

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
611 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

HOBBS OCD

JUN 06 2016

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

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 43283	Pool Code 2200	Pool Name ANTELOPE RIDGE; BONE SPRING Kz
Property Code 316277	Property Name GATSBY FEDERAL COM	Well Number 1H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3455.9'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A / 1	6	24-S	35-E		190	NORTH	380	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	24-S	35-E		330	SOUTH	330	EAST	LEA
Dedicated Acres 320.04	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

As per LR2000 Lot 1 40.04 Ac	LOT 4	LOT 3	LOT 2	LOT 1
	39.89 Ac.	39.89 Ac.	40.03 Ac.	40.04 Ac.
	LOT 5			
	39.95 Ac.			
	LOT 6			
	39.99 Ac.			
	LOT 7			
	40.01 Ac.			
	LOT 1			
	40.05 Ac.			
	LOT 2			
	40.06 Ac.			
	LOT 3			
	40.07 Ac.			
	LOT 4			
	40.08 Ac.			

OPERATOR CERTIFICATION
I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
Melanie J Wilson 2/11/16
Signature Date
Printed Name
mwilson@concho.com
E-mail Address

SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
JANUARY 22, 2016
Date of Survey
Signature & Seal of Professional Surveyor
CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR
Certificate No. CHAD HARCROW 17777
W.O. #16-80 DRAWN BY: AF

NAD 27 SURFACE LOCATION
Y=457079.3 N
X=788875.8 E
LAT.=32.253172° N
LONG.=103.398901° W

NAD 27 PROPOSED BOTTOM HOLE LOCATION
Y=447036.3 N
X=789036.6 E
LAT.=32.225564° N
LONG.=103.398664° W

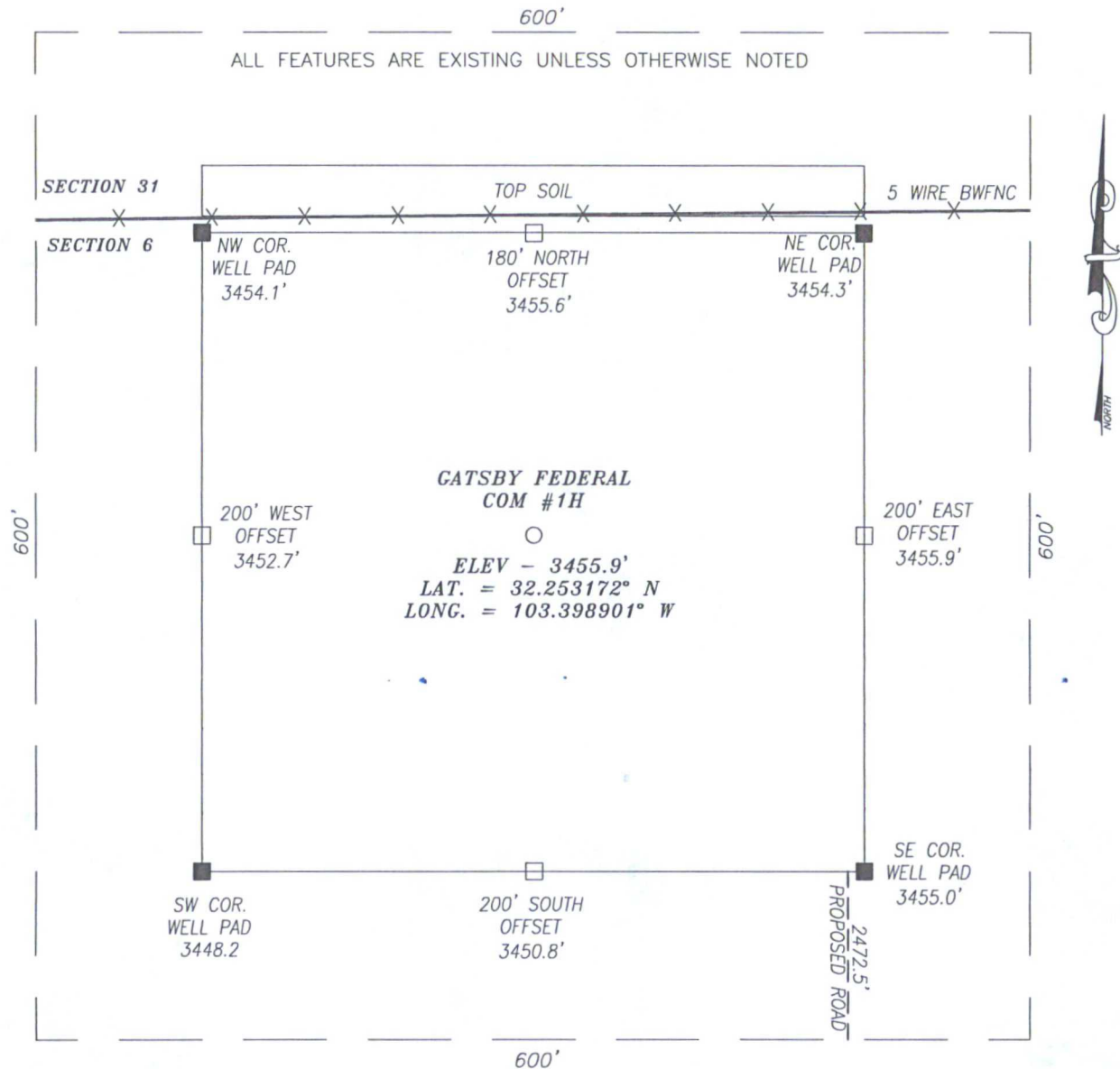
PROJECT AREA PRODUCING AREA

FEE

GRID AZ. 179°04'57" HORZ. DIST. 10044.3'

B.H. 330'

SECTION 6, TOWNSHIP 24 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HWY 128 & CR-21 GO NORTH FOR APPROX. 2.9 MILES THEN TURN RIGHT (EAST) TO SHELL RD. (CR-21B) GO APPROX. 2.1 MILES; THEN TURN RIGHT (SOUTH) TO ANTELOPE RIDGE RD. AND GO APPROX. .6 MILES; TURN LEFT (EAST) AND GO APPROX. 4.2 MILES TO PROPOSED ROAD.

