

COG OPERATING LLC

Way South State Com 706H, 709H & 710H

Section 19, 30 & 31-T26S-28E

Eddy County, New Mexico



BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING MAY 2, 2019

CASE NO. 20419



**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF COG OPERATING LLC
FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 20419

AFFIDAVIT OF TRAVIS MACHA

Travis Macha, of lawful age and being first duly sworn, declares as follows:

1. My name is Travis Macha. I work for COG Operating LLC ("COG") as a Landman.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum land matters. My credentials as a petroleum landman have been accepted by the Division and made a matter of record.
3. I am familiar with the applications filed by COG in these matters and familiar with the status of the lands in the subject areas.
4. None of the parties proposed to be pooled in these cases has indicated opposition, therefore I do not expect any opposition at the hearing.
5. COG seeks an order pooling all uncommitted interests in the Wolfcamp formation (Purple Sage; Wolfcamp (Gas) Pool) underlying a 768.56-acre, more or less, standard horizontal spacing unit comprised of the W/2 of Sections 19, 30, and 31, Township 26 South, Range 28 East, NMPM, Eddy County, New Mexico. This horizontal spacing unit will be dedicated to the following three proposed initial wells:

- The **Way South State Com No. 706H** well to be horizontally drilled from a surface location in the SW/4 NE/4 (Unit G) of Section 31 to a bottom hole location in NE/4 NW/4 (Unit C) of Section 19; and
- The **Way South State Com No. 709H** and **Way South State Com No. 710H** wells to be horizontally drilled from a surface location in the SW/4 NW/4 (Unit E) of Section 31 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 19.

6. The completed interval for these wells will comply with the setback requirements imposed by the Special Rules for the Purple Sage; Wolfcamp (Gas) Pool.

7. **COG Exhibit No. 1A** contains draft Form C-102s for the proposed wells.

8. **COG Exhibit No. 1B** identifies the tracts of land comprising the proposed spacing and proration unit in this case. This exhibit also identifies the interest ownership by tract and ultimately by spacing unit. COG is seeking to pool only the working interest owners identified under in the exhibit. COG is not seeking to pool any overriding royalty interest owners because COG has reached an agreement with the only overriding royalty interest owner in the spacing unit.

9. All interest owners that COG seeks to pool are locatable. COG has conducted a diligent search of all public records in Eddy County, including phone directories and computer databases.

10. **COG Exhibit No. 1C** contains sample well proposal letters along with an AFE provided to the working interest owners COG is seeking to pool. The **Way South State Com No. 706H** was originally proposed in February 2019 and was timely re-proposed to reflect COG's plans to drill the well in this W/2 spacing unit. In addition to these

letters, COG has made a diligent effort to reach agreement with the parties it is seeking to pool.

11. The costs reflected in the AFE are consistent with what other operators have incurred for drilling similar horizontal wells in the area in each of these formations.

12. In my opinion, COG has made good faith efforts to reach agreement with the parties it is seeking to pool. If COG reaches an agreement with any of the proposed pool parties before the Division enters an order, I will let the Division know that COG is no longer seeking to pool those parties.

13. No ownership depth severances exist within these proposed spacing and proration units, and there are no unleased mineral interests in the subject acreage.

14. COG has estimated the overhead and administrative costs for drilling and producing the proposed wells at \$7,000 per month while drilling and \$700 per month while producing. These costs are consistent with what other operators are charging in this area for similar wells.

15. I provided the law firm of Holland & Hart LLP a list of names and addresses for the owners that COG seeks to pool and instructed that they be notified of this hearing.

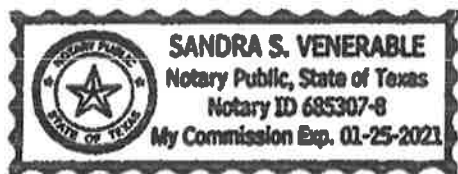
16. COG Exhibit Nos. 1A through 1C were either prepared by me or compiled under my direction and supervision.

FURTHER AFFIANT SAYETH NOT.

Travis Macha
TRAVIS MACHA

STATE OF TEXAS)
COUNTY OF Midland }

SUBSCRIBED and SWORN to before me this 25th day of April 2019 by
Travis Macha.



Sandra S. Venerable
NOTARY PUBLIC

My Commission Expires:

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 478-3460 Fax: (505) 478-3462

Chad Harcrow 3/19/19
Certificate No. CHAD HARCROW 17777
W.O. #19-304 DRAWN BY: AM

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 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	Pool Code	Pool Name
Property Code	Property Name WAY SOUTH STATE COM	Well Number 706H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation 3107.5'

Surface Location

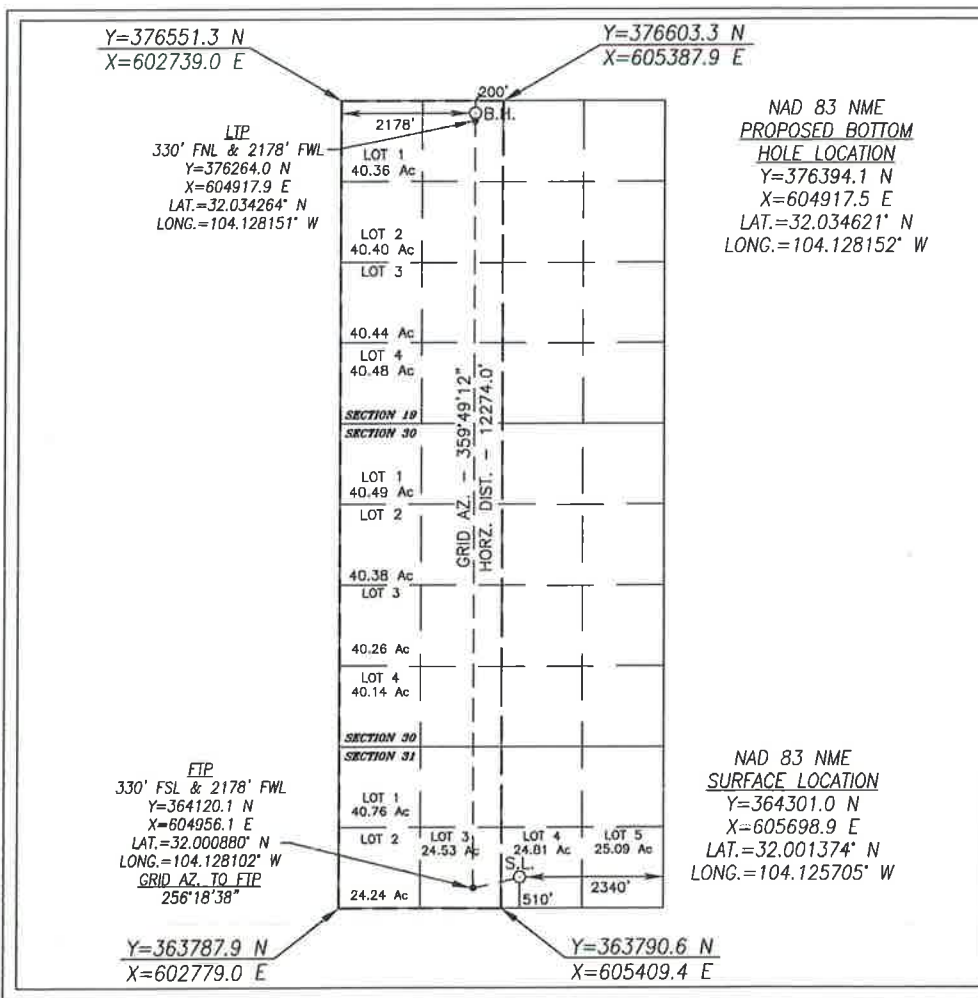
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	31	26-S	28-E		510	SOUTH	2340	EAST	EDDY

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	19	26-S	28-E		200	NORTH	2178	WEST	EDDY

Dedicated Acres	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 _____

Printed Name _____

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.

JANUARY 28, 2019

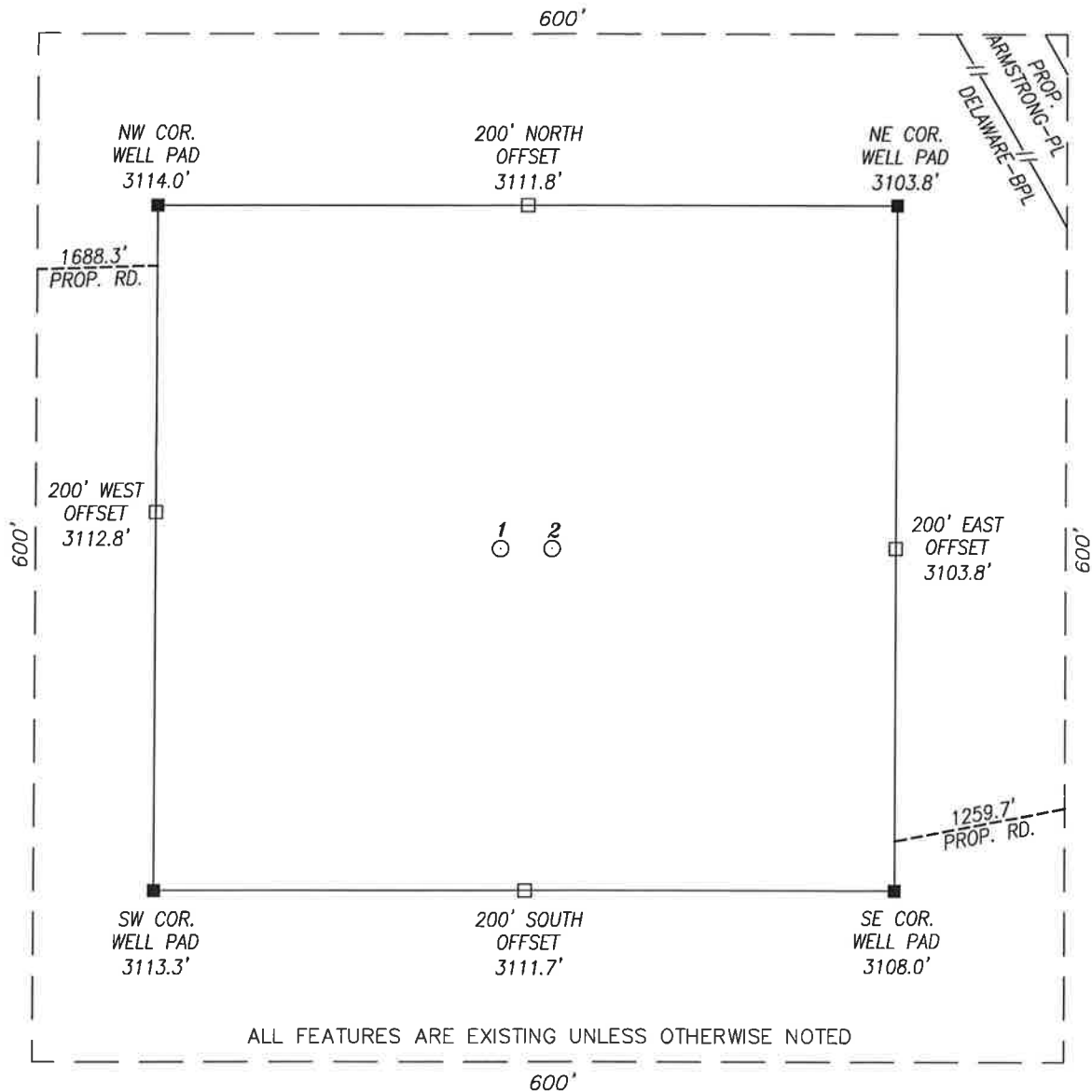
Date of Survey

Signature & Seal of Professional Surveyor



Certificate No. CHAD HARCROW 17777
W.O. #19-304 DRAWN BY: AM

SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY NEW MEXICO

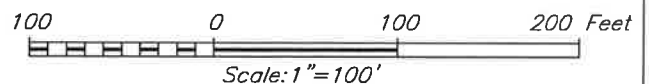


NO.	WELL	FOOTAGE	LAT.	LONG.	ELEV.
1	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	32.001374° N	104.125705° W	3107.5'
2	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	32.001374° N	104.125608° W	3107.5'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 285 AND WHITE CITY RD. (CR. 724) GO WEST ON WHITE CITY RD. FOR APPROX. 3.1 MILES; THEN TURN LEFT AND GO APPROX. 4.5 MILES TO A PROPOSED ROAD. PROPOSED WELLS LIES APPROX. 2360 FEET TO THE WESTERLY.

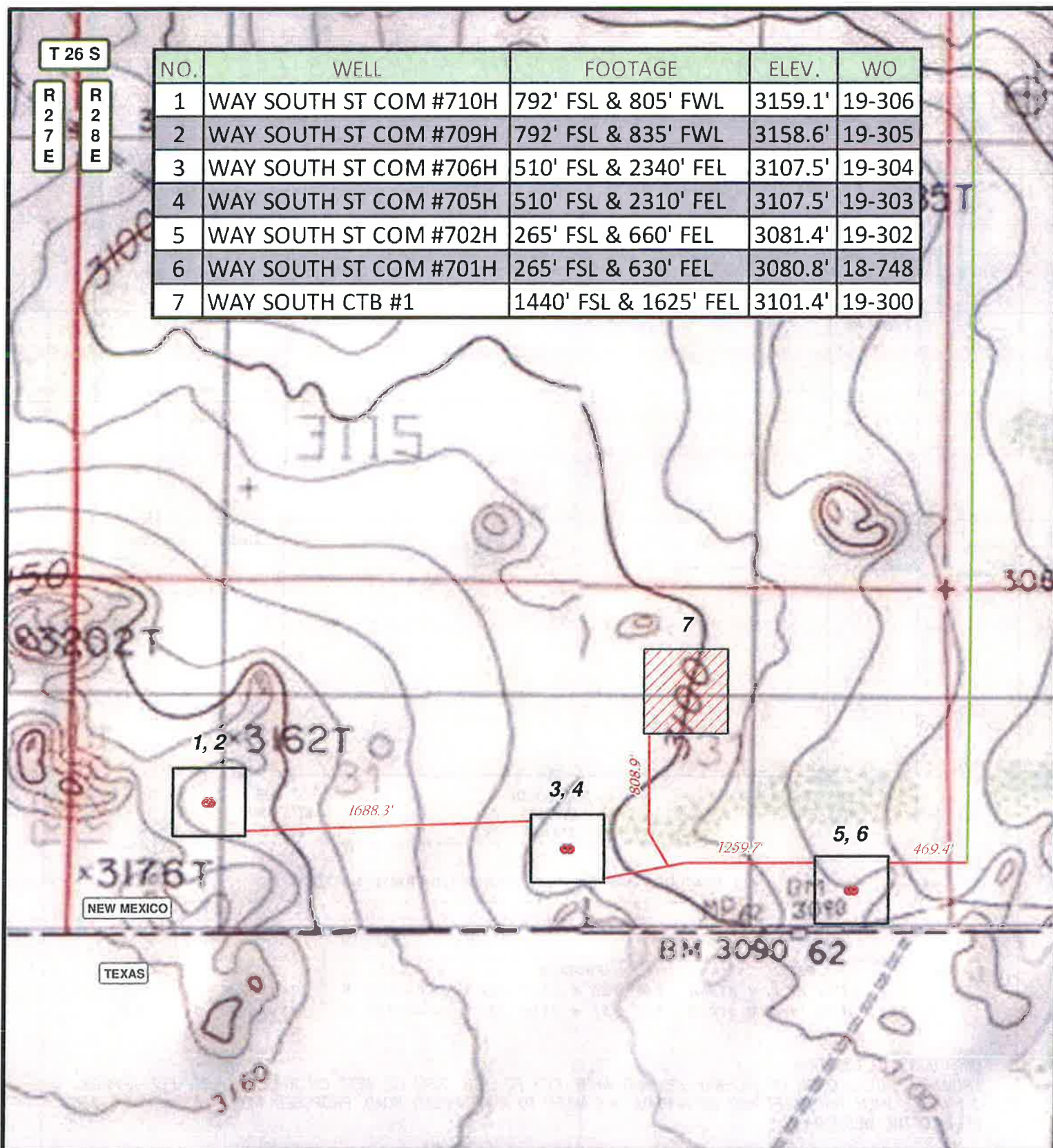
HARCROW SURVEYING, LLC
2314 W. MAIN ST, ARTESIA, N.M. 88210
PH: (575) 746-2158
c.harcrow@harcrowsurveying.com



COG OPERATING, LLC		
SURVEY DATE: FEBRUARY 25, 2019	600S	
DRAFTING DATE: MARCH 12, 2019	PAGE: 1 OF 1	
APPROVED BY: CH	DRAWN BY: AM	FILE: 19-303-304

R
2
8
E

NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300



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

T 26 S

R 27 E

R 28 E

NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300

25

29

36

32

NEW MEXICO

TEXAS

LEGEND



WELL



WELLPAD



EXISTING ROAD



PROPOSED ROAD

WAY SOUTH STATE COM

SECTION: 31

TOWNSHIP: 26 S.

RANGE: 28 E.

STATE: NEW MEXICO

COUNTY: EDDY

SURVEY: N.M.P.M

W.O. # SEE MAP

LEASE: WAY SOUTH ST COM

0 750 1,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 750 FT

LOCATION MAP

IMAGERY

3/13/2019

A.M.



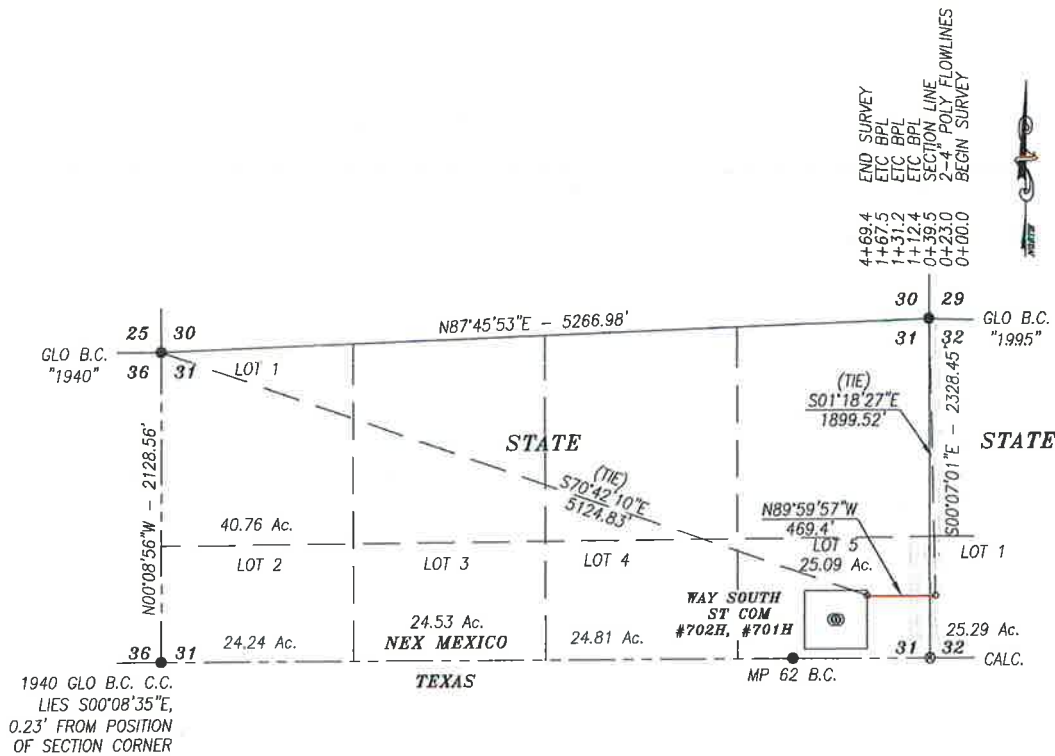
COG OPERATING, LLC



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

ACCESS ROAD PLAT COG OPERATING, LLC

A PROPOSED ROAD FROM AN EXISTING ROAD TO
THE WAY SOUTH ST COM #702H & #701H IN
SECTIONS 32 & 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTIONS 32 & 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 1 OF SECTION 32, WHICH LIES S01°18'27"E 1899.52 FEET FROM THE NORTHWEST CORNER; THEN N89°59'57"W 469.4 FEET, TO A POINT IN LOT 5 OF SECTION 31, WHICH LIES S70°42'10"E 5124.83 FEET FROM NORTHWEST CORNER OF SECTION 31.

SAID STRIP OF LAND BEING 469.4 FEET OR 28.45 RODS IN LENGTH, CONTAINING 0.323 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SECTION 32
LOT 1 2.39 RODS OR 0.027 ACRES

SECTION 31
LOT 5 26.06 RODS OR 0.296 ACRES

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.



Chad Harcrow

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

3/14/19
DATE

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



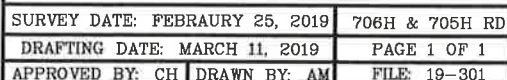
1000 0 1000 2000 FEET
SCALE: 1"=1000'

COG OPERATING, LLC

SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTIONS 32 & 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRAURY 25, 2019	702H & 701H RD
DRAFTING DATE: MARCH 11, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
	FILE: 19-301

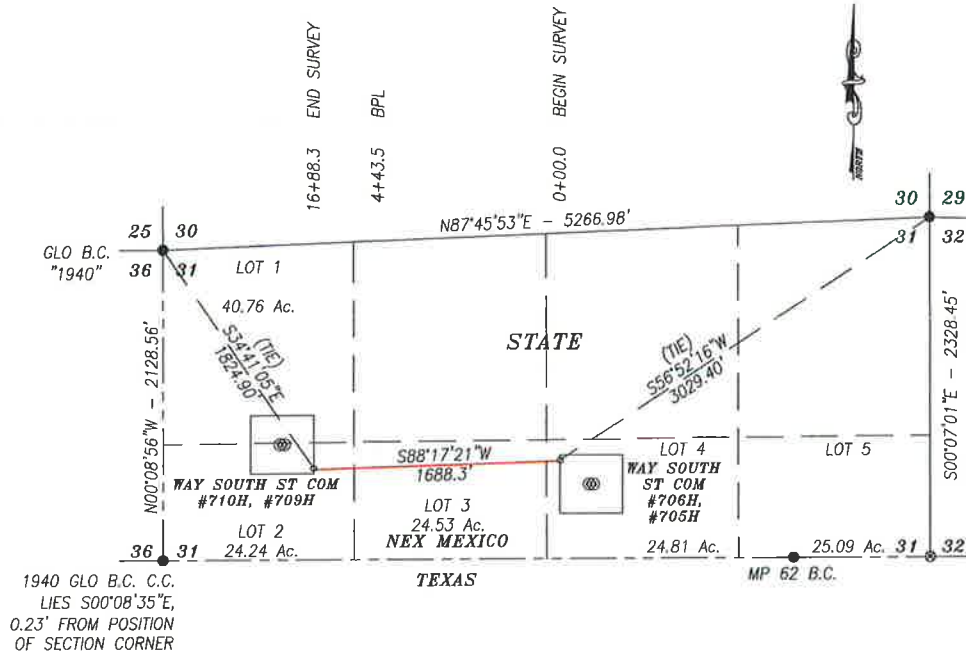
A PROPOSED ROAD FROM THE WAY SOUTH ST COM #702H & #701H TO
THE WAY SOUTH ST COM #706H & #705H IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



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

ACCESS ROAD PLAT COG OPERATING, LLC

A PROPOSED ROAD FROM THE WAY SOUTH ST COM #706H & #705H TO THE
WAY SOUTH ST COM #710H & #709H IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 4 OF SAID SECTION, WHICH LIES S56°52'16\"W 3029.40 FEET FROM THE NORTHEAST CORNER; THEN S88°17'21\"W 1688.3 FEET, TO A POINT IN LOT 2 OF SAID SECTION, WHICH LIES S34°41'05\"E 1824.90 FEET FROM NORTHWEST CORNER.

SAID STRIP OF LAND BEING 1688.3 FEET OR 102.32 RODS IN LENGTH, CONTAINING 1.163 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

LOT 4 5.54 RODS OR 0.063 ACRES LOT 2 17.01 RODS OR 0.193 ACRES
LOT 3 79.77 RODS OR 0.907 ACRES

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
c.harcrow@harcrowsurveying.com



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

COG OPERATING, LLC

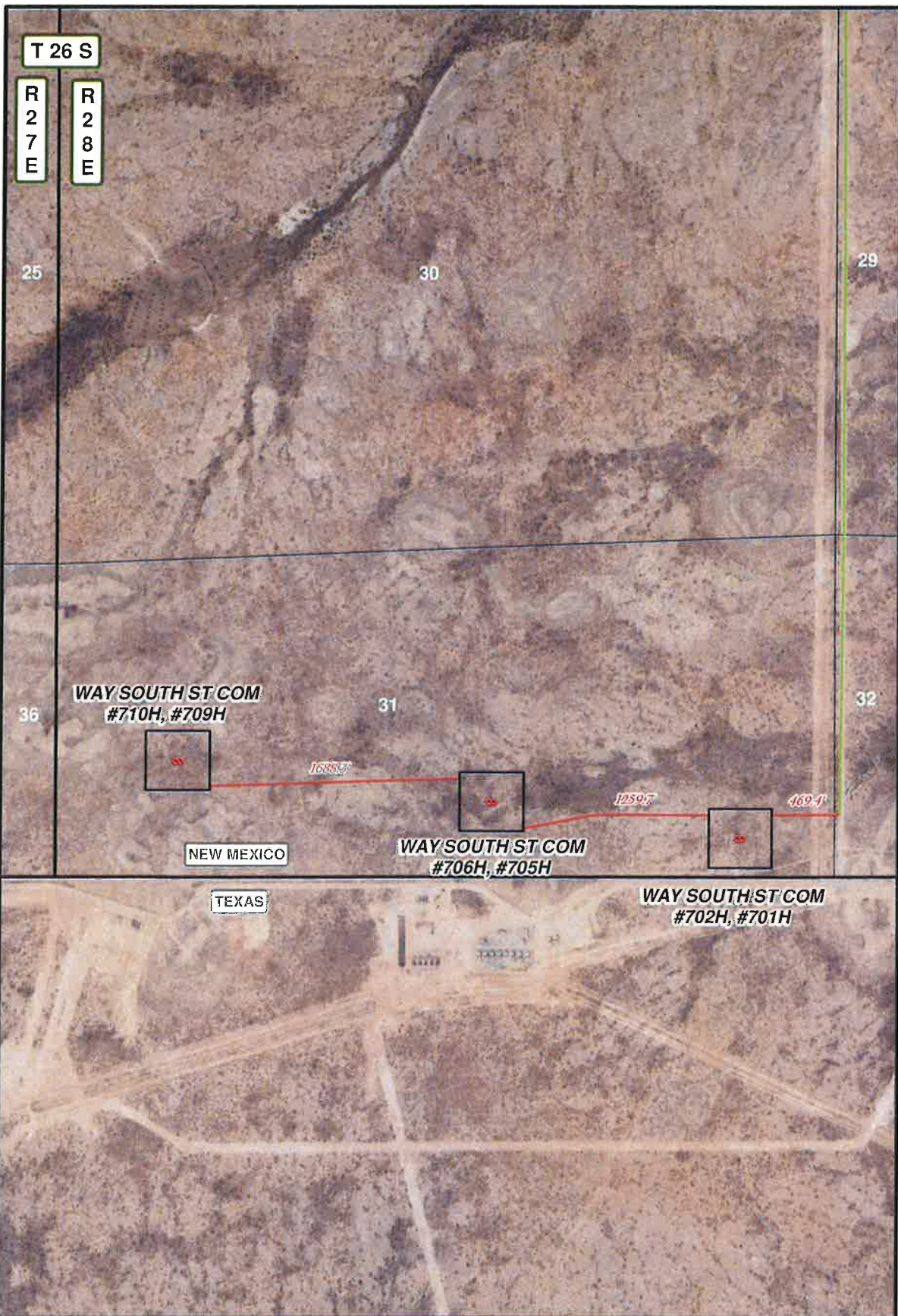
SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRAURY 25, 2019	710H & 709H RD
DRAFTING DATE: MARCH 11, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
	FILE: 19-301

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



3/14/19
DATE

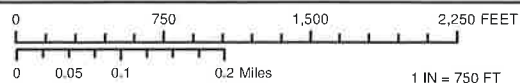


LEGEND

-  WELL
-  WELLPAD
-  ACCESS ROAD

WAY SOUTH STATE COM ACCESS ROADS

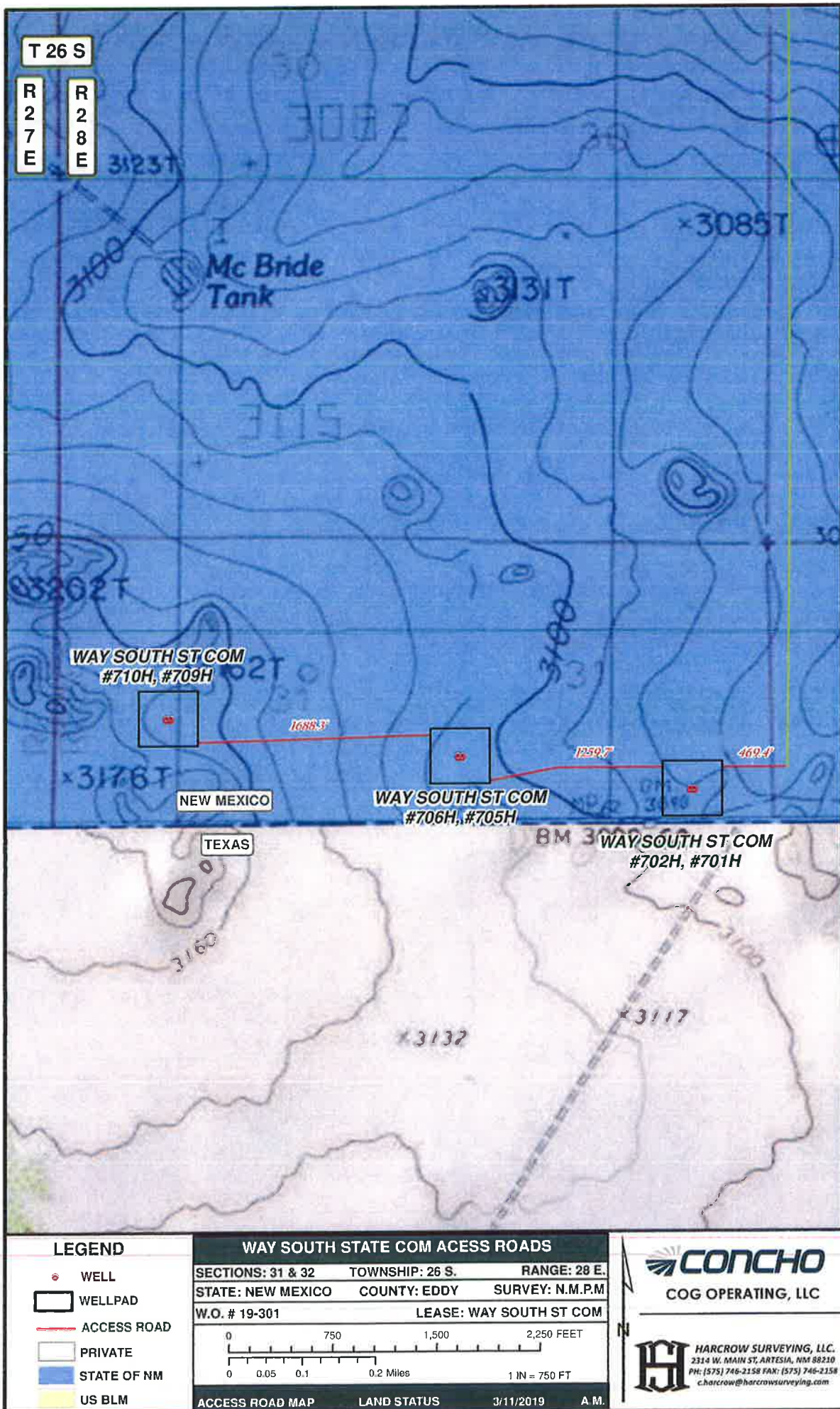
SECTIONS: 31 & 32 TOWNSHIP: 26 S. RANGE: 28 E.
 STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
 W.O. # 19-301 LEASE: WAY SOUTH ST COM



ACCESS ROAD MAP IMAGERY 3/11/2019 A.M.

