

MONTERA FEDERAL 23H

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



focused on excellence
in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
basinsurveys.com

0 1 MI 2 MI 3 MI 4 MI
 SCALE: 1" = 2 MILES

W.O. Number: JG 32470

Survey Date: 9-16-2016

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

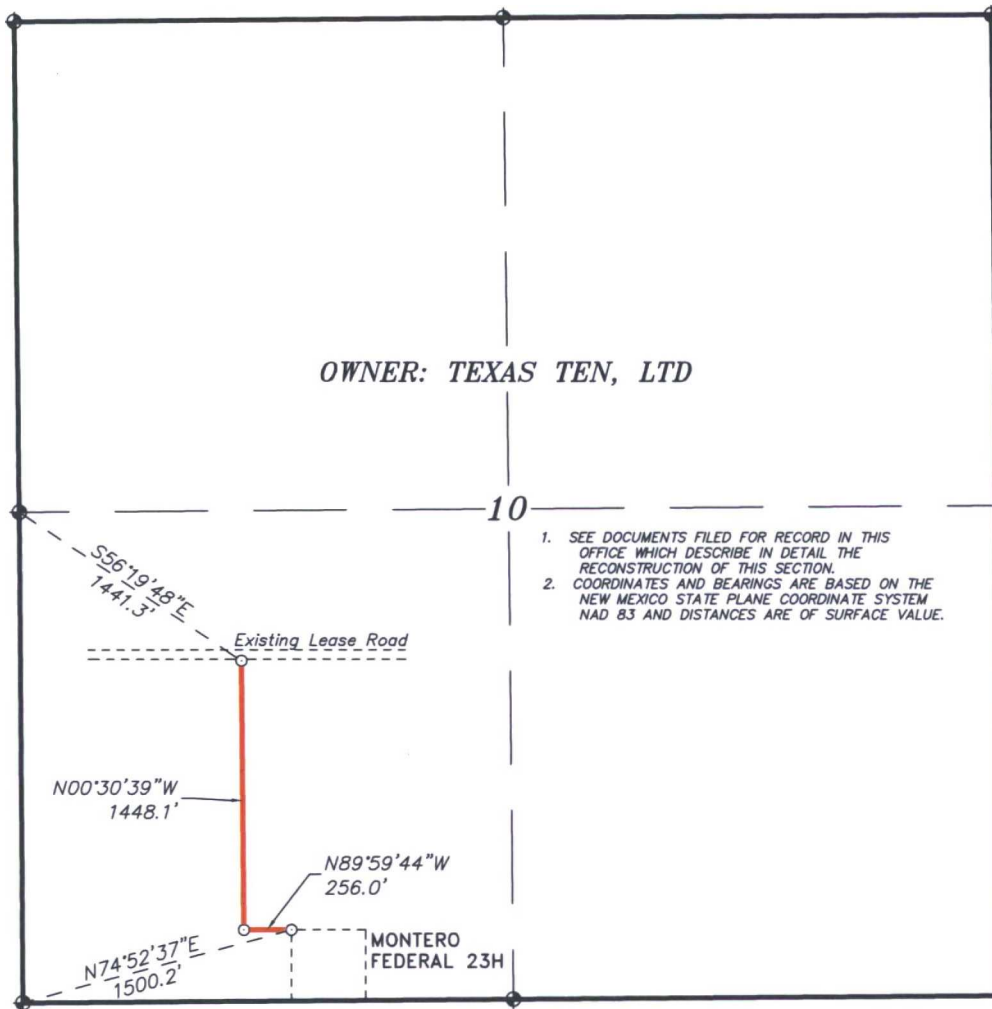


COG
OPERATING,
LLC

**SECTION 10, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.**



OWNER: TEXAS TEN, LTD



1. SEE DOCUMENTS FILED FOR RECORD IN THIS OFFICE WHICH DESCRIBE IN DETAIL THE RECONSTRUCTION OF THIS SECTION.
2. COORDINATES AND BEARINGS ARE BASED ON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM NAD 83 AND DISTANCES ARE OF SURFACE VALUE.

LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 10, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT WHICH LIES N.74°52'37"E., 1500.2 FEET FROM THE SOUTH QUARTER CORNER OF SAID SECTION 10; THENCE N.89°59'44"W., 256.0 FEET; THENCE N.00°30'39"W., 1448.1 FEET TO THE END OF THIS LINE WHICH LIES S.56°19'48"E., 1441.3 FEET FROM THE EAST QUARTER CORNER OF SAID SECTION 10. SAID STRIP OF LAND BEING 1704.1 FEET OR 103.28 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS THE REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



GARY L. JONES, P.S. No. 7977
TEXAS TEN, LTD. No. 5074

basin
surveys
focused on excellence
in the oilfield

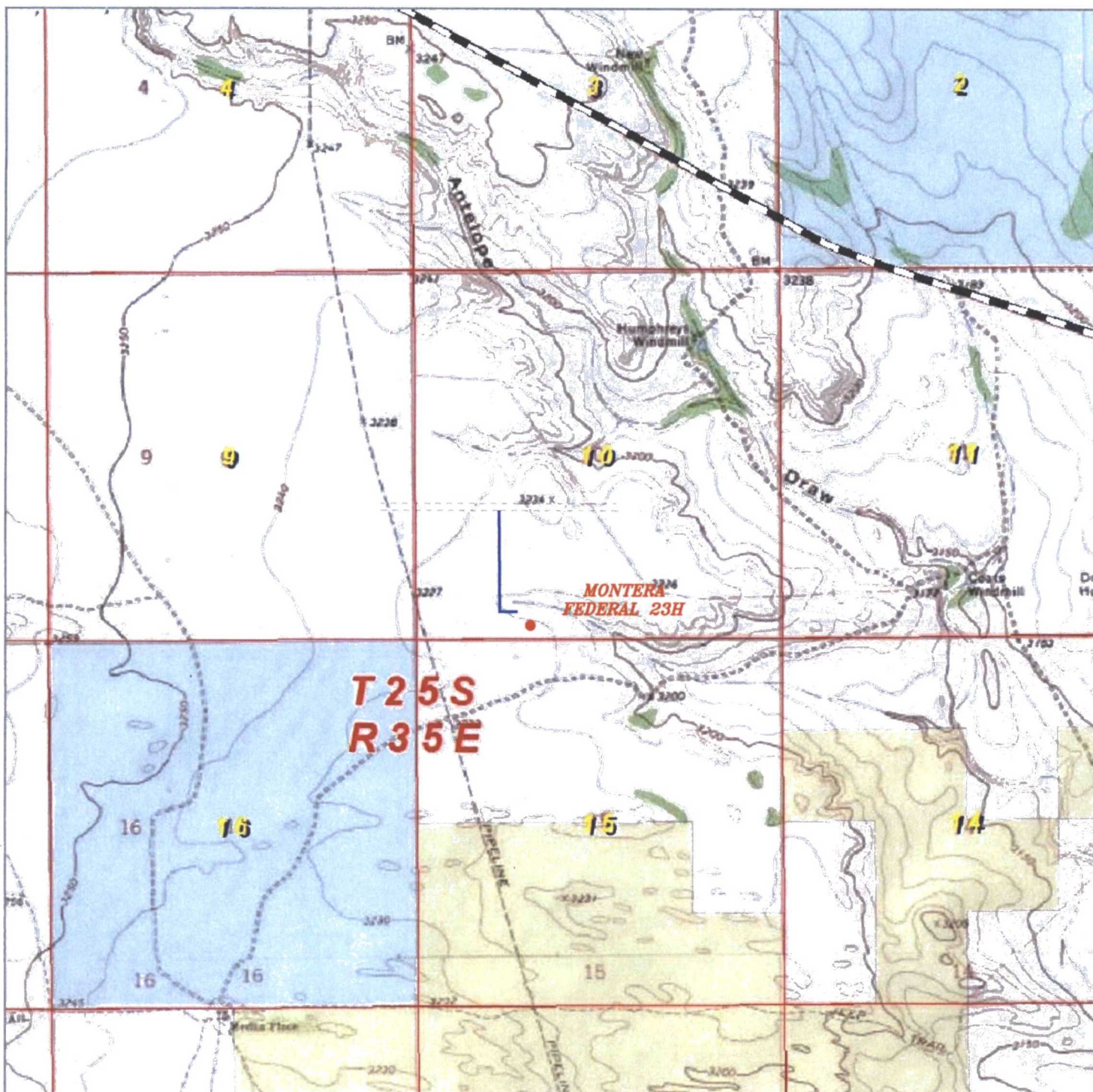
P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basinsurveys.com

1000 0 1000 2000 FEET
[Scale bar showing increments of 1000 feet]

COG OPERATING LLC

REF: PROPOSED LEASE ROAD TO THE MONTERO FEDERAL 23H

A LEASE ROAD CROSSING FEE LAND IN
SECTION 10, TOWNSHIP 25 SOUTH, RANGE 35 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.



