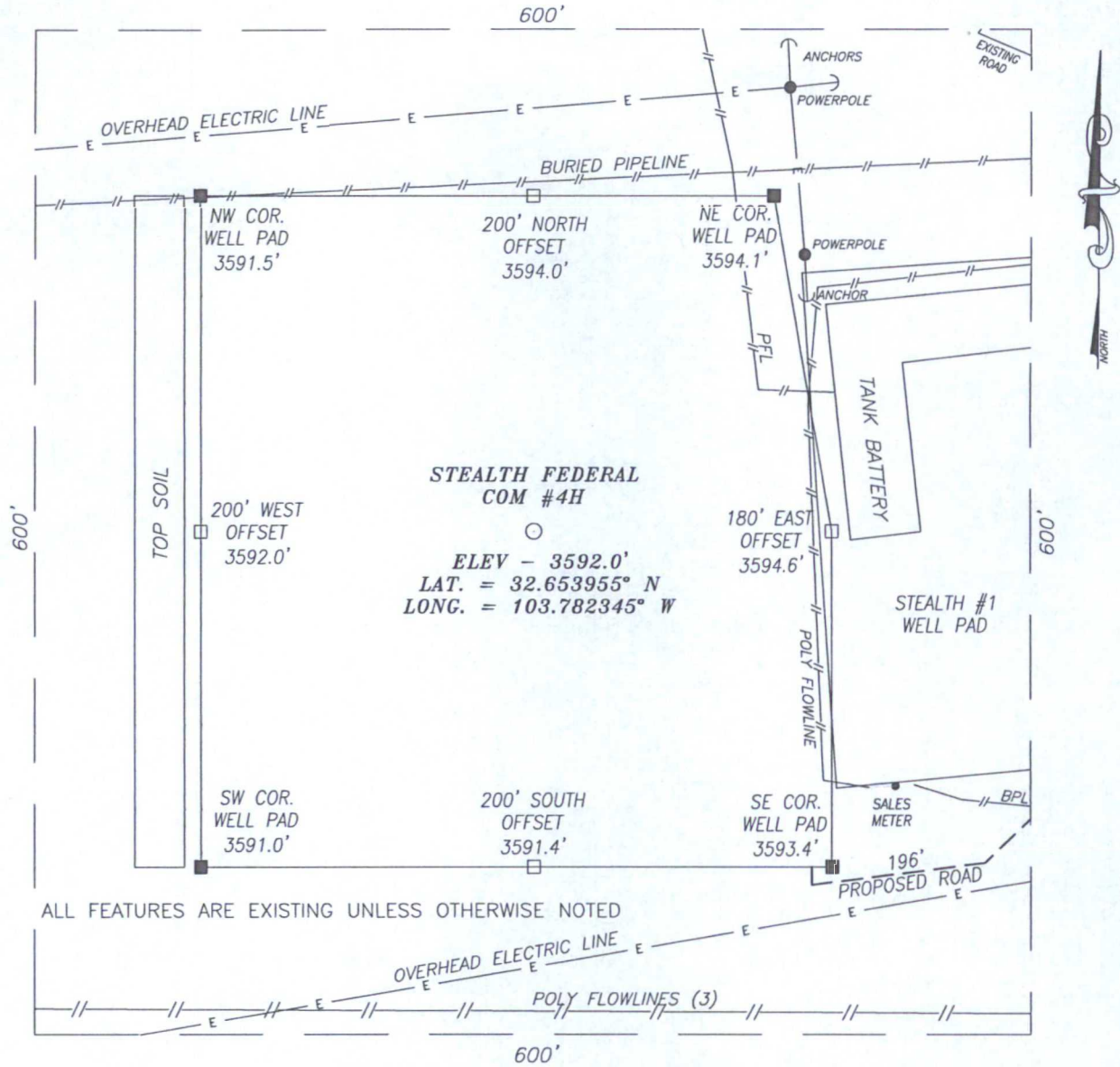
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

AUGUST 7, 2015
Date of Survey

Signature & Seal of Professional Surveyor

Chad Harcrow
8/31/15
Certificate No. CHAD HARCROW 17777
W.O. #15-965 DRAWN BY: WN

SECTION 17, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



ALL FEATURES ARE EXISTING UNLESS OTHERWISE NOTED

DIRECTIONS TO LOCATION:
FROM THE INTERSECTION OF MALJAMAR ROAD AND DRY LAKE ROAD, GO EAST AND TRAVEL APPROX. 0.6 MILES; THEN TURN RIGHT (SOUTHEAST) AND GO APPROX. 0.2 MILES TO THE EXISTING STEALTH FED COM #1 LOCATION. PROPOSED WELL IS APPROX. 200 FEET WEST OF THE WESTERLY MIDPOINT OF EXISTING PAD.