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 26 S

R 27 E

R 28 E

Mc Bride
Tank

WAY SOUTH ST COM
#710H, #709H

NEW MEXICO

WAY SOUTH ST COM
#706H, #705H

TEXAS

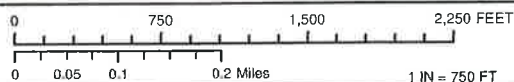
WAY SOUTH ST COM
#702H, #701H

LEGEND

- WELL
- WELLPAD
- ACCESS ROAD
- PRIVATE
- STATE OF NM
- US BLM

WAY SOUTH STATE COM ACCESS ROADS

SECTIONS: 31 & 32 TOWNSHIP: 26 S. RANGE: 28 E.
 STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
 W.O. # 19-301 LEASE: WAY SOUTH ST COM

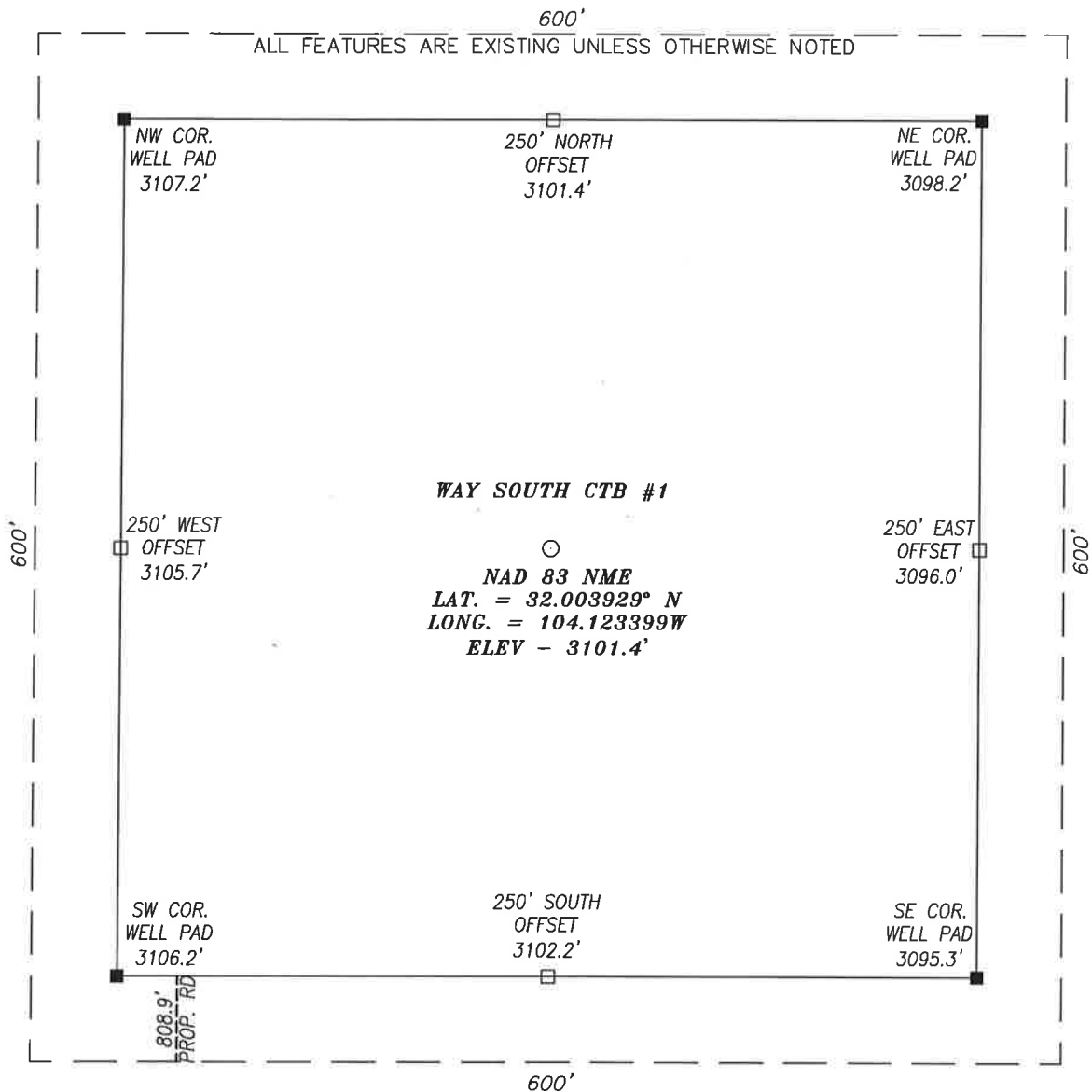


ACCESS ROAD MAP LAND STATUS 3/11/2019 A.M.

CONCHO
 COG OPERATING, LLC

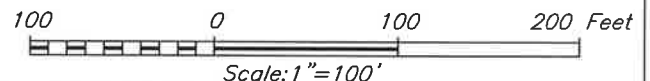
HARCROW SURVEYING, LLC.
 2314 W. MAIN ST, ARTESIA, NM 88210
 PH: (575) 746-2158 FAX: (575) 746-2158
 c.harcrow@harcrowsurveying.com

SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. 285 & WHITES CITY RD. (CR. 724), GO WESTERLY ON WHITES CITY RD. FOR APPROX. 3.1 MILES; THEN GO LEFT (SOUTH) ON CALICHE ROAD FOR APPROX. 4.4 MILES TO A PROPOSED ROAD FOR WAY SOUTH ST COM #701H & #702H; GO APPROX. 0.3 MILES WESTERLY TO PROPOSED CTB ROAD; THE PROPOSED CTB LIES APPROX. 1030 FEET NORTHWEST.



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



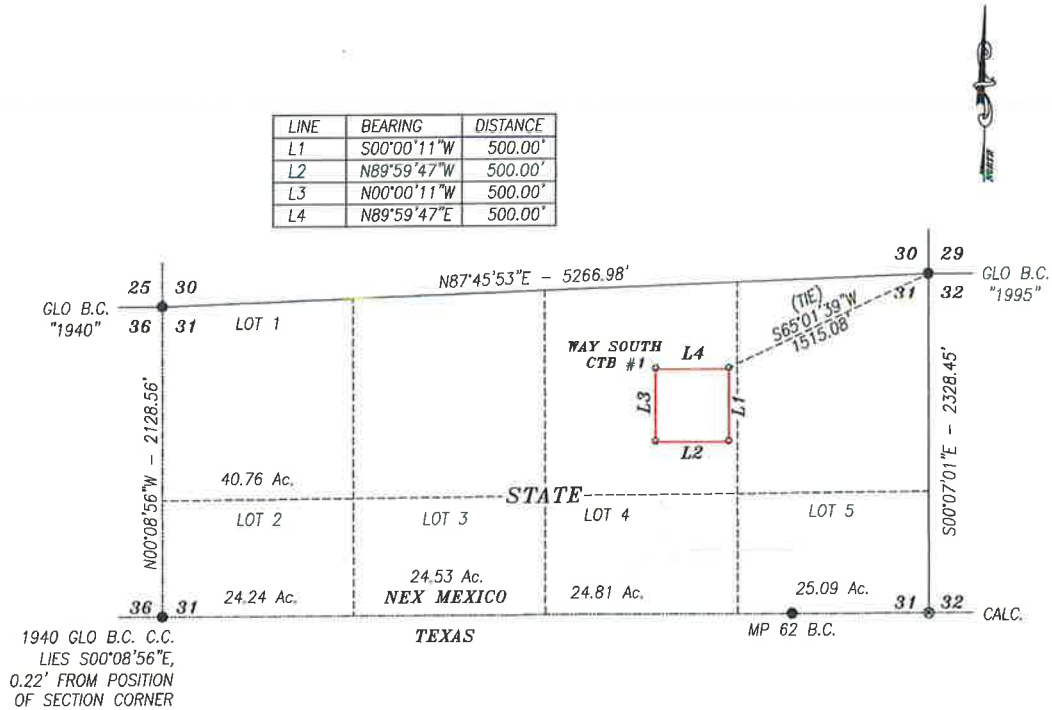
COG OPERATING, LLC

WAY SOUTH CTB #1
LOCATED 1440 FEET FROM THE SOUTH LINE
AND 1625 FEET FROM THE EAST LINE OF SECTION 31,
TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRUARY 26, 2019	600S
DRAFTING DATE: MARCH 8, 2019	PAGE: 1 OF 1
APPROVED BY: CH	DRAWN BY: AM FILE: 19-300

EXHIBIT A
STATE BUSINESS LEASE
COG OPERATING, LLC

A PROPOSED CTB KNOWN AS THE "WAY SOUTH CTB #1" IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A PROPOSED CTB LOCATED WITHIN STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE PROPOSED CTB, WHICH LIES S65°01'39"W 1515.08 FEET FROM THE NORTHEAST CORNER OF SAID SECTION; THEN S00°00'11"W 500.00 FEET; THEN N89°59'47"W 500.00 FEET; THEN N00°00'11"W 500.00 FEET; THEN N89°59'47"E 500.00 FEET TO THE POINT OF BEGINNING.

SAID PAD CONTAINS 5.739 ACRES AND LOCATED ENTIRELY IN THE NW/4 NE/4

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.



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

3/13/19
DATE

HARCROW SURVEYING, LLC

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



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

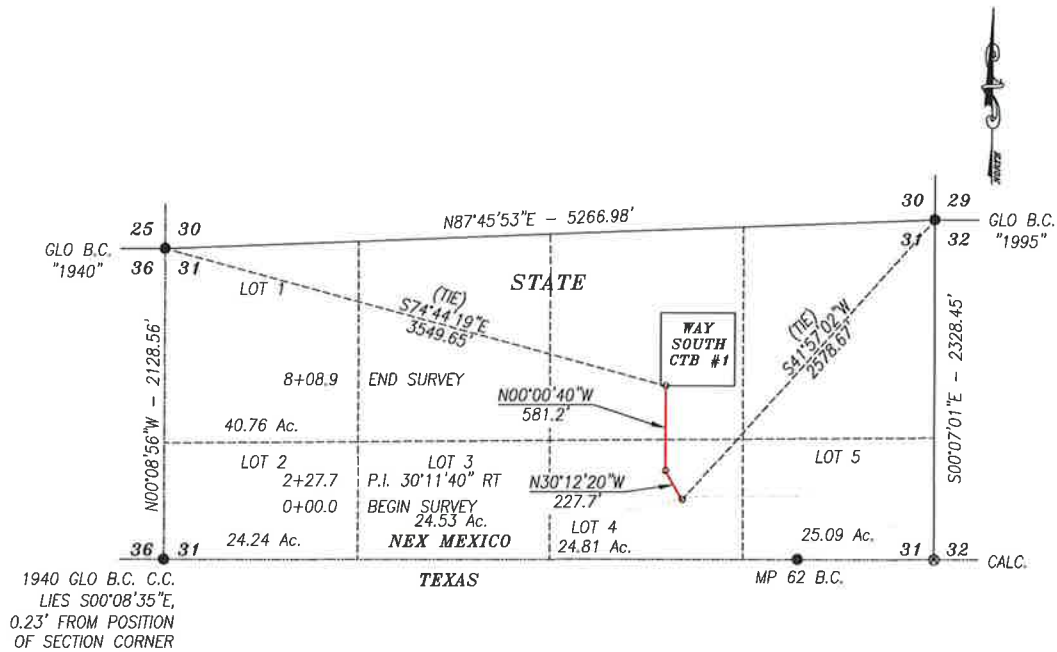
COG OPERATING, LLC

SURVEY OF A PROPOSED CTB LOCATED IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST,
NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRUARY 26, 2019	SBL EX A
DRAFTING DATE: MARCH 8, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
	FILE: 19-300

EXHIBIT B
ACCESS ROAD PLAT
COG OPERATING, LLC

A PROPOSED ROAD FROM A PROPOSED ROAD TO THE WAY SOUTH CTB #1 IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 4 OF SAID SECTION, WHICH LIES S41°57'02\"W 2578.67 FEET FROM THE SOUTHEAST CORNER; THEN N30°12'20\"W 227.7 FEET; THEN N00°00'40\"W 581.2 FEET, TO A POINT IN THE NW/4 NE/4 OF SAID SECTION, WHICH LIES S74°44'19\"E 3549.65 FEET FROM NORTHWEST CORNER.

SAID STRIP OF LAND BEING 808.9 FEET OR 49.02 RODS IN LENGTH, CONTAINING 0.557 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

LOT 1 26.70 RODS OR 0.303 ACRES NW/4 NE/4 22.32 RODS OR 0.254 ACRES

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.



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

3/13/19
DATE

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



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

COG OPERATING, LLC

SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST,
NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRUARY 26, 2019	SBL B
DRAFTING DATE: MARCH 8, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM FILE: 19-300

T 26 S

R
2
8
E

29

30

WAY SOUTH
CTB #1



31

32

19-301

NEW MEXICO

TEXAS

LEGEND



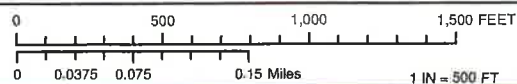
TANK BATTERY



ACCESS ROAD

WAY SOUTH CTB #1

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.
STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M.
W.O. # 19-300 LEASE: WAY SOUTH



ACCESS ROAD MAP

IMAGERY

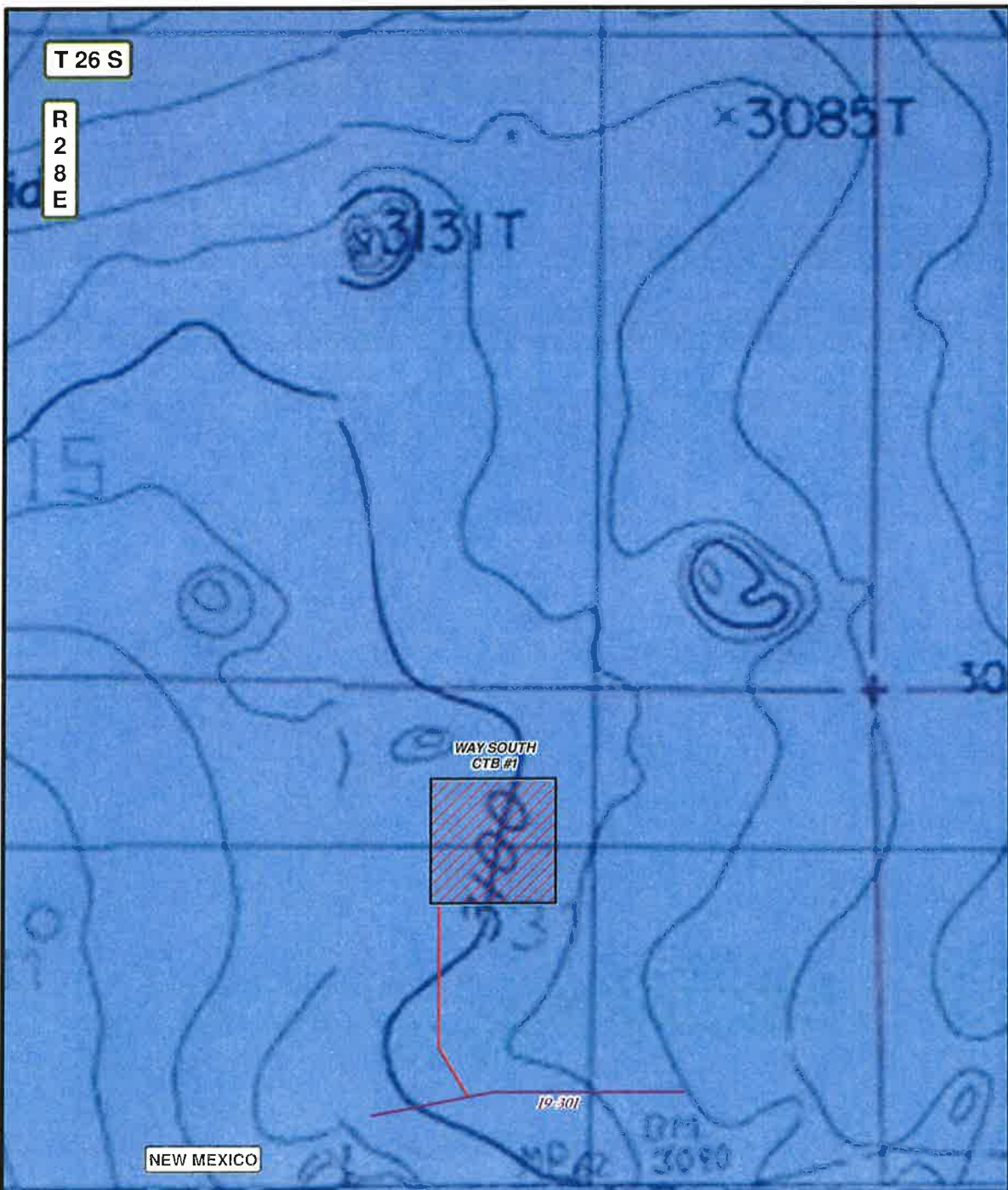
3/9/2019

A.M.

 **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		WAY SOUTH CTB #1	
	TANK BATTERY	SECTION: 31	TOWNSHIP: 26 S.
	ACCESS ROAD	RANGE: 28 E.	
	PRIVATE	STATE: NEW MEXICO	COUNTY: EDDY
	STATE OF NM	SURVEY: N.M.P.M	
	US BLM	W.O. # 19-300	LEASE: WAY SOUTH
		1 IN = 500 FT	
		ACCESS ROAD MAP LAND STATUS 3/9/2019 A.M.	

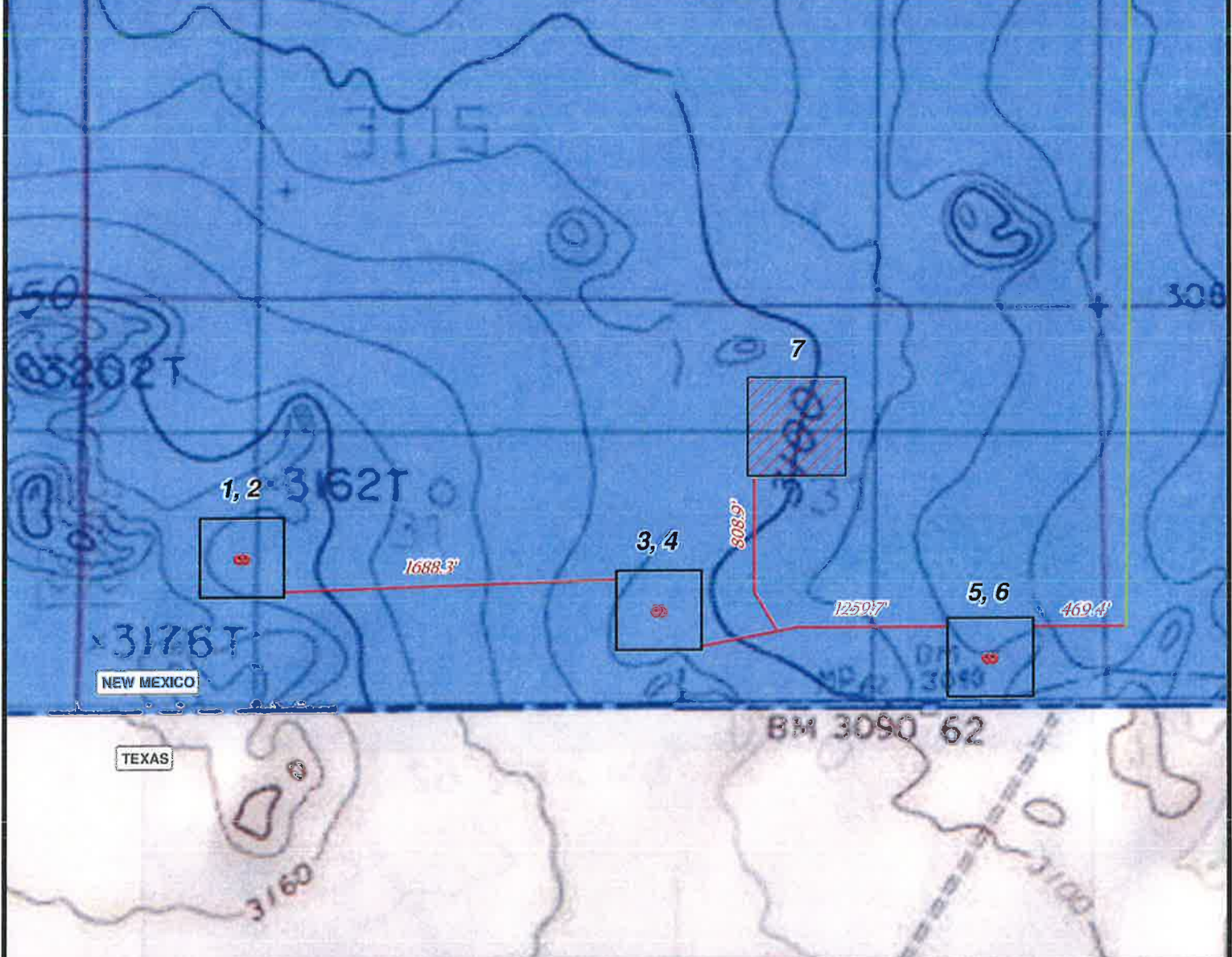
COG OPERATING, LLC

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

T 26 S

R
2
7
ER
2
8
E

NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300

**LEGEND**

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

WAY SOUTH STATE COM

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.

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

W.O. # SEE MAP

LEASE: WAY SOUTH ST COM

0 750 1,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 750 FT

LOCATION MAP

LAND STATUS

3/13/2019

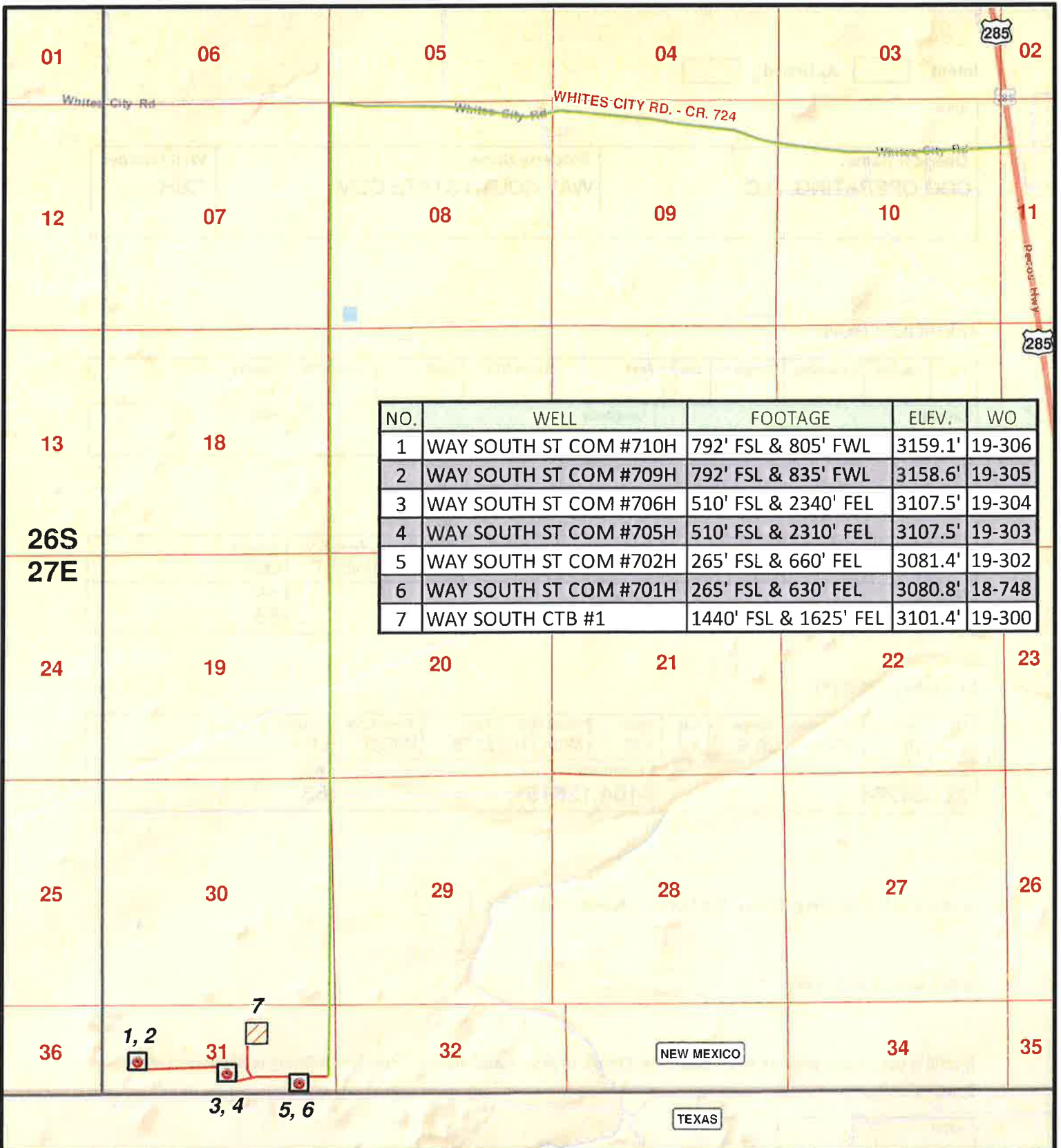
A.M.



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



NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300

LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

WAY SOUTH STATE COM

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.
 STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
 W.O. # SEE MAP LEASE: WAY SOUTH ST COM

0 3,000 6,000 9,000 FEET

0 0.2 0.4 0.8 Miles 1 IN = 3,000 FT

LOCATION MAP

VICINITY

3/13/2019

A.M.

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

Intent ☐ As Drilled ☐

API #			
Operator Name: COG OPERATING, LLC		Property Name: WAY SOUTH STATE COM	Well Number 706H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL 4	Section 31	Township 26-S	Range 28-E	Lot	Feet 330	From N/S SOUTH	Feet 2178	From E/W WEST	County LEA
Latitude 32.000880					Longitude -104.128102				NAD 83

Last Take Point (LTP)

UL C	Section 19	Township 26-S	Range 28-E	Lot	Feet 330	From N/S NORTH	Feet 2178	From E/W WEST	County LEA
Latitude 32.034264					Longitude -104.128151				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #			
Operator Name:		Property Name:	Well Number

KZ 06/29/2018

DISTRICT I
1625 N. FRENCH DR., BOBBS, NM 88240
Phone: (505) 393-6181 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) 476-3400 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	Pool Code	Pool Name
Property Code	Property Name WAY SOUTH STATE COM	Well Number 709H
GRID No.	Operator Name COG OPERATING, LLC	Elevation 3158.6'

Surface Location

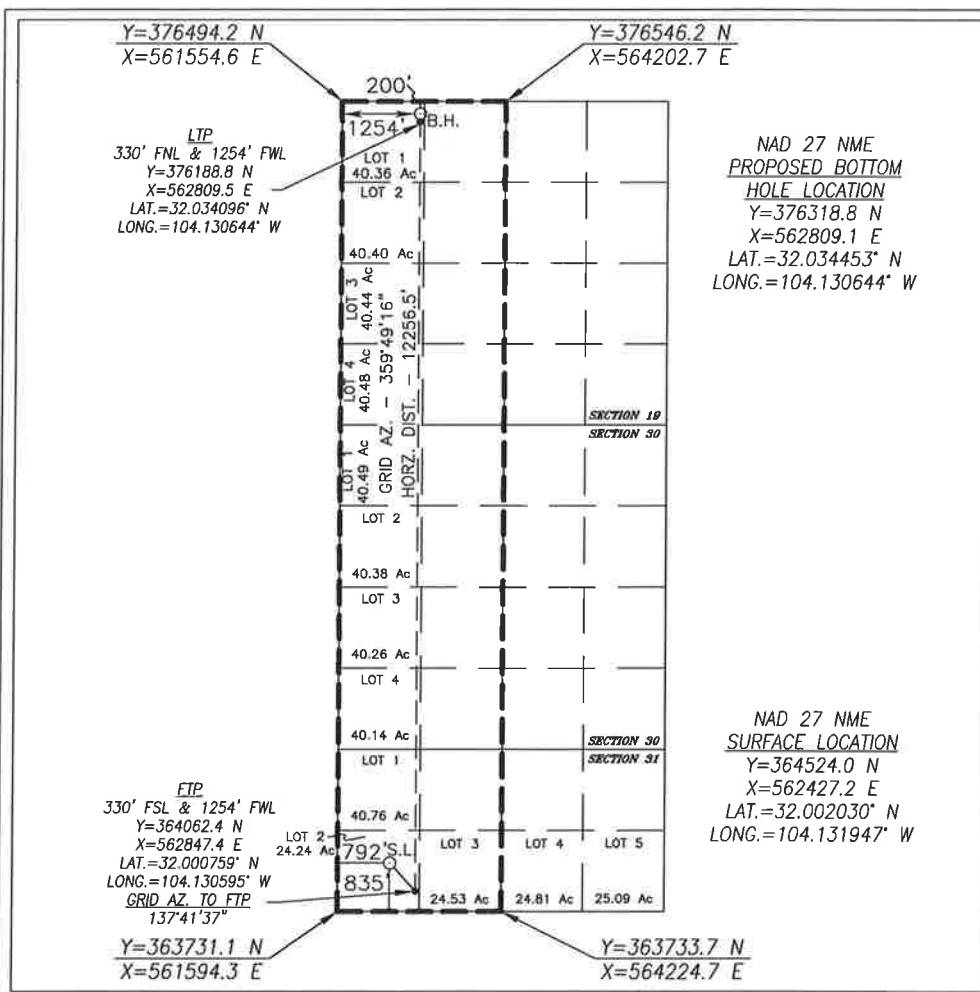
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	31	26-S	28-E		792	SOUTH	835	WEST	EDDY

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
1	19	26-S	28-E		200	NORTH	1254	WEST	EDDY

Dedicated Acres	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 _____

Printed Name _____

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.