LEASE ROAD TO THE MONTERA FEDERAL 23H

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

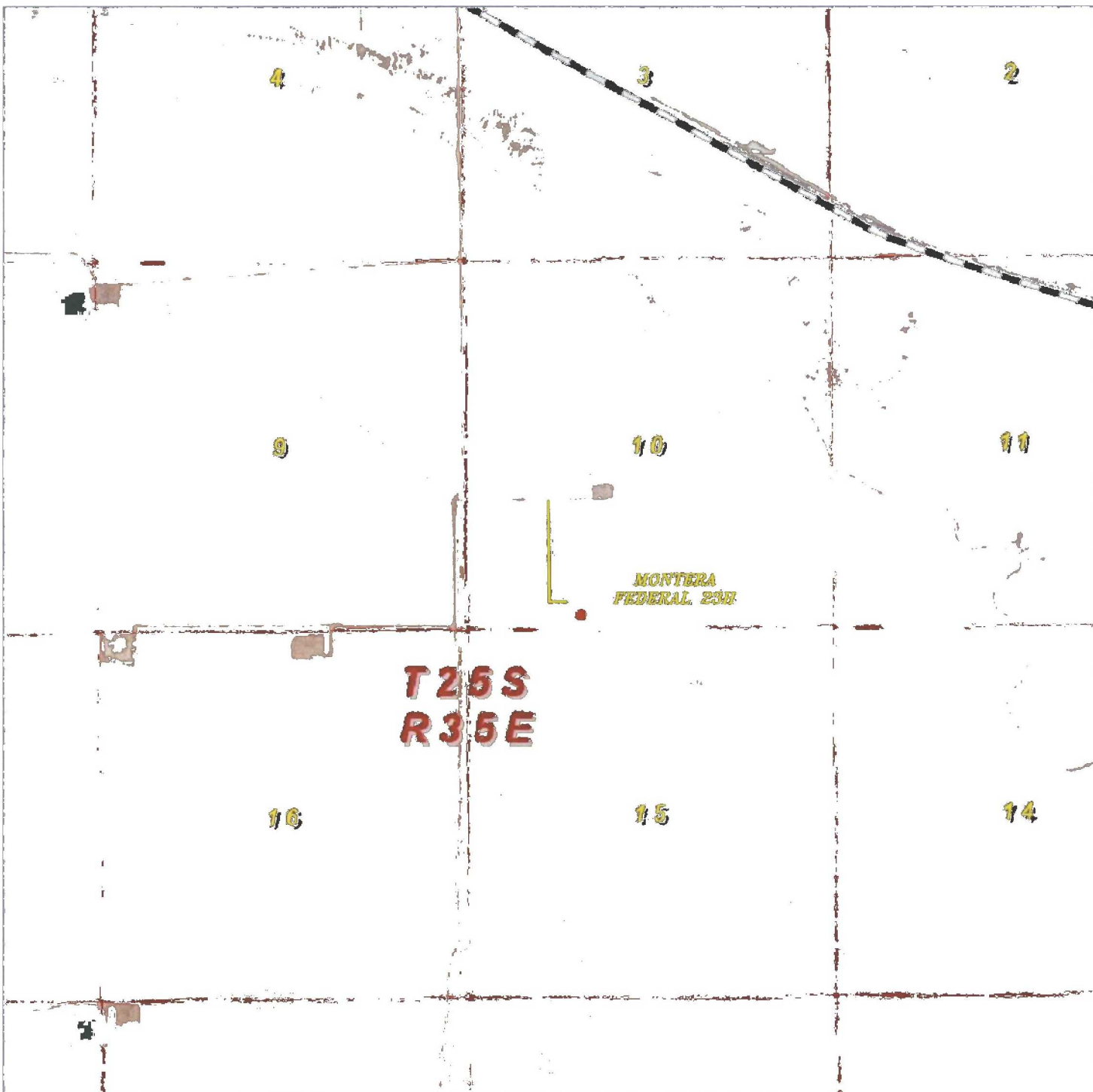
W.O. Number: JG 32537

Survey Date: 9-16-2016

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND



COG
 OPERATING,
 LLC



LEASE ROAD TO THE MONTERA FEDERAL

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

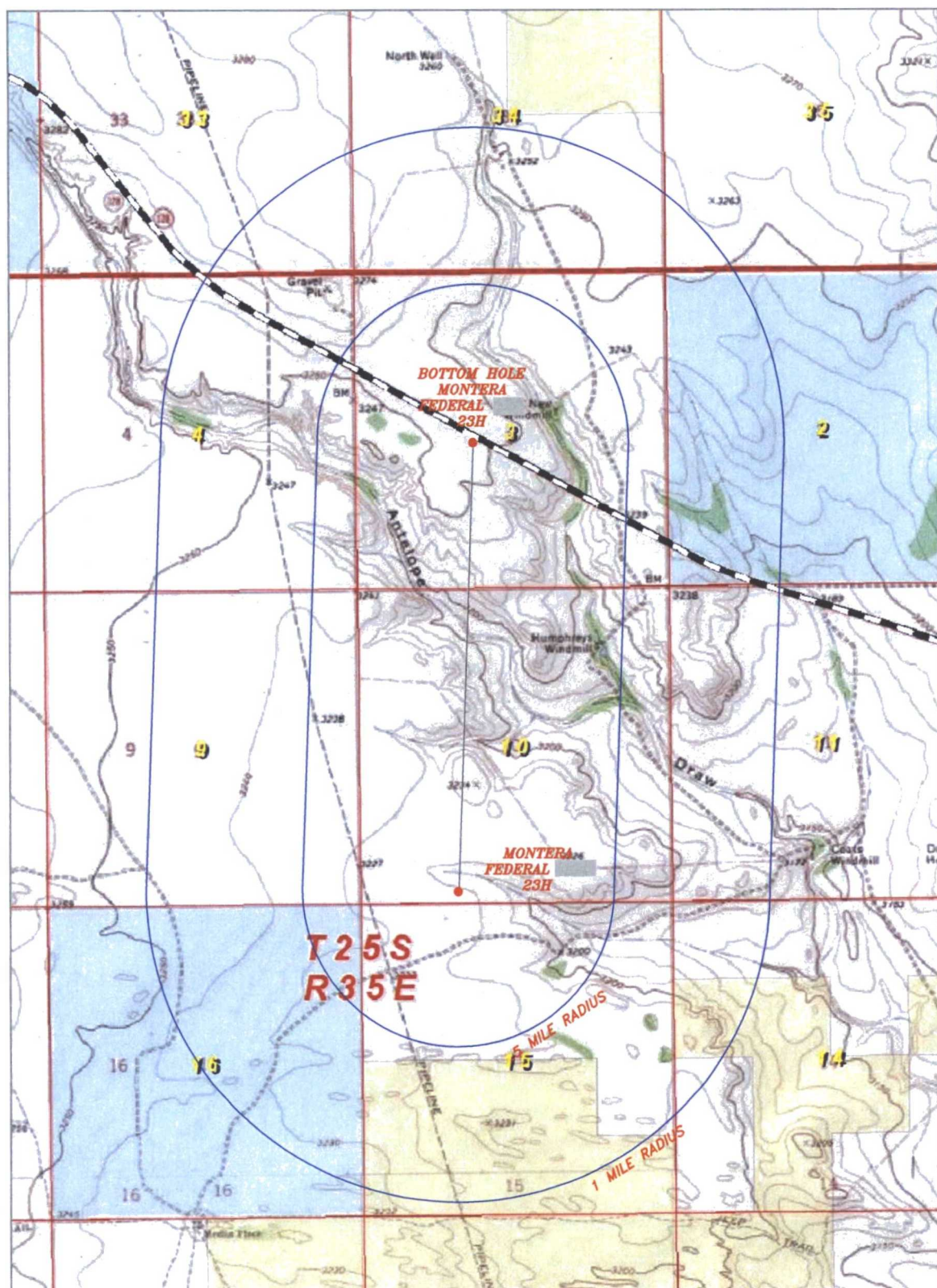
W.O. Number: JG 32537

Survey Date: 9-16-2016

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND



**COG
 OPERATING,
 LLC**



MONTERIA FEDERAL 23H AND BOTTOM HOLE LOCATION

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.