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

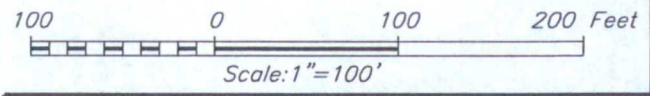


CERTIFICATION
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

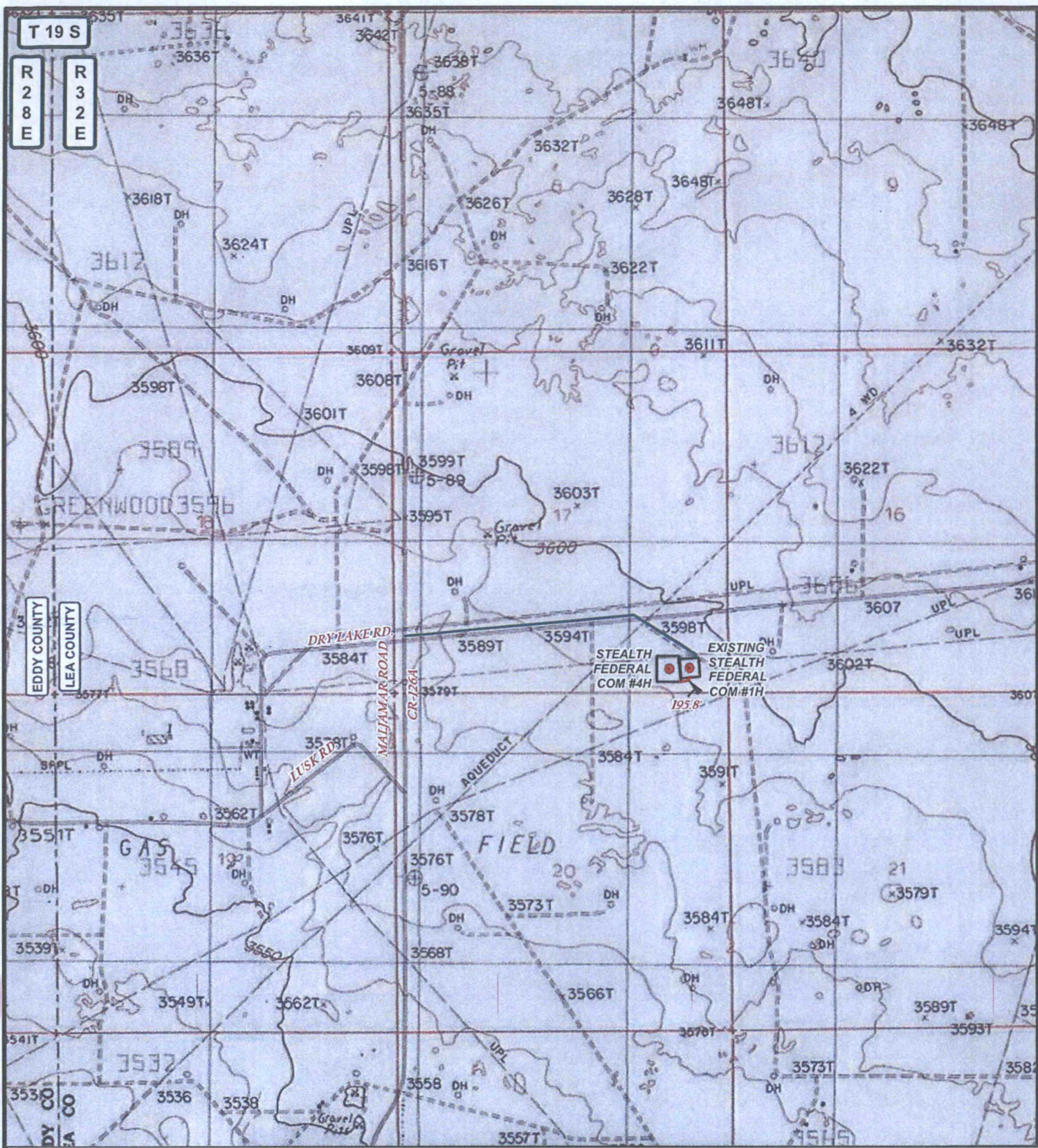


Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777

3/18/16
DATE



COG OPERATING, LLC		
STEALTH FEDERAL COM #4H WELL LOCATED 317 FEET FROM THE SOUTH LINE AND 940 FEET FROM THE EAST LINE OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO		
SURVEY DATE: AUGUST 7, 2015	PAGE: 1 OF 1	
DRAFTING DATE: AUGUST 12, 2015		
APPROVED BY: CH	DRAWN BY: WN	FILE: 16-221



- LEGEND**
- WELL
 - WELLPAD
 - EXISTING ROAD
 - PROPOSED ROAD

STEALTH FEDERAL COM #4H

SEC:17	TWP:19 S.	RGE:32 E.	ELEVATION:3592.0'
STATE: NEW MEXICO		COUNTY: LEA	317' FSL & 940' FEL
W.O. # 15-965		LEASE: STEALTH FED COM	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 TOPO 08/13/2015 A.F

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
- PROPOSED RD.
- EXISTING RD.