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



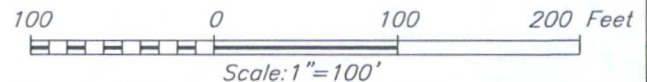
CERTIFICATION

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



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

3/9/16
DATE



COG OPERATING, LLC

GATSBY FEDERAL COM #1H
LOCATED 190 FEET FROM THE NORTH LINE
AND 380 FEET FROM THE EAST LINE OF SECTION 6,
TOWNSHIP 24 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 1/22/2016

PAGE: 1 OF 1

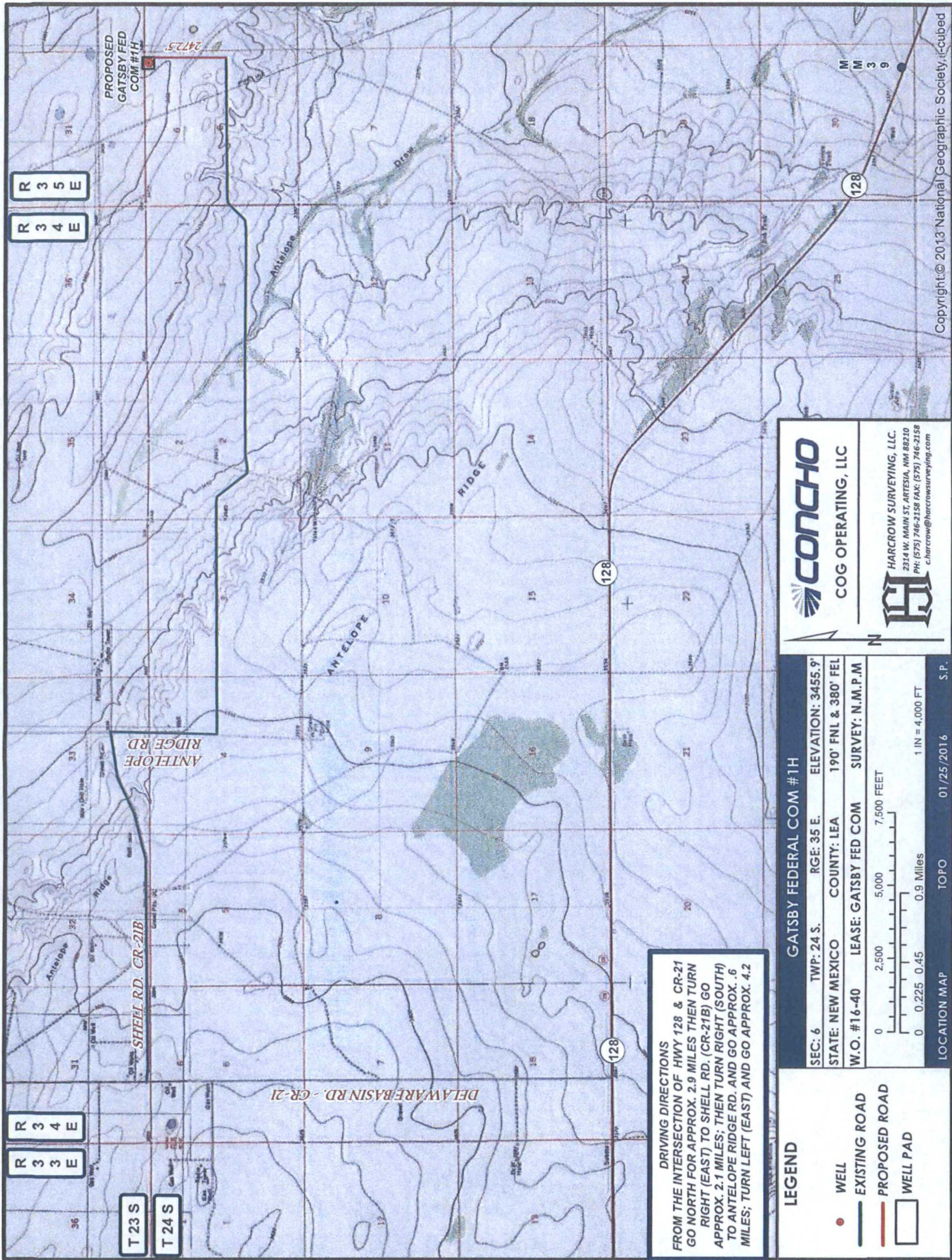
DRAFTING DATE: 1/25/2016

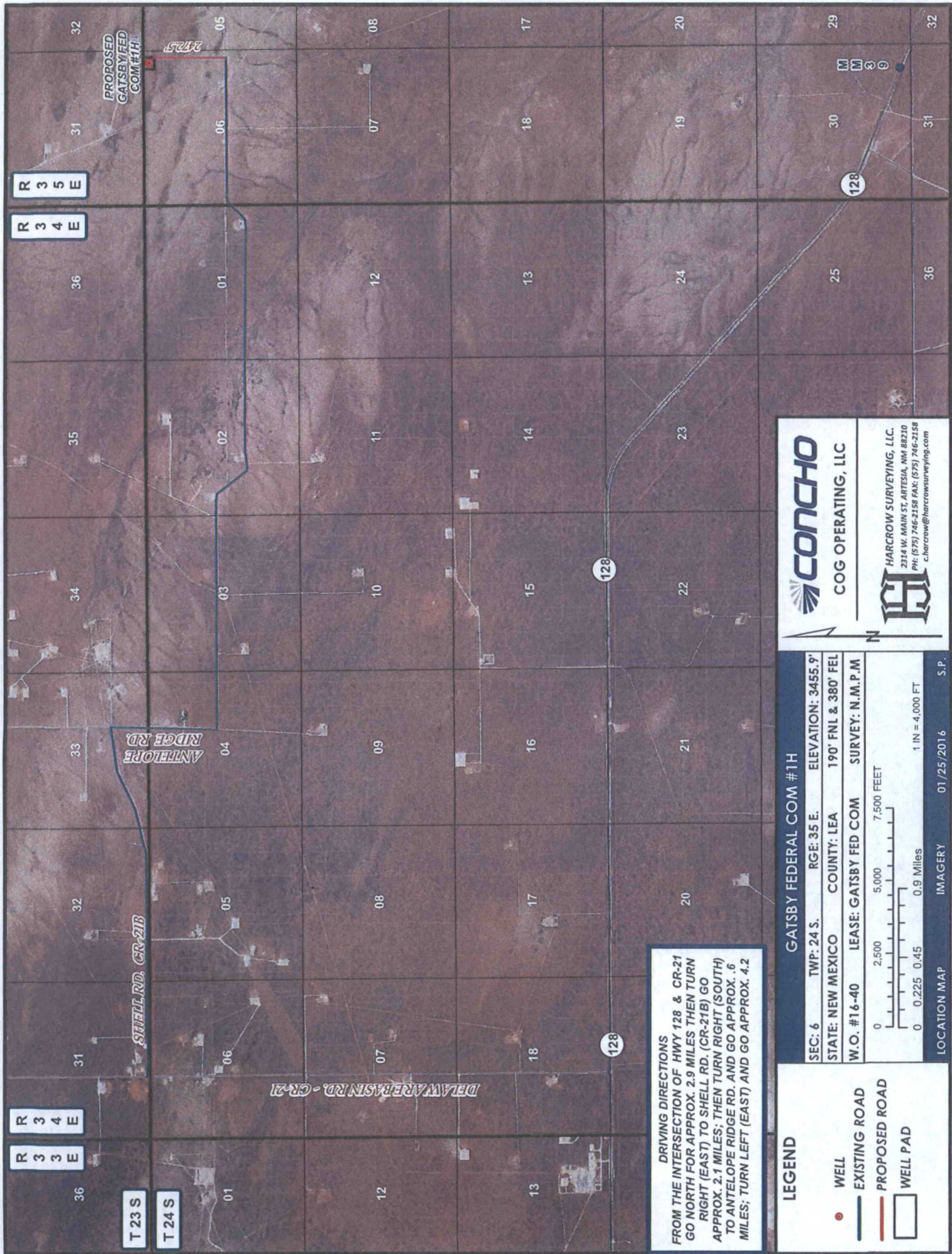
REV: 3/9/2016

APPROVED BY: CH

DRAWN BY: VD

FILE: 16-40





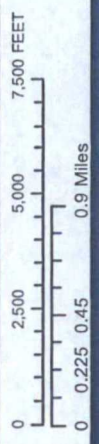
DRIVING DIRECTIONS
 FROM THE INTERSECTION OF HWY 128 & CR-21
 GO NORTH FOR APPROX. 2.9 MILES THEN TURN
 RIGHT (EAST) TO SHELL RD. (CR-21B) GO
 APPROX. 2.1 MILES; THEN TURN RIGHT (SOUTH)
 TO ANTHELOPE RIDGE RD. AND GO APPROX. .6
 MILES; TURN LEFT (EAST) AND GO APPROX. 4.2

LEGEND

- WELL
- EXISTING ROAD
- PROPOSED ROAD
- WELL PAD

GATSBY FEDERAL COM #1H

SEC: 6	TWP: 24 S.	RGE: 35 E.	ELEVATION: 3455.9'
STATE: NEW MEXICO	COUNTY: LEA	190' FNL & 380' FEL	
W.O. #16-40	LEASE: GATSBY FED COM	SURVEY: N.M.P.M	



LOCATION MAP IMAGERY 01/25/2016 S.P.