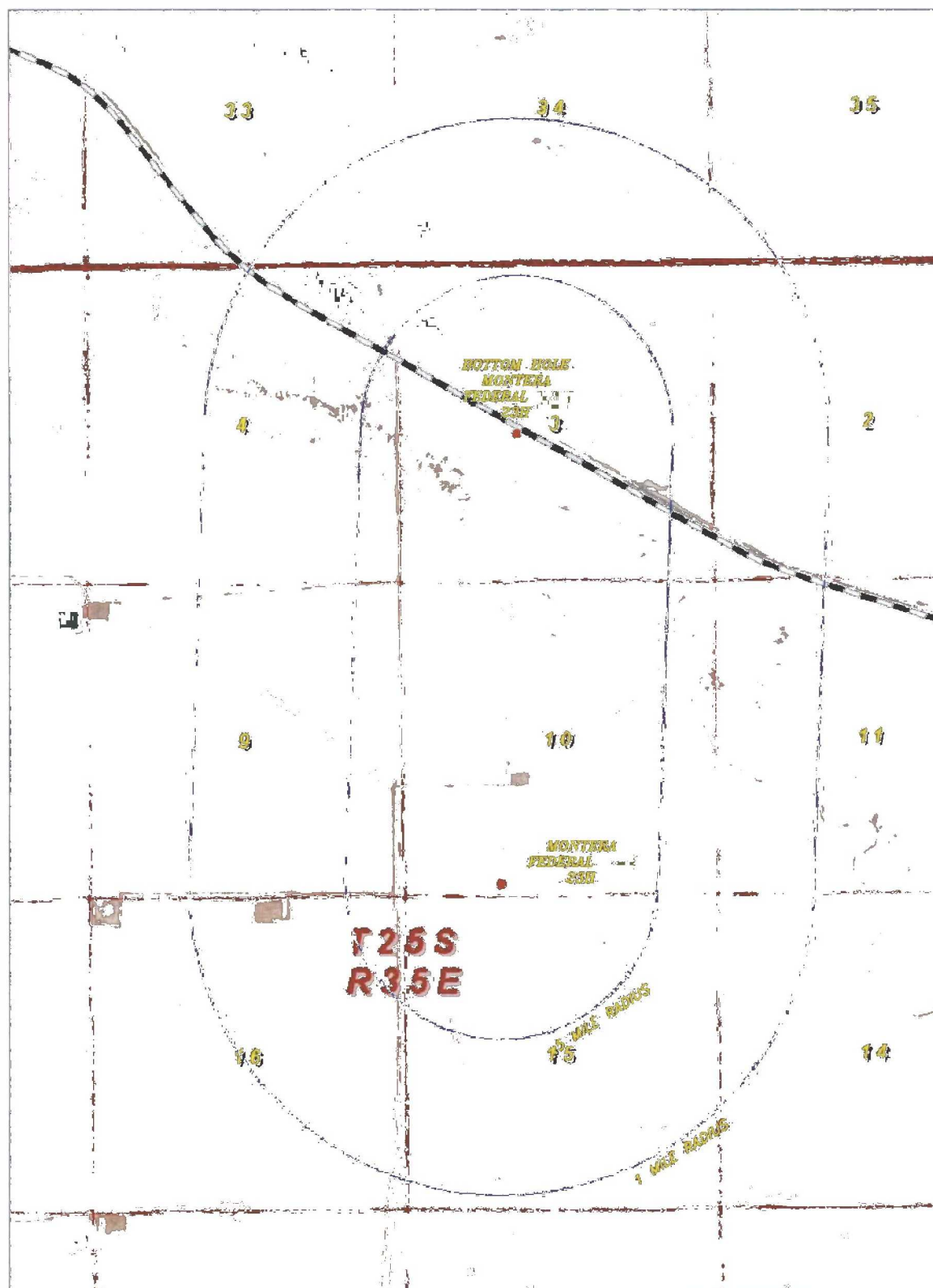


P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

0'	1000'	2000'	3000'	4000'
SCALE: 1" = 2000'				
W.O. Number: JG 32470				
Survey Date: 9-16-2016				
YELLOW TINT - USA LAND				
BLUE TINT - STATE LAND				
NATURAL COLOR - FEE LAND				



**COG
 OPERATING,
 LLC**



MONTERA FEDERAL 23H AND BOTTOM HOLE LOCATION

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

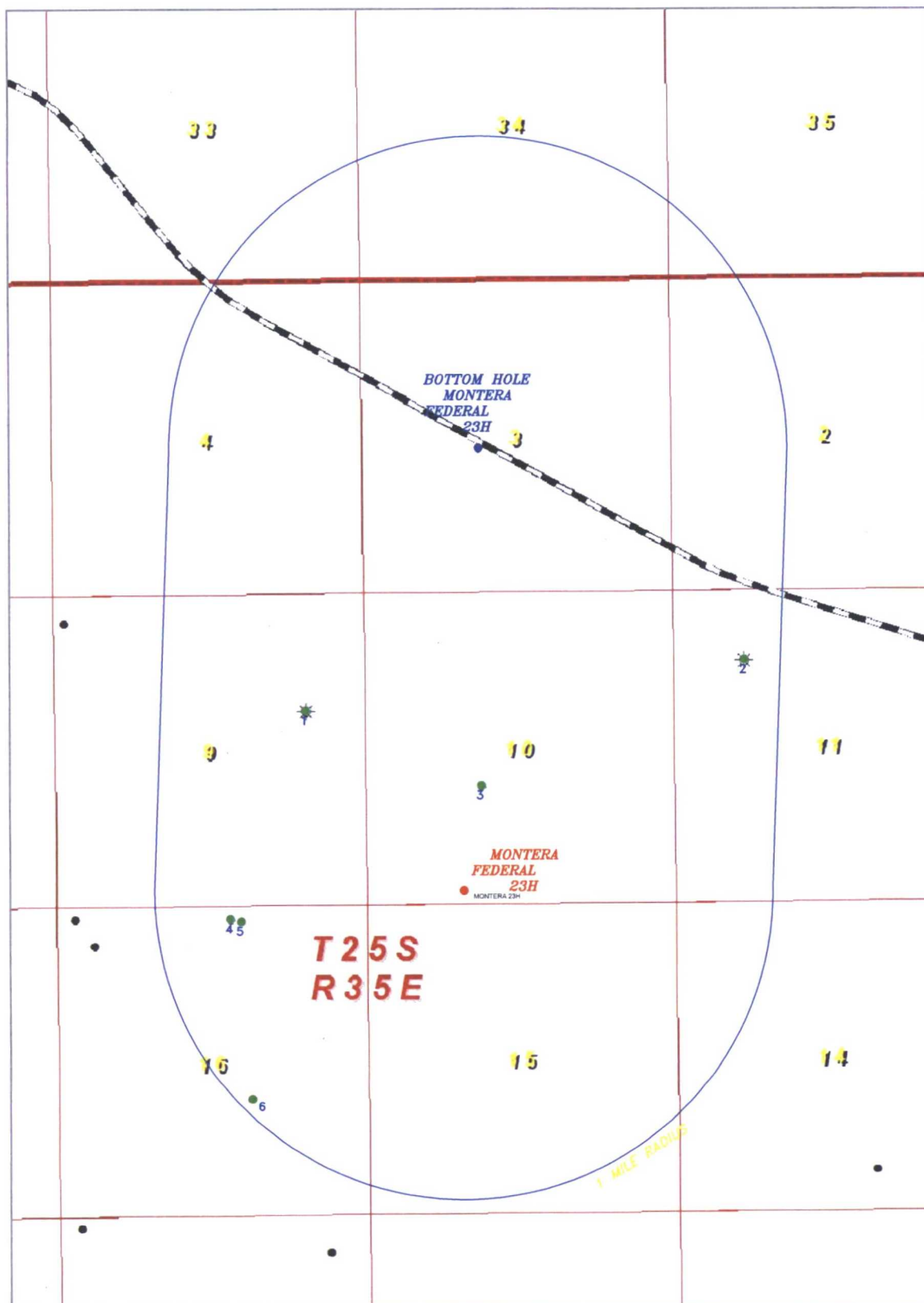
W.O. Number: JG 32470

Survey Date: 9-16-2016

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND



**COG
 OPERATING,
 LLC**



MONTERIA FEDERAL 23H AND BOTTOM HOLE LOCATION

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

● - SURFACE LOCATION
● - BOTTOMHOLE
● - WELLS WITHIN 1 MILE RADIUS
0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'
W.G. Number: JG 32470
Survey Date: 9-16-2016