STEALTH FED COM #4H ACCESS ROAD

SECTION: 17	TOWNSHIP: 19 S.	RANGE: 32 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-983	LEASE: STEALTH FED COM	

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

EXHIBIT 2

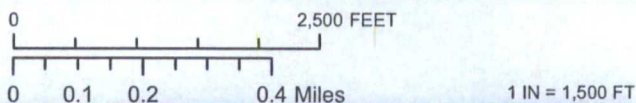


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

STEALTH FEDERAL COM #4H

SEC:17	TWP:19 S.	RGE:32 E.	ELEVATION:3592.0'
STATE: NEW MEXICO		COUNTY: LEA	317' FSL & 940' FEL
W.O. # 15-965	LEASE: STEALTH FED COM	SURVEY: N.M.P.M	



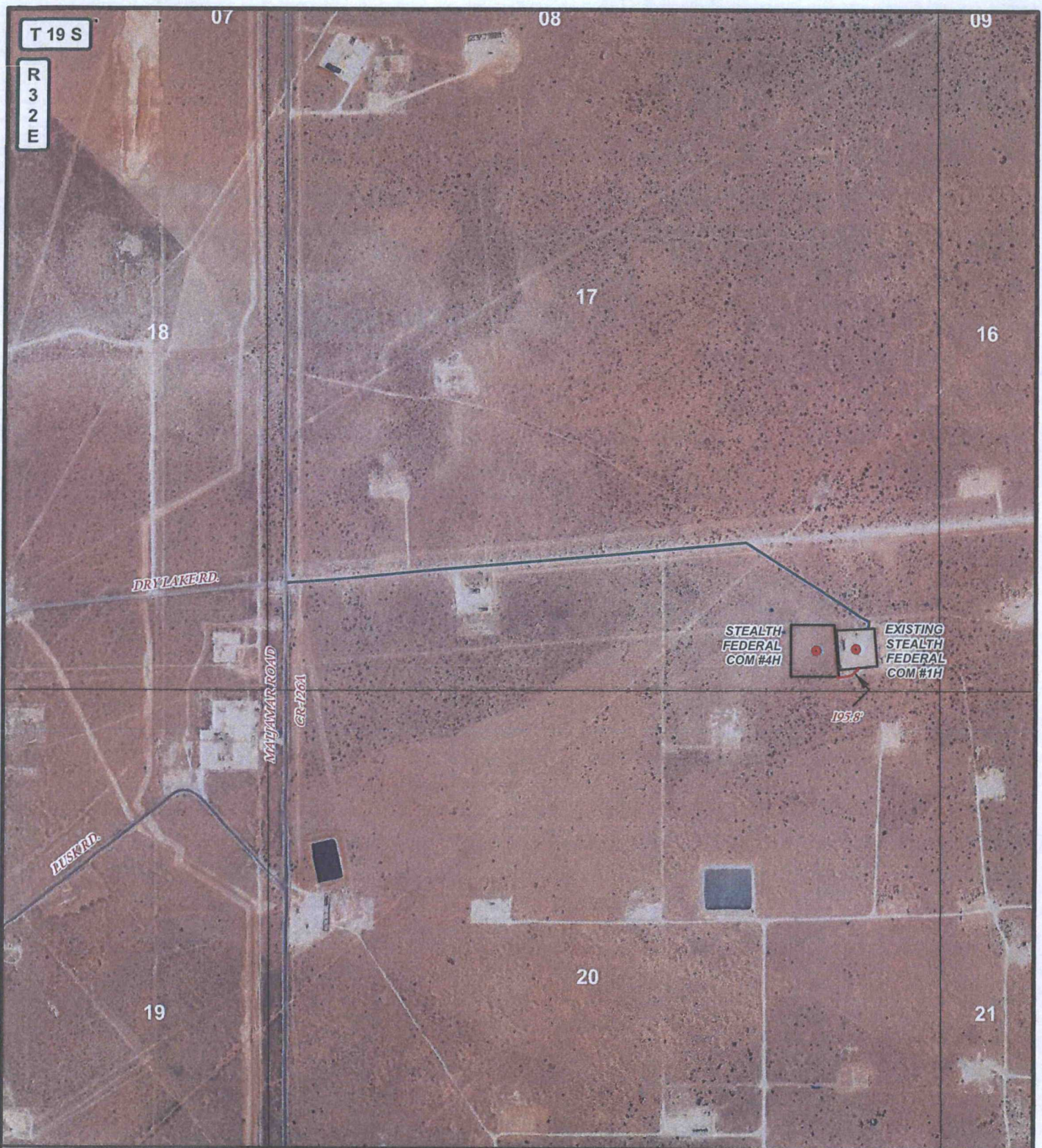
LOCATION MAP TOPO ROAD 08/13/2015 A.F



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 19 S
R 32 E

LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

STEALTH FEDERAL COM #4H

SEC:17	TWP:19 S.	RGE:32 E.	ELEVATION:3592.0'
STATE: NEW MEXICO	COUNTY: LEA	317' FSL & 940' FEL	
W.O. # 15-965	LEASE: STEALTH FED COM	SURVEY: N.M.P.M	