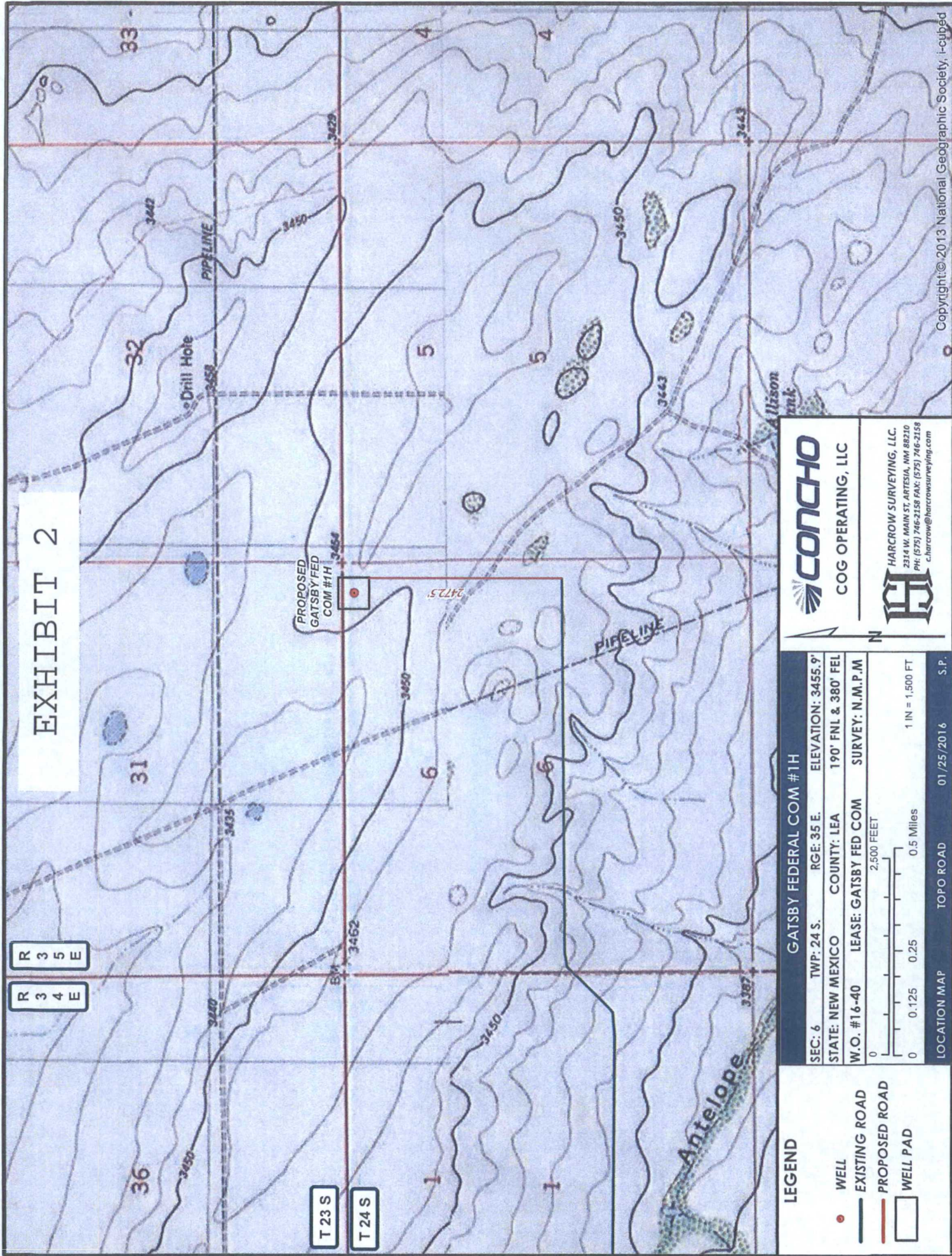


COG OPERATING, LLC



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 charcrow@harcrowsurveying.com

EXHIBIT 2



R 3 5 E

R 3 4 E

T 23 S

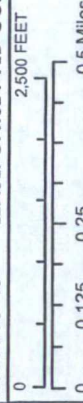
T 24 S

LEGEND

- WELL
- EXISTING ROAD
- PROPOSED ROAD
- WELL PAD

GATSBY FEDERAL COM #1H

SEC: 6 TWP: 24 S. RGE: 35 E. ELEVATION: 3455.9'
 STATE: NEW MEXICO COUNTY: LEA 190' FNL & 380' FEL
 W.O. #16-40 LEASE: GATSBY FED COM SURVEY: N.M.P.M



LOCATION MAP TOPO ROAD 01/25/2016 S.P.



COG OPERATING, LLC



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 c.harcrow@harcrowsurveying.com



PROPOSED
GATSBY FED
COM #1H

LEGEND

- WELL
- EXISTING ROAD
- PROPOSED ROAD
- WELL PAD

CONCHO
COG OPERATING, LLC

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GATSBY FEDERAL COM #1H

SEC: 6	TWP: 24 S.	RGE: 35 E.	ELEVATION: 3455.9'
STATE: NEW MEXICO		COUNTY: LEA	190' FNL & 380' FEL
W.O. #16-40	LEASE: GATSBY FED COM	SURVEY: N.M.P.M	