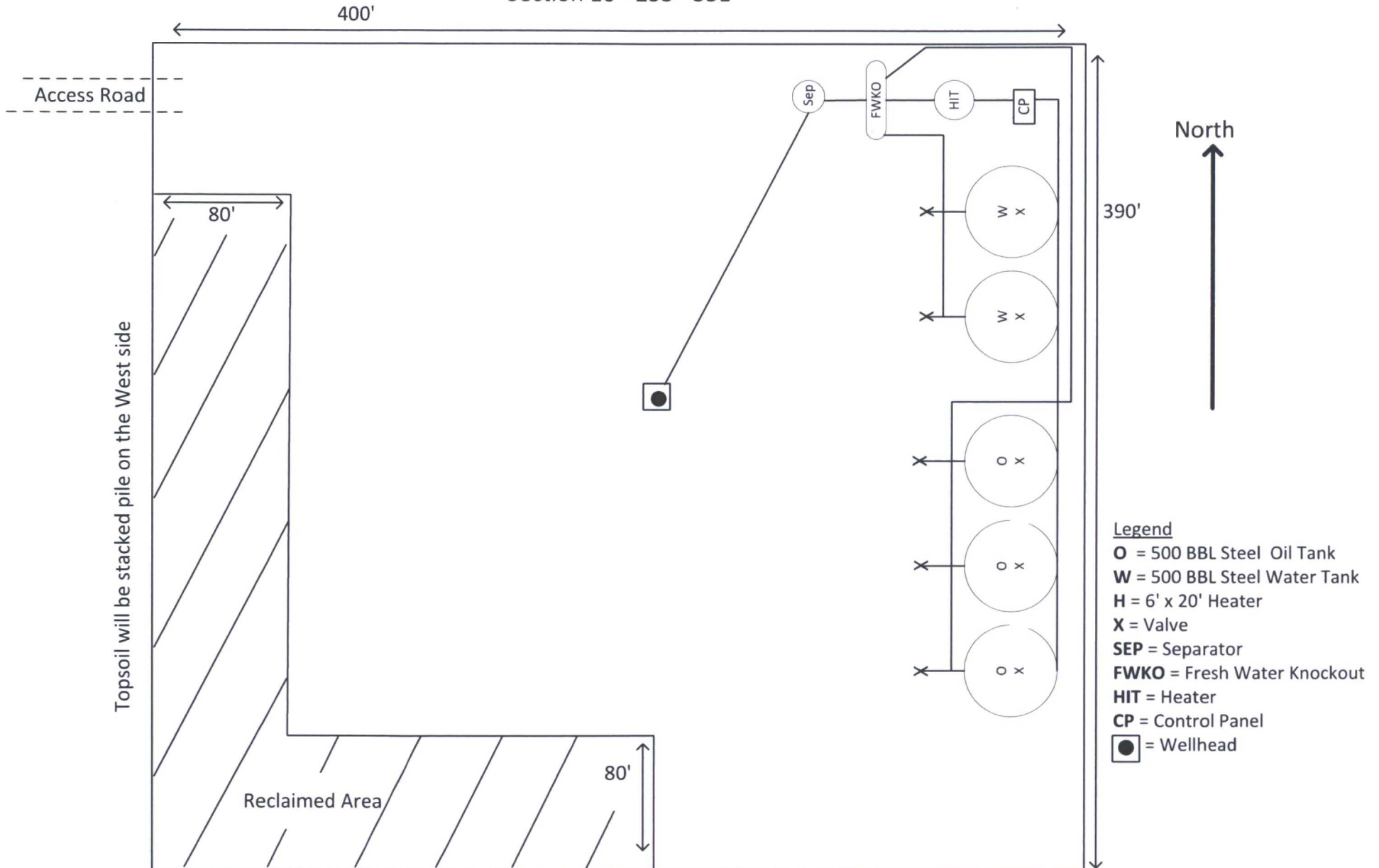
COG
 OPERATING,
 LLC

MONTERA FEDERAL COM #23H

FID	Shape *	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	TVD_DEPTH	COMPL_STAT
1	Point	OXY USA WTP LIMITED PARTENERSHIP	OXY BANANA GIRL #003	32.146657	-103.367114	3002535408	9	25.05	35E	1980	N	990	E		0 Cancelled Apd
2	Point	PACIFIC ENTERPRISES OIL CO	RENO COM #001	32.148777	-103.342949	3002526867	11	25.05	35E	1200	N	1200	W		19170 Plugged, Site Released
3	Point	COG OPERATING LLC	OXY BANANA GIRL FEDERAL #002	32.143036	-103.357506	3002535322	10	25.05	35E	1980	S	1980	W		16075 Active
4	Point	EOG RESOURCES INC	WHEATFIELD 16 STATE #701H	32.136974	-103.371375	3002542520	16	25.05	35E	230	N	2300	E		12438 Active
5	Point	EOG RESOURCES INC	WHEATFIELD 16 STATE #702H	32.136879	-103.370802	3002542787	16	25.05	35E	230	N	2270	E		0 New
6	Point	ROBERT E. LANDRETH	RAINBOW 16 STATE COM #001	32.128548	-103.370308	3002539719	16	25.05	35E	1980	S	1980	E		999 Plugged, Site Released

Well Site Layout
Production Facility Layout
 Montera Federal #23H
 Section 10 - 25S - 35E

Exhibit 3



LEA COUNTY,

NEW MEXICO.



200 0 200 400 FEET

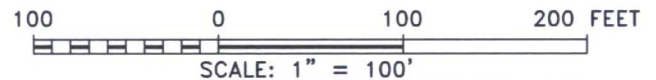
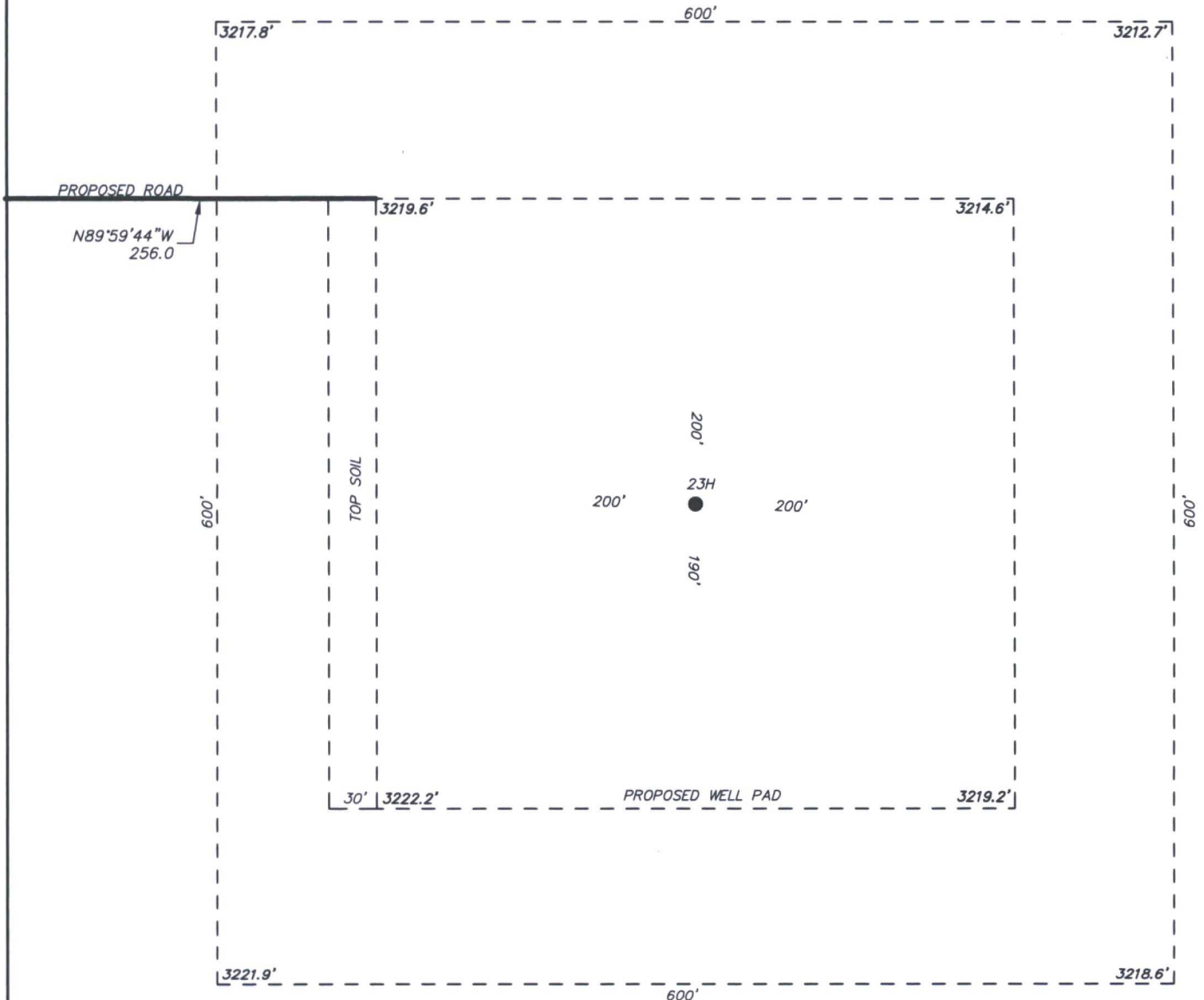
SCALE: 1" = 200'