FEBRUARY 25, 2019

Date of Survey

Signature & Seal of Professional Surveyor



Chad L. Harcrow 3/19/19
Certificate No. CHAD HARCROW 17777
W.O. # 19-305 DRAWN BY: AM

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) 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	Pool Code	Pool Name
Property Code	Property Name WAY SOUTH STATE COM	Well Number 709H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation 3158.6'

Surface Location

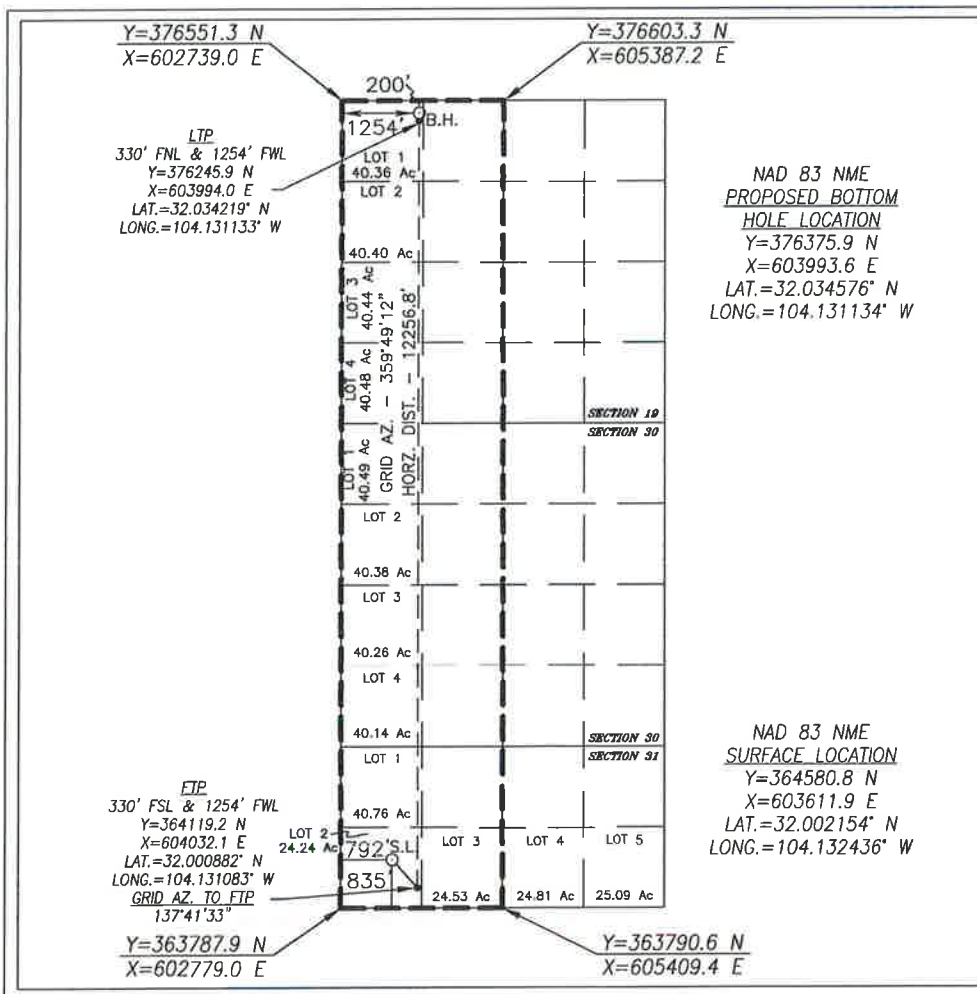
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	31	26-S	28-E		792	SOUTH	835	WEST	EDDY

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
1	19	26-S	28-E		200	NORTH	1254	WEST	EDDY

Dedicated Acres	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 unless 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

Printed Name

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.

FEBRUARY 25, 2019

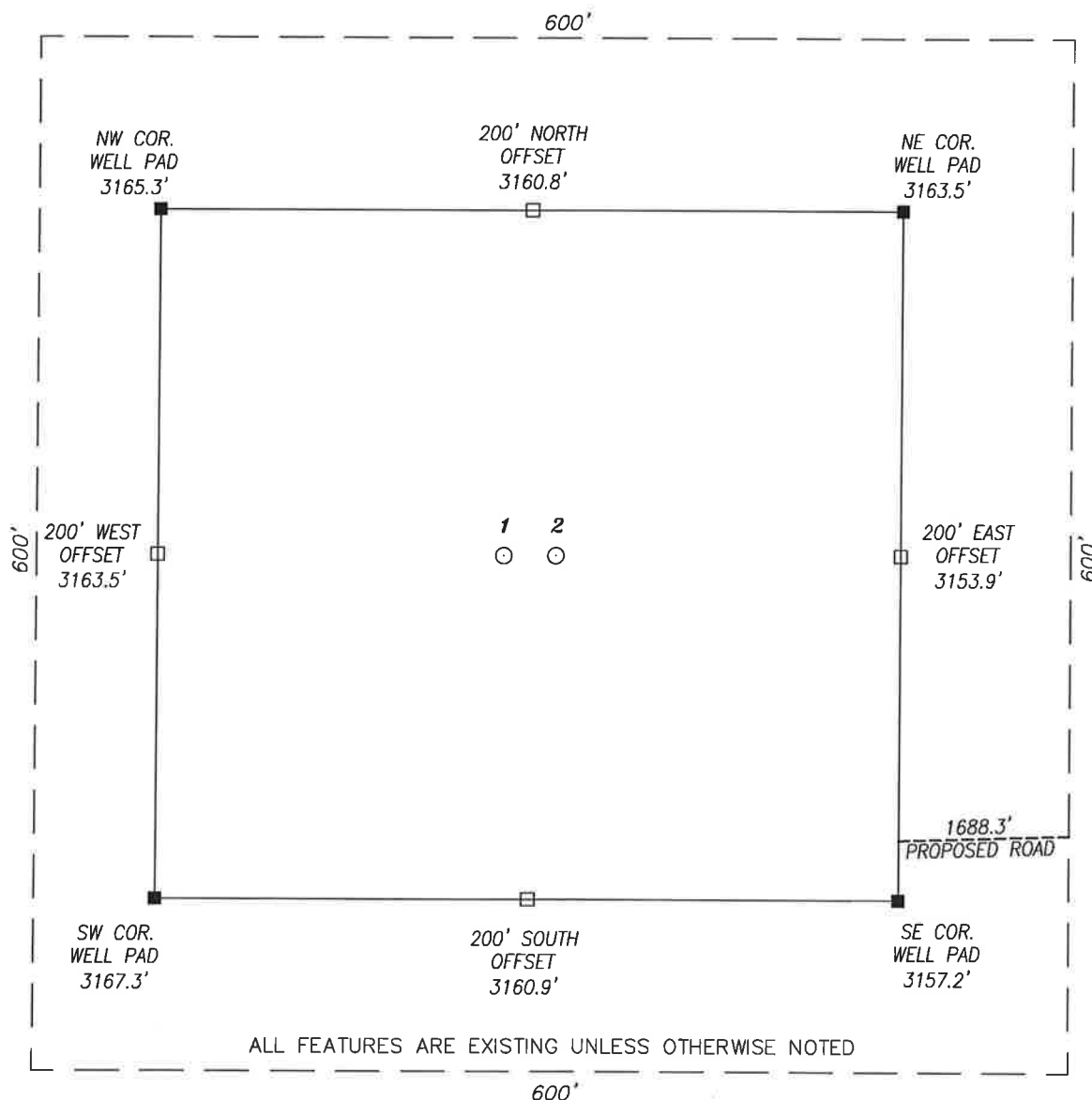
Date of Survey

Signature & Seal of Professional Surveyor



Chad L. Hargrow 3/19/19
Certificate No. CHAD HARGROW 17777
W.O. # 19-305 DRAWN BY: AM

SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY NEW MEXICO

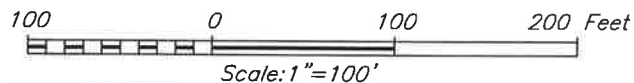


NO.	WELL	FOOTAGE	LAT.	LONG.	ELEV.
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	32.002154° N	104.132533° W	3159.1'
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	32.002154° N	104.132436° W	3158.6'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 285 AND WHITE CITY RD. (CR. 724) GO EAST ON WHITE CITY RD. FOR APPROX. 3.1 MILES; THEN TURN LEFT AND GO APPROX. 4.5 MILES TO A PROPOSED ROAD. PROPOSED WELLS LIES APPROX. 4480 FEET TO THE WESTERLY.

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

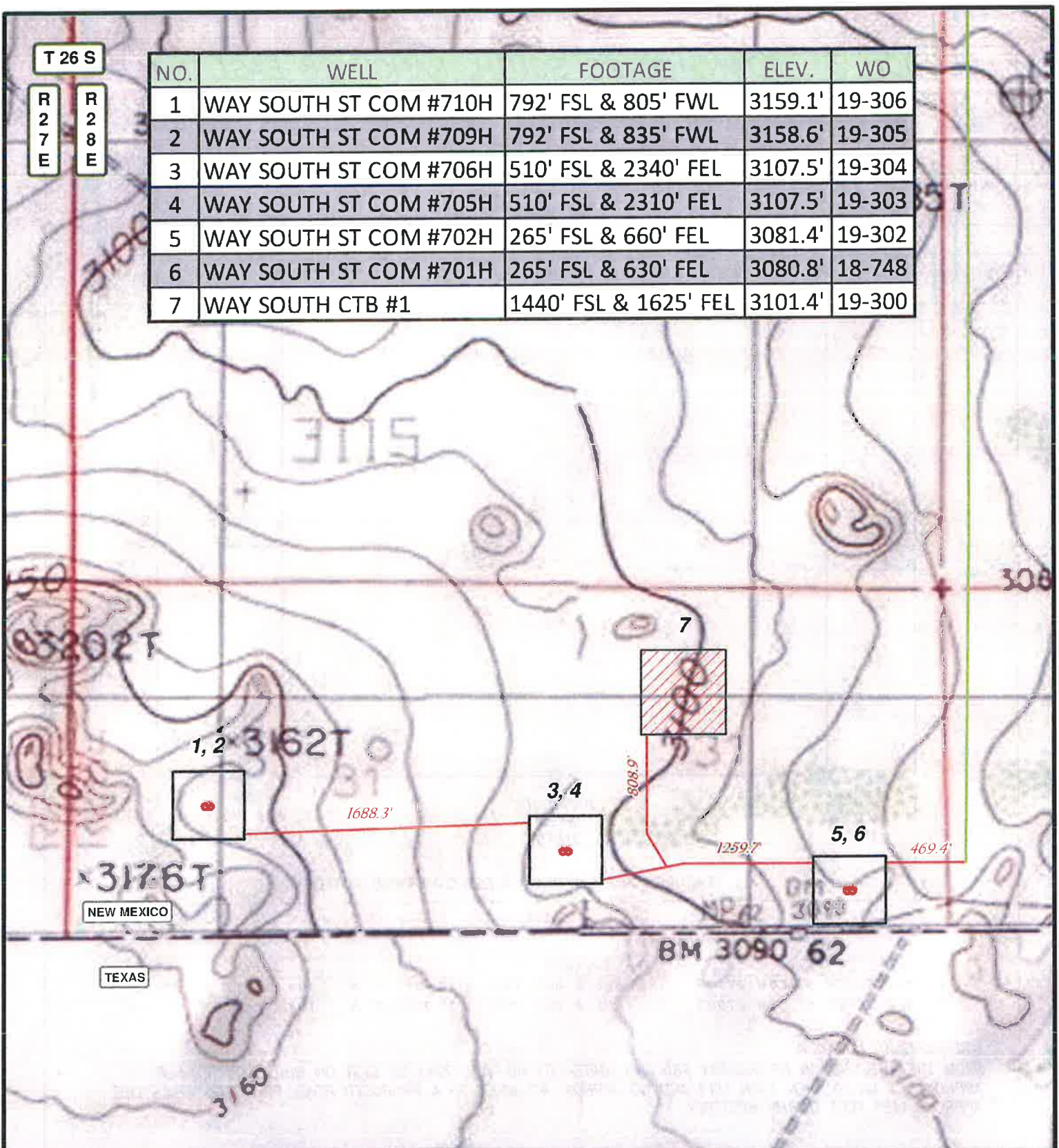


COG OPERATING, LLC	
SURVEY DATE: FEBRUARY 25, 2019	600S
DRAFTING DATE: MARCH 12, 2019	PAGE: 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
FILE: 19-305-306	

T 26 S

R
2
7
ER
2
8
E

NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

WAY SOUTH STATE COM

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.
 STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
 W.O. # SEE MAP LEASE: WAY SOUTH ST COM

0 750 1,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 750 FT

LOCATION MAP

TOPO

3/13/2019

A.M.



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 26 S

R 27 E

R 28 E

NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300

25

29

36

32

NEW MEXICO

TEXAS

LEGEND



WELL



WELLPAD



EXISTING ROAD



PROPOSED ROAD

WAY SOUTH STATE COM

SECTION: 31

TOWNSHIP: 26 S.

RANGE: 28 E.

STATE: NEW MEXICO

COUNTY: EDDY

SURVEY: N.M.P.M

W.O. # SEE MAP

LEASE: WAY SOUTH ST COM

0 750 1,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 750 FT

LOCATION MAP

IMAGERY

3/13/2019

A.M.

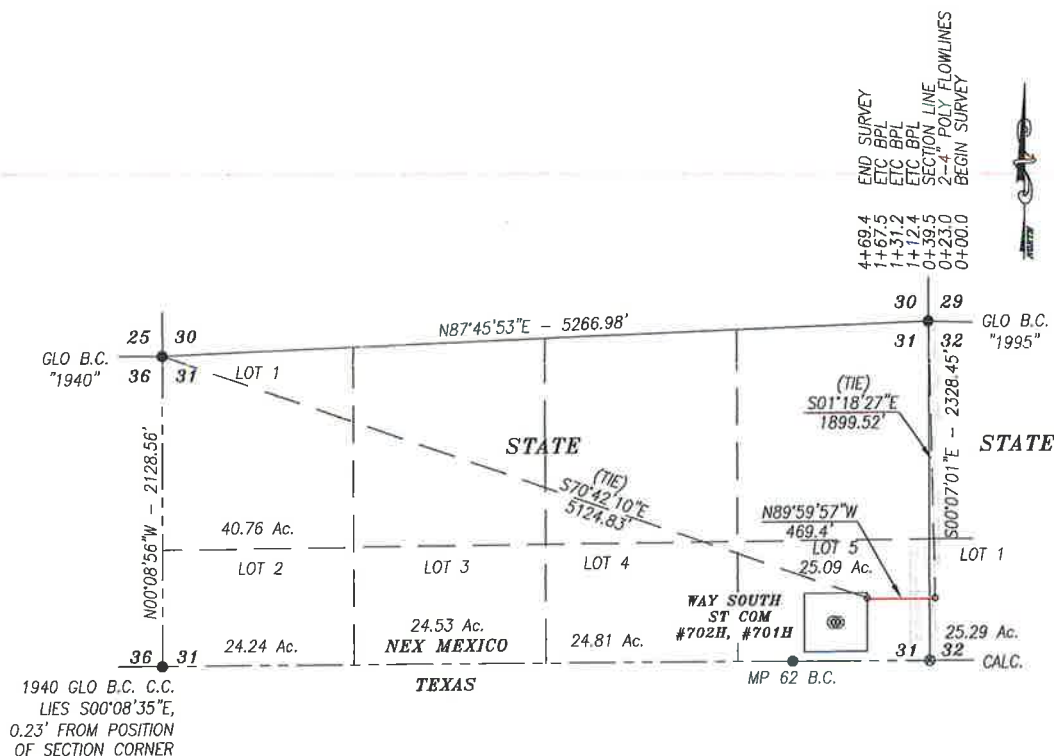


COG OPERATING, LLC



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

ACCESS ROAD PLAT
COG OPERATING, LLC
 A PROPOSED ROAD FROM AN EXISTING ROAD TO
 THE WAY SOUTH ST COM #702H & #701H IN
SECTIONS 32 & 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTIONS 32 & 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 1 OF SECTION 32, WHICH LIES S01°18'27"E 1899.52 FEET FROM THE NORTHWEST CORNER; THEN N89°59'57"W 469.4 FEET, TO A POINT IN LOT 5 OF SECTION 31, WHICH LIES S70°42'10"E 5124.83 FEET FROM NORTHWEST CORNER OF SECTION 31.

SAID STRIP OF LAND BEING 469.4 FEET OR 28.45 RODS IN LENGTH, CONTAINING 0.323 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SECTION 32
 LOT 1 2.39 RODS OR 0.027 ACRES

SECTION 31
 LOT 5 26.06 RODS OR 0.296 ACRES

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) 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.

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

COG OPERATING, LLC

SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTIONS 32 & 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRAURY 25, 2019	702H & 701H RD
DRAFTING DATE: MARCH 11, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
	FILE: 19-301

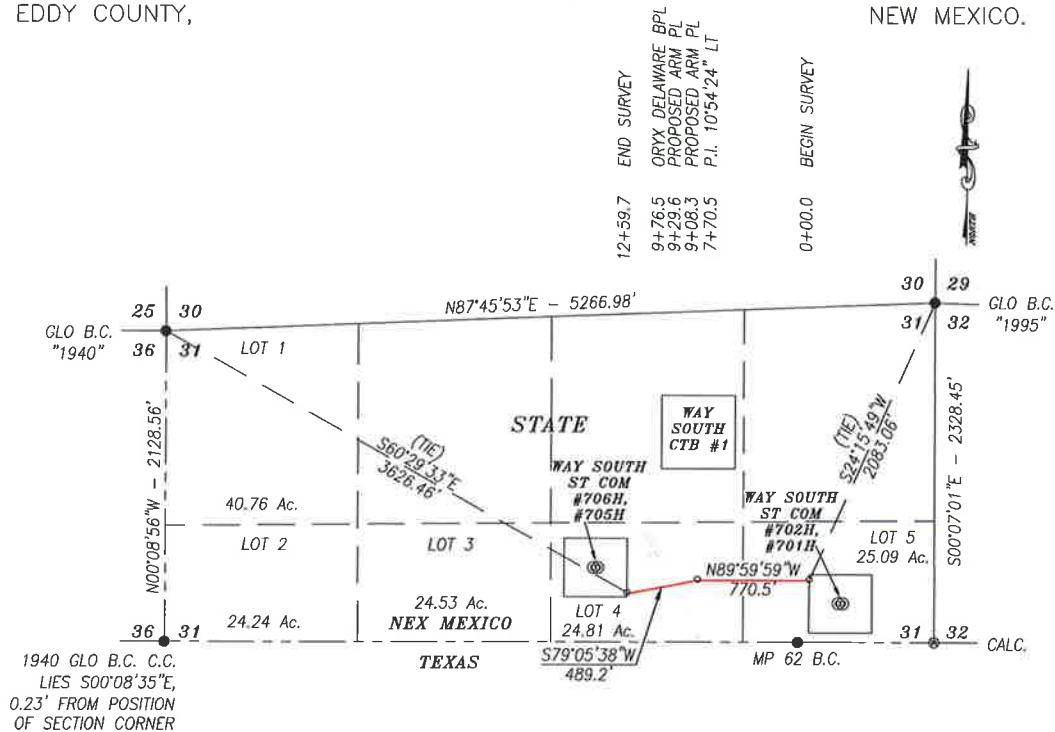


Chad Harcrow
 CHAD HARCROW N.M.P.S. NO. 17777

3/14/19
 DATE

ACCESS ROAD PLAT COG OPERATING, LLC

A PROPOSED ROAD FROM THE WAY SOUTH ST COM #702H & #701H TO
THE WAY SOUTH ST COM #706H & #705H IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 5 OF SAID SECTION, WHICH LIES S24°15'49"W 2083.06 FEET FROM THE NORTHEAST CORNER; THEN N89°59'59"W 770.5 FEET; THEN S79°05'38"W 489.2 FEET, TO A POINT IN LOT 4 OF SAID SECTION, WHICH LIES S60°29'33"E 3626.46 FEET FROM NORTHWEST CORNER.

SAID STRIP OF LAND BEING 1259.7 FEET OR 76.35 RODS IN LENGTH, CONTAINING 0.868 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

LOT 5 27.63 RODS OR 0.314 ACRES

LOT 4 48.72 RODS OR 0.554 ACRES

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.



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

3/14/19
DATE

HARCROW SURVEYING, LLC

2314 W. MAIN ST, ARTESIA, N.M. 88210
PH: (575) 746-2158

c.harcrow@harcrowsurveying.com



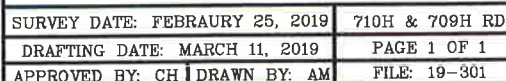
1000 0 1000 2000 FEET
SCALE: 1"=1000'

COG OPERATING, LLC

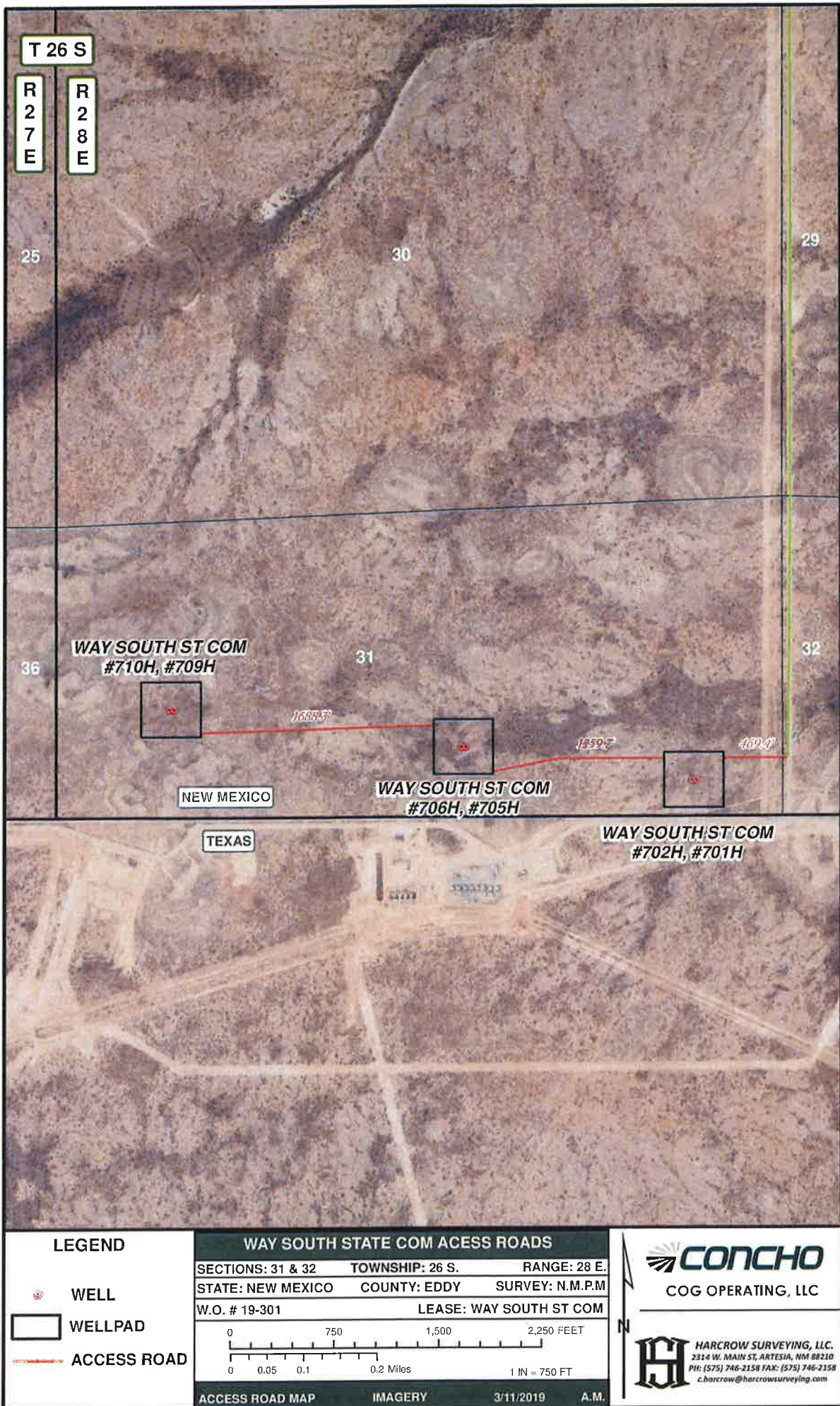
SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO

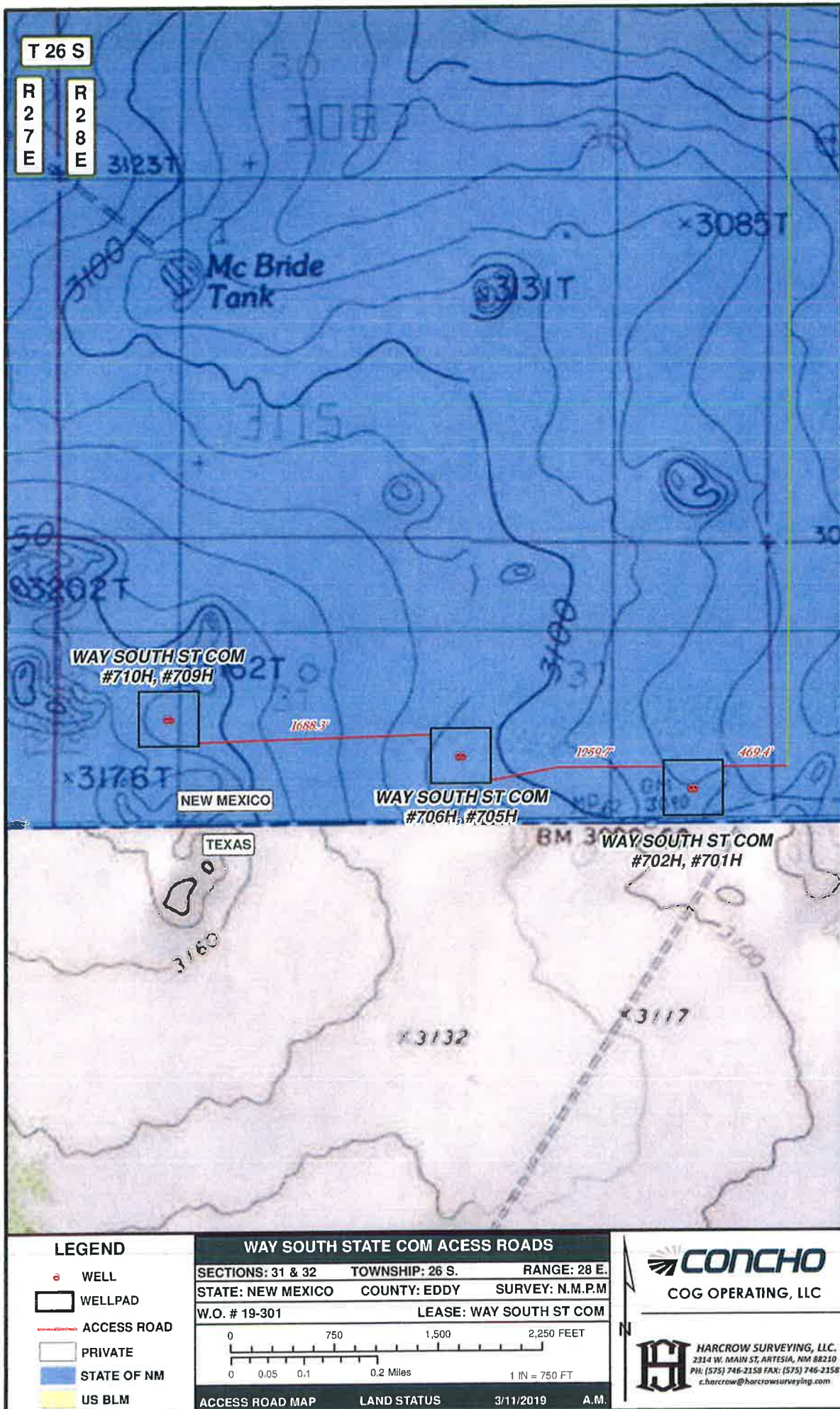
SURVEY DATE: FEBRUARY 25, 2019	706H & 705H RD
DRAFTING DATE: MARCH 11, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM FILE: 19-301

A PROPOSED ROAD FROM THE WAY SOUTH ST COM #706H & #705H TO THE
WAY SOUTH ST COM #710H & #709H IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

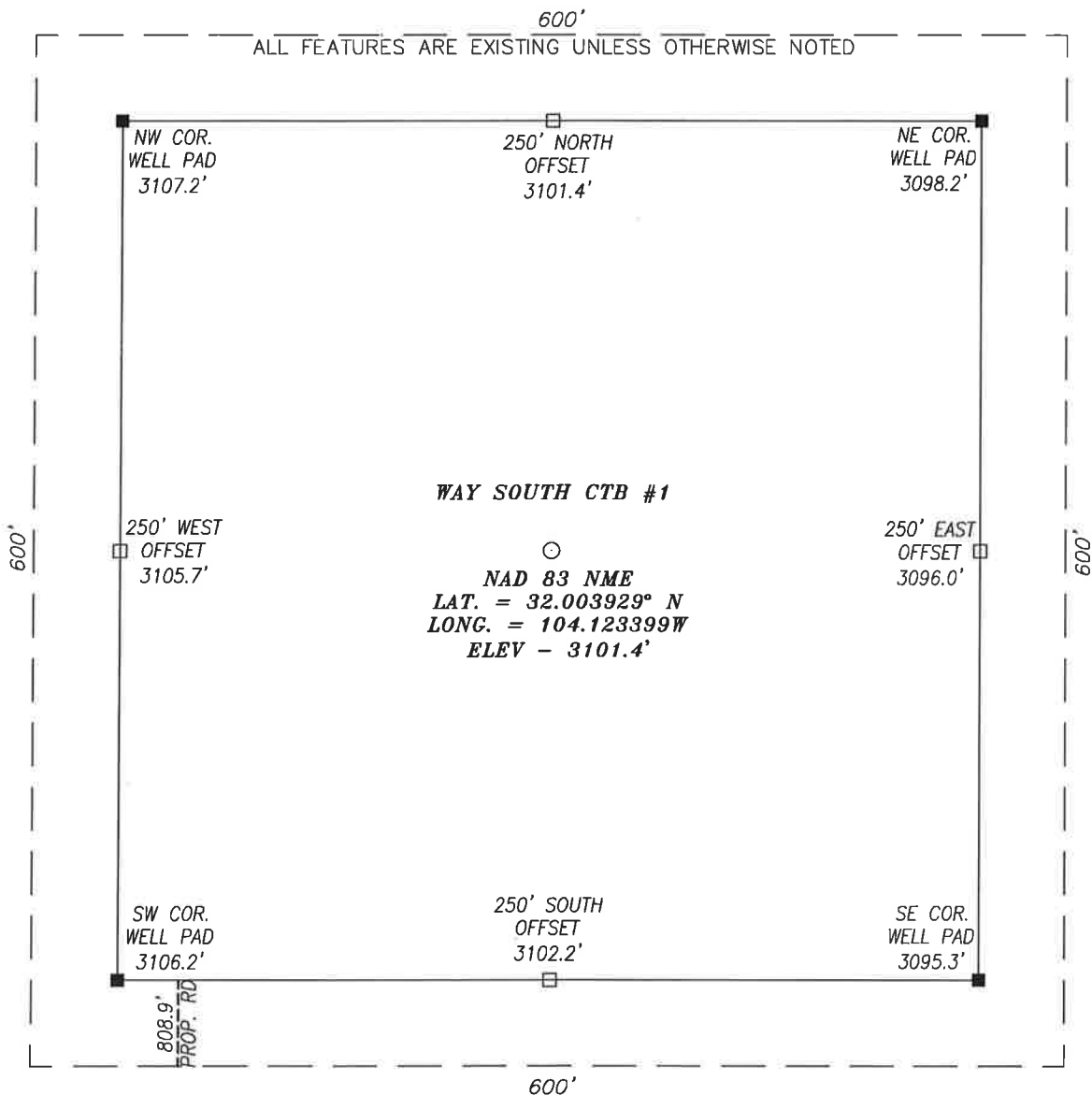


Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777



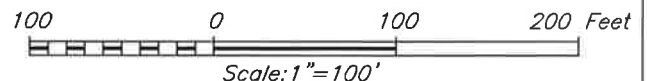


SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. 285 & WHITES CITY RD. (CR. 724), GO WESTERLY ON WHITES CITY RD. FOR APPROX. 3.1 MILES; THEN GO LEFT (SOUTH) ON CALICHE ROAD FOR APPROX. 4.4 MILES TO A PROPOSED ROAD FOR WAY SOUTH ST COM #701H & #702H; GO APPROX. 0.3 MILES WESTERLY TO PROPOSED CTB ROAD; THE PROPOSED CTB LIES APPROX. 1030 FEET NORTHWEST.