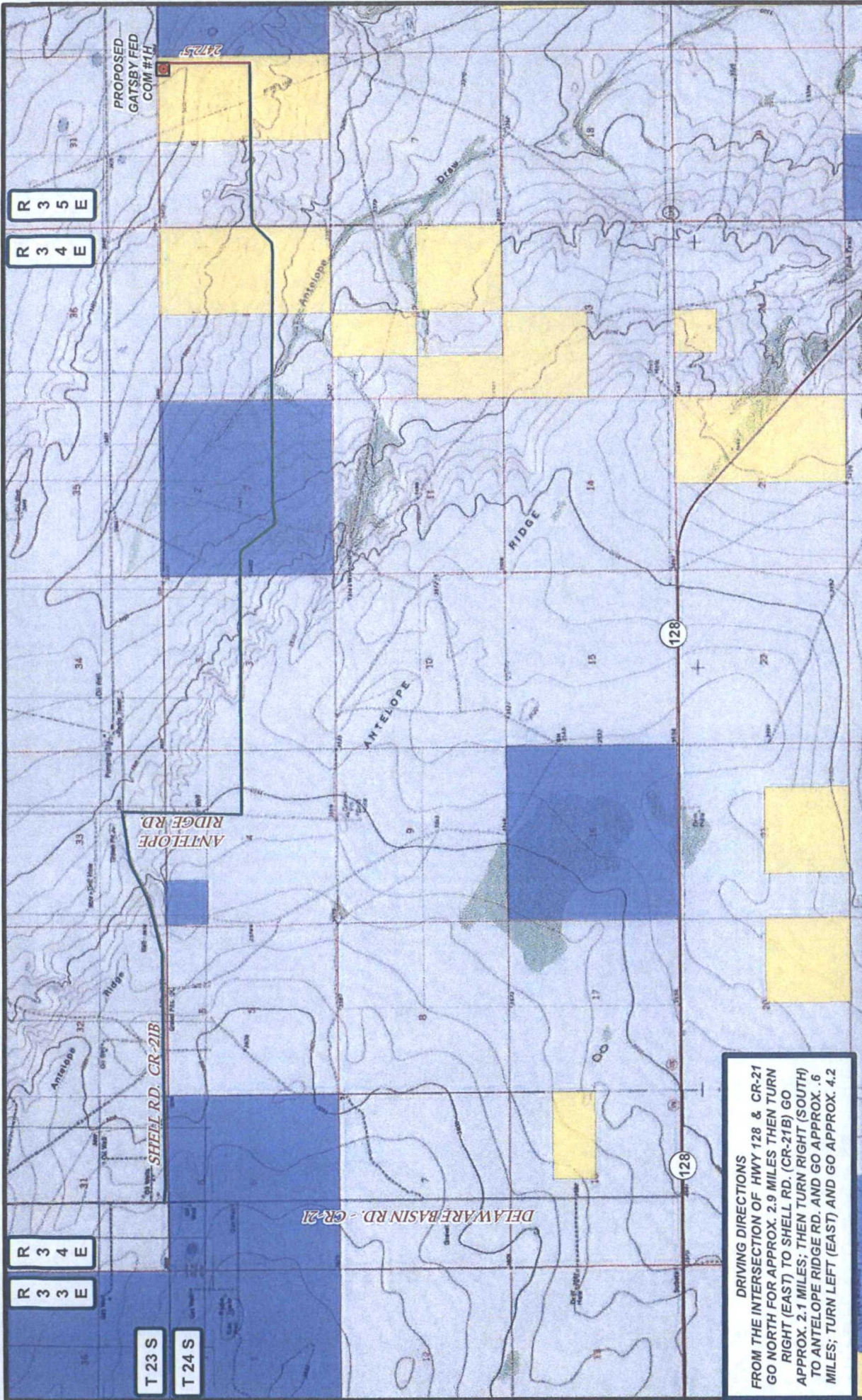
1 IN = 1,000 FT

0 0.125 0.25 0.5 Miles

LOCATION MAP

IMAGERY ROAD

01/25/2016 S.P.



DRIVING DIRECTIONS
 FROM THE INTERSECTION OF HWY 128 & CR-21
 GO NORTH FOR APPROX. 2.9 MILES THEN TURN
 RIGHT (EAST) TO SHELL RD. (CR-21B) GO
 APPROX. 2.1 MILES; THEN TURN RIGHT (SOUTH)
 TO ANTELOPE RIDGE RD. AND GO APPROX. .6
 MILES; TURN LEFT (EAST) AND GO APPROX. 4.2