N.M.P.M., LEA COUNTY, NEW MEXICO.



Sheet 1 of 1 Sheets

Section 10, Township 25 South, Range 35 East, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



COG OPERATING, LLC

REF: MONTERA FEDERAL 23H / WELL PAD TOPO

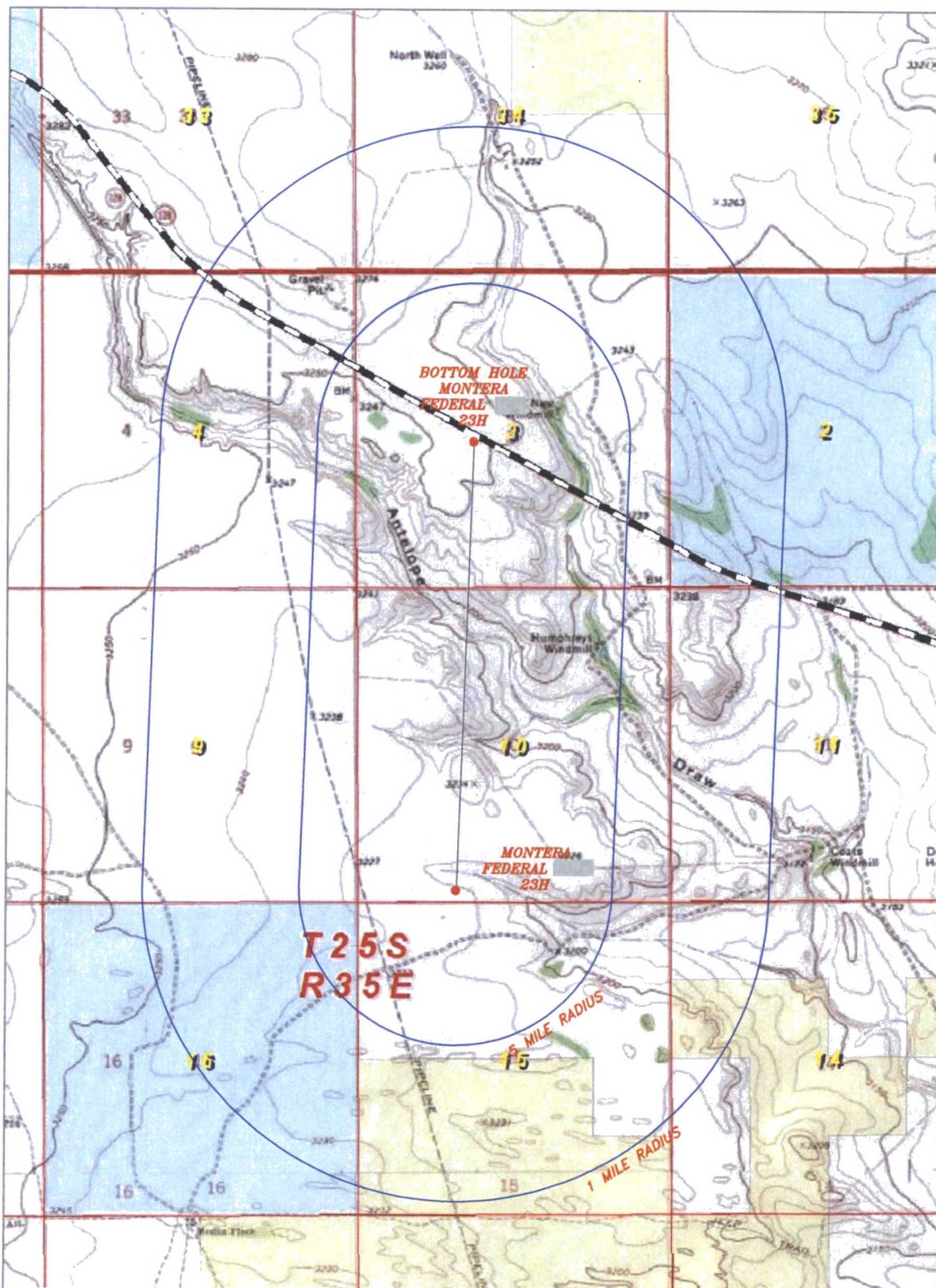
THE MONTERA FEDERAL 23H LOCATED 190' FROM
THE SOUTH LINE AND 1650' FROM THE WEST LINE OF
SECTION 10, TOWNSHIP 25 SOUTH, RANGE 35 EAST.

N.M.P.M., LEA COUNTY, NEW MEXICO.

basin
surveys
focused on excellence
in the oilfield

P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basin-surveys.com

W.O. Number: 32537 Drawn By: J GOAD Date: 10-20-2016 Survey Date: 10-17-2016 Sheet 1 of 1 Sheets



MONTERA FEDERAL 23H AND BOTTOM HOLE LOCATION

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



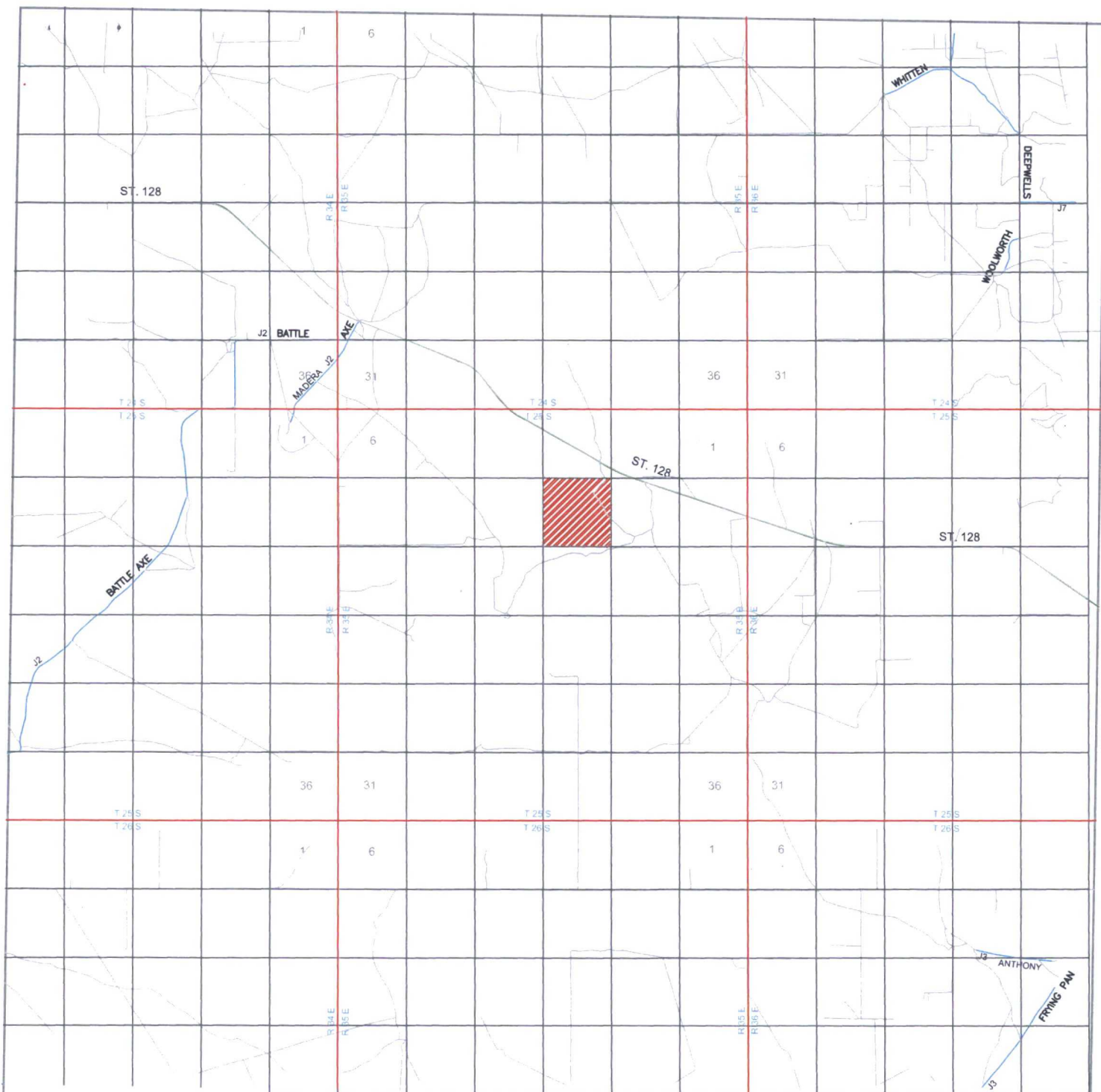
P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