0 2,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 1,000 FT

LOCATION MAP
IMAGERY ROAD
08/13/2015
A.F

CONCHO

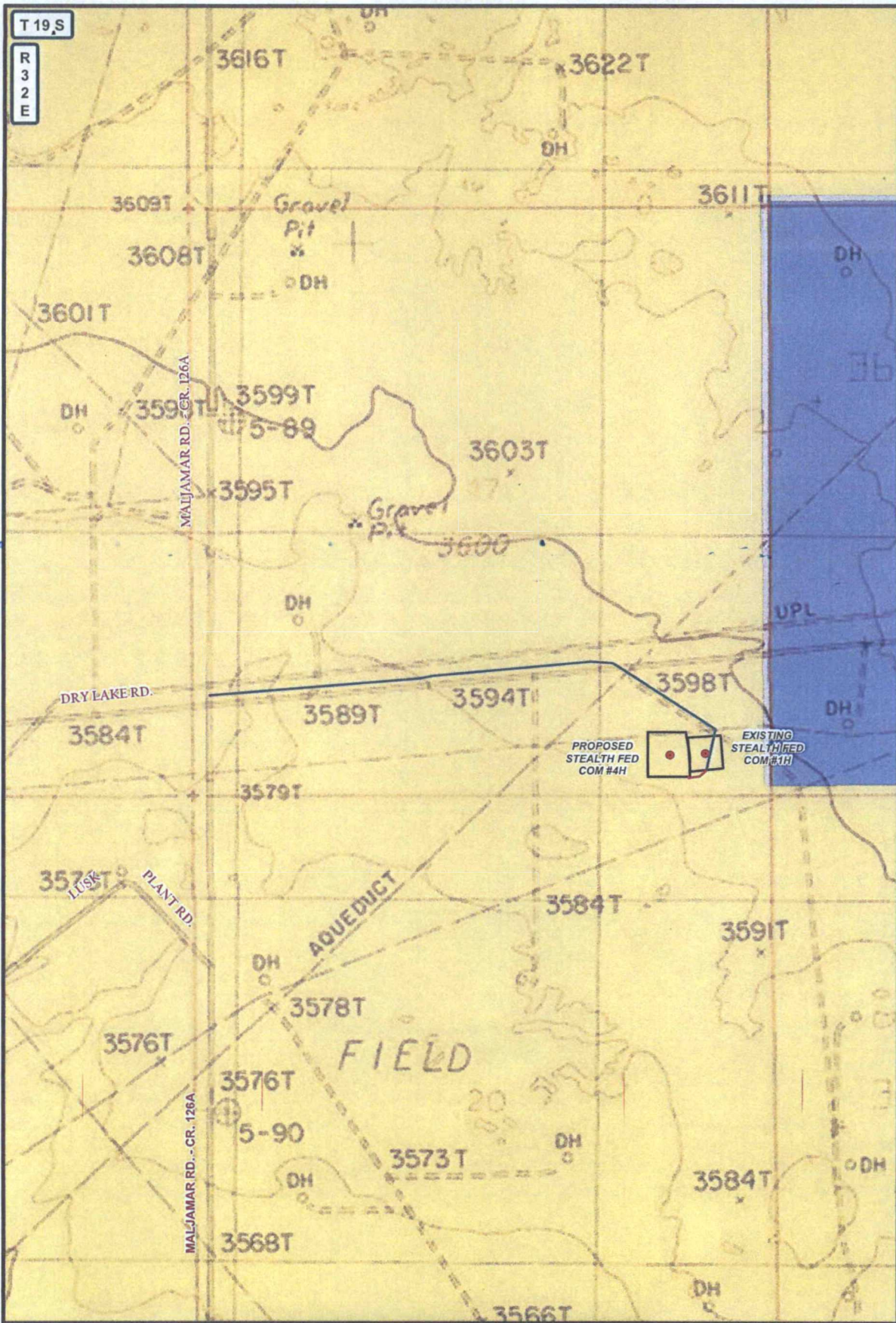
COG OPERATING, LLC

HARCROW SURVEYING, LLC.