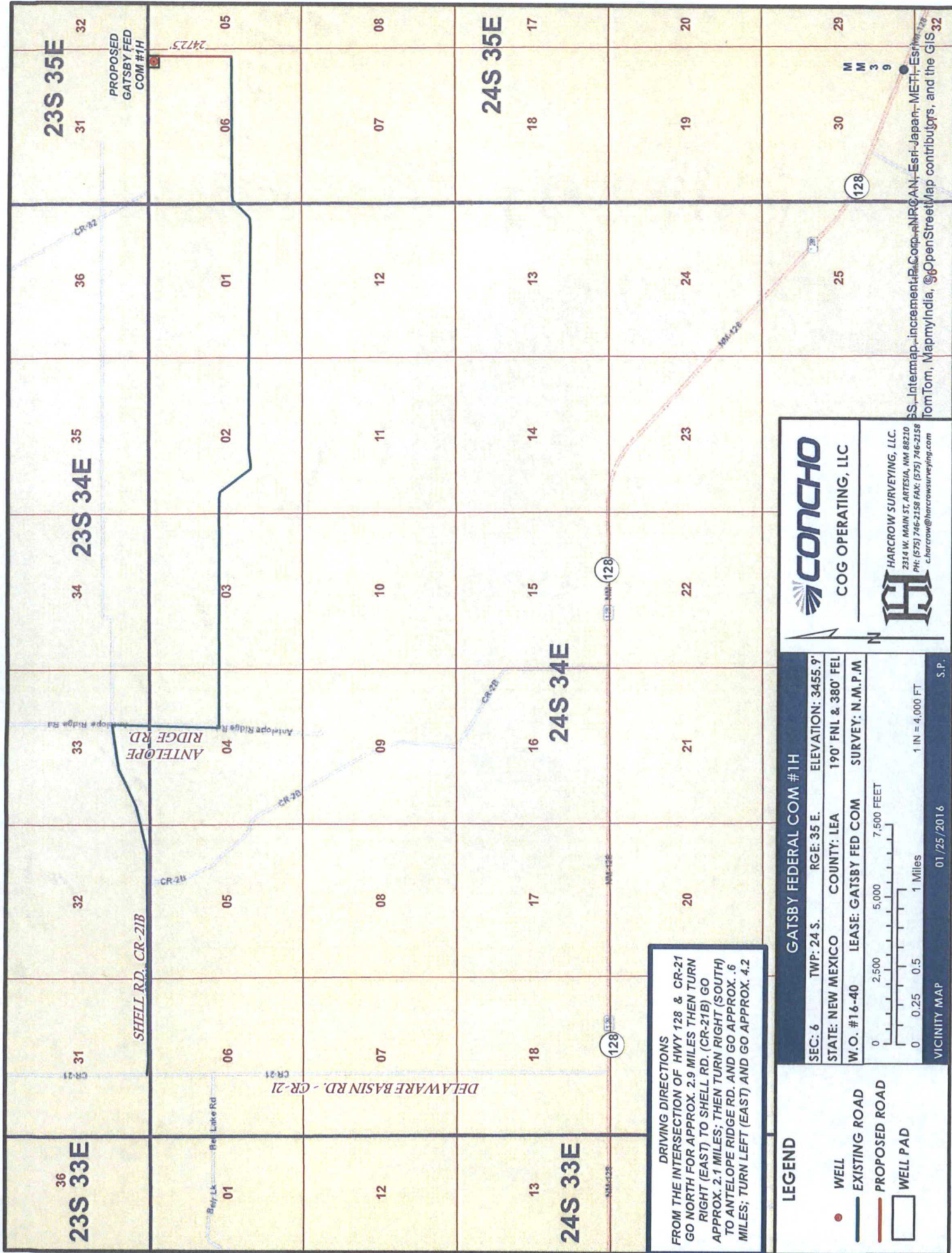
LEGEND

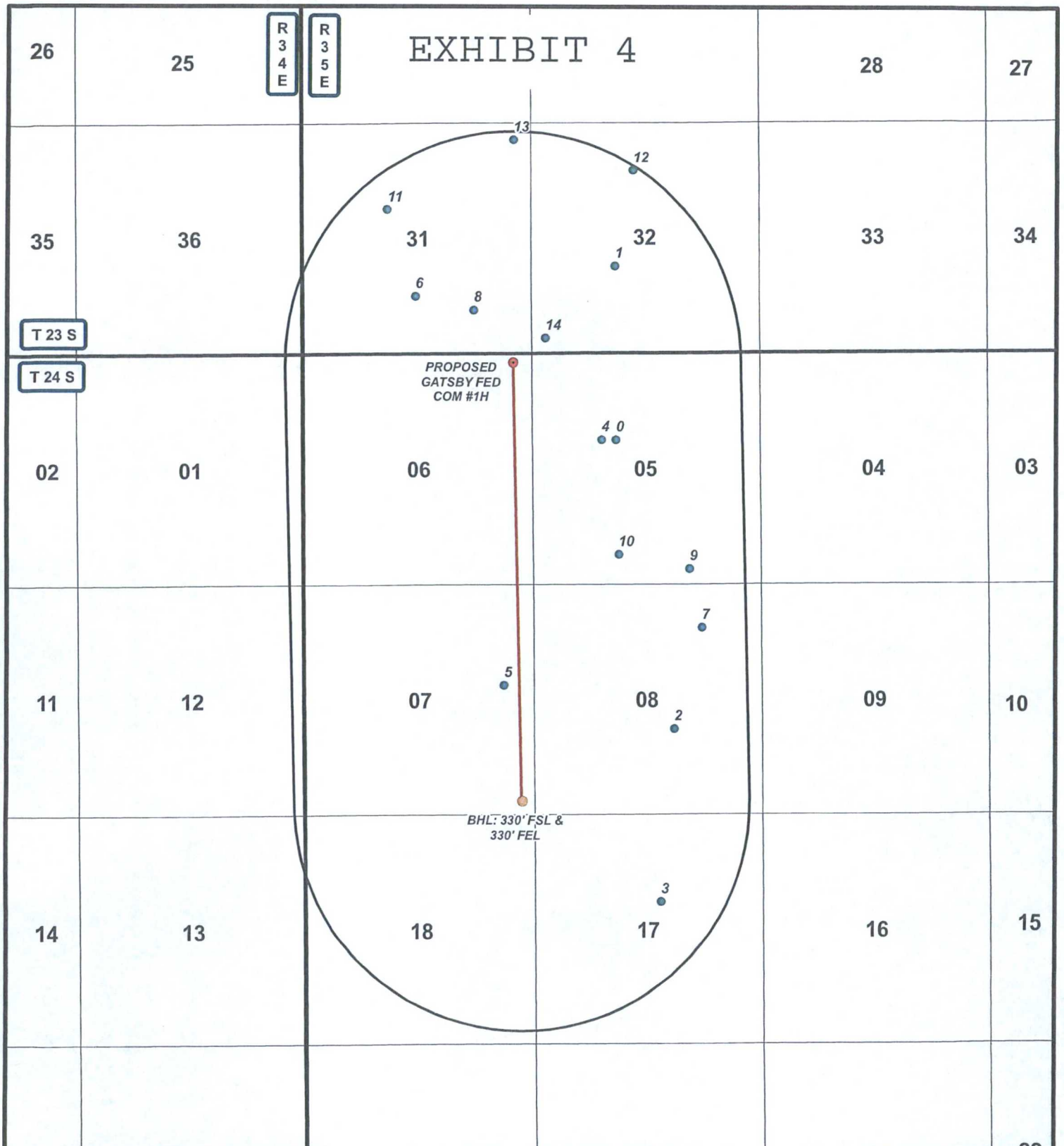
- WELL
- EXISTING ROAD
- PROPOSED ROAD
- WELL PAD
- PRIVATE
- STATE OF NM
- US BLM

GATSBY FEDERAL COM #1H			
SEC: 6	TWP: 24 S.	RGE: 35 E.	ELEVATION: 3455.9'
STATE: NEW MEXICO	COUNTY: LEA	190' FNL & 380' FEL	
W.O. #16-40	LEASE: GATSBY FED COM	SURVEY: N.M.P.M	
0 2,500 5,000 7,500 FEET		0 0.225 0.45 0.9 Miles	
		1 IN = 4,000 FT	
LOCATION MAP	LAND STATUS	01/25/2016	S.P.