W.O. Number: JG 32470
 Survey Date: 9-16-2016

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

**COG
 OPERATING,
 LLC**



MONTERA FEDERAL 23H

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
basinsurveys.com

0 1 MI 2 MI 3 MI 4 MI
 SCALE: 1" = 2 MILES

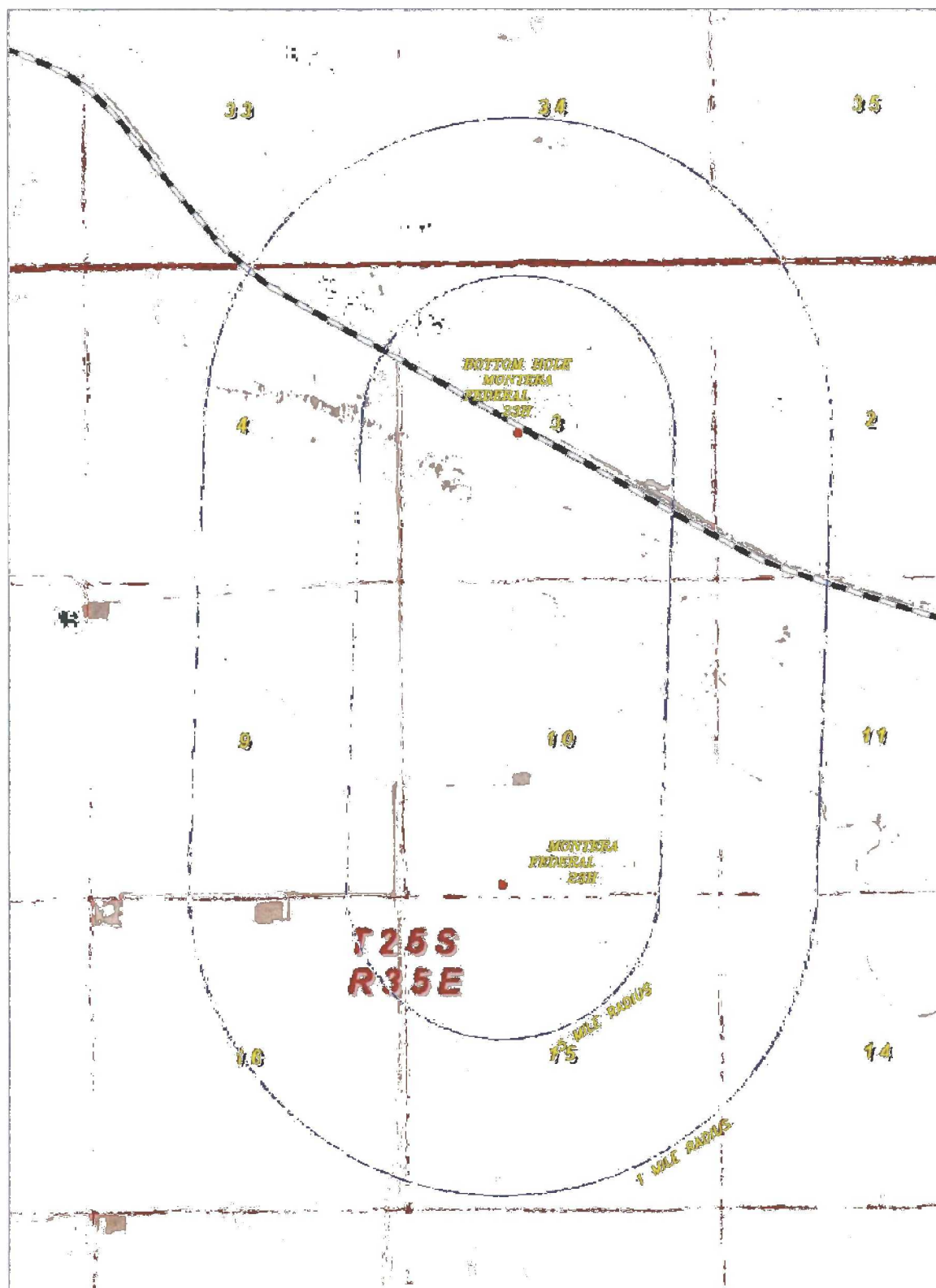
W.O. Number: JG 32470

Survey Date: 9-16-2016

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND



COG
 OPERATING,
 LLC



MONTERA FEDERAL 23H AND BOTTOM HOLE LOCATION

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.