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



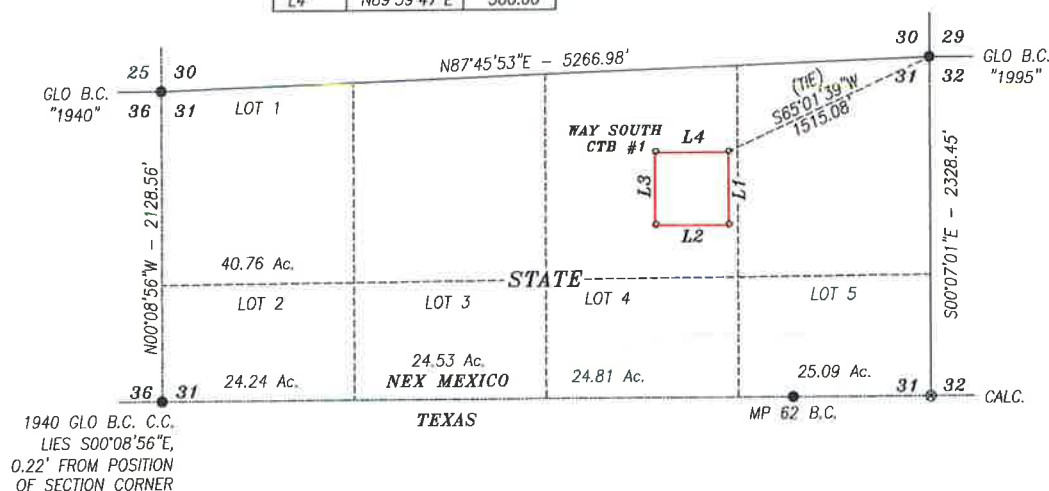
COG OPERATING, LLC

WAY SOUTH CTB #1
LOCATED 1440 FEET FROM THE SOUTH LINE
AND 1625 FEET FROM THE EAST LINE OF SECTION 31,
TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRUARY 26, 2019	600S
DRAFTING DATE: MARCH 8, 2019	PAGE: 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
FILE: 19-300	

A PROPOSED CTB KNOWN AS THE "WAY SOUTH CTB #1" IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY. NEW MEXICO.

LINE	BEARING	DISTANCE
L1	S00°00'11"W	500.00'
L2	N89°59'47"W	500.00'
L3	N00°00'11"W	500.00'
L4	N89°59'47"E	500.00'



A PROPOSED CTB LOCATED WITHIN STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE PROPOSED CTB, WHICH LIES S65°01'39"W 1515.08 FEET FROM THE NORTHEAST CORNER OF SAID SECTION; THEN S00°00'11"W 500.00 FEET; THEN N89°59'47"W 500.00 FEET; THEN N00°00'11"W 500.00 FEET; THEN N89°59'47"E 500.00 FEET TO THE POINT OF BEGINNING.

SAID PAD CONTAINS 5.739 ACRES AND LOCATED ENTIRELY IN THE NW/4 NE/4

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.

c.harcrow@harcrowsurveying.com

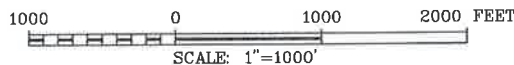


I, CHAD HARCOW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR
CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT
THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE
AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS
FOR SURVEYING IN NEW MEXICO.



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

3/13/19
DATE

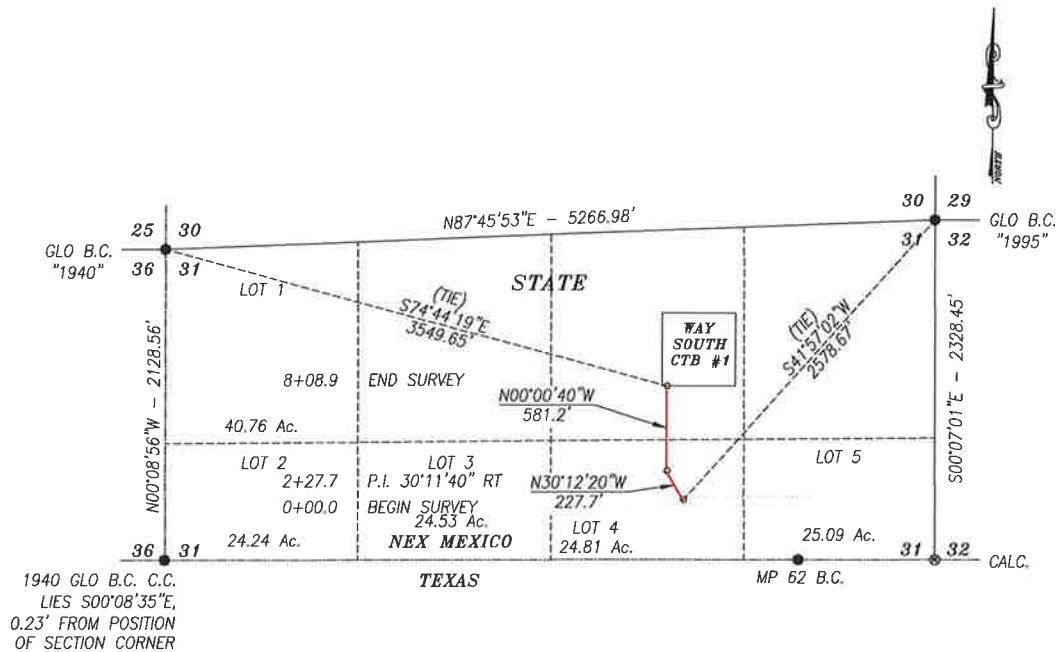


SURVEY OF A PROPOSED CTB LOCATED IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST,
NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRUARY 26, 2019		SBL EX. A
DRAFTING DATE: MARCH 8, 2019		PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM	FILE: 19-300

EXHIBIT B
ACCESS ROAD PLAT
COG OPERATING, LLC

A PROPOSED ROAD FROM A PROPOSED ROAD TO THE WAY SOUTH CTB #1 IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 4 OF SAID SECTION, WHICH LIES S41°57'02"W 2578.67 FEET FROM THE SOUTHEAST CORNER; THEN N30°12'20"W 227.7 FEET; THEN N00°00'40"W 581.2 FEET, TO A POINT IN THE NW/4 NE/4 OF SAID SECTION, WHICH LIES S74°44'19"E 3549.65 FEET FROM NORTHWEST CORNER.

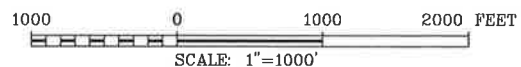
SAID STRIP OF LAND BEING 808.9 FEET OR 49.02 RODS IN LENGTH, CONTAINING 0.557 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

LOT 1 26.70 RODS OR 0.303 ACRES NW/4 NE/4 22.32 RODS OR 0.254 ACRES

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
 c.harcrow@harcrowsurveying.com



COG OPERATING, LLC

SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRUARY 26, 2019	SBL B
DRAFTING DATE: MARCH 8, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
FILE: 19-300	

Chad Harcrow
 CHAD HARCROW N.M.P.S. NO. 17777
 3/13/19
 DATE

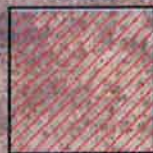
T 26 S

R
2
8
E

29

30

WAY SOUTH
CTB #1



31

32

19-301

NEW MEXICO

TEXAS

LEGEND



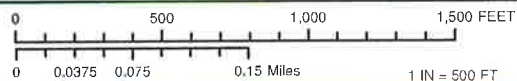
TANK BATTERY



ACCESS ROAD

WAY SOUTH CTB #1

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.
STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
W.O. # 19-300 LEASE: WAY SOUTH



ACCESS ROAD MAP

IMAGERY

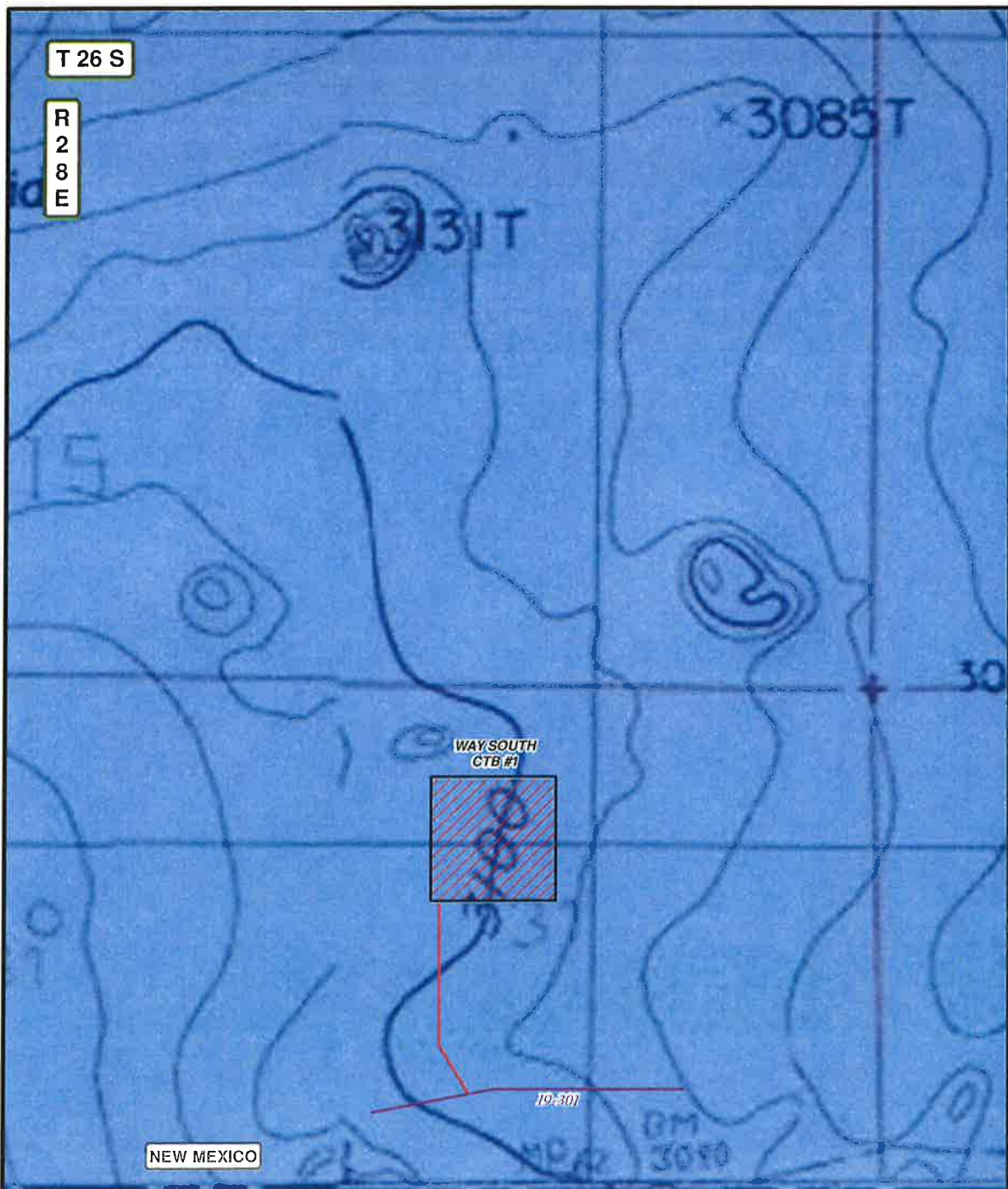
3/9/2019

A.M.

 **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		WAY SOUTH CTB #1	
	TANK BATTERY	SECTION: 31	TOWNSHIP: 26 S.
	ACCESS ROAD	RANGE: 28 E.	
	PRIVATE	STATE: NEW MEXICO	COUNTY: EDDY
	STATE OF NM	W.O. # 19-300	SURVEY: N.M.P.M
	US BLM	LEASE: WAY SOUTH	
		0 0.0375 0.075 0.15 Miles 1 IN = 500 FT	
		ACCESS ROAD MAP LAND STATUS 3/9/2019 A.M.	

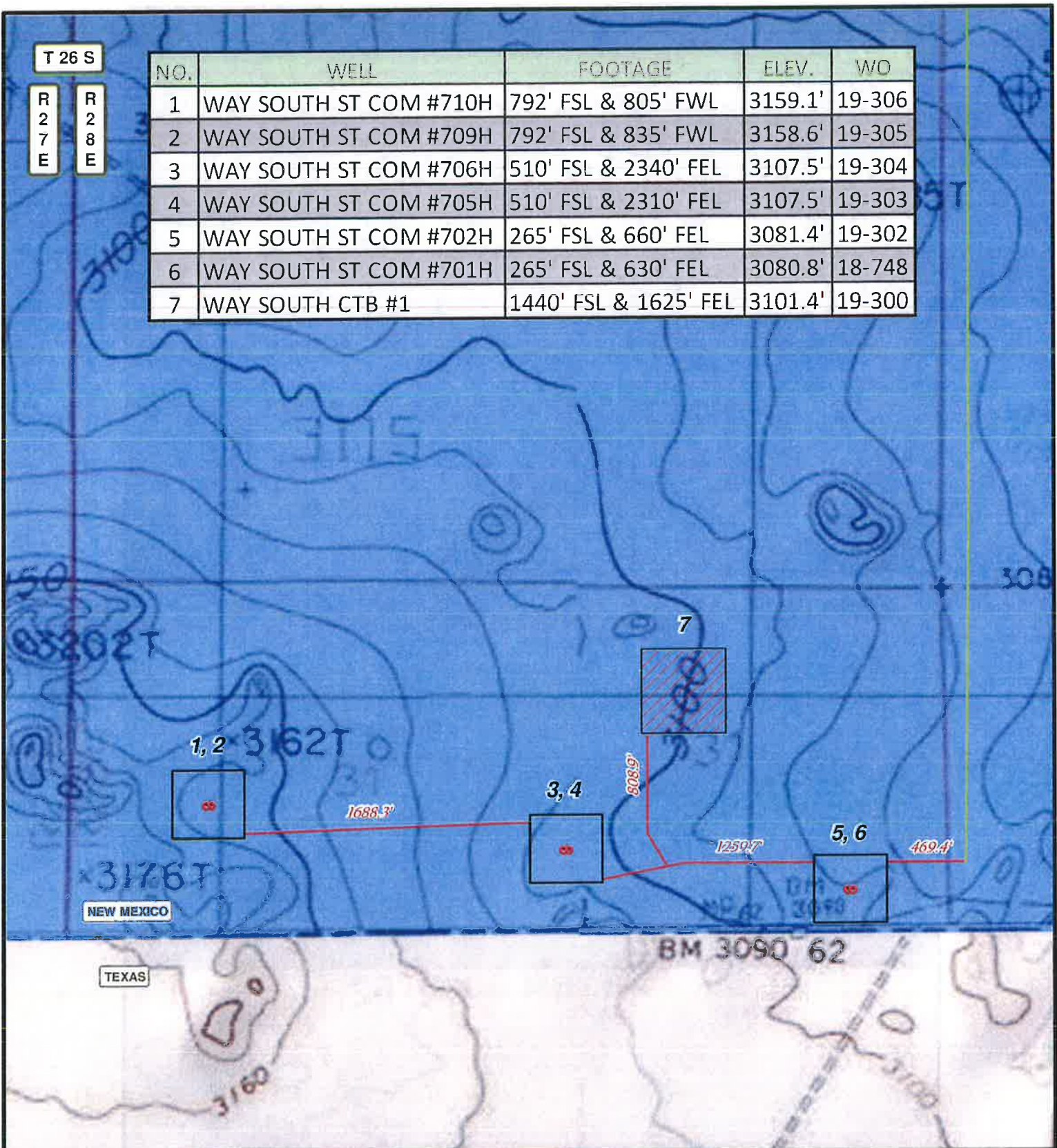
CONCHO
 COG OPERATING, LLC

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

T 26 S

R
2
7
ER
2
8
E

NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300



LEGEND

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

WAY SOUTH STATE COM

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.
 STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
 W.O. # SEE MAP LEASE: WAY SOUTH ST COM

0 750 1,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 750 FT

LOCATION MAP

LAND STATUS

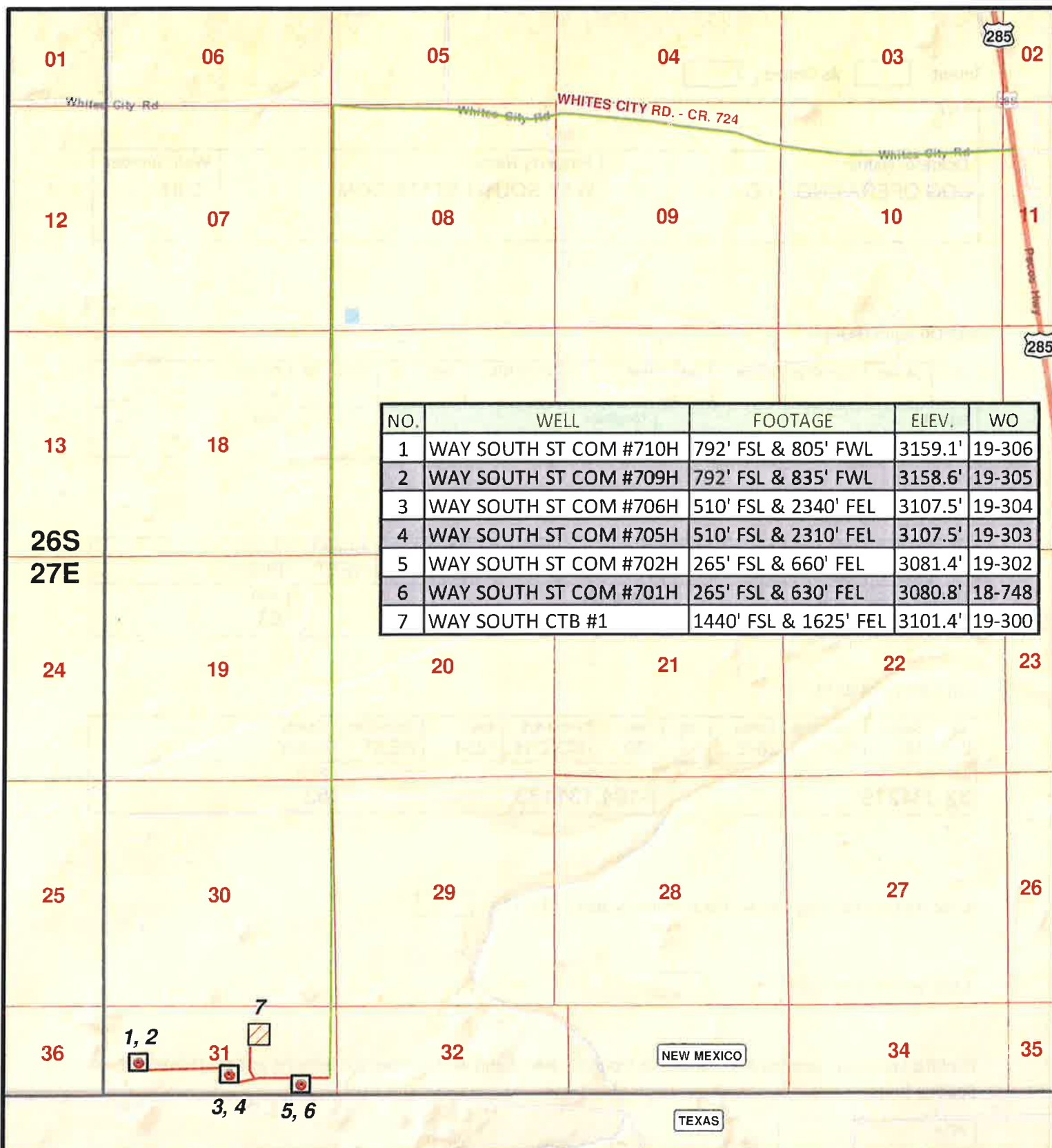
3/13/2019

A.M.

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

WAY SOUTH STATE COM

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.
 STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
 W.O. # SEE MAP LEASE: WAY SOUTH ST COM

0 3,000 6,000 9,000 FEET

0 0.2 0.4 0.8 Miles 1 IN = 3,000 FT

LOCATION MAP

VICINITY

3/13/2019

A.M.

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

Intent ☐ As Drilled ☐

API #			
Operator Name: COG OPERATING, LLC		Property Name: WAY SOUTH STATE COM	Well Number 709H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
2	31	26-S	28-E		330	SOUTH	1254	WEST	EDDY
Latitude 32.000882					Longitude -104.131083				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	19	26-S	28-E		330	NORTH	1254	WEST	EDDY
Latitude 32.034219					Longitude -104.131133				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #			
Operator Name:		Property Name:	Well Number

KZ 06/29/2018

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) 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 87506
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name WAY SOUTH STATE COM	Well Number 710H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation 3159.1'

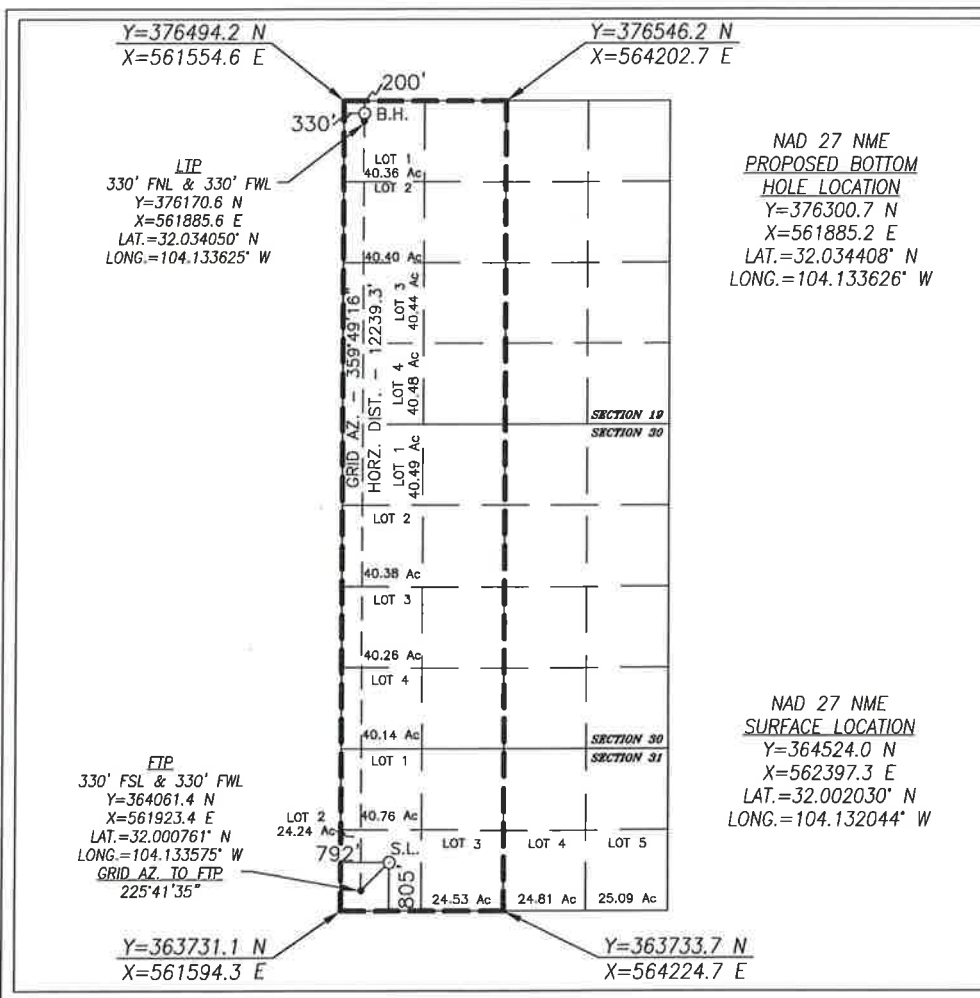
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	31	26-S	28-E		792	SOUTH	805	WEST	EDDY

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
1	19	26-S	28-E		200	NORTH	330	WEST	EDDY
Dedicated Acres	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 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 _____

Printed Name _____

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.

FEBRUARY 25, 2019

Date of Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 3/19/19
Certificate No. CHAD HARCROW 17777
W.O. # 19-306 DRAWN BY: AM

DISTRICT I
1825 N. FRENCH DR., HOHRS, NM 88240
Phone: (575) 393-0161 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) 334-0178 Fax: (505) 334-0170

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	Pool Code	Pool Name
Property Code	Property Name WAY SOUTH STATE COM	Well Number 710H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation 3159.1'

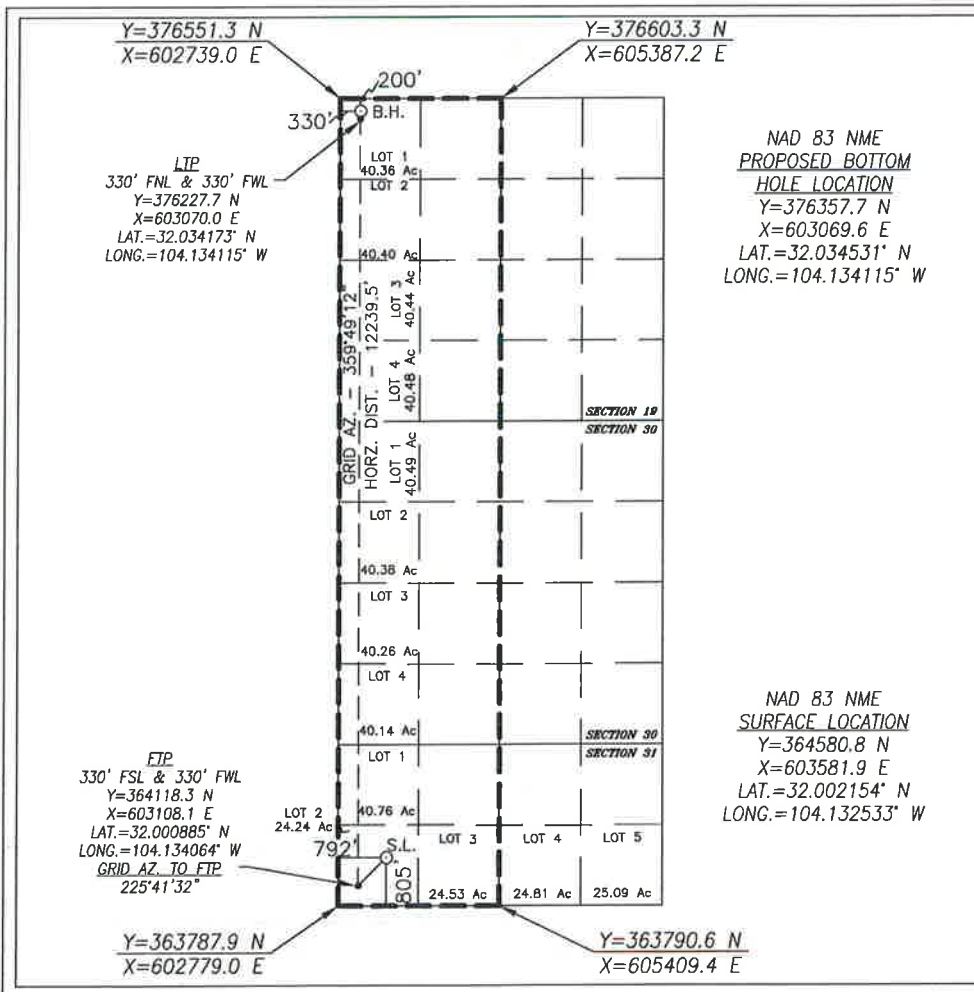
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	31	26-S	28-E		792	SOUTH	805	WEST	EDDY

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
1	19	26-S	28-E		200	NORTH	330	WEST	EDDY
Dedicated Acres	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 _____

Printed Name _____

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.

FEBRUARY 25, 2019

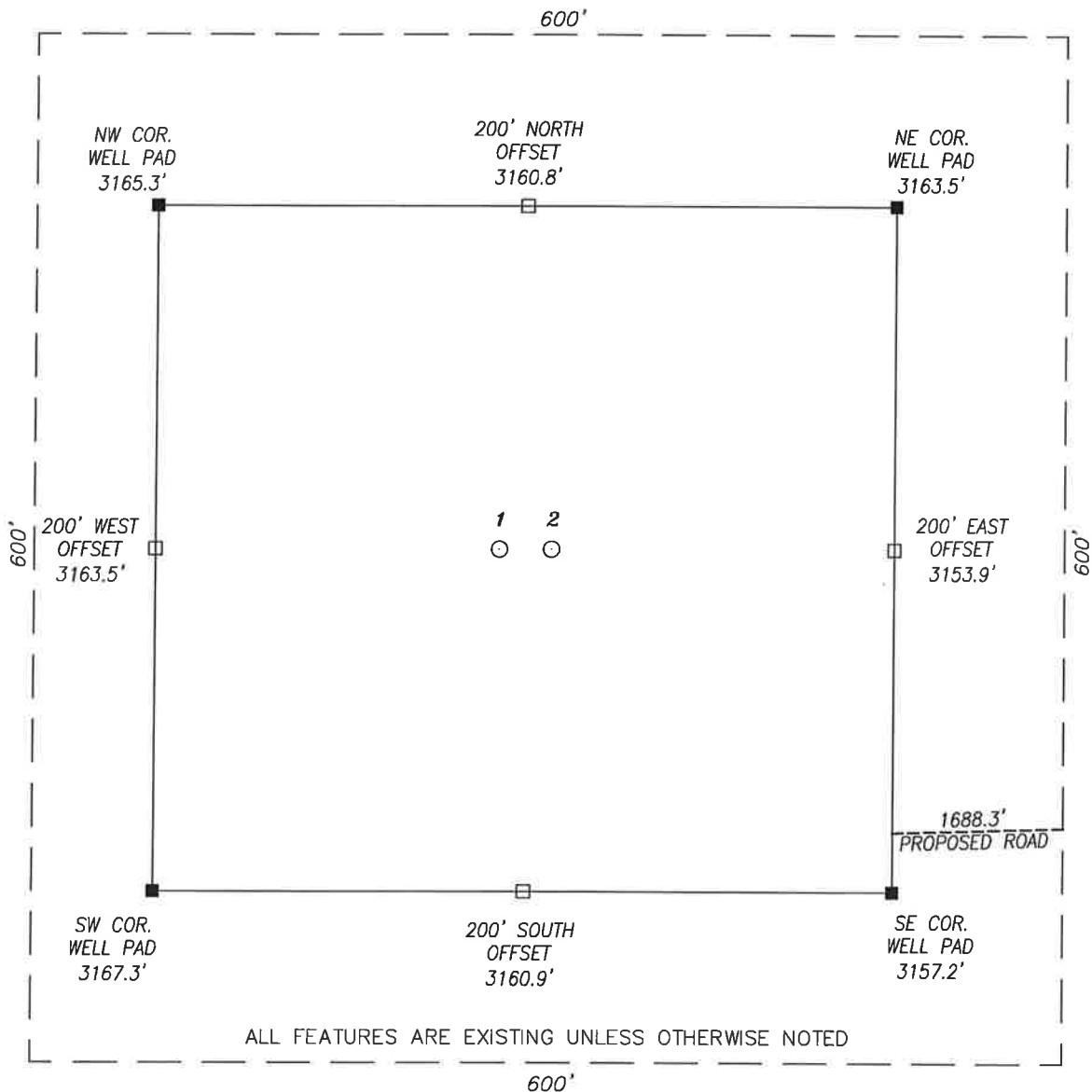
Date of Survey

Signature & Seal of Professional Surveyor



Certificate No. CHAD HARCROW 17777
W.O. # 19-306 DRAWN BY: AM

SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY NEW MEXICO

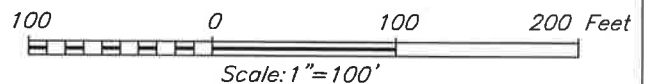


NO.	WELL	FOOTAGE	LAT.	LONG.	ELEV.
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	32.002154° N	104.132533° W	3159.1'
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	32.002154° N	104.132436° W	3158.6'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 285 AND WHITE CITY RD. (CR. 724) GO EAST ON WHITE CITY RD. FOR APPROX. 3.1 MILES; THEN TURN LEFT AND GO APPROX. 4.5 MILES TO A PROPOSED ROAD. PROPOSED WELLS LIES APPROX. 4480 FEET TO THE WESTERLY.