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

T 19 S

R
3
2
E



LEGEND

- WELL
- WELLPAD
- PROPOSED RD.
- EXISTING RD.
- PRIVATE
- STATE OF NM
- US BLM

STEALTH FED COM #4H ACCESS ROAD

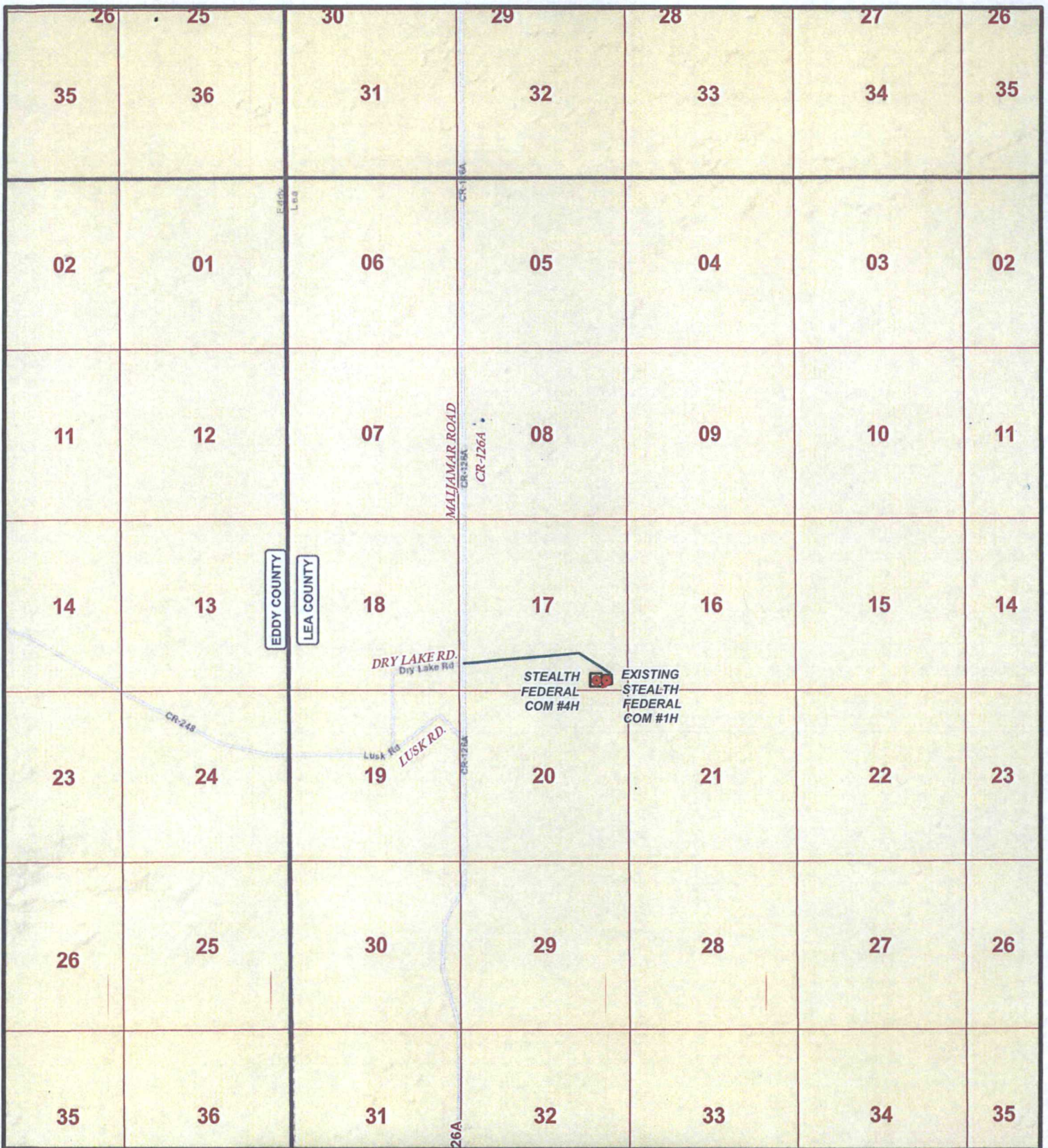
SECTION: 17	TOWNSHIP: 19 S.	RANGE: 32 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-983	LEASE: STEALTH FED COM	

0 0.05 0.1 0.2 Miles 1 IN = 1,000 FT

PIPELINE OVERVIEW LAND STATUS 08/19/2015 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

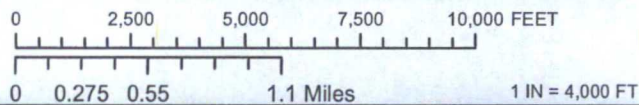


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

STEALTH FEDERAL COM #4H

SEC:17 TWP:19 S. RGE:32 E. ELEVATION:3592.0'
 STATE: NEW MEXICO COUNTY: LEA 317' FSL & 940' FEL
 W.O. # 15-965 LEASE: STEALTH FED COM SURVEY: N.M.P.M