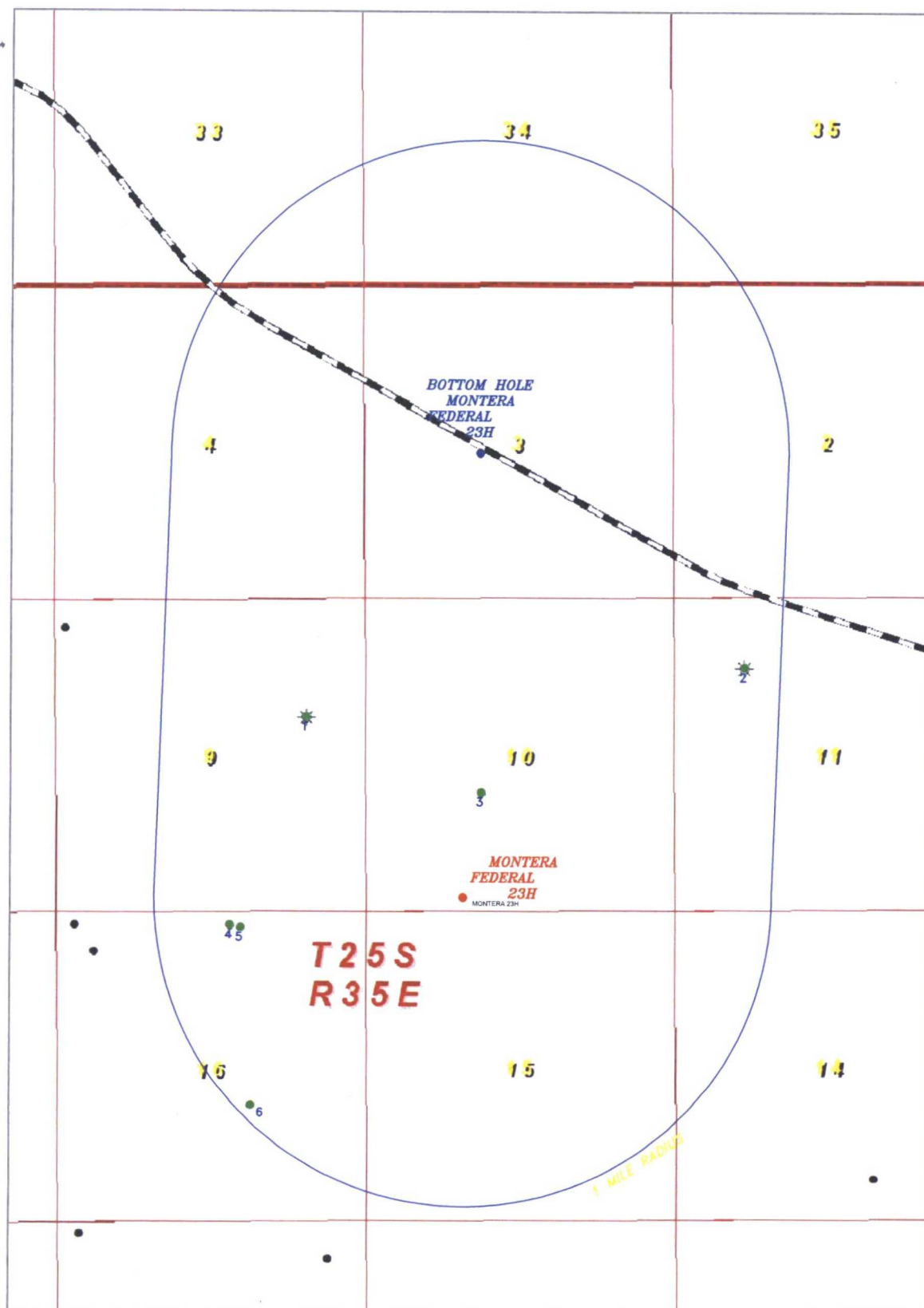


P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

0'	1000'	2000'	3000'	4000'
SCALE: 1" = 2000'				
W.O. Number: JG 32470				
Survey Date: 9-16-2016				
YELLOW TINT - USA LAND				
BLUE TINT - STATE LAND				
NATURAL COLOR - FEE LAND				



**COG
 OPERATING,
 LLC**



MONTERA FEDERAL 23H AND BOTTOM HOLE LOCATION

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

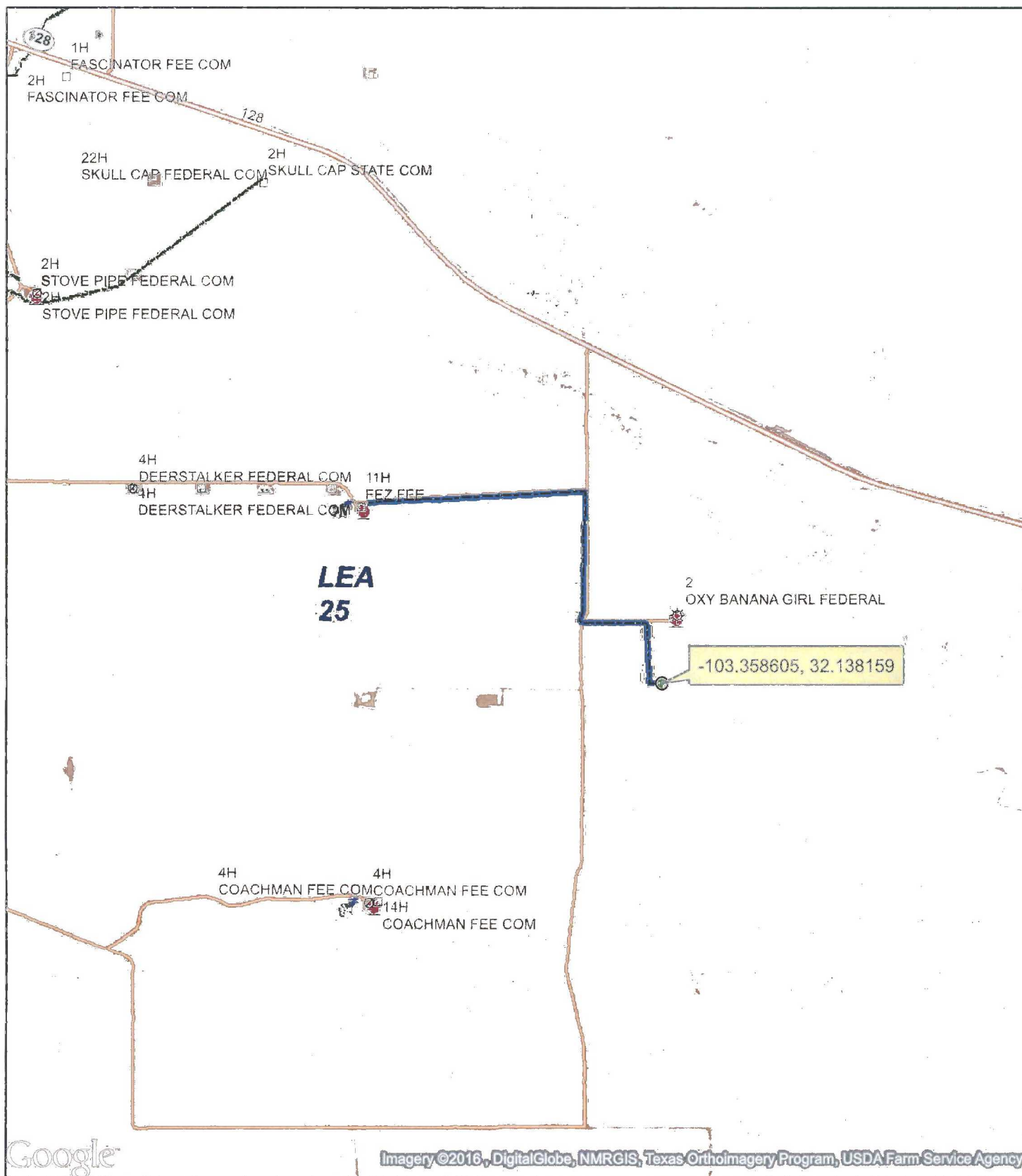
● - SURFACE LOCATION
 ● - BOTTOMHOLE
 ● - WELLS WITHIN 1 MILE RADIUS

0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

W.O. Number: JG 32470

Survey Date: 9-16-2016

COG
OPERATING,
LLC



CONCHO

Monteria Fed #23H to Fez Pond

Date: 10/31/2016
Author: Wayne McDonald
State: New Mexico
County: Lea

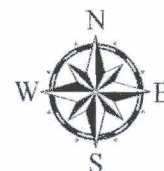
GCS WGS 1984
Datum: WGS 1984
Units: Degree

Disclaimer: This is not a legal survey document

- Legend**
- Monteria Fed #23H freshwater pipeline
 - Geodatabase SDE_DATA_OWNER.ETG_INF_Roads_WGS84
 - Eri_Roads_Clip**
 - Road Classification**
 - Freeway or Other Major Road
 - Major Road Less Important than a Freeway
 - Other Major Road
 - Secondary Road
 - Local Connecting Road
 - Important Local Road