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

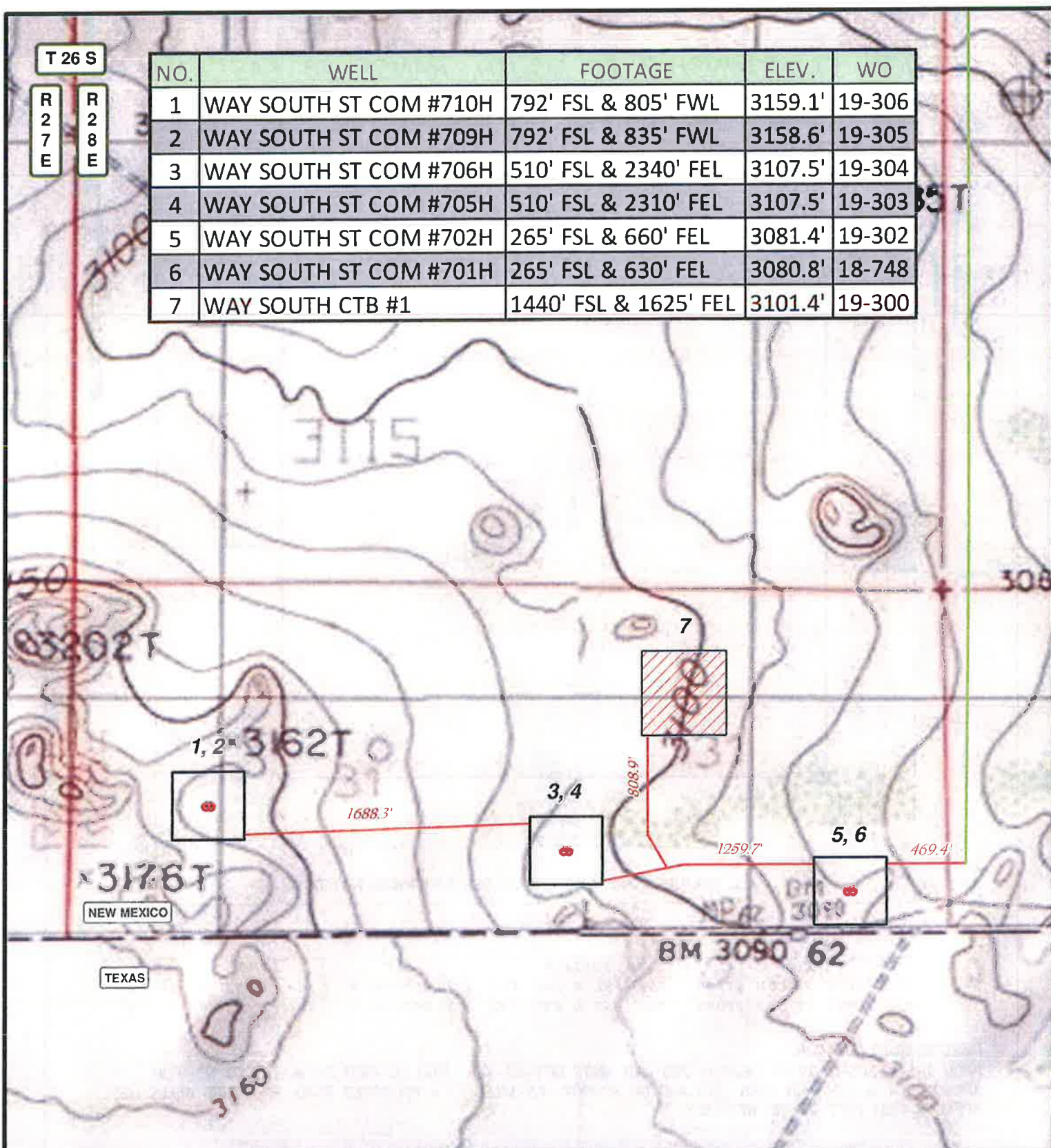


COG OPERATING, LLC	
SURVEY DATE: FEBRUARY 25, 2019	600S
DRAFTING DATE: MARCH 12, 2019	PAGE: 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
FILE: 19-305-306	

T 26 S

R
2
7
ER
2
8
E

NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

WAY SOUTH STATE COM

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.
 STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
 W.O. # SEE MAP LEASE: WAY SOUTH ST COM

0 750 1,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 750 FT

LOCATION MAP

TOPO

3/13/2019

A.M.



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 26 S

R
2
7
ER
2
8
E

NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300

25

29

36

32

NEW MEXICO

TEXAS

LEGEND



WELL



WELLPAD



EXISTING ROAD



PROPOSED ROAD

WAY SOUTH STATE COM

SECTION: 31

TOWNSHIP: 26 S.

RANGE: 28 E.

STATE: NEW MEXICO

COUNTY: EDDY

SURVEY: N.M.P.M

W.O. # SEE MAP

LEASE: WAY SOUTH ST COM

0 750 1,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 750 FT

LOCATION MAP

IMAGERY

3/13/2019

A.M.

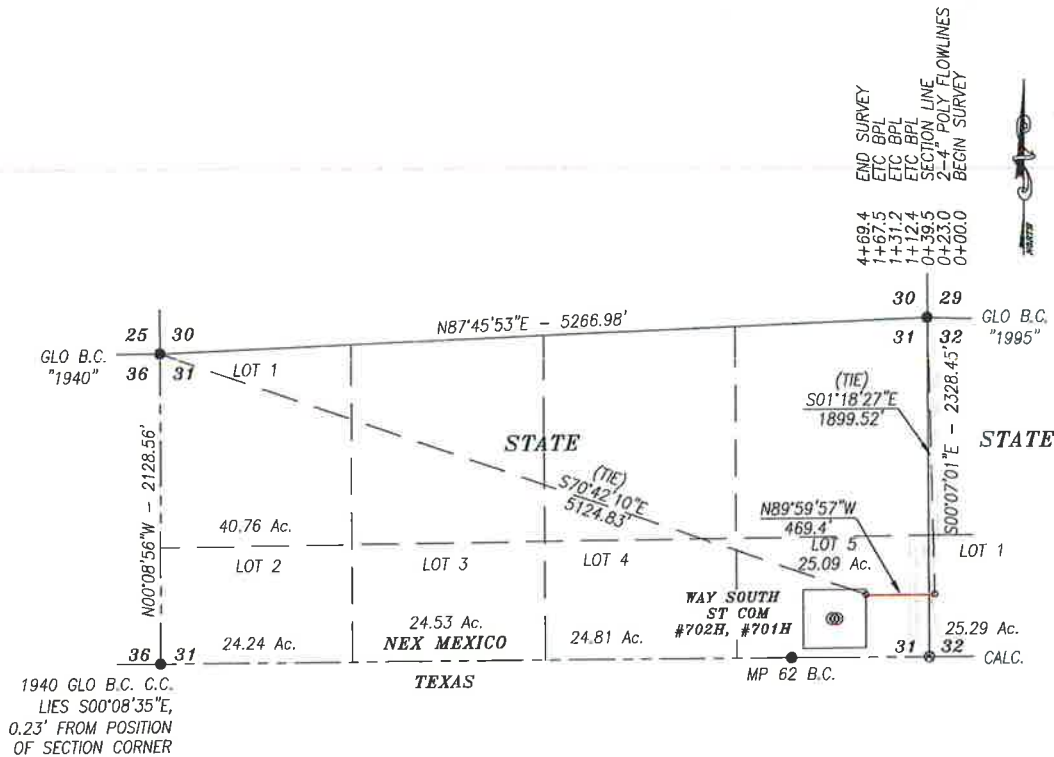
COG OPERATING, LLC



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

ACCESS ROAD PLAT COG OPERATING, LLC

A PROPOSED ROAD FROM AN EXISTING ROAD TO
THE WAY SOUTH ST COM #702H & #701H IN
SECTIONS 32 & 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTIONS 32 & 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 1 OF SECTION 32, WHICH LIES S01°18'27\"E 1899.52 FEET FROM THE NORTHWEST CORNER; THEN N89°59'57\"W 469.4 FEET, TO A POINT IN LOT 5 OF SECTION 31, WHICH LIES S70°42'10\"E 5124.83 FEET FROM NORTHWEST CORNER OF SECTION 31.

SAID STRIP OF LAND BEING 469.4 FEET OR 28.45 RODS IN LENGTH, CONTAINING 0.323 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SECTION 32
LOT 1 2.39 RODS OR 0.027 ACRES

SECTION 31
LOT 5 26.06 RODS OR 0.296 ACRES

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.



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

DATE

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



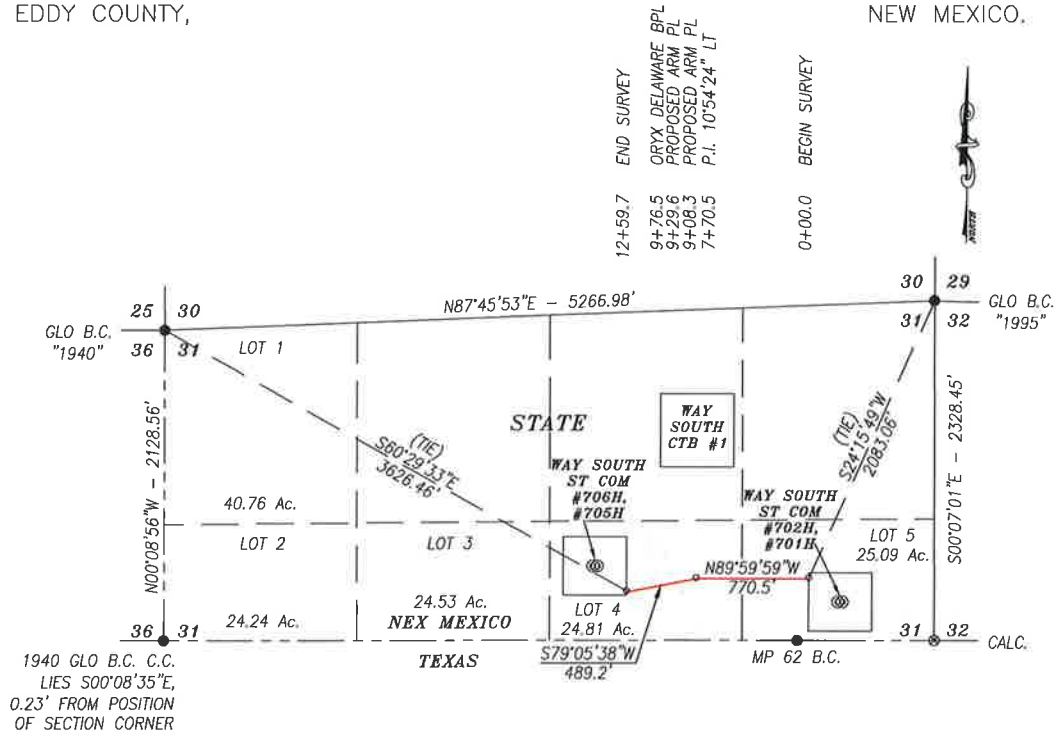
COG OPERATING, LLC

SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTIONS 32 & 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRAURY 25, 2019	702H & 701H RD
DRAFTING DATE: MARCH 11, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
	FILE: 19-301

ACCESS ROAD PLAT COG OPERATING, LLC

A PROPOSED ROAD FROM THE WAY SOUTH ST COM #702H & #701H TO
THE WAY SOUTH ST COM #706H & #705H IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 5 OF SAID SECTION, WHICH LIES S24°15'49"W 2083.06 FEET FROM THE NORTHEAST CORNER; THEN N89°59'59"W 770.5 FEET; THEN S79°05'38"W 489.2 FEET, TO A POINT IN LOT 4 OF SAID SECTION, WHICH LIES S60°29'33"E 3626.46 FEET FROM NORTHWEST CORNER.

SAID STRIP OF LAND BEING 1259.7 FEET OR 76.35 RODS IN LENGTH, CONTAINING 0.868 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

LOT 5 27.63 RODS OR 0.314 ACRES

LOT 4 48.72 RODS OR 0.554 ACRES

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) 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

3/14/19
DATE

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

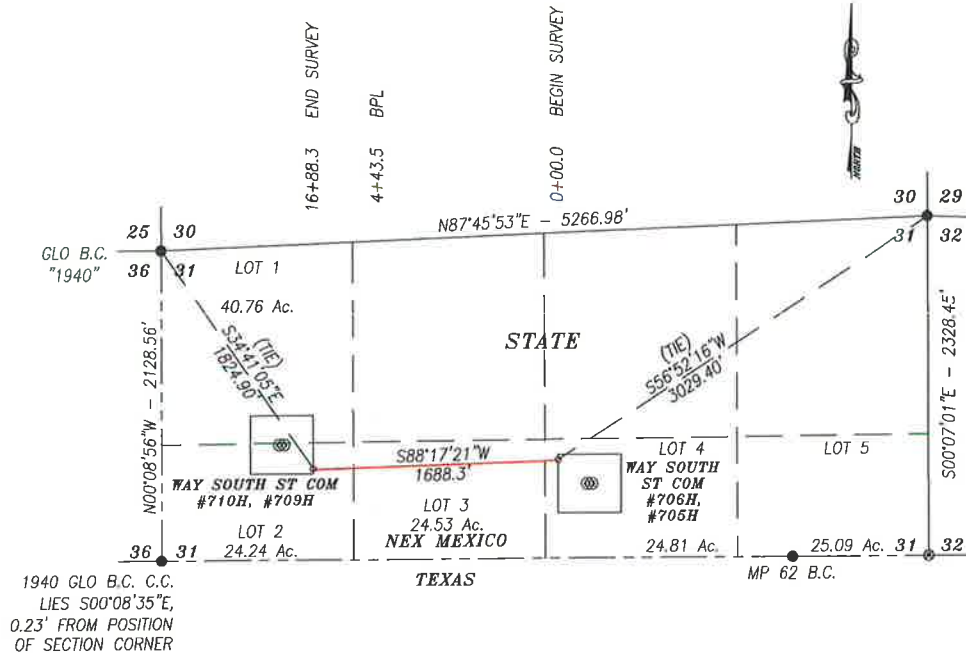
COG OPERATING, LLC

SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRAURY 25, 2019	706H & 705H RD
DRAFTING DATE: MARCH 11, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
	FILE: 19-301

ACCESS ROAD PLAT COG OPERATING, LLC

A PROPOSED ROAD FROM THE WAY SOUTH ST COM #706H & #705H TO THE
WAY SOUTH ST COM #710H & #709H IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 4 OF SAID SECTION, WHICH LIES S56°52'16"W 3029.40 FEET FROM THE NORTHEAST CORNER; THEN S88°17'21"W 1688.3 FEET, TO A POINT IN LOT 2 OF SAID SECTION, WHICH LIES S34°41'05"E 1824.90 FEET FROM NORTHWEST CORNER.

SAID STRIP OF LAND BEING 1688.3 FEET OR 102.32 RODS IN LENGTH, CONTAINING 1.163 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

LOT 4 5.54 RODS OR 0.063 ACRES LOT 2 17.01 RODS OR 0.193 ACRES
LOT 3 79.77 RODS OR 0.907 ACRES

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.



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

3/14/19
DATE

HARCROW SURVEYING, LLC

2314 W. MAIN ST, ARTESIA, N.M. 88210
PH: (575) 746-2158

c.harcrow@harcrowsurveying.com

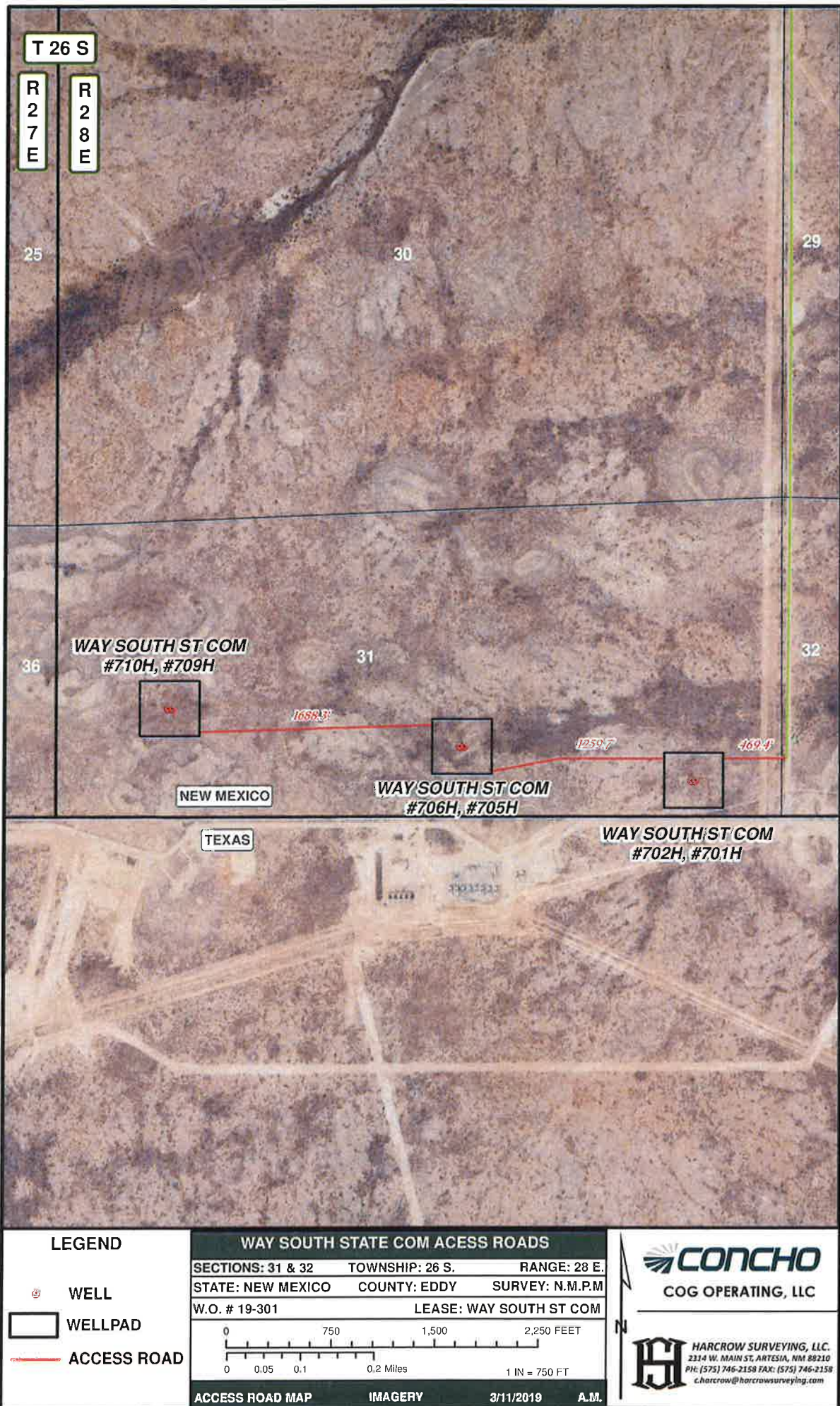


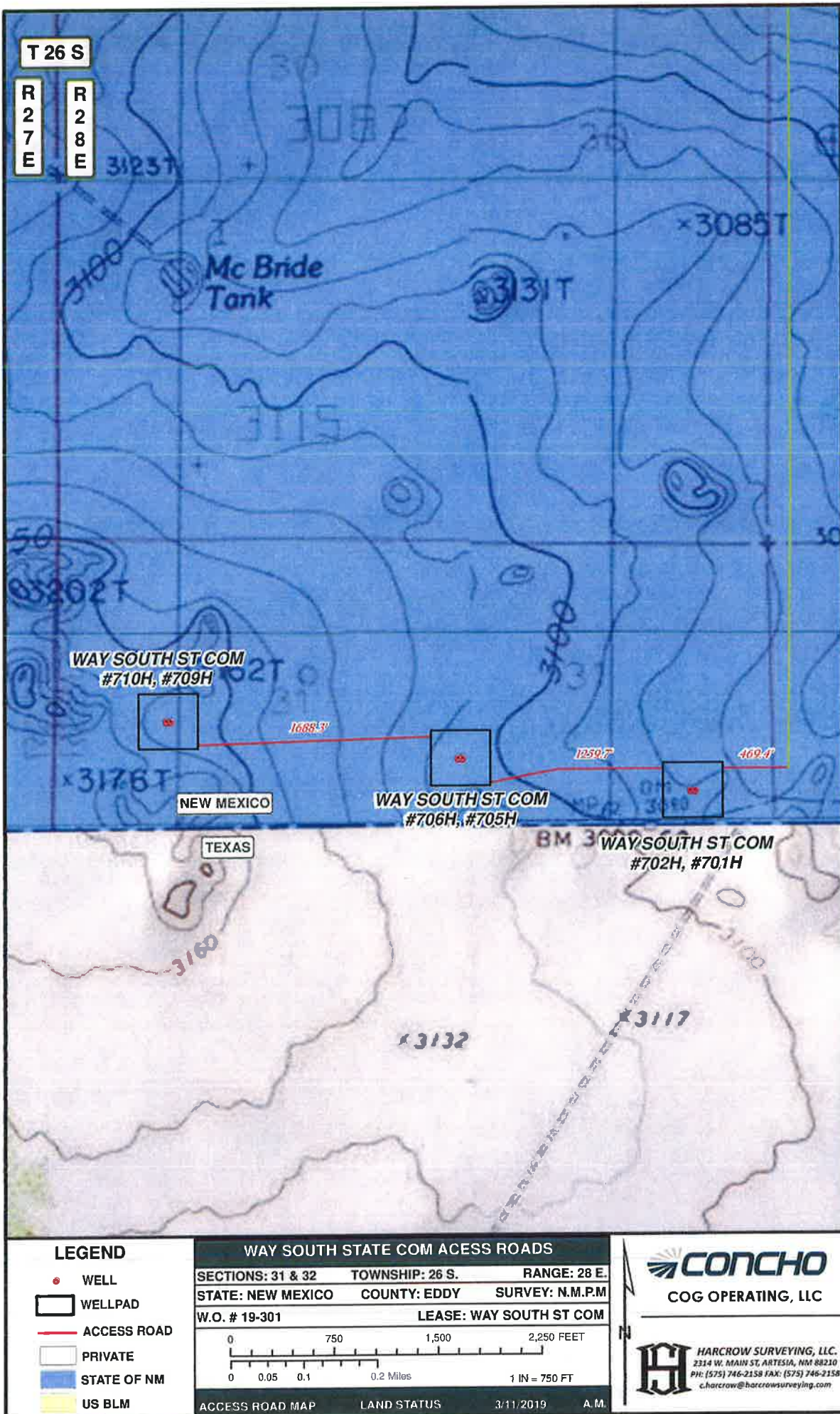
1000 0 1000 2000 FEET
SCALE: 1"=1000'

COG OPERATING, LLC

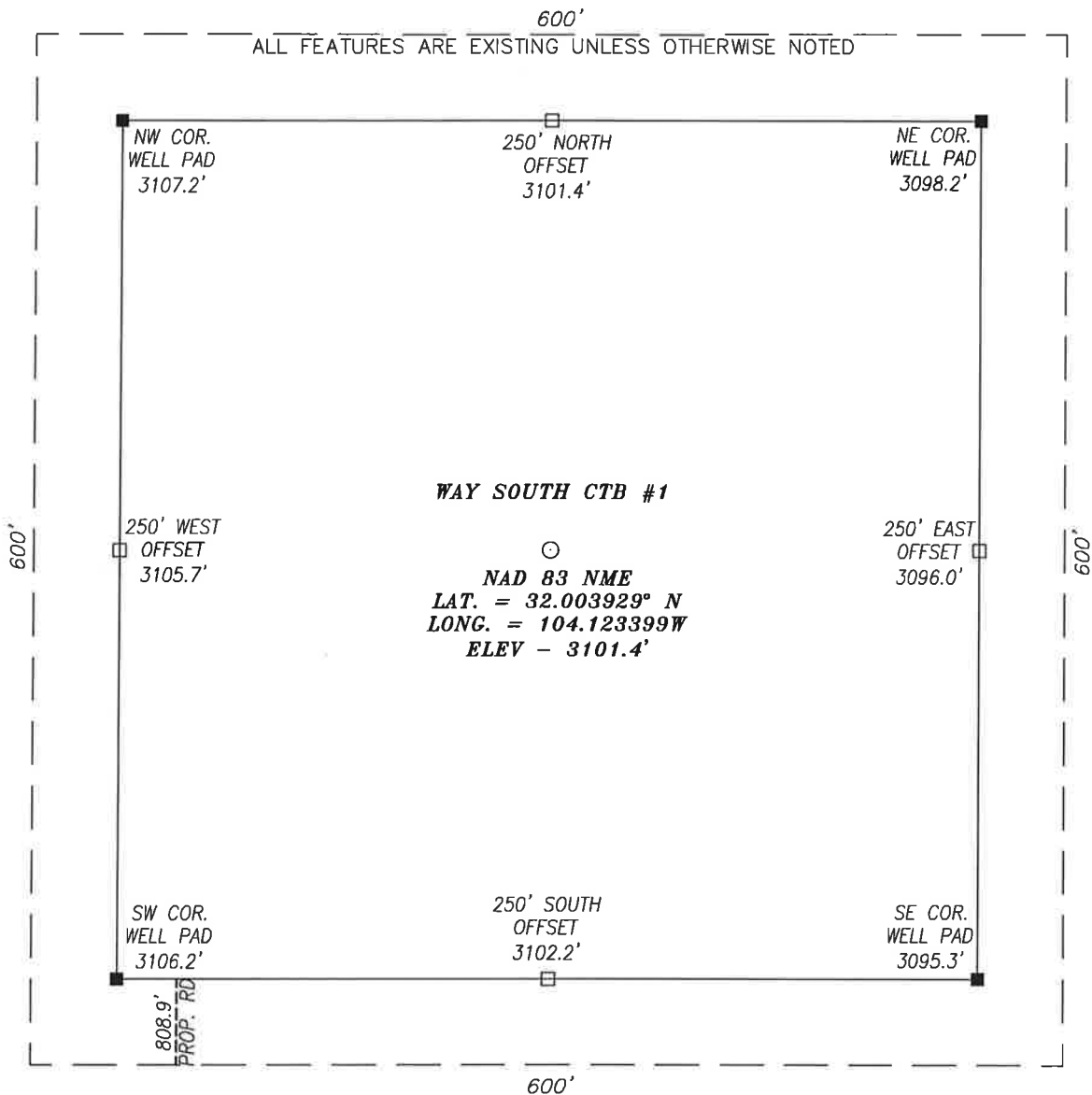
SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRAURY 25, 2019	710H & 709H RD
DRAFTING DATE: MARCH 11, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
	FILE: 19-301



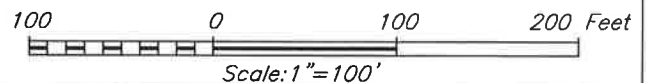


SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. 285 & WHITES CITY RD. (CR. 724), GO WESTERLY ON WHITES CITY RD. FOR APPROX. 3.1 MILES; THEN GO LEFT (SOUTH) ON CALICHE ROAD FOR APPROX. 4.4 MILES TO A PROPOSED ROAD FOR WAY SOUTH ST COM #701H & #702H; GO APPROX. 0.3 MILES WESTERLY TO PROPOSED CTB ROAD; THE PROPOSED CTB LIES APPROX. 1030 FEET NORTHWEST.



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



COG OPERATING, LLC

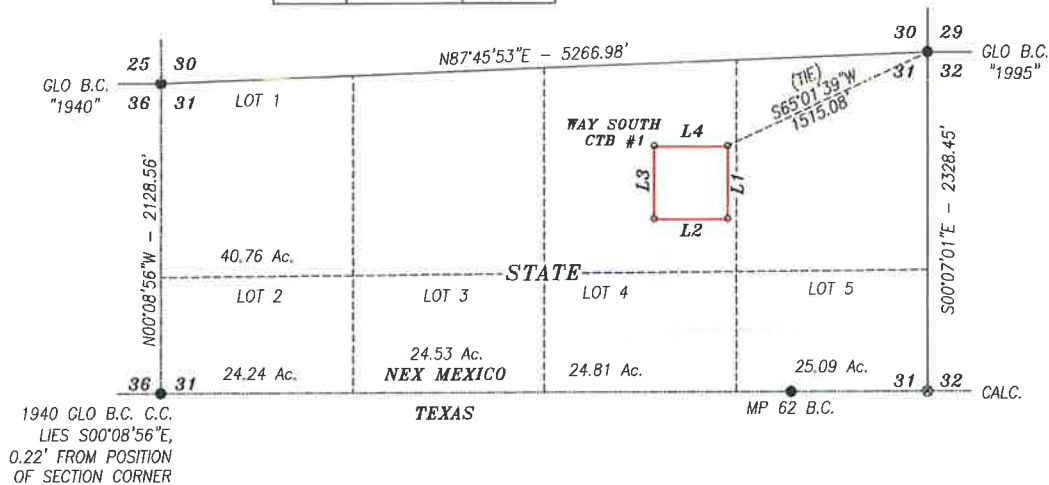
WAY SOUTH CTB #1
LOCATED 1440 FEET FROM THE SOUTH LINE
AND 1625 FEET FROM THE EAST LINE OF SECTION 31,
TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRUARY 26, 2019	600S
DRAFTING DATE: MARCH 8, 2019	PAGE: 1 OF 1
APPROVED BY: CH	DRAWN BY: AM FILE: 19-300

EXHIBIT A **STATE BUSINESS LEASE** **COG OPERATING, LLC**

A PROPOSED CTB KNOWN AS THE "WAY SOUTH CTB #1" IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

LINE	BEARING	DISTANCE
L1	S00°00'11"W	500.00'
L2	N89°59'47"W	500.00'
L3	N00°00'11"W	500.00'
L4	N89°59'47"E	500.00'



DESCRIPTION

A PROPOSED CTB LOCATED WITHIN STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE PROPOSED CTB, WHICH LIES S65°01'39"W 1515.08 FEET FROM THE NORTHEAST CORNER OF SAID SECTION; THEN S00°00'11"W 500.00 FEET; THEN N89°59'47"W 500.00 FEET; THEN N00°00'11"W 500.00 FEET; THEN N89°59'47"E 500.00 FEET TO THE POINT OF BEGINNING.

SAID PAD CONTAINS 5.739 ACRES AND LOCATED ENTIRELY IN THE NW/4 NE/4

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.