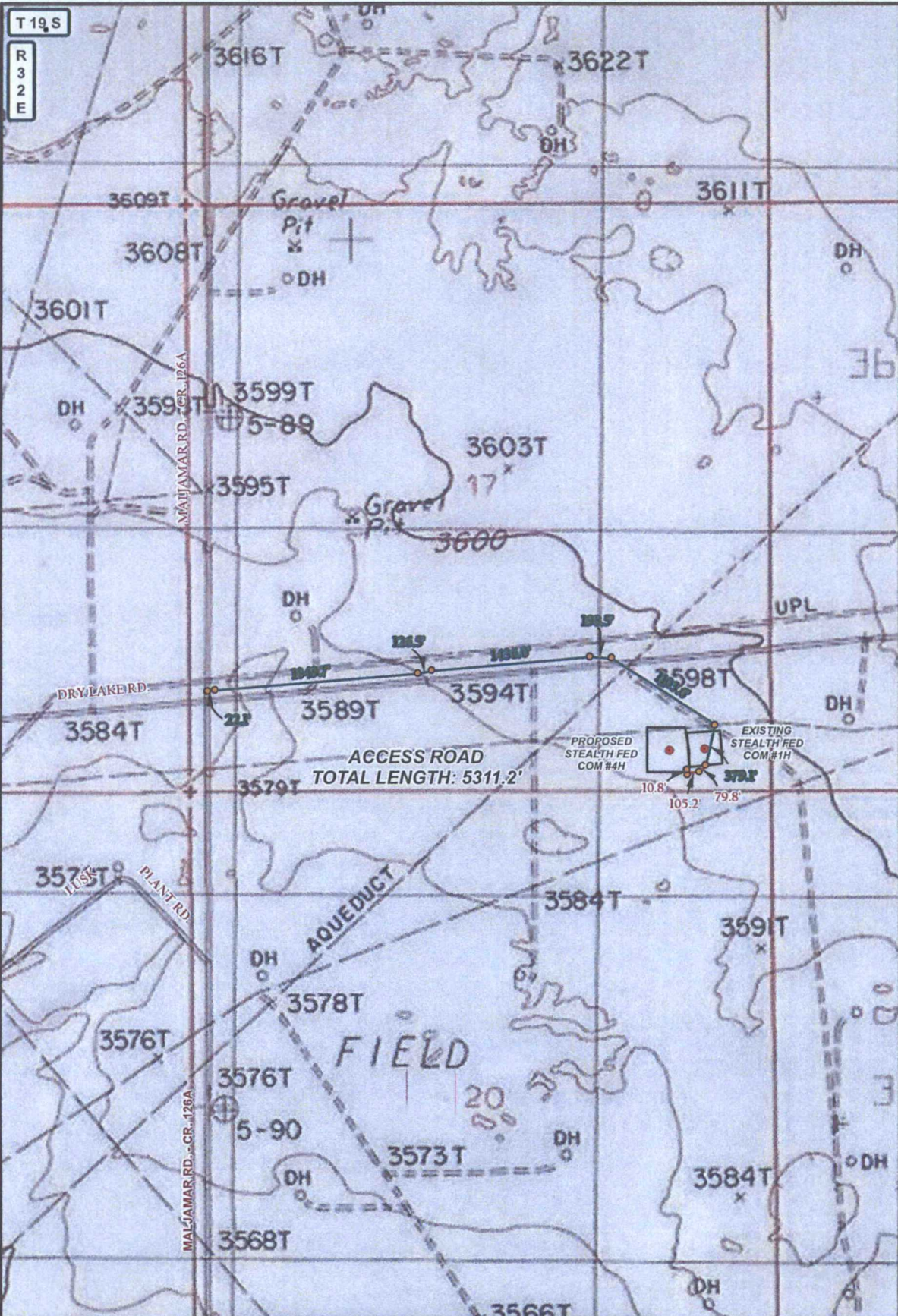


VICINITY MAP

08/13/2015

A.F





LEGEND

- WELL
- WELLPAD
- PROPOSED RD.
- EXISTING RD.

STEALTH FED COM #4H ACCESS ROAD

SECTION: 17	TOWNSHIP: 19 S.	RANGE: 32 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-983	LEASE: STEALTH FED COM	

0 0.05 0.1 0.2 Miles

0 2,500 FEET

1 IN = 1,000 FT

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 19 S

R
3
2
E



DRY LAKERD.

ACCESS ROAD
TOTAL LENGTH: 5311.2'

PROPOSED STEALTH FED COM #4H
EXISTING STEALTH FED COM #1H

10.8°
105.2°
79.8°

3575T LISK PLANT RD.

AQUEDUCT

FIELD

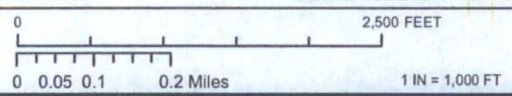
MALJAMAR RD. - CR. 126A

LEGEND

- WELL
- WELLPAD
- PROPOSED RD.
- EXISTING RD.
- PRIVATE
- STATE OF NM
- US BLM

STEALTH FED COM #4H ACCESS ROAD

SECTION: 17 TOWNSHIP: 19 S. RANGE: 32 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M
 W.O. # 15-983 LEASE: STEALTH FED COM



PIPELINE OVERVIEW LAND STATUS 08/19/2015 S.P.

CONCHO
 COG OPERATING, LLC

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

T 19 S

R
3
2
E

07

08

09

17

16

18

DRY LAKE RD.

MALJAMAR RD. - CR. 126A

MALJAMAR RD. - CR. 126A

DUSK BLANTRD.

20

21

19

ACCESS ROAD
TOTAL LENGTH: 5311.2'

PROPOSED
STEALTH FED
COM #4H

EXISTING
STEALTH FED
COM #1H

10.8'
1052'
79.8'

LEGEND

- WELL
- WELLPAD
- PROPOSED RD.
- EXISTING RD.

STEALTH FED COM #4H ACCESS ROAD

SECTION: 17	TOWNSHIP: 19 S.	RANGE: 32 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 15-983	LEASE: STEALTH FED COM	