CONCHO
 COG OPERATING, LLC

H
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 c.harcrow@harcrowsurveying.com





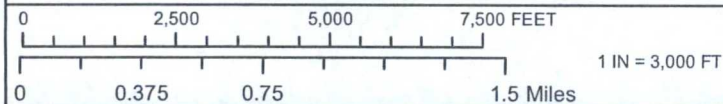
DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JANUARY 24, 2016. 22

LEGEND

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

GATSBY FEDERAL COM #1H

SEC: 6	TWP: 24 S.	RGE: 35 E.	ELEVATION: 3455.9'
STATE: NEW MEXICO		COUNTY: LEA	190' FNL & 380' FEL
W.O. #16-80	LEASE: GATSBY FED COM		SURVEY: N.M.P.M



1 MILE MAP

02/09/2016

S.P.



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GATSBY FEDERAL COM #1H															
FID	Shape *	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	TVD_DEPTH	COMPL_STAT
0	Point	GULF OIL CORP	WILSON FEDERAL COM 001	32.248409	-103.391689	3002524687		5 24.0S	35E	1980 N		1980 W		14248	Plugged
1	Point	GULF OIL CORP	LEA OT STATE 001	32.259295	-103.391708	3002524752		32 23.0S	35E	1980 S		1980 W		119	Plugged
2	Point	CHEVRON MIDCONTINENT, L.P.	FEDERAL CR 8 001	32.230228	-103.387417	3002527351		8 24.0S	35E	1980 S		1980 E		14552	Active
3	Point	ENRON OIL & GAS CO	CINTA ROJA 17 FEDERA 001	32.219344	-103.388475	3002530062		17 24.0S	35E	1980 N		2310 E		15350	Plugged
4	Point	OXY USA INC	ANTELOPE S FEDERAL 001	32.248411	-103.392761	3002532734		5 24.0S	35E	1980 N		1650 W		8800	Plugged
5	Point	OXY USA INC	ALLISON FEDERAL COM 001	32.232983	-103.400228	3002533129		7 24.0S	35E	2310 N		660 E		14367	Active
6	Point	DEVON ENERGY PRODUCTION COMPANY, LP	RED BULL 31 STATE 001	32.257451	-103.406719	3002536798		31 23.0S	35E	1300 S		2610 W		12580	Active
7	Point	CHEVRON MIDCONTINENT, L.P.	CR 8 FEDERAL 002	32.236588	-103.385313	3002537047		8 24.0S	35E	990 N		1330 E		14400	Active
8	Point	DEVON ENERGY PRODUCTION COMPANY, LP	RED BULL 31 STATE 002	32.256572	-103.402363	3002537069		31 23.0S	35E	983 S		1298 E		14400	Active
9	Point	OXY USA INC	ANTELOPE S FEDERAL 002	32.240283	-103.386211	3002537424		5 24.0S	35E	330 S		1650 E		0	
10	Point	OXY USA INC	ANTELOPE S FEDERAL 003	32.241205	-103.391516	3002537538		5 24.0S	35E	660 S		1980 W		14404	Active
11	Point	DEVON ENERGY PRODUCTION COMPANY, LP	RED BULL 31 STATE 003	32.26292	-103.40878	3002537620		31 23.0S	35E	1980 N		1980 W		10850	Active
12	Point	DEVON ENERGY PRODUCTION COMPANY, LP	RED BULL 32 STATE COM 001	32.265328	-103.390311	3002538026		32 23.0S	35E	1100 N		2400 W		14400	Plugged
13	Point	DEVON ENERGY PRODUCTION COMPANY, LP	RED BULL 31 STATE 004H	32.267324	-103.399311	3002540428		31 23.0S	35E	375 N		375 E		8634	New (Not drilled or compl)
14	Point	REGENERATION ENERGY, CORPORATION	SHEARN STATE COM 001H	32.254791	-103.396988	3002540670		32 23.0S	35E	330 S		380 W		8724	New (Not drilled or compl)

LLD ACREAGE REPORT

Admin State: NM

Geo State: NM

MTR: 23 0240S 0350E

Section: 006

<u>Sur Type</u>	<u>Sur No</u>	<u>Lld Suff</u>	<u>NE</u> <u>NW</u> <u>SW</u> <u>SE</u> <u>NNSS</u> <u>NNSS</u> <u>NNSS</u> <u>NNSS</u> <u>EWWE</u> <u>EWWE</u> <u>EWWE</u> <u>EWWE</u>	<u>Sur Note</u>	<u>Dup</u> <u>Flg</u>	<u>Sub</u> <u>Surf</u>	<u>Acres</u>
A			--XX ---X X--X XXXX				360.000
L	1		X--- ---- ---- ----				40.040
L	2		-X-- ---- ---- ----				40.020
L	3		---- X--- ---- ----				40.020
L	4		---- -X-- ---- ----				39.760
L	5		---- --X- ---- ----				39.870
L	6		---- ---- -X-- ----				39.990
L	7		---- ---- --X- ----				40.100

Section 006 Total: 639.800

MTR Total Excluding Survey Notes C/D/R
and Sub Surf = Y 639.800Grand Total Excluding Survey Notes C/D/R
and Sub Surf = Y: 639.800



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00365			XX	3	3	1	10	24S	35E	654253	3567431*	190		
CP 00573			LE	1	4	1	10	24S	35E	654657	3567638*	405	300	105
CP 00839			LE		4	3	30	24S	35E	650017	3561833*	175		
CP 00842			LE		2	4	24	24S	35E	658834	3563982*	130		
CP 00845			LE		1	3	10	24S	35E	654360	3567130*	190		
CP 01056 POD1			LE	4	4	3	02	24S	35E	656465	3568304	5396	4399	997
CP 01057 POD1			LE	4	2	3	02	24S	35E	656464	3568762	5390	4365	1025
CP 01513 POD1			LE	3	3	1	10	24S	35E	654184	3567350	186	178	8
P 04623 POD4			RO	2	2	4	14	24S	35E	653797	3787492	250		