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

DATE

HARCROW SURVEYING, LLC

2314 W. MAIN ST, ARTESIA, N.M. 88210
 PH: (575) 746-2158

c.harcrow@harcrowsurveying.com



1000 0 1000 2000 FEET

SCALE: 1"=1000'

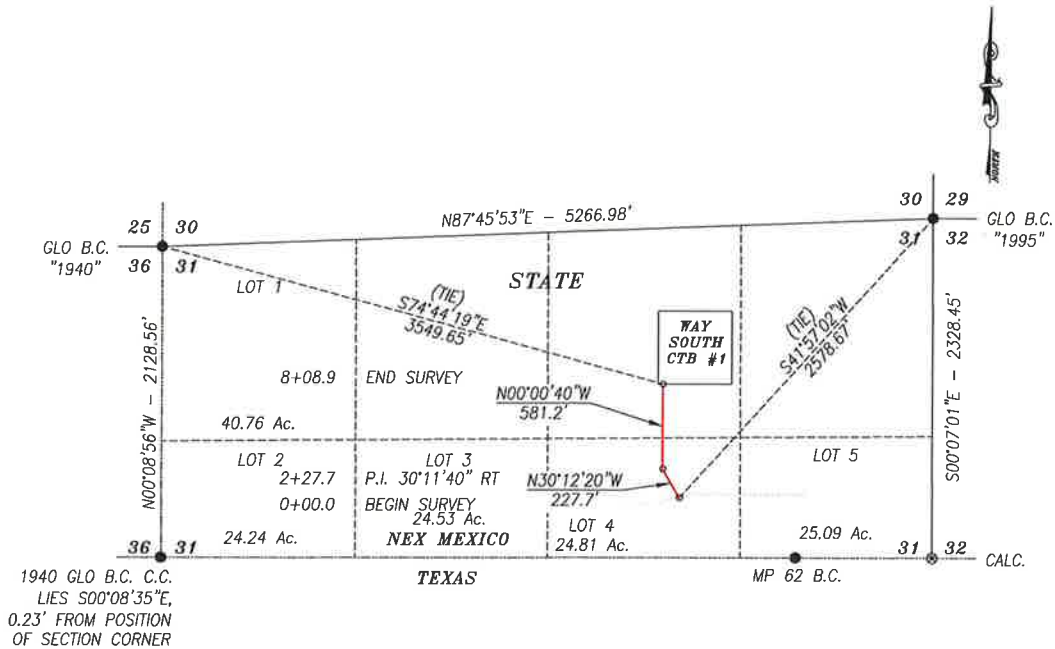
COG OPERATING, LLC

SURVEY OF A PROPOSED CTB LOCATED IN
 SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST,
 NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRUARY 26, 2019	SBL EX A
DRAFTING DATE: MARCH 8, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
	FILE: 19-300

EXHIBIT B
ACCESS ROAD PLAT
COG OPERATING, LLC

A PROPOSED ROAD FROM A PROPOSED ROAD TO THE WAY SOUTH CTB #1 IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE LOT 4 OF SAID SECTION, WHICH LIES S41°57'02"W 2578.67 FEET FROM THE SOUTHEAST CORNER; THEN N30°12'20"W 227.7 FEET; THEN N00°00'40"W 581.2 FEET, TO A POINT IN THE NW/4 NE/4 OF SAID SECTION, WHICH LIES S74°44'19"E 3549.65 FEET FROM NORTHWEST CORNER.

SAID STRIP OF LAND BEING 808.9 FEET OR 49.02 RODS IN LENGTH, CONTAINING 0.557 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

LOT 1 26.70 RODS OR 0.303 ACRES NW/4 NE/4 22.32 RODS OR 0.254 ACRES

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.



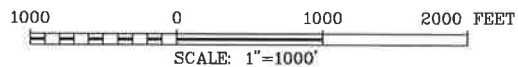
Chad Harcrow
CHAD HARCROW N.M.P.S. NO. 17777

DATE

HARCROW SURVEYING, LLC

2314 W. MAIN ST, ARTESIA, N.M. 88210
PH: (575) 746-2158

c.harcrow@harcrowsurveying.com



COG OPERATING, LLC

SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN
SECTION 31, TOWNSHIP 26 SOUTH, RANGE 28 EAST,
NMPM, EDDY COUNTY, NEW MEXICO

SURVEY DATE: FEBRUARY 26, 2019	SBL B
DRAFTING DATE: MARCH 8, 2019	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: AM
	FILE: 19-300

T 26 S

R 28 E

29

30

WAY SOUTH
CTB #1



31

32

19-301

NEW MEXICO

TEXAS

LEGEND



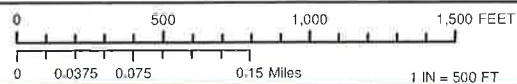
TANK BATTERY



ACCESS ROAD

WAY SOUTH CTB #1

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.
STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
W.O. # 19-300 LEASE: WAY SOUTH



ACCESS ROAD MAP

IMAGERY

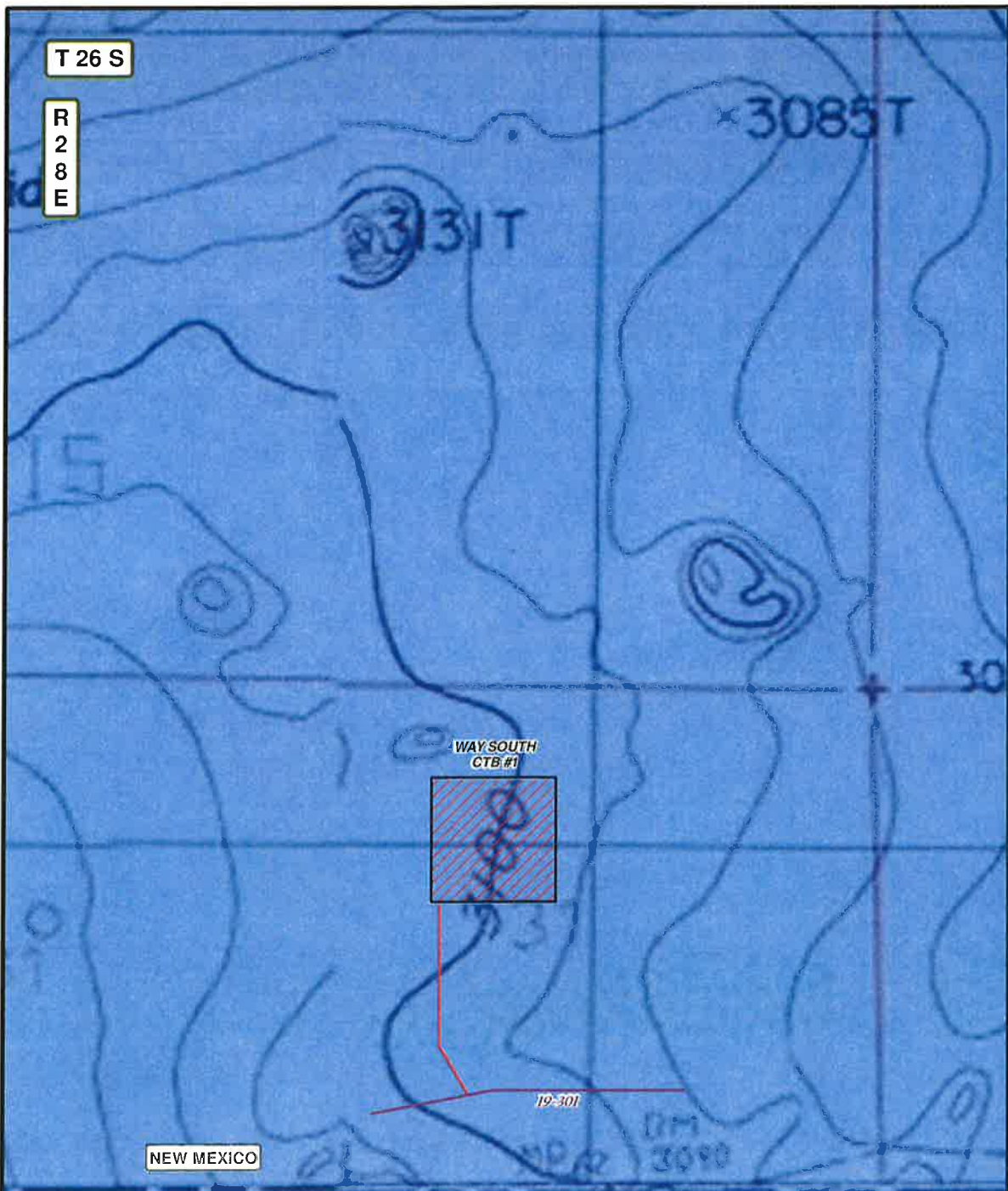
3/9/2019

A.M.

 **CONCHO**
COG OPERATING, LLC



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

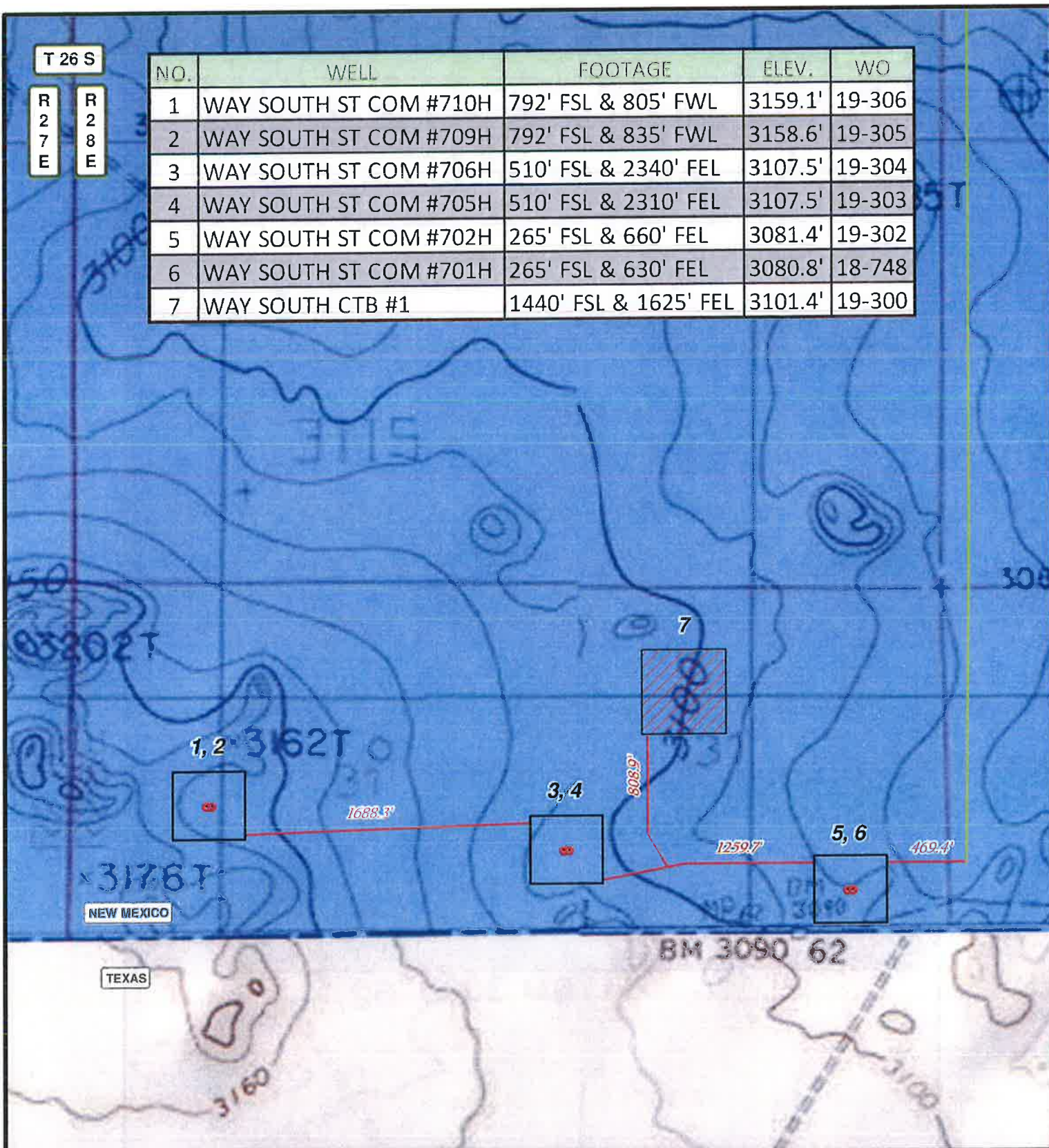


LEGEND		WAY SOUTH CTB #1		 CONCHO COG OPERATING, LLC
	TANK BATTERY	SECTION: 31	TOWNSHIP: 26 S.	
	ACCESS ROAD	STATE: NEW MEXICO	COUNTY: EDDY	
	PRIVATE	W.O. # 19-300	LEASE: WAY SOUTH	
	STATE OF NM	 1 IN = 500 FT		 HARCROW SURVEYING, LLC. 2314 W. MAIN ST., ARTESIA, NM 88210 PH: (575) 746-2158 FAX: (575) 746-2158 c.harcrow@harcrowsurveying.com
	US BLM	ACCESS ROAD MAP LAND STATUS 3/9/2019 A.M.		

T 26 S

R
2
7
ER
2
8
E

NO.	WELL	FOOTAGE	ELEV.	WO
1	WAY SOUTH ST COM #710H	792' FSL & 805' FWL	3159.1'	19-306
2	WAY SOUTH ST COM #709H	792' FSL & 835' FWL	3158.6'	19-305
3	WAY SOUTH ST COM #706H	510' FSL & 2340' FEL	3107.5'	19-304
4	WAY SOUTH ST COM #705H	510' FSL & 2310' FEL	3107.5'	19-303
5	WAY SOUTH ST COM #702H	265' FSL & 660' FEL	3081.4'	19-302
6	WAY SOUTH ST COM #701H	265' FSL & 630' FEL	3080.8'	18-748
7	WAY SOUTH CTB #1	1440' FSL & 1625' FEL	3101.4'	19-300



LEGEND

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

WAY SOUTH STATE COM

SECTION: 31

TOWNSHIP: 26 S.

RANGE: 28 E.

STATE: NEW MEXICO

COUNTY: EDDY

SURVEY: N.M.P.M

W.O. # SEE MAP

LEASE: WAY SOUTH ST COM

0 750 1,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 750 FT

LOCATION MAP

LAND STATUS

3/13/2019

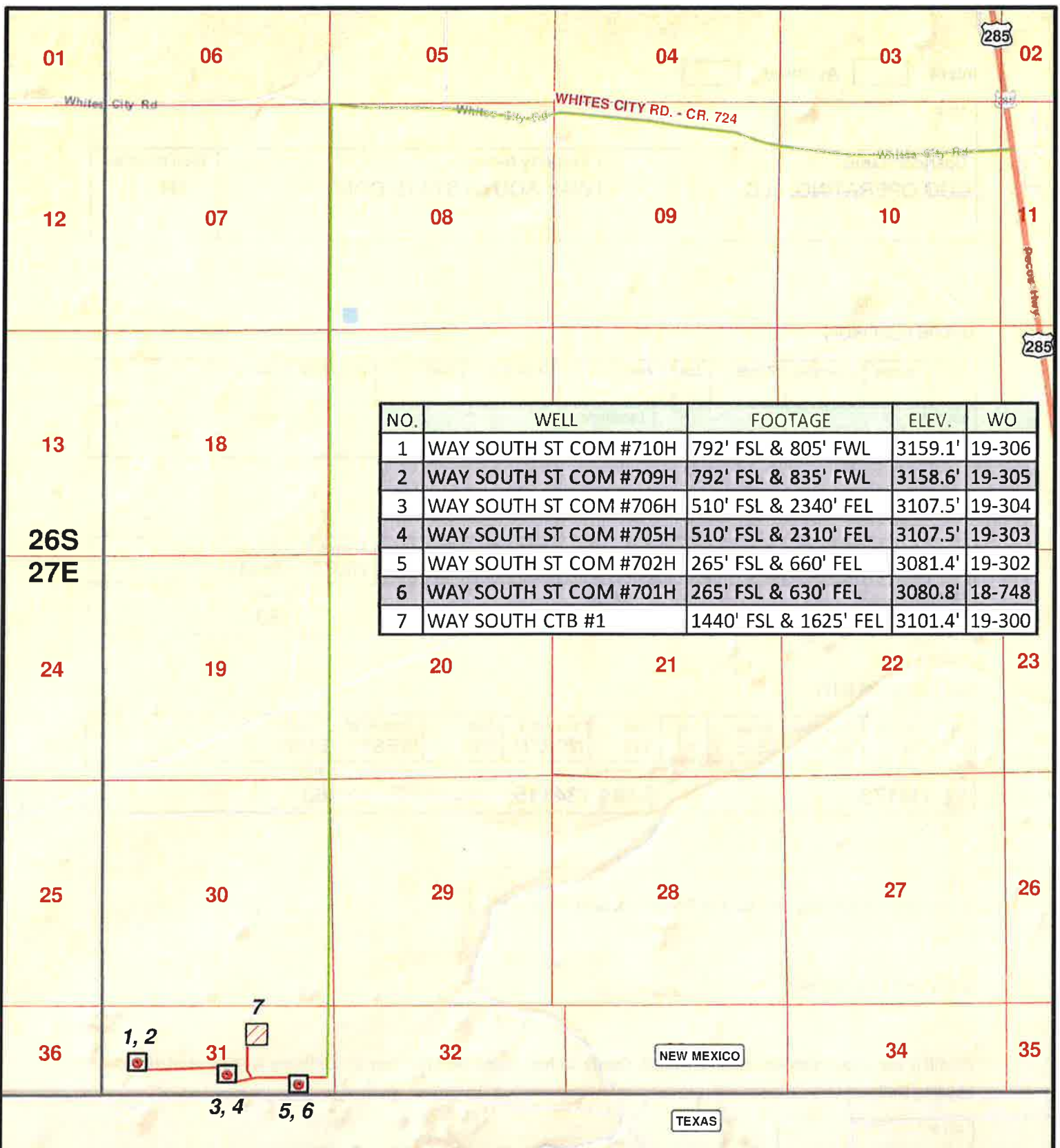
A.M.

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

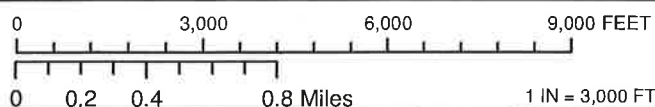


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

WAY SOUTH STATE COM

SECTION: 31 TOWNSHIP: 26 S. RANGE: 28 E.
 STATE: NEW MEXICO COUNTY: EDDY SURVEY: N.M.P.M
 W.O. # SEE MAP LEASE: WAY SOUTH ST COM



LOCATION MAP VICINITY 3/13/2019 A.M.



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

Intent ☐ As Drilled ☐

API #		
Operator Name: COG OPERATING, LLC	Property Name: WAY SOUTH STATE COM	Well Number 710H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL 2	Section 31	Township 26-S	Range 28-E	Lot	Feet 330	From N/S SOUTH	Feet 330	From E/W WEST	County EDDY
Latitude 32.000885					Longitude -104.134064				NAD 83

Last Take Point (LTP)

UL 1	Section 19	Township 26-S	Range 28-E	Lot	Feet 330	From N/S NORTH	Feet 330	From E/W WEST	County EDDY
Latitude 32.034173					Longitude -104.134115				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Tract 1: State of New Mexico VD-7449-0002 800.36 Ac WI Owners: Chevron USA, Inc.	Sec 19
Tract 2: State of New Mexico VD-7475-0001 320.28 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 30
Tract 3: State of New Mexico VD-7477-0001 137.92 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 31

Way South 706H, 709H, 710H Spacing	Sec 19
	Sec 30
	Sec 31

Way South State Com 706H, 709H, 710H - Compulsory Pooling Info

Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through managment for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%

BEFORE THE OIL CONSERVATION DIVISION

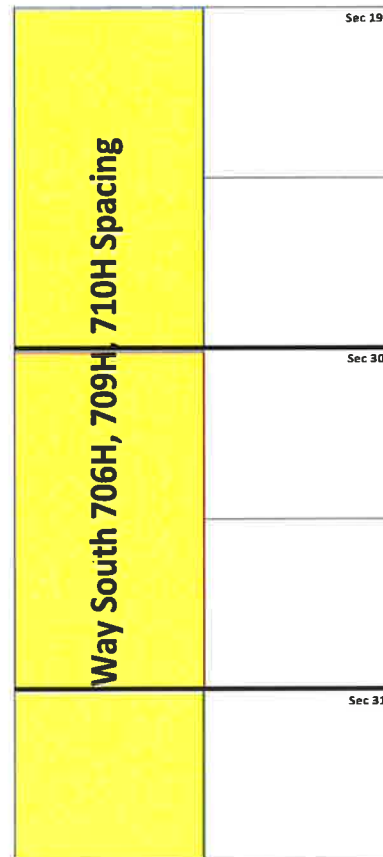
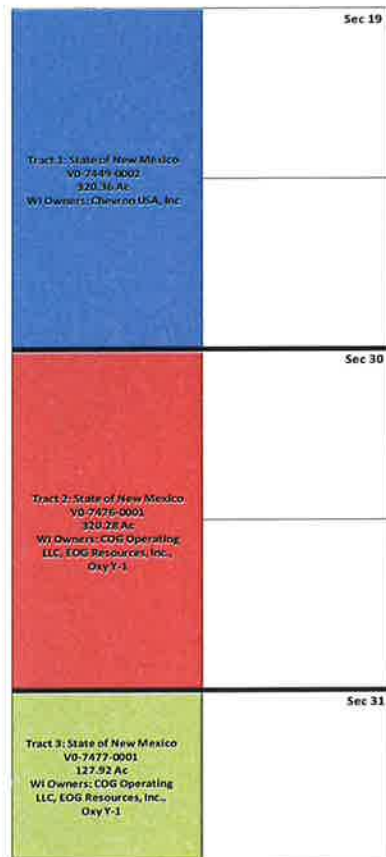
Santa Fe, New Mexico

Exhibit No. 1-B

Case No. 20419

Submitted by: COG OPERATING, LLC

Hearing Date: May 2, 2019



Way South State Com 706H, 709H, 710H - Compulsory Pooling Info Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

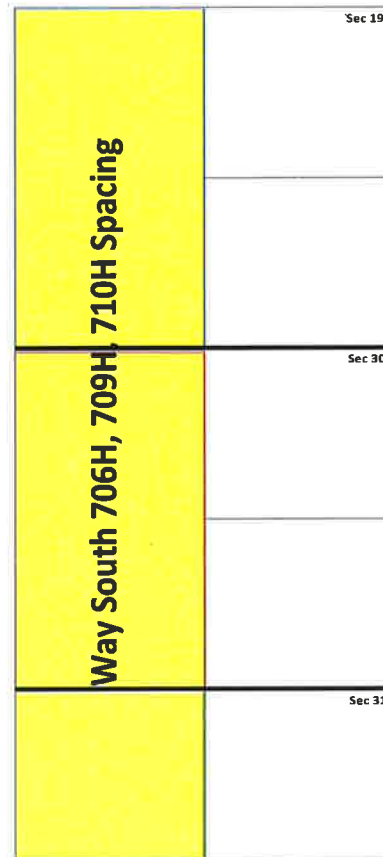
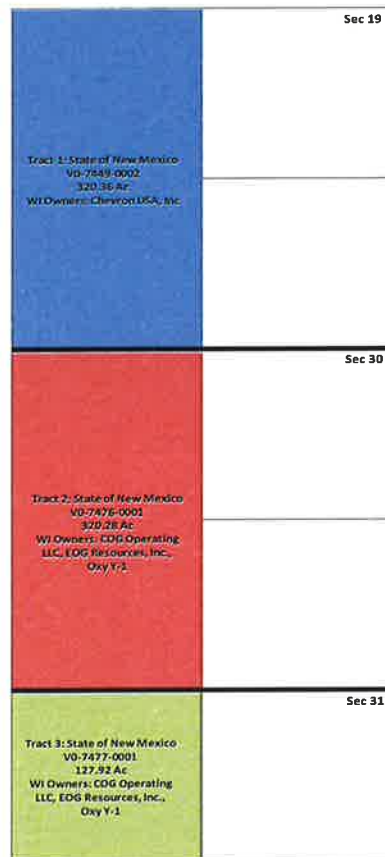
Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through managment for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%



Way South State Com 706H, 709H, 710H - Compulsory Pooling Info
 Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

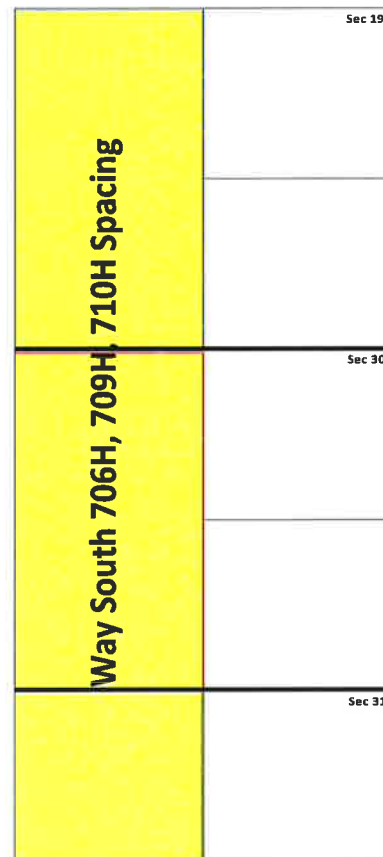
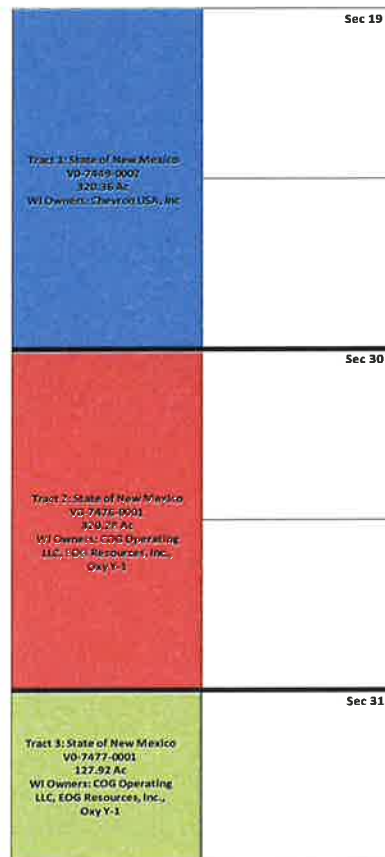
Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through management for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%



Way South State Com 706H, 709H, 710H - Compulsory Pooling Info
 Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through managment for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%

Tract 1: State of New Mexico VO-7459-0002 320.36 Ac WI Owners: Chevron USA, Inc.	Sec 19
Tract 2: State of New Mexico VO-7476-0001 320.28 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 30
Tract 3: State of New Mexico VO-7477-0001 127.92 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 31

Way South 706H, 709H, 710H Spacing	Sec 19
	Sec 30
	Sec 31

Way South State Com 706H, 709H, 710H - Compulsory Pooling Info
 Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

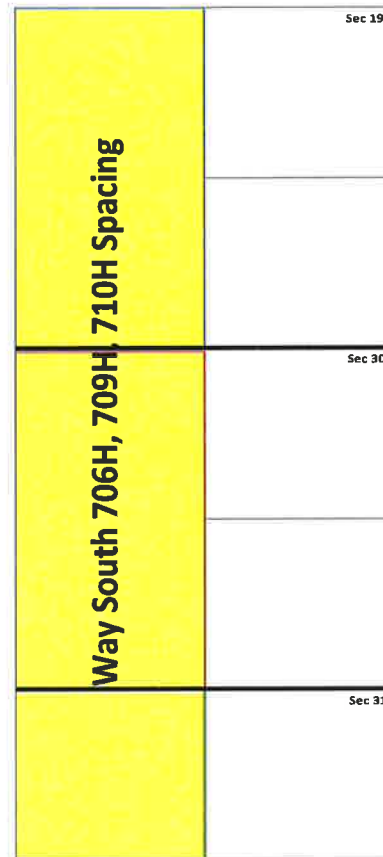
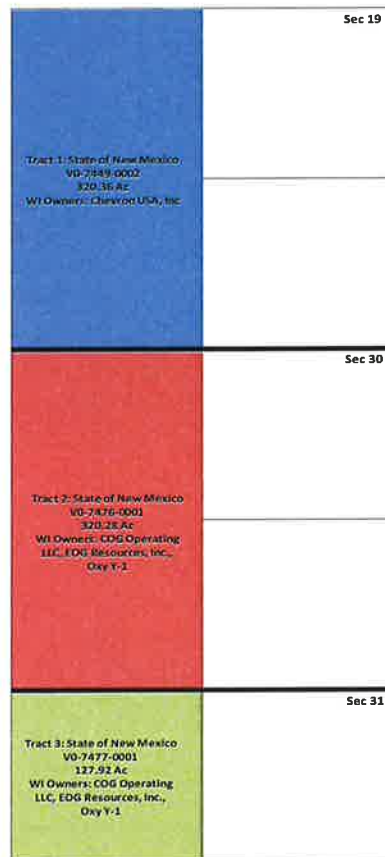
Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through managment for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%



Way South State Com 706H, 709H, 710H - Compulsory Pooling Info
 Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through management for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%

Tract 1: State of New Mexico VO-7419-0003 820.35 Ac. WI Owners: Chevron USA, Inc.	Sec 19
Tract 2: State of New Mexico VO-7476-0001 320.28 Ac. WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 30
Tract 3: State of New Mexico VO-7477-0001 127.92 Ac. WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 31

Way South 706H, 709H, 710H Spacing	Sec 19
	Sec 30
	Sec 31

Way South State Com 706H, 709H, 710H - Compulsory Pooling Info
 Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No Info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through managment for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%

Tract 1: State of New Mexico VD-7443-0002 370.35 Ac WI Owners: Chevron USA, Inc.	Sec 19
Tract 2: State of New Mexico VD-7476-0001 310.28 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 30
Tract 3: State of New Mexico VD-7477-0001 271.81 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 31

Way South 706H, 709H, 710H Spacing	Sec 19
	Sec 30
	Sec 31

Way South State Com 706H, 709H, 710H - Compulsory Pooling Info

Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

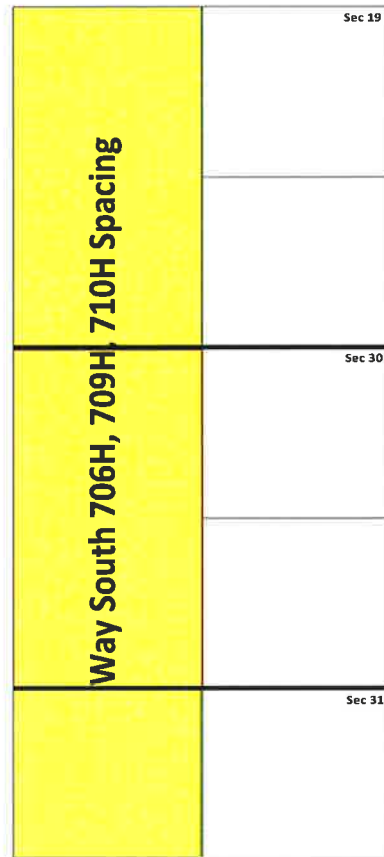
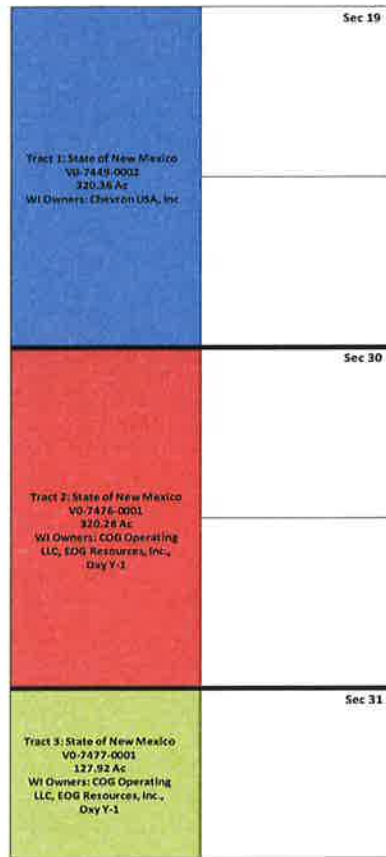
Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through managment for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%



Way South State Com 706H, 709H, 710H - Compulsory Pooling Info
 Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through managment for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%

Tract 1: State of New Mexico VO-1489-0001 120.36 Ac WI Owners: Chevron USA, Inc.	Sec 19
Tract 2: State of New Mexico VO-7476-0001 120.28 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 30
Tract 3: State of New Mexico VO-7477-0001 127.92 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 31

Way South 706H, 709H, 710H Spacing	Sec 19
	Sec 30
	Sec 31

Way South State Com 706H, 709H, 710H - Compulsory Pooling Info
Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through management for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%

Tract 1: State of New Mexico VO-7449-0002 320.36 Ac WI Owners: Chevron USA, Inc.	Sec 19
Tract 2: State of New Mexico VO-2476-0001 320.28 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 30
Tract 3: State of New Mexico VO-7457-0001 127.92 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 31

Way South 706H, 709H, 710H Spacing	Sec 19
	Sec 30
	Sec 31

Way South State Com 706H, 709H, 710H - Compulsory Pooling Info
 Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through managment for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%

Tract 1: State of New Mexico VO-7449-0002 320.39 Ac WI Owners: Chevron USA, Inc.	Sec 19
Tract 2: State of New Mexico VO-7476-0001 320.28 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 30
Tract 3: State of New Mexico VO-7477-0001 127.92 Ac WI Owners: COG Operating LLC, EOG Resources, Inc., Oxy Y-1	Sec 31

Way South 706H, 709H, 710H Spacing	Sec 19
	Sec 30
	Sec 31

Way South State Com 706H, 709H, 710H - Compulsory Pooling Info
 Sec 19: Lots 1-4, E2W2, Sec 30: Lots 1-4, E2W2, Sec 31: Lots 1-3, NENW

Proposal	Sent	WI Parties:	
JOA	Sent	COG Operating LLC	X
COM	Sent	Concho Oil & Gas LLC	X
DPU	Sent	EOG Resources, LLC	No info received
		Chevron U.S.A., Inc.	Consented, Signed COM, OA
		Oxy Y-1 Company	Consented, haven't signed OA
ORRI Parties:			
Nestegg Energy	No Pooling Req.		
			Pooling

Leasehold Ownership					
	COG WI	Concho WI	EOG WI	Chevron WI	Oxy WI
Tract 1 - Sec 19: W2	0.00%	0.00%	0.00%	100.00%	0.00%
Tract 2 - Sec 30: W2	47.50%	2.50%	37.50%	0.00%	12.50%
Tract 3 - Sec 31: NW	47.50%	2.50%	37.50%	0.00%	12.50%

Notes - Oxy Y-1 has indicated that they will be fully participating in the wells and Operating Agreement, they just have yet to push it through managment for approval. New OA is overlapping 2 older ones further spreading interest of WI parties. COG currently holds a contractual interest in every tract.