0 0.05 0.1 0.2 Miles 0 2,500 FEET

1 IN = 1,000 FT

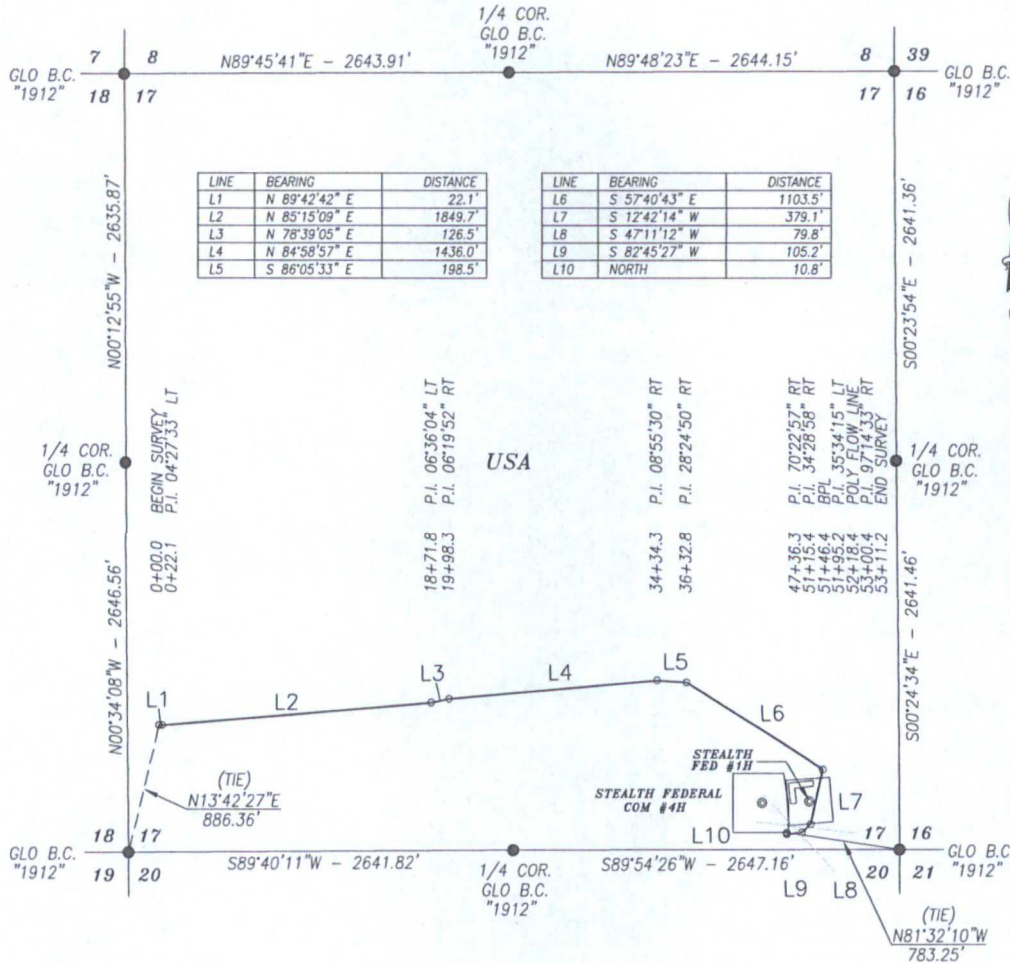
PIPELINE OVERVIEW IMAGERY 08/19/2015 S.P.

CONCHO
COG OPERATING, LLC

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

ROAD PLAT COG OPERATING, LLC

ROAD FROM C.R. 126A MALJAMMAR ROAD TO THE STEALTH FEDERAL COM #4H IN
SECTION 17, TOWNSHIP 19 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 5311.2 FEET OR 321.89 RODS OR 1.006 MILES IN LENGTH CROSSING USA LAND IN SECTION 17, TOWNSHIP 19 SOUTH, RANGE 26 EAST, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

BASIS OF BEARING:

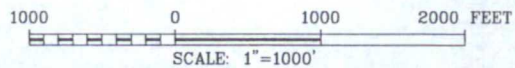
BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

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.

HARCROW SURVEYING, LLC

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



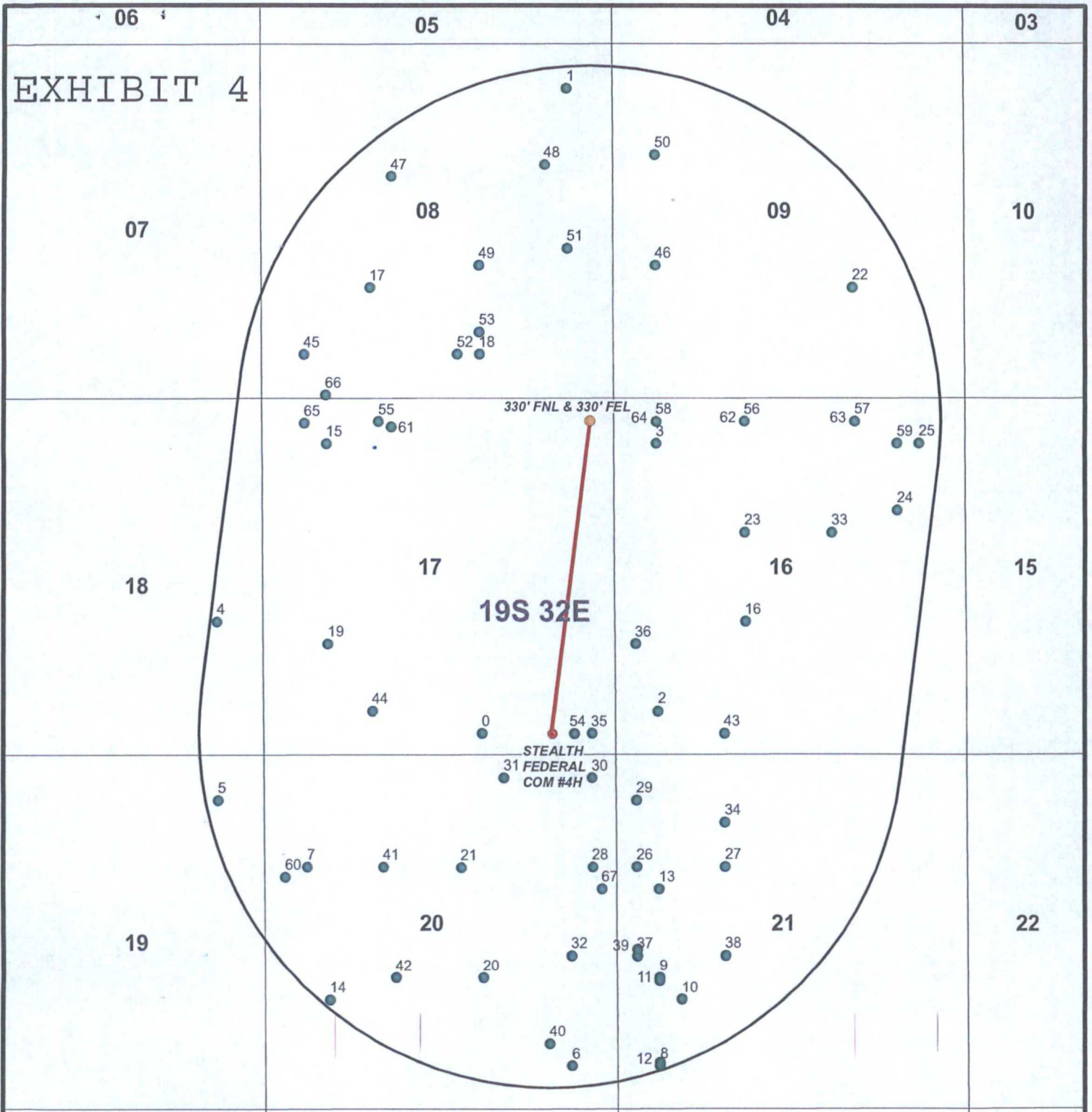
COG OPERATING, LLC	
SURVEY OF A PROPOSED PIPELINE LOCATED IN SECTION 17, TOWNSHIP 19 SOUTH, RANGE 26 EAST, EDDY COUNTY, NMPM, NEW MEXICO	
SURVEY DATE: AUGUST 7, 2015	
DRAFTING DATE: AUGUST 18, 2015	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: VD
	FILE: 15-983