Average Depth to Water: **2310 feet**

Minimum Depth: **178 feet**

Maximum Depth: **4399 feet**

Record Count: 9

PLSS Search:

Township: 24S

Range: 35E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

PLSS Search:

Section(s): 6

Township: 24S

Range: 35E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

PLSS Search:

Section(s): 7

Township: 24S

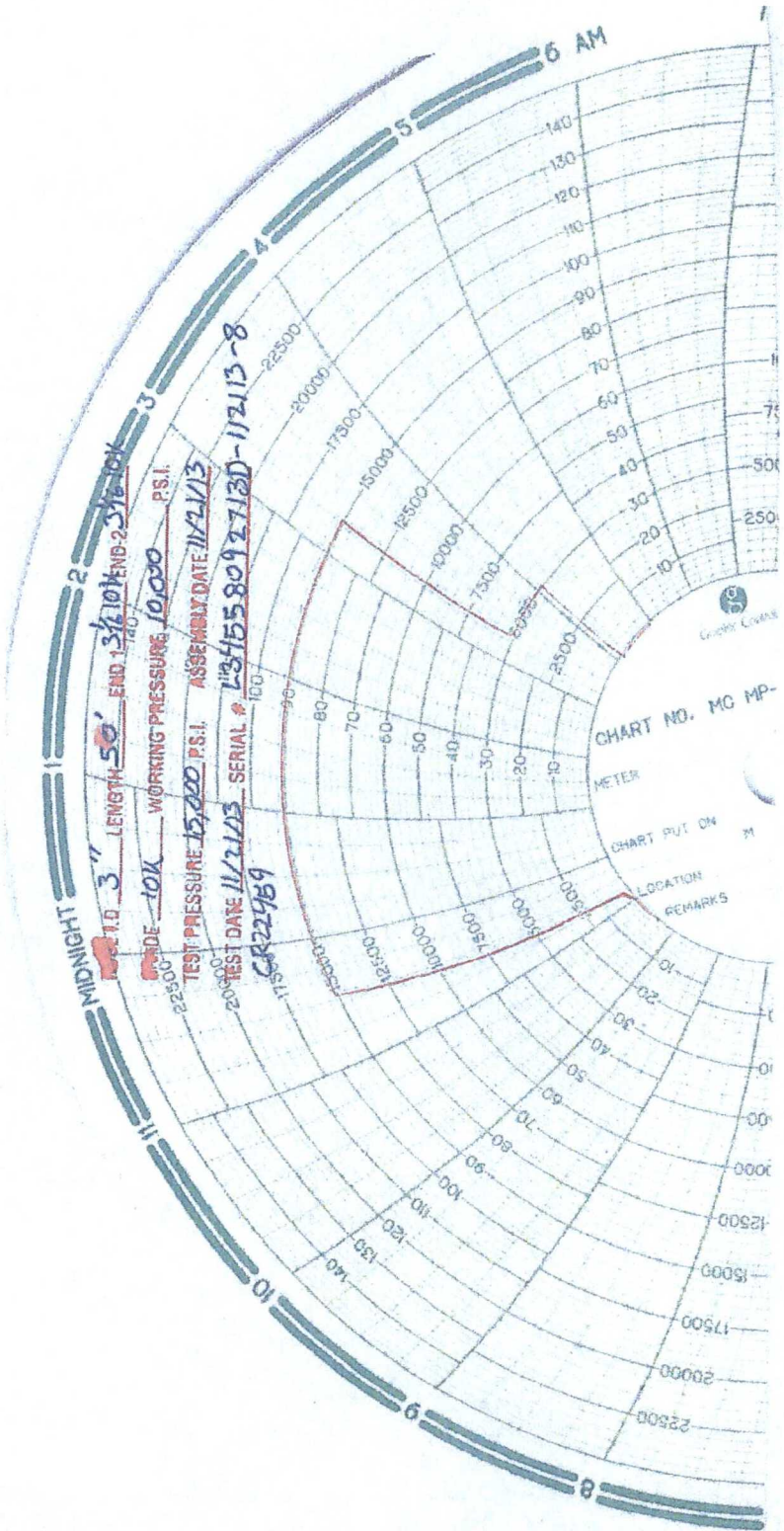
Range: 35E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/26/16 7:50 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER





GATES E & S NORTH AMERICA, INC
DU-TEX
134 44TH STREET
CORPUS CHRISTI, TEXAS 78405

PHONE: 361-887-9807
FAX: 361-887-0812
EMAIL: crpe&s@gates.com
WEB: www.gates.com

10K CHOKE & KILL ASSEMBLY PRESSURE TEST CERTIFICATE

Customer :	SPECIALTY SALES, INC.	Test Date:	11/21/2013
Customer Ref. :	49680-S	Hose Serial No.:	D-112113-8
Invoice No. :	197465	Created By:	Norma M.
Product Description:	10K3.050.0CK31/1610KFLGE/E		
End Fitting 1 :	3 1/16 10K FLG	End Fitting 2 :	3 1/16 10K FLG
Gates Part No. :	47773-4290	Assembly Code :	L34558092713D-112113-8
Working Pressure :	10,000 PSI	Test Pressure :	15,000 PSI

Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 15,000 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

Quality Manager :
Date :
Signature :

QUALITY
11/22/2013

Technical Supervisor :
Date :
Signature :

PRODUCTION
11/21/2013