Unit Recapitulation

Owner	Working Interest
COG Operating LLC	47.488869%
Concho Oil & Gas LLC	2.499414%
EOG Resources, Inc.	26.242584%
Chevron U.S.A., Inc.	20.853291%
Oxy Y-1 Company	2.915843%



January 24, 2019

Via Certified Mail, Return Receipt Requested

WORKING INTEREST OWNERS ON ATTACHED EXHIBIT "A"

Re: **Way South State Com 706H**
W/2 of Sections 19, 30, 31, T26S-R28E
Eddy County, New Mexico

Dear Sir or Madam:

COG Operating, LLC ("COG") re-proposes the drilling of the following horizontal well with a productive lateral located in the W/2 of Sections 19, 30, & 31, T26S-R28E, Eddy County, New Mexico. The surface pad location will be located in Unit G of Section 31, T26S-R28E (subject to change). COG is rescinding the previous proposal of the below-referenced well only; the Way South State Com 701H, 702H, 703H, 704H, and 705H are not being rescinded and are still located in an E/2 spacing unit.

- **Way South State Com 706H**, to be drilled to a depth sufficient to test the WFMP B Shale formation at a total measured depth of 20,900'. The surface location for this well is proposed at a legal location in Unit G of Section 31, and a bottom hole location at a legal location in Unit C of Section 19. The dedicated project area will be the W/2 of Sections 19, 30, and 31, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,220,000, as shown on the attached AFE.

COG is proposing this well under the terms of an Operating Agreement dated October 1, 2018, which was revised and sent January 8, 2019.

If we do not reach an agreement within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well.

Please indicate your participation elections in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFEs and a copy of your geologic requirements, to my attention at the letterhead address or by email to tmacha@concho.com. Should you have any questions, please do not hesitate to contact me at 432.221.0452.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. 1-C
Case No. 20419
Submitted by: COG OPERATING, LLC
Hearing Date: May 2, 2019

Sincerely,

COG Operating LLC

Travis Macha
Landman

TM:bh
Enc

_____ I/We hereby elect to participate in the drilling and completion of the
Way South State Com 706H.

_____ I/We hereby elect not to participate in the drilling and completion of the
Way South State Com 706H.

By: _____
Name: _____
Title: _____
Date: _____

EXHIBIT "A"
WORKING INTEREST OWNERS

Via Certified Mail, Return Receipt Requested

No. 91 7199 9991 7038 7766 6422

Chevron U.S.A. Inc.

6301 Deauville

Midland, TX 79706

Attn: Kristen Hunter

Via Certified Mail, Return Receipt Requested

No. 91 7199 9991 7038 7766 6415

EOG Y Resources Inc.

EOG A Resources Inc.

EOG M Resources Inc.

5509 Champions Drive

Midland, TX 79706

Attn: Land Manager

Via Certified Mail, Return Receipt Requested

No. 91 7199 9991 7038 7766 6408

OXY Y-1 Company

5 Greenway Plaza, Suite 110

Houston, TX 77046

Attn: Jeremy Murphrey



February 7, 2019

Via Federal Express
EOG Resources Inc.
5509 Champions Drive
Midland, TX 79706
Attn: Land Manager

Re: **Way South State Com 706H**
W/2 of Sections 19, 30, 31, T26S-R28E
Eddy County, New Mexico

Dear Sir or Madam:

COG Operating, LLC ("COG") re-proposes the drilling of the following horizontal well with a productive lateral located in the W/2 of Sections 19, 30, & 31, T26S-R28E, Eddy County, New Mexico. The surface pad location will be located in Unit G of Section 31, T26S-R28E (subject to change). COG is rescinding the previous proposal of the below-referenced well only; the Way South State Com 701H, 702H, 703H, 704H, and 705H are not being rescinded and are still located in an E/2 spacing unit.

- **Way South State Com 706H**, to be drilled to a depth sufficient to test the WFMP B Shale formation at a total measured depth of 20,900'. The surface location for this well is proposed at a legal location in Unit G of Section 31, and a bottom hole location at a legal location in Unit C of Section 19. The dedicated project area will be the W/2 of Sections 19, 30, and 31, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,220,000, as shown on the attached AFE.

COG is proposing this well under the terms of an Operating Agreement dated October 1, 2018, which was revised and sent January 8, 2019.

If we do not reach an agreement within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well.

Please indicate your participation elections in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFEs and a copy of your geologic requirements, to my attention at the letterhead address or by email to tmacha@concho.com. Should you have any questions, please do not hesitate to contact me at 432.221.0452.

This letter was previously mailed to EOG Y Resources, Inc., EOG M Resources, Inc., and EOG A Resources, Inc. on January 24, 2019, but we have recently received notification of a merger of these entities into EOG Resources, Inc., and are notifying said entity accordingly.

Sincerely,

COG Operating LLC

Travis Macha
Landman

TM:bh
Enc

_____ I/We hereby elect to participate in the drilling and completion of the
Way South State Com 706H.

_____ I/We hereby elect not to participate in the drilling and completion of the
Way South State Com 706H.

By: _____
Name: _____
Title: _____
Date: _____

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
Drill & Complete**

Well Name WAY SOUTH STATE COM 706H		Prospect	Atlas 2028	
SHL: 510 FSL & 2340 FEL (OR UNIT G), SEC. 31		State & County	NEW MEXICO, EDDY COUNTY	
BHL: 200 FNL & 2385 FVL (OR UNIT C), SEC. 19		Objective	Drill & Complete	
Formation WOLF CAMP B		Depth	20,900	
Legal 19, 30, 31, T28S-R28E		TVD	9,315	
AFE Numbers				
Cost Description	Code	Cost	Revision	Total
Tangible Costs				
D-Surface Casing	401	\$48,000.00	\$0.00	\$48,000.00
D-Intemed Csg	402	\$376,000.00	\$0.00	\$376,000.00
D-Production Casing/Liner	403	\$405,000.00	\$0.00	\$405,000.00
D-Wellhead Equip	405	\$40,000.00	\$0.00	\$40,000.00
C-Tubing	504	\$47,300.00	\$0.00	\$47,300.00
C-Wellhead Equip	505	\$27,500.00	\$0.00	\$27,500.00
PEQ-Pumping Unit	506	\$96,000.00	\$0.00	\$96,000.00
PEQ-Rods	508	\$35,000.00	\$0.00	\$35,000.00
TB-Tanks	510	\$56,000.00	\$0.00	\$56,000.00
TB-Flowlines/Pipelines	511	\$117,000.00	\$0.00	\$117,000.00
TB-Hlr Trlr/Septlr	512	\$117,000.00	\$0.00	\$117,000.00
TB-Electrical System/Equipment	513	\$68,000.00	\$0.00	\$68,000.00
C-Pckrs/Anchors/Hrgs	514	\$66,000.00	\$0.00	\$66,000.00
TB-Couplings/Fillings/Valves	515	\$165,000.00	\$0.00	\$165,000.00
TB-Gas Lift/Compression	516	\$35,000.00	\$0.00	\$35,000.00
C-Miscellaneous	519	\$60,000.00	\$0.00	\$60,000.00
TB-Pumps-Surface	521	\$18,000.00	\$0.00	\$18,000.00
TB-Meters/Lacts	525	\$32,000.00	\$0.00	\$32,000.00
TB-Flares/Combusters/Emission	526	\$31,000.00	\$0.00	\$31,000.00
C-Gas Lift/Compression	527	\$15,000.00	\$0.00	\$15,000.00
PEQ-Instrumentation/SCADA/POC	529	\$7,000.00	\$0.00	\$7,000.00
PEQ-Tubing	530	\$5,000.00	\$0.00	\$5,000.00
PEQ-Wellhead Equipment	531	\$3,000.00	\$0.00	\$3,000.00
PEQ-Pumps	532	\$5,000.00	\$0.00	\$5,000.00
PEQ-Electrical System	533	\$15,000.00	\$0.00	\$15,000.00
PEQ-Packers/Anchors/Hangers	534	\$2,000.00	\$0.00	\$2,000.00
PEQ-Miscellaneous	535	\$3,000.00	\$0.00	\$3,000.00
Total Tangible Costs		\$1,934,800.00	\$0.00	\$1,934,800.00
Intangible Costs				
PS-Title/Permits	201	\$11,000.00	\$0.00	\$11,000.00
D-Insurance	202	\$4,000.00	\$0.00	\$4,000.00
PS-Damages/ROW	203	\$5,000.00	\$0.00	\$5,000.00
PS-Survey/Stake Lctn	204	\$6,000.00	\$0.00	\$6,000.00
D-Lctn/Pits/Roads	205	\$112,000.00	\$0.00	\$112,000.00
D-Drilling Overhead	206	\$9,000.00	\$0.00	\$9,000.00
D-Daywork Contract	209	\$660,000.00	\$0.00	\$660,000.00
D-Directional Drig Services	210	\$280,000.00	\$0.00	\$280,000.00
D-Fuel & Power	211	\$150,000.00	\$0.00	\$150,000.00
D-Water	212	\$55,000.00	\$0.00	\$55,000.00
D-Bits	213	\$104,000.00	\$0.00	\$104,000.00
D-Mud & Chemicals	214	\$245,000.00	\$0.00	\$245,000.00
D-Cement Surface	217	\$30,000.00	\$0.00	\$30,000.00
D-Cement Inlarned	218	\$80,000.00	\$0.00	\$80,000.00
D-Prod-2nd Int Cmt	219	\$105,000.00	\$0.00	\$105,000.00
D-Floal Equipment & Centralizers	221	\$40,000.00	\$0.00	\$40,000.00
D-Csg Crews & Equip	222	\$50,000.00	\$0.00	\$50,000.00
D-Contract Labor	225	\$6,500.00	\$0.00	\$6,500.00
D-Company Sprvsn	226	\$72,000.00	\$0.00	\$72,000.00
D-Contract Sprvsn	227	\$110,000.00	\$0.00	\$110,000.00
D-Tstg Csg/Tbg	228	\$30,000.00	\$0.00	\$30,000.00
D-Mud Logging Unit	229	\$40,000.00	\$0.00	\$40,000.00
D-Perf/Wireline Svc	231	\$4,000.00	\$0.00	\$4,000.00
D-Rentals-Surface	235	\$170,000.00	\$0.00	\$170,000.00
D-Rentals-Subsrfc	236	\$170,000.00	\$0.00	\$170,000.00
D-Trucking/Forklift/Rig Mob	237	\$140,000.00	\$0.00	\$140,000.00
D-Welding Services	238	\$3,500.00	\$0.00	\$3,500.00
D-Contingency	243	\$44,000.00	\$0.00	\$44,000.00
D-Envrnmnt/Cldd Loop	244	\$265,000.00	\$0.00	\$265,000.00
C-Lctn/Pits/Roads	305	\$10,000.00	\$0.00	\$10,000.00
C-Frac Equipment	307	\$1,482,000.00	\$0.00	\$1,482,000.00
C-Frac Chemicals	308	\$776,000.00	\$0.00	\$776,000.00
C-Frac Proppant	309	\$1,150,000.00	\$0.00	\$1,150,000.00
C-Frac Proppant Transportation	310	\$148,000.00	\$0.00	\$148,000.00
C-Fuel & Power	311	\$5,000.00	\$0.00	\$5,000.00
C-Water	312	\$930,000.00	\$0.00	\$930,000.00
C-Bits	313	\$9,000.00	\$0.00	\$9,000.00
C-Mud & Chemicals	314	\$25,000.00	\$0.00	\$25,000.00
C-Contract Labor	325	\$8,200.00	\$0.00	\$8,200.00
C-Company Sprvsn	326	\$15,000.00	\$0.00	\$15,000.00
C-Contract Sprvsn	327	\$134,000.00	\$0.00	\$134,000.00
C-Tstg Csg/Tbg	328	\$5,000.00	\$0.00	\$5,000.00
C-Perf/Wireline Svc	331	\$600,000.00	\$0.00	\$600,000.00
C-Stimulation/Treating	332	\$12,000.00	\$0.00	\$12,000.00
C-Completion Unit	333	\$80,000.00	\$0.00	\$80,000.00
C-Rentals-Surface	335	\$296,000.00	\$0.00	\$296,000.00
C-Rentals-Subsrfc	336	\$85,000.00	\$0.00	\$85,000.00
C-Trucking/Forklift/Rig Mob	337	\$22,500.00	\$0.00	\$22,500.00
C-Welding Services	338	\$5,000.00	\$0.00	\$5,000.00
C-Water Disposal	339	\$60,000.00	\$0.00	\$60,000.00
C-Contingency	343	\$250,000.00	\$0.00	\$250,000.00
C-Envrnmnt/Cldd Loop	344	\$5,000.00	\$0.00	\$5,000.00
C-Dyed Diesel	345	\$435,000.00	\$0.00	\$435,000.00
C-Coil Tubing	346	\$422,000.00	\$0.00	\$422,000.00
C-Flowback Crews & Equip	347	\$48,000.00	\$0.00	\$48,000.00
TB-Location/Pits/Roads	353	\$73,000.00	\$0.00	\$73,000.00
TB-Contract Labor	356	\$69,000.00	\$0.00	\$69,000.00
TB-Water Disposal	362	\$135,000.00	\$0.00	\$135,000.00
PEQ-Contract Labor	374	\$6,500.00	\$0.00	\$6,500.00
PEQ-Contract Supervision	376	\$5,000.00	\$0.00	\$5,000.00
PEQ-Completion Unit	381	\$8,000.00	\$0.00	\$8,000.00
PEQ-Rentals-Surface	383	\$7,000.00	\$0.00	\$7,000.00
PEQ-Trkg/Forkfltr/Rlg Mobilization	385	\$3,000.00	\$0.00	\$3,000.00
Total Intangible Costs		\$10,286,200.00	\$0.00	\$10,286,200.00
Total Gross Cost		\$12,220,000.00	\$0.00	\$12,220,000.00
Note: The above costs are estimates only. Actual costs will be billed as incurred				

Note: The above costs are estimates only. Actual costs will be billed as incurred.

COG Operating LLC

By: _____

Date Prepared: 8/9/18

We approve:

% Working Interest

COG Operating LLC

By: _____

Company:

By: _____

Printed Name:

Title: _____

Date: _____

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.



February 20, 2019

Via Certified Mail, Return Receipt Requested

WORKING INTEREST OWNERS ON ATTACHED EXHIBIT "A"

Re: **Way South State Com 709H & 710H**
W/2 of Sections 19, 30, 31, T26S-R28E
Eddy County, New Mexico

Dear Sir or Madam:

COG Operating, LLC ("COG") proposes the drilling of the following horizontal well with a productive lateral located in the W/2 of Sections 19, 30, & 31, T26S-R28E, Eddy County, New Mexico. The surface pad location will be located in Unit E of Section 31, T26S-R28E (subject to change).

- **Way South State Com 709H**, to be drilled to a depth sufficient to test the WFMP A Shale formation at a total measured depth of 20,700'. The surface location for this well is proposed at a legal location in Unit E of Section 31, and a bottom hole location at a legal location in Unit D of Section 19. The dedicated project area will be the W/2 of Sections 19, 30, and 31, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,220,000, as shown on the attached AFE.
- **Way South State Com 710H**, to be drilled to a depth sufficient to test the WFMP A Shale formation at a total measured depth of 20,700'. The surface location for this well is proposed at a legal location in Unit E of Section 31, and a bottom hole location at a legal location in Unit D of Section 19. The dedicated project area will be the W/2 of Sections 19, 30, and 31, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$12,220,000, as shown on the attached AFE.

COG is proposing this well under the terms of an Operating Agreement dated October 1, 2018, which was revised and sent January 8, 2019.

If we do not reach an agreement within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well.

Please indicate your participation elections in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFEs and a copy of your geologic requirements, to my attention at the letterhead address or by email to tmacha@concho.com. Should you have any questions, please do not hesitate to contact me at 432.221.0452.

Sincerely,

COG Operating LLC

Travis Macha
Landman

TM:bh
Enc

_____ I/We hereby elect to participate in the drilling and completion of the
Way South State Com 709H.

_____ I/We hereby elect not to participate in the drilling and completion of the
Way South State Com 709H.

_____ I/We hereby elect to participate in the drilling and completion of the
Way South State Com 710H.

_____ I/We hereby elect not to participate in the drilling and completion of the
Way South State Com 710H.

By: _____
Name: _____
Title: _____
Date: _____

EXHIBIT "A"
WORKING INTEREST OWNERS

Via Certified Mail, Return Receipt Requested

No. 91 7199 9991 7039 1752 4200

Chevron U.S.A. Inc.

6301 Deauville

Midland, TX 79706

Attn: Kristen Hunter

Via Certified Mail, Return Receipt Requested

No. 91 7199 9991 7039 1752 4194

EOG Resources, Inc.

5509 Champions Drive

Midland, TX 79706

Attn: Land Manager

Via Certified Mail, Return Receipt Requested

No. 91 7199 9991 7039 1752 4187

OXY Y-1 Company

5 Greenway Plaza, Suite 110

Houston, TX 77046

Attn: Jeremy Murphrey

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
Drill & Complete**

Well Name WAY SOUTH STATE COM 709H		Prospect		Alias 2028
SHL: 792 FNL & 836 FVL (OR UNIT E), SEC. 31		State & County		NEW MEXICO, EDDY COUNTY
BHL: 200 FNL & 1264 FVL (OR UNIT D), SEC. 19		Objective		Drill & Complete
Formation WOLF CAMP A SHALE		Depth		20,700
Legal 19, 30, 31, T26S-R26E		TVD		9,115
APE Numbers				
Cost Description	Code	Cost	Revision	Total
Tangible Costs				
D-Surface Casing	401	\$48,000.00	\$0.00	\$48,000.00
D-Intermed Cag	402	\$376,000.00	\$0.00	\$376,000.00
D-Production Casing/Liner	403	\$405,000.00	\$0.00	\$405,000.00
D-Wellhead Equip	405	\$40,000.00	\$0.00	\$40,000.00
C-Tubing	504	\$47,300.00	\$0.00	\$47,300.00
C-Wellhead Equip	505	\$27,500.00	\$0.00	\$27,500.00
PEQ-Pumping Unit	500	\$96,000.00	\$0.00	\$96,000.00
PEQ-Rods	508	\$35,000.00	\$0.00	\$35,000.00
TB-Tanks	510	\$56,000.00	\$0.00	\$56,000.00
TB-Flowlines/Pipelines	511	\$117,000.00	\$0.00	\$117,000.00
TB-Hlr Trlr/Saptr	512	\$117,000.00	\$0.00	\$117,000.00
TB-Electrical System/Equipment	513	\$89,000.00	\$0.00	\$89,000.00
C-Pckrs/Anchors/Lgtrs	514	\$66,000.00	\$0.00	\$66,000.00
TB-Couplings/Fittings/Valves	515	\$165,000.00	\$0.00	\$165,000.00
TB-Gas Lift/Compression	516	\$35,000.00	\$0.00	\$35,000.00
C-Miscellaneous	519	\$80,000.00	\$0.00	\$80,000.00
TB-Pumps-Surface	521	\$18,000.00	\$0.00	\$18,000.00
TB-Meters/Lacle	525	\$32,000.00	\$0.00	\$32,000.00
TB-Flares/Combustors/Emission	526	\$31,000.00	\$0.00	\$31,000.00
C-Gas Lift/Compression	527	\$15,000.00	\$0.00	\$15,000.00
PEQ-Instrumentation/SCADA/POC	529	\$7,000.00	\$0.00	\$7,000.00
PEQ-Tubing	530	\$5,000.00	\$0.00	\$5,000.00
PEQ-Wellhead Equipment	531	\$3,000.00	\$0.00	\$3,000.00
PEQ-Pumps	532	\$5,000.00	\$0.00	\$5,000.00
PEQ-Electrical System	533	\$15,000.00	\$0.00	\$15,000.00
PEQ-Packers/Anchors/Hangers	534	\$2,000.00	\$0.00	\$2,000.00
PEQ-Miscellaneous	535	\$3,000.00	\$0.00	\$3,000.00
Total Tangible Costs		\$1,934,800.00	\$0.00	\$1,934,800.00
Intangible Costs				
PS-Title/Permits	201	\$11,000.00	\$0.00	\$11,000.00
D-Insurance	202	\$4,000.00	\$0.00	\$4,000.00
PS-Damages/ROW	203	\$5,000.00	\$0.00	\$5,000.00
PS-Survey/State LcIn	204	\$6,000.00	\$0.00	\$6,000.00
D-LcIn/Pits/Roads	205	\$112,000.00	\$0.00	\$112,000.00
D-Drilling Overhead	206	\$9,000.00	\$0.00	\$9,000.00
D-Daywork Contract	209	\$660,000.00	\$0.00	\$660,000.00
D-Directional Drllg Services	210	\$280,000.00	\$0.00	\$280,000.00
D-Fuel & Power	211	\$150,000.00	\$0.00	\$150,000.00
D-Water	212	\$55,000.00	\$0.00	\$55,000.00
D-Bits	213	\$104,000.00	\$0.00	\$104,000.00
D-Mud & Chemicals	214	\$245,000.00	\$0.00	\$245,000.00
D-Cement Surface	217	\$30,000.00	\$0.00	\$30,000.00
D-Cement Intermed	218	\$80,000.00	\$0.00	\$80,000.00
D-Prod-2nd Int Cmtl	219	\$105,000.00	\$0.00	\$105,000.00
D-Float Equipment & Centralizers	221	\$40,000.00	\$0.00	\$40,000.00
D-Csg Crews & Equip	222	\$50,000.00	\$0.00	\$50,000.00
D-Contract Labor	226	\$6,500.00	\$0.00	\$6,500.00
D-Company Sprvsn	226	\$72,000.00	\$0.00	\$72,000.00
D-Contract Sprvsn	227	\$110,000.00	\$0.00	\$110,000.00
D-Tatg Csg/Tbg	228	\$30,000.00	\$0.00	\$30,000.00
D-Mud Logging Unit	229	\$40,000.00	\$0.00	\$40,000.00
D-Perf/Wireline Svc	231	\$4,000.00	\$0.00	\$4,000.00
D-Rentals-Surface	235	\$170,000.00	\$0.00	\$170,000.00
D-Rentals-Subsrtc	236	\$170,000.00	\$0.00	\$170,000.00
D-Trucking/Forklift/Rlg Mob	237	\$140,000.00	\$0.00	\$140,000.00
D-Welding Services	238	\$3,500.00	\$0.00	\$3,500.00
D-Contingency	243	\$44,000.00	\$0.00	\$44,000.00
D-Envrmtl/Cld Loop	244	\$265,000.00	\$0.00	\$265,000.00
C-LcIn/Pits/Roads	305	\$10,000.00	\$0.00	\$10,000.00
C-Frac Equipment	307	\$1,482,000.00	\$0.00	\$1,482,000.00
C-Frac Chemicals	309	\$776,000.00	\$0.00	\$776,000.00
C-Frac Proppant	309	\$1,150,000.00	\$0.00	\$1,150,000.00
C-Frac Proppant Transportation	310	\$148,000.00	\$0.00	\$148,000.00
C-Fuel & Power	311	\$5,000.00	\$0.00	\$5,000.00
C-Water	312	\$930,000.00	\$0.00	\$930,000.00
C-Bits	313	\$9,000.00	\$0.00	\$9,000.00
C-Mud & Chemicals	314	\$25,000.00	\$0.00	\$25,000.00
C-Contract Labor	326	\$8,200.00	\$0.00	\$8,200.00
C-Company Sprvsn	326	\$15,000.00	\$0.00	\$15,000.00
C-Contract Sprvsn	327	\$134,000.00	\$0.00	\$134,000.00
C-Tatg Csg/Tbg	328	\$5,000.00	\$0.00	\$5,000.00
C-Perf/Wireline Svc	331	\$600,000.00	\$0.00	\$600,000.00
C-Stimulation/Reating	332	\$12,000.00	\$0.00	\$12,000.00
C-Completion Unit	333	\$60,000.00	\$0.00	\$60,000.00
C-Rentals-Surface	335	\$206,000.00	\$0.00	\$206,000.00
C-Rentals-Subsrtc	336	\$85,000.00	\$0.00	\$85,000.00
C-Trucking/Forklift/Rlg Mob	337	\$22,500.00	\$0.00	\$22,500.00
C-Welding Services	338	\$5,000.00	\$0.00	\$5,000.00
C-Water Disposal	339	\$60,000.00	\$0.00	\$60,000.00
C-Contingency	343	\$250,000.00	\$0.00	\$250,000.00
C-Envrmtl/Cld Loop	344	\$5,000.00	\$0.00	\$5,000.00
C-Dyed Diesel	345	\$435,000.00	\$0.00	\$435,000.00
C-Coil Tubing	349	\$422,000.00	\$0.00	\$422,000.00
C-Flowback Crews & Equip	347	\$48,000.00	\$0.00	\$48,000.00
TB-Location/Pits/Roads	363	\$73,000.00	\$0.00	\$73,000.00
TB-Contract Labor	366	\$69,000.00	\$0.00	\$69,000.00
TB-Water Disposal	362	\$135,000.00	\$0.00	\$135,000.00
PEQ-Contract Labor	374	\$6,500.00	\$0.00	\$6,500.00
PEQ-Contract Supervision	376	\$5,000.00	\$0.00	\$5,000.00
PEQ-Completion Unit	381	\$8,000.00	\$0.00	\$8,000.00
PEQ-Rentals-Surface	383	\$7,000.00	\$0.00	\$7,000.00
PEQ-Trkg/Forklift/Rlg Mobilization	365	\$3,000.00	\$0.00	\$3,000.00
Total Intangible Costs		\$10,285,200.00	\$0.00	\$10,285,200.00
Total Gross Cost		\$12,220,000.00	\$0.00	\$12,220,000.00

Note: The above costs are estimates only. Actual costs will be billed as incurred.