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

8/31/15
DATE

EXHIBIT 4



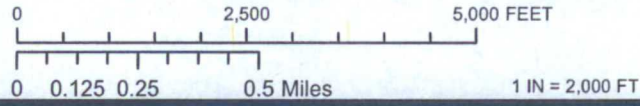
DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JULY 12, 2015.

LEGEND

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

STEALTH FEDERAL COM #4H

SEC:17	TWP:19 S.	RGE:32 E.	ELEVATION:3592.0'
STATE: NEW MEXICO		COUNTY: LEA	317' FSL & 940' FEL
W.O. # 15-965		LEASE: STEALTH FED COM	SURVEY: N.M.P.M



1 MILE MAP

08/13/2015

A.F



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

55 Point	COG OPERATING LLC	LUSK DEEP UNIT A 022H	32.66682	-103.791219	3002540705	17	19.05	32E	330 N	1770 W	13670 New (Not drilled or compl)
56 Point	CIMAREX ENERGY CO. OF COLORADO	STATE DR COM 007	32.666776	-103.773354	3002539794	16	19.05	32E	330 N	1980 W	0 New (Not drilled or compl)
57 Point	CIMAREX ENERGY CO. OF COLORADO	STATE DR COM 008	32.666761	-103.767982	3002539795	16	19.05	32E	330 N	1630 E	0 New (Not drilled or compl)
58 Point	CIMAREX ENERGY CO. OF COLORADO	STATE DR COM 006	32.666789	-103.777664	3002539793	16	19.05	32E	330 N	660 W	0 New (Not drilled or compl)
59 Point	CIMAREX ENERGY CO. OF COLORADO	STATE DR COM 009	32.665848	-103.765589	3002539796	16	19.05	32E	660 N	990 E	9415 New (Not drilled or compl)
60 Point	COG OPERATING LLC	LUSK DEEP UNIT A 025H	32.648269	-103.795874	3002540193	20	19.05	32E	1800 N	330 W	13706 New (Not drilled or compl)
61 Point	COG OPERATING LLC	KING AIR 8 FEDERAL.COM 003H	32.666599	-103.790598	3002541476	17	19.05	32E	410 N	1960 W	0 New (Not drilled or compl)
62 Point	CIMAREX ENERGY CO. OF COLORADO	STATE DR COM 007H	32.666776	-103.773354	3002541894	16	19.05	32E	330 N	1980 W	0 New (Not drilled or compl)
63 Point	CIMAREX ENERGY CO. OF COLORADO	STATE DR COM 008	32.666761	-103.767982	3002541895	16	19.05	32E	330 N	1630 E	0 New (Not drilled or compl)
64 Point	CIMAREX ENERGY CO. OF COLORADO	STATE DR COM 006H	32.666789	-103.777664	3002541893	16	19.05	32E	330 N	660 W	0 New (Not drilled or compl)
65 Point	COG OPERATING LLC	LUSK DEEP UNIT A 029H	32.66676	-103.794843	3002541563	17	19.05	32E	355 N	660 W	9244 New (Not drilled or compl)
66 Point	COG OPERATING LLC	KING AIR 8 FEDERAL.COM 004H	32.667893	-103.793794	3002542200	8	19.05	32E	58 S	982 W	9234 New (Not drilled or compl)
67 Point	COG OPERATING LLC	LUSK DEEP UNIT A 035H	32.64774	-103.780389	3002542211	20	19.05	32E	1980 N	190 E	8544 New (Not drilled or compl)