COG Operating LLC

By: _____

Date Prepared: 8/9/18

We approve:

% Working Interest

COG Operating LLC

By: _____

Company: _____

By: _____

Printed Name: _____

Title: _____

Date: _____

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
Drill & Complete**

Well Name WAY SOUTH STATE COM 710H		Prospect	Atlas 2020	
SHL: 792 FSL & 805 FWL (OR UNIT E), SEC. 31		State & County	NEW MEXICO, EDDY COUNTY	
BHL: 200 FNL & 330 FWL (OR UNIT D), SEC. 10		Objective	Drill & Complete	
Formation WOLF CAMP A shale		Depth	20,700	
Legal 18, 30, 31, T26S-R28E		TVD	9,115	
AFE Numbers				
Cost Description	Code	Cost	Revision	Total
Tangible Costs				
D-Surface Casing	401	\$48,000.00	\$0.00	\$48,000.00
D-Intermed Csg	402	\$376,000.00	\$0.00	\$376,000.00
D-Production Casing/Liner	403	\$405,000.00	\$0.00	\$405,000.00
D-Wellhead Equip	405	\$40,000.00	\$0.00	\$40,000.00
C-Tubing	504	\$47,300.00	\$0.00	\$47,300.00
C-Wellhead Equip	505	\$27,500.00	\$0.00	\$27,500.00
PEQ-Pumping Unit	506	\$96,000.00	\$0.00	\$96,000.00
PEQ-Rods	508	\$35,000.00	\$0.00	\$35,000.00
TB-Tanks	510	\$56,000.00	\$0.00	\$56,000.00
TB-Flowlines/Pipelines	511	\$117,000.00	\$0.00	\$117,000.00
TB-Hlr Trtr/Seprtr	512	\$117,000.00	\$0.00	\$117,000.00
TB-Electrical System/Equipment	513	\$88,000.00	\$0.00	\$88,000.00
C-Pckrs/Anchors/Hrgs	514	\$66,000.00	\$0.00	\$66,000.00
TB-Couplings/Fittings/Valves	515	\$165,000.00	\$0.00	\$165,000.00
TB-Gas Lift/Compression	516	\$36,000.00	\$0.00	\$36,000.00
C-Miscellaneous	519	\$80,000.00	\$0.00	\$80,000.00
TB-Pumps-Surface	521	\$18,000.00	\$0.00	\$18,000.00
TB-Meters/Lacts	525	\$32,000.00	\$0.00	\$32,000.00
TB-Flares/Combustors/Emission	526	\$31,000.00	\$0.00	\$31,000.00
C-Gas Lift/Compression	527	\$15,000.00	\$0.00	\$15,000.00
PEQ-Instrumentation/SCADA/POC	529	\$7,000.00	\$0.00	\$7,000.00
PEQ-Tubing	530	\$5,000.00	\$0.00	\$5,000.00
PEQ-Wellhead Equipment	531	\$3,000.00	\$0.00	\$3,000.00
PEQ-Pumps	532	\$5,000.00	\$0.00	\$5,000.00
PEQ-Electrical System	533	\$15,000.00	\$0.00	\$15,000.00
PEQ-Packers/Anchors/Hangers	534	\$2,000.00	\$0.00	\$2,000.00
PEQ-Miscellaneous	535	\$3,000.00	\$0.00	\$3,000.00
Total Tangible Costs		\$1,934,800.00	\$0.00	\$1,934,800.00
Intangible Costs				
PS-Title/Permits	201	\$11,000.00	\$0.00	\$11,000.00
D-Insurance	202	\$4,000.00	\$0.00	\$4,000.00
PS-Damages/ROW	203	\$5,000.00	\$0.00	\$5,000.00
PS-Survey/State Lctn	204	\$6,000.00	\$0.00	\$6,000.00
D-Lctn/Pits/Roads	205	\$112,000.00	\$0.00	\$112,000.00
D-Dnng Overhead	206	\$9,000.00	\$0.00	\$9,000.00
D-Daywork Contract	209	\$660,000.00	\$0.00	\$660,000.00
D-Directional Drig Services	210	\$280,000.00	\$0.00	\$280,000.00
D-Fuel & Power	211	\$150,000.00	\$0.00	\$150,000.00
D-Water	212	\$55,000.00	\$0.00	\$55,000.00
D-Bits	213	\$104,000.00	\$0.00	\$104,000.00
D-Mud & Chemicals	214	\$245,000.00	\$0.00	\$245,000.00
D-Cement Surface	217	\$30,000.00	\$0.00	\$30,000.00
D-Cement Intermed	218	\$80,000.00	\$0.00	\$80,000.00
D-Prod-2nd Int Cml	219	\$105,000.00	\$0.00	\$105,000.00
D-Float Equipment & Centralizers	221	\$40,000.00	\$0.00	\$40,000.00
D-Csg Crews & Equip	222	\$50,000.00	\$0.00	\$50,000.00
D-Contract Labor	225	\$8,500.00	\$0.00	\$8,500.00
D-Company Sprvan	226	\$72,000.00	\$0.00	\$72,000.00
D-Contract Sprvan	227	\$110,000.00	\$0.00	\$110,000.00
D-Tstg Csg/Tbg	228	\$30,000.00	\$0.00	\$30,000.00
D-Mud Logging Unit	229	\$40,000.00	\$0.00	\$40,000.00
D-Perf/Wireline Svc	231	\$4,000.00	\$0.00	\$4,000.00
D-Rentals-Surface	235	\$170,000.00	\$0.00	\$170,000.00
D-Rentals-Subsfc	236	\$170,000.00	\$0.00	\$170,000.00
D-Trucking/Forklift/Rig Mob	237	\$140,000.00	\$0.00	\$140,000.00
D-Welding Services	238	\$3,500.00	\$0.00	\$3,500.00
D-Contingency	243	\$44,000.00	\$0.00	\$44,000.00
D-Envrmtl/Cld Loop	244	\$285,000.00	\$0.00	\$285,000.00
C-Lctn/Pits/Roads	305	\$10,000.00	\$0.00	\$10,000.00
C-Frac Equipment	307	\$1,482,000.00	\$0.00	\$1,482,000.00
C-Frac Chemicals	308	\$776,000.00	\$0.00	\$776,000.00
C-Frac Proppant	309	\$1,150,000.00	\$0.00	\$1,150,000.00
C-Frac Proppant Transportation	310	\$148,000.00	\$0.00	\$148,000.00
C-Fuel & Power	311	\$5,000.00	\$0.00	\$5,000.00
C-Water	312	\$830,000.00	\$0.00	\$830,000.00
C-Bits	313	\$9,000.00	\$0.00	\$9,000.00
C-Mud & Chemicals	314	\$25,000.00	\$0.00	\$25,000.00
C-Contract Labor	325	\$8,200.00	\$0.00	\$8,200.00
C-Company Sprvan	326	\$15,000.00	\$0.00	\$15,000.00
C-Contract Sprvan	327	\$134,000.00	\$0.00	\$134,000.00
C-Tstg Csg/Tbg	328	\$5,000.00	\$0.00	\$5,000.00
C-Perf/Wireline Svc	331	\$600,000.00	\$0.00	\$600,000.00
C-Stimulation/Treating	332	\$12,000.00	\$0.00	\$12,000.00
C-Completion Unit	333	\$60,000.00	\$0.00	\$60,000.00
C-Rentals-Surface	335	\$296,000.00	\$0.00	\$296,000.00
C-Rentals-Subsfc	336	\$65,000.00	\$0.00	\$65,000.00
C-Trucking/Forklift/Rig Mob	337	\$22,500.00	\$0.00	\$22,500.00
C-Welding Services	338	\$5,000.00	\$0.00	\$5,000.00
C-Water Disposal	339	\$50,000.00	\$0.00	\$50,000.00
C-Contingency	343	\$250,000.00	\$0.00	\$250,000.00
C-Envrmtl/Cld Loop	344	\$5,000.00	\$0.00	\$5,000.00
C-Dyed Diesel	345	\$435,000.00	\$0.00	\$435,000.00
C-Coil Tubing	346	\$422,000.00	\$0.00	\$422,000.00
C-Flowback Crews & Equip	347	\$48,000.00	\$0.00	\$48,000.00
TB-Location/Pits/Roads	353	\$73,000.00	\$0.00	\$73,000.00
TB-Contract Labor	356	\$69,000.00	\$0.00	\$69,000.00
TB-Water Disposal	362	\$135,000.00	\$0.00	\$135,000.00
PEQ-Contract Labor	374	\$6,500.00	\$0.00	\$6,500.00
PEQ-Contract Supervision	376	\$5,000.00	\$0.00	\$5,000.00
PEQ-Completion Unit	381	\$8,000.00	\$0.00	\$8,000.00
PEQ-Rentals-Surface	383	\$7,000.00	\$0.00	\$7,000.00
PEQ-Truck/Forklift/Rig Mobilization	385	\$3,000.00	\$0.00	\$3,000.00
Total Intangible Costs		\$10,285,200.00	\$0.00	\$10,285,200.00
Total Gross Cost		\$12,220,000.00	\$0.00	\$12,220,000.00

Note: The above costs are estimates only. Actual costs will be billed as incurred.

COG Operating LLC

By _____

Date Prepared: 8/9/18

We approve:

% Working Interest

COG Operating LLC

By _____

Company: _____

By _____

Printed Name: _____

Title: _____

Date: _____

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF COG OPERATING LLC
FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 20419

AFFIDAVIT OF MATT FISHER

Matt Fisher, of lawful age and being first duly sworn, declares as follows:

1. My name is Matt Fisher. I work for COG Operating LLC ("COG") as a geologist.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology. My credentials as a petroleum geology have been accepted by the Division and made a matter of record.
3. I am familiar with the applications filed by COG in these cases and I have conducted a geologic study of the targeted Wolfcamp A within the Wolfcamp formation underlying the subject acreage.
4. COG is targeting Wolfcamp A within the Wolfcamp formation with its proposed **Way South State Com No. 706H, Way South State Com No. 709H, and Way South State Com No. 710H.**
5. **COG Exhibit No. 2A** is a project locator map that reflects COG's acreage in yellow. The path of the proposed wells are depicted by dashed pink lines. Existing producing wells in the Wolfcamp A shale are represented by solid pink lines.
6. **COG Exhibit No. 2B** is a subsea structure map that I prepared on the top of the Wolfcamp A that is representative of the targeted intervals within the Wolfcamp formation. The structure map shows that the formation is gently dipping to the east in this area. I do not observe

any faulting, pinchouts, or other geologic impediments to developing the targeted Wolfcamp A with a horizontal well in this area.

7. **COG Exhibit No. 2C** overlays a cross-section line in red consisting of three wells penetrating the Wolfcamp formation that I used to construct a stratigraphic cross-section from A to A'. I consider these wells to be representative of the geology in the area.

8. **COG Exhibit No. 2D** is a cross section using the representative wells depicted on Exhibit 2C. Each well in the cross-section contains gamma ray, resistivity, and porosity logs. The proposed target intervals in the Wolfcamp A are labeled and depicted in green on the exhibit. The cross-section demonstrates that the targeted intervals extend across the proposed spacing and proration unit in all cases.

9. In my opinion the stand-up orientation of the proposed wells is the preferred orientation for horizontal well development in this area and is appropriate to efficiently and effectively develop the subject acreage.

10. Based on my geologic study, the Wolfcamp formation underlying the subject area, including the targeted Wolfcamp A, is suitable for development by horizontal wells and the acreage comprising the proposed spacing and proration units will contribute more-or-less equally to the production from the wellbores.

11. In my opinion, the granting of COG's application will be in the best interest of conservation, the prevention of waste, and protection of correlative rights.

FURTHER AFFIANT SAYETH NOT.

Matt Fisher
MATT FISHER

STATE OF TEXAS)
COUNTY OF Midland)

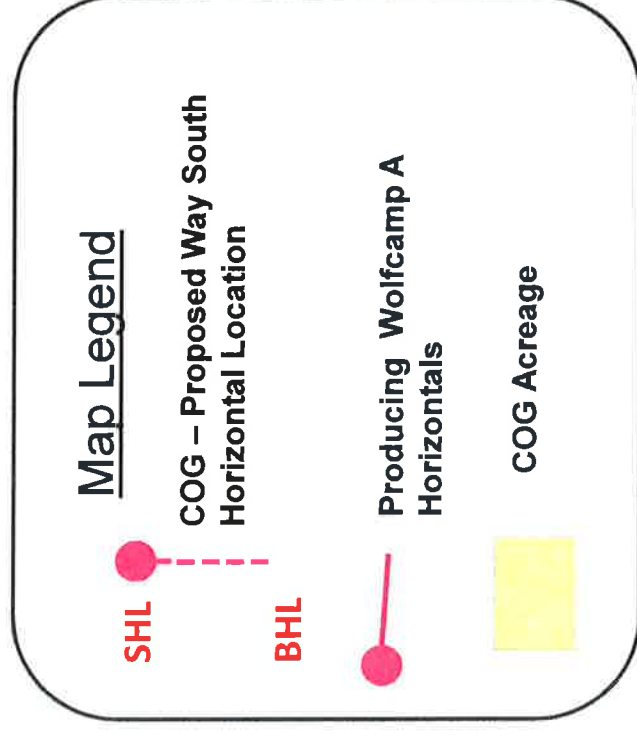
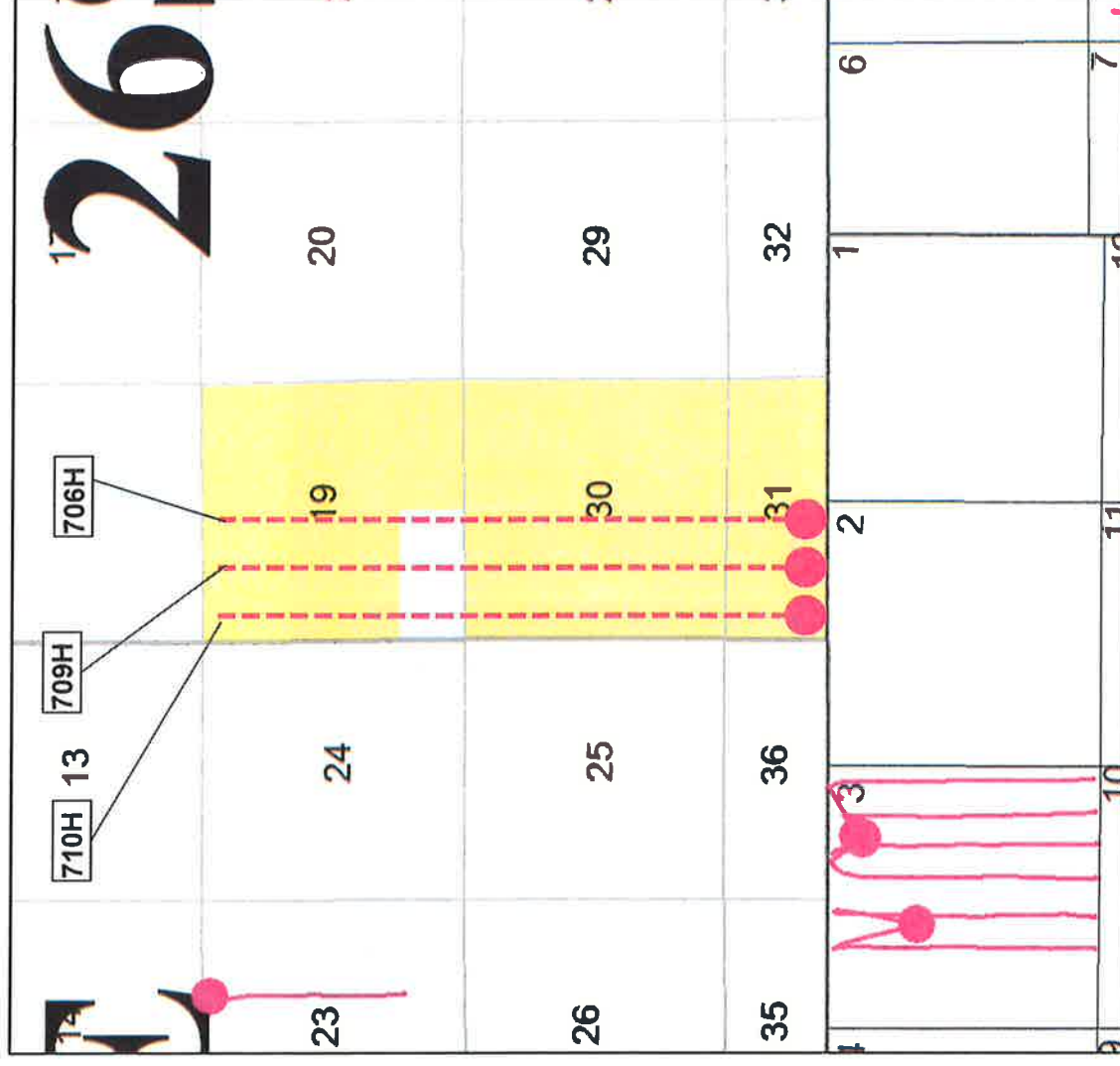
SUBSCRIBED and SWORN to before me this 25th day of April 2019 by Matt Fisher.



Sandra S Venerable
NOTARY PUBLIC

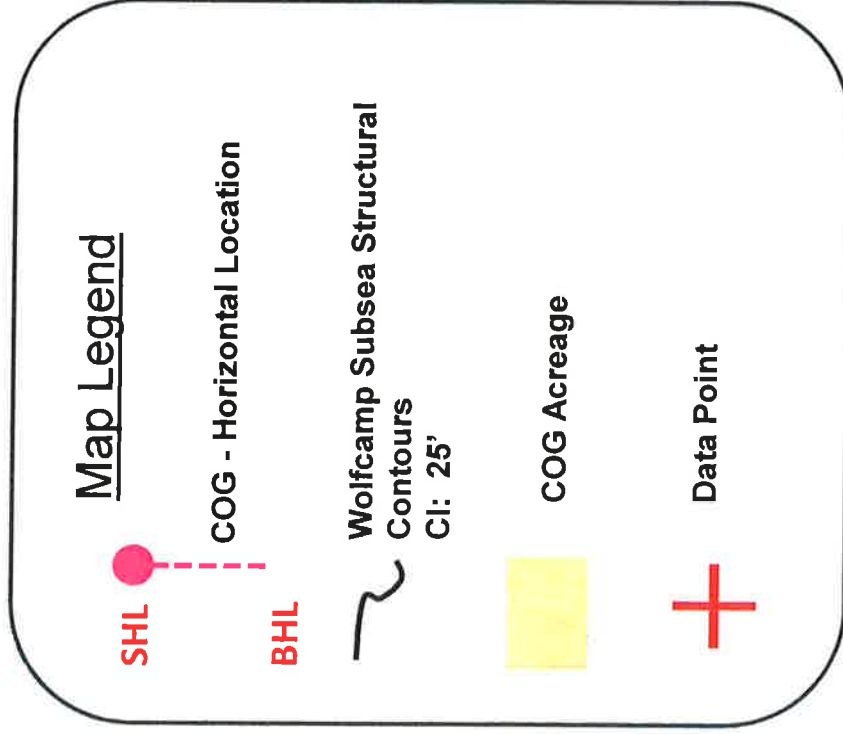
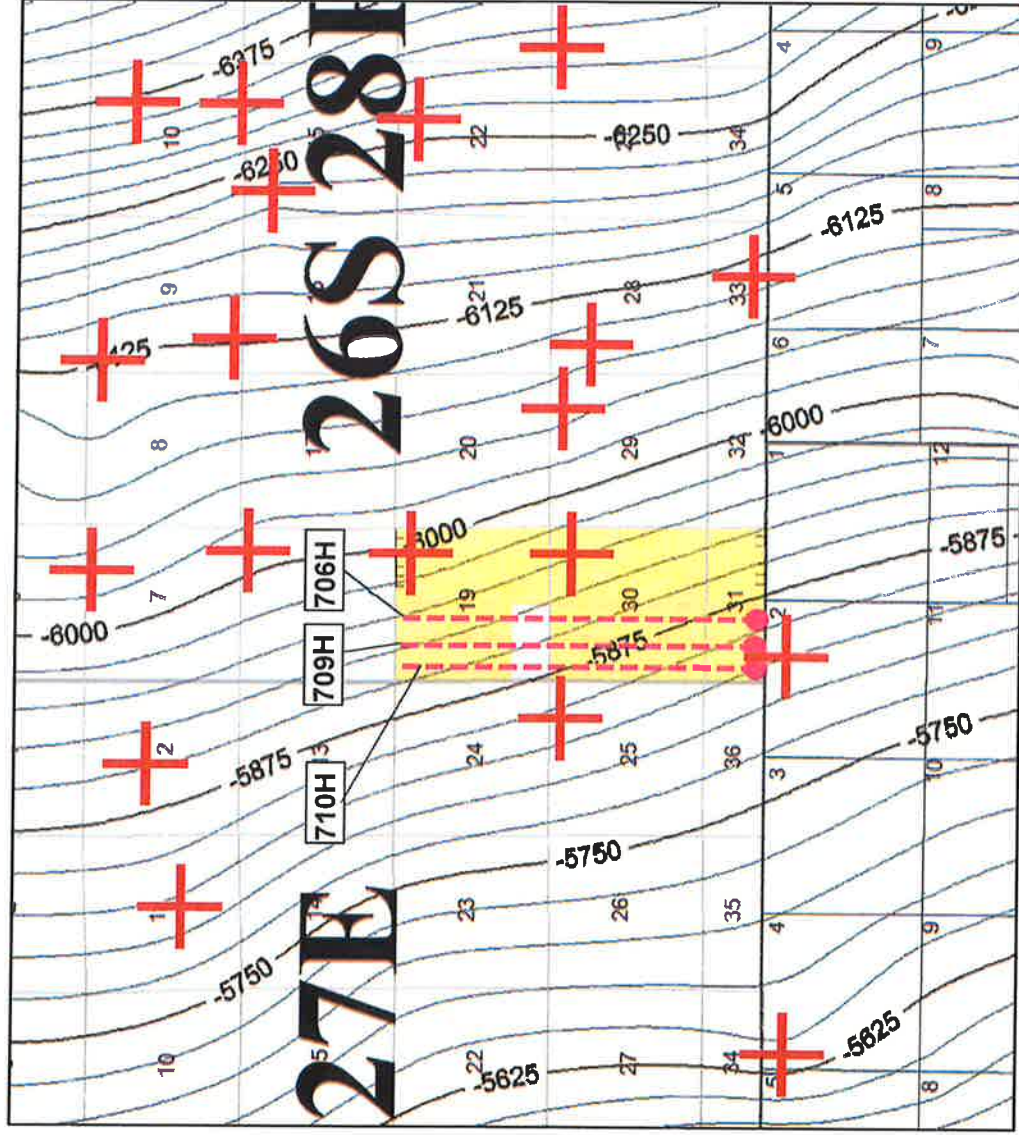
My Commission Expires:

Wolfcamp Pool Way South State Com Locations



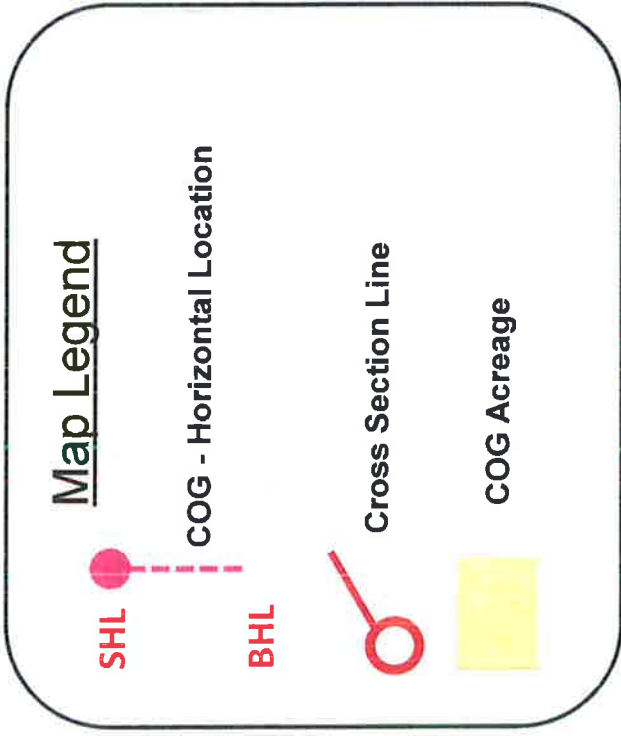
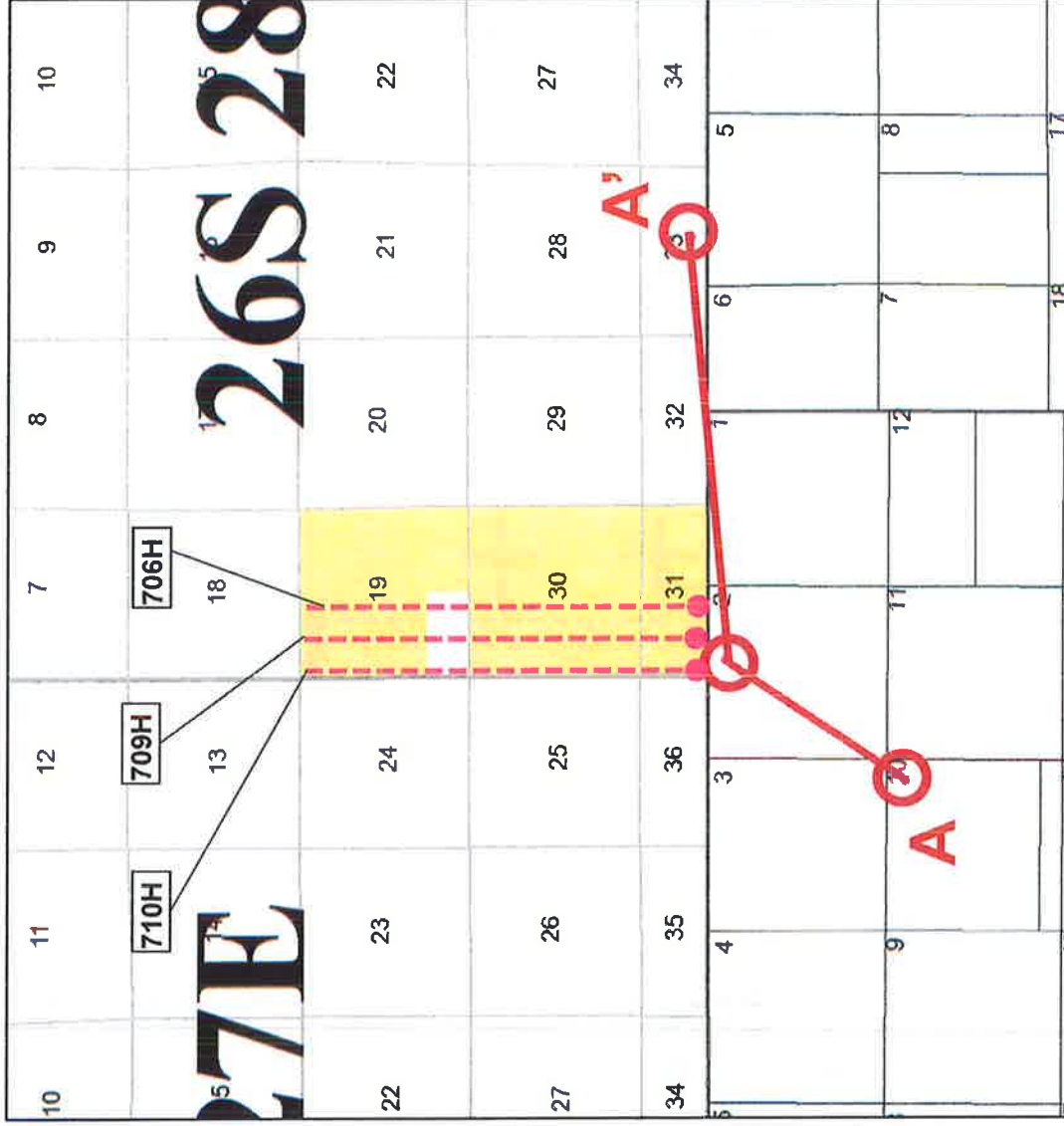
Wolfcamp Pool

Wolfcamp Subsea Structure Map

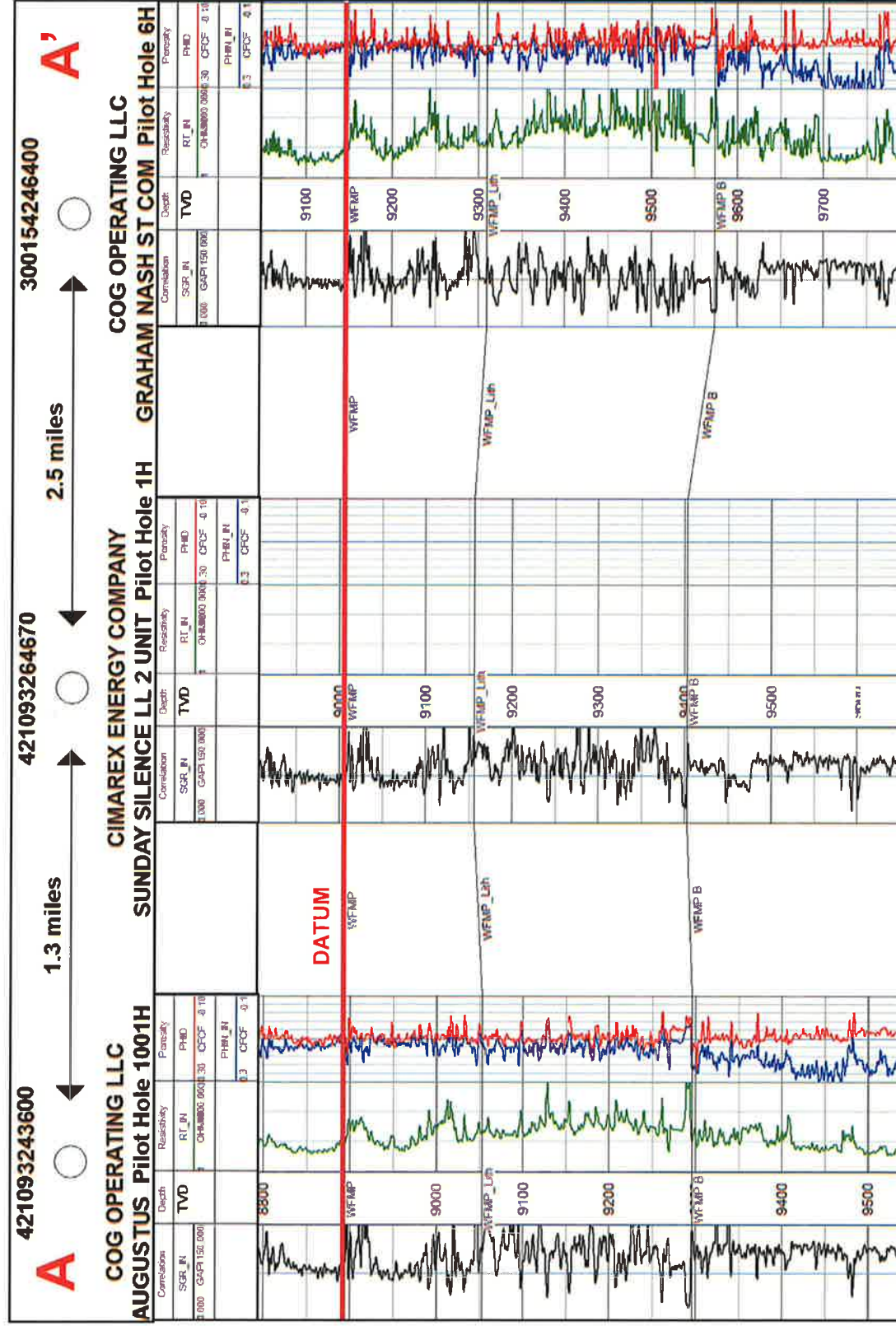


Wolfcamp Pool

Cross Section Location Map



Stratigraphic Cross Section A – A'



Top of Wolfcamp

Lateral Interval
706H, 709H and
710H



**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**


**APPLICATION OF COG OPERATING LLC
FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 20419

AFFIDAVIT

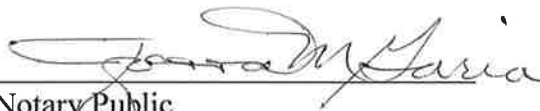
STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Kaitlyn A. Luck, attorney in fact and authorized representative of COG Operating, LLC,
the Applicant herein, being first duly sworn, upon oath, states that the above-referenced
Application has been provided under the notice letters and proof of receipts attached hereto.



Kaitlyn A. Luck

SUBSCRIBED AND SWORN to before me this 1st day of May 2019 by Kaitlyn A.
Luck.



Notary Public

My Commission

Expires: August 26, 2021

HOLLAND & HART LLP



Michael H. Feldewert
Recognized Specialist in the
Area of Natural Resources –
Oil and Gas Law – New Mexico Board
of Legal Specification
mfeldewert@hollandhart.com

April 12, 2019

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

**Re: Application of COG Operating LLC for compulsory pooling,
Eddy County, New Mexico.
Way South State Com 706H, 709H and 710H wells**

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application requests a hearing before a Division Examiner at 8:15 a.m. on May 2, 2019, and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/ocd/>. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from subsequently challenging this matter.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact Travis Macha at (432) 683-7443 or TMacha@concho.com.

Sincerely,



Michael H. Feldewert

ATTORNEY FOR COG OPERATING LLC



5.59

Shipment Confirmation Acceptance Notice

A. Mailer Action

Note to Mailer: The labels and volume associated to this form online, **must** match the labeled packages being presented to the USPS® employee with this form.

WaySouth 706 - 710

CM# 51500.0010 COG/OCD

Shipment Date: 04/09/2019

Shipped From:

Name: HOLLAND & HART LLP

Address: 110 N GUADALUPE ST # 1

City: SANTA FE

State: NM ZIP+4® 87501

Type of Mail	Volume
Priority Mail Express®	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	3
Total	3

*Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

Note to RSS Clerk:

1. Home screen > Mailing/Shipping > More
2. Select Shipment Confirm
3. Scan or enter the barcode/label number from PS Form 5630
4. Confirm the volume count message by selecting Yes or No
5. Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail.
Leave form with customer or in customer's mail receptacle.

USPS SCAN AT ACCEPTANCE



9275 0901 1935 6200 0013 7514 31





Firm Mailing Book For Accountable Mail

[illegible]

COG / Way South 706 - 710

Barcode	Recipient	Status
9.21489E+21	Chevron USA Inc PO BOX 200027 Houston TX 77216	Delivered Signature Received
9.21489E+21	EOG Resources Inc 5509 Champions Drive Midland TX 79706	Delivered Signature Received
9.21489E+21	Oxy USA Inc 5 Greenway Plaza Ste 110 Houston TX 77046	Delivered Signature Received