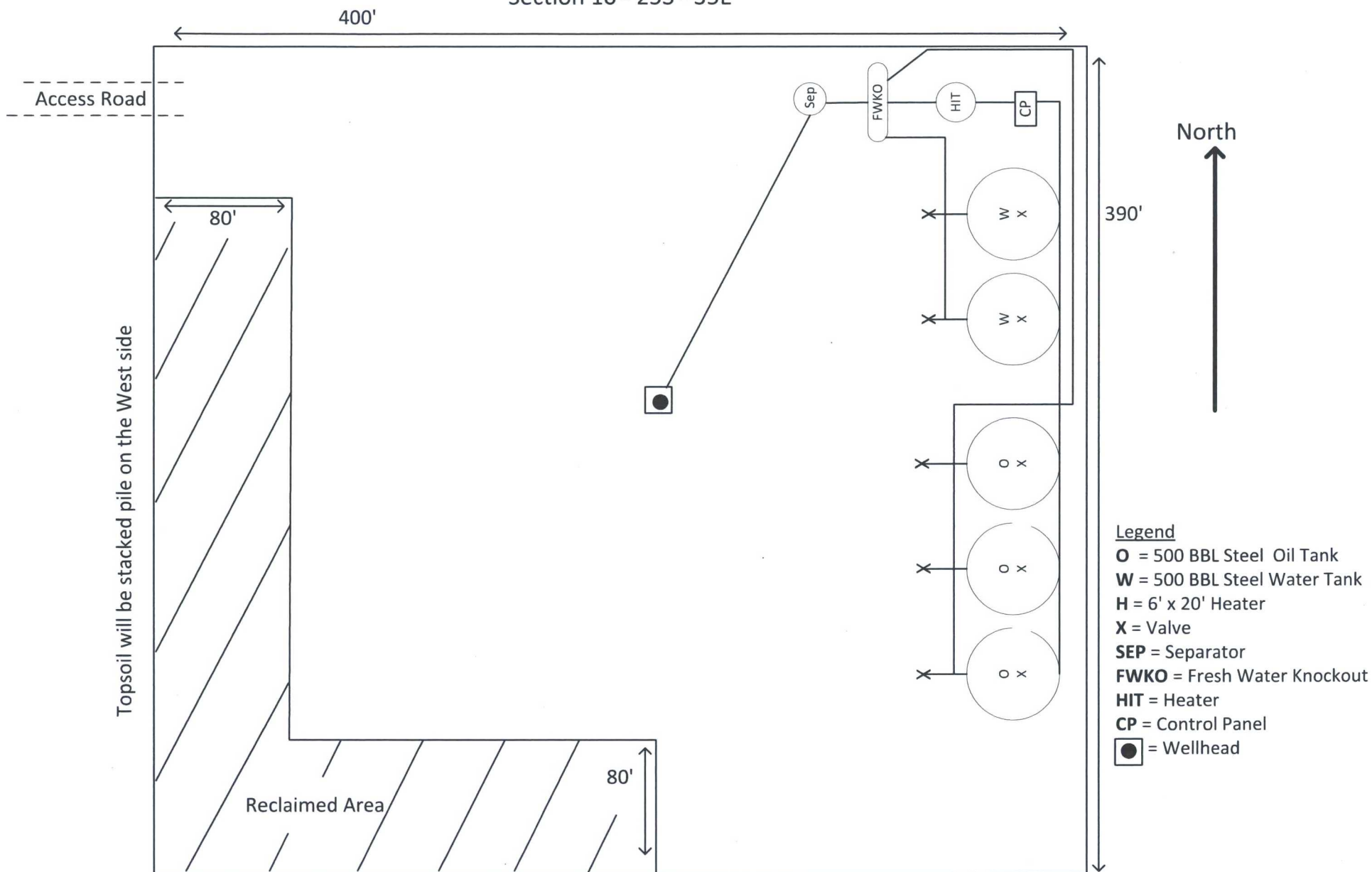
Proposed route for freshwater pipeline

0 0.25 0.5 1 1.5 2 Miles



Well Site Layout
Production Facility Layout
 Montera Federal #23H
 Section 10 - 25S - 35E

Exhibit 3



DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (575) 746-1263 Fax: (575) 746-9720

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 and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-	Pool Code 17980	Pool Name Dogie Draw; Wolfcamp
Property Code	Property Name MONTERA FEDERAL	Well Number 23H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3221'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	10	25 S	35 E		190	SOUTH	1650	WEST	LEA

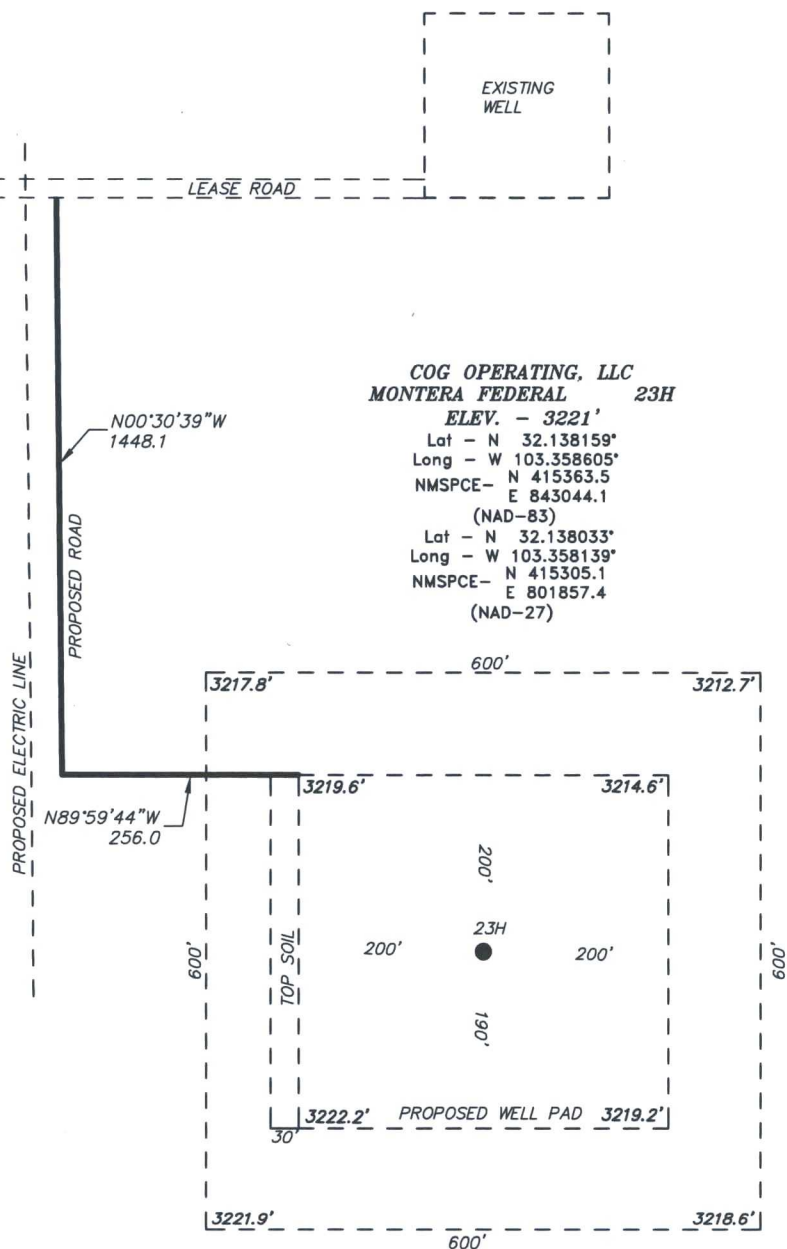
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	3	25 S	35 E		2440	SOUTH	1980	WEST	LEA
Dedicated Acres 240	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

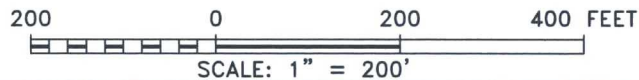
<p>PROPOSED BOTTOM HOLE LOCATION Lat - N 32.158850° Long - W 103.357516° NMSPCE- N 422893.8 E 843313.0 (NAD-83)</p> <p>LAST TAKE POINT Lat - N 32.158493° Long - W 103.357516° NMSPCE- N 422763.8 E 843314.1 (NAD-83)</p> <p>FIRST TAKE POINT Lat - N 32.138542° Long - W 103.357537° NMSPCE- N 415505.7 E 843373.3 (NAD-83)</p> <p>SURFACE LOCATION Lat - N 32.138159° Long - W 103.358605° NMSPCE- N 415363.5 E 843044.1 (NAD-83)</p>	<p>N: 425789.1 E: 846588.2 (NAD-83)</p> <p>N: 423111.3 E: 846612.6 (NAD-83)</p> <p>N: 420475.1 E: 846634.2 (NAD-83)</p> <p>N: 420458.9 E: 843992.9 (NAD-83)</p> <p>N: 417800.5 E: 841375.8 (NAD-83)</p> <p>N: 415180.2 E: 844040.3 (NAD-83)</p> <p>N: 423072.0 E: 841331.4 (NAD-83)</p> <p>N: 420438.6 E: 841353.5 (NAD-83)</p> <p>N: 415162.1 E: 841395.9 (NAD-83)</p>	<p>OPERATOR CERTIFICATION I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____ Mayte Reyes Printed Name mreyes1@concho.com Email Address</p> <p>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.</p> <p>OCTOBER 20 2016 Date Surveyed Signature & Seal of Professional Surveyor 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS</p> <p>0' 500' 1000' 1500' 2000' IN SCALE: 1" = 1000' WO Num.: 32537</p>
---	---	---

Section 10, Township 25 South, Range 35 East, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



COG OPERATING, LLC
MONTERA FEDERAL 23H
ELEV. - 3221'
 Lat - N 32.138159°
 Long - W 103.358605°
 NMSPCE - N 415363.5
 E 843044.1
 (NAD-83)
 Lat - N 32.138033°
 Long - W 103.358139°
 NMSPCE - N 415305.1
 E 801857.4
 (NAD-27)

JAL, NM IS ±10 MILES TO THE SOUTHEAST OF LOCATION.



COG OPERATING, LLC

REF: MONTERA FEDERAL 23H / WELL PAD TOPO

THE MONTERA FEDERAL 23H LOCATED 190' FROM
 THE SOUTH LINE AND 1650' FROM THE WEST LINE OF
 SECTION 10, TOWNSHIP 25 SOUTH, RANGE 35 EAST.

N.M.P.M., LEA COUNTY, NEW MEXICO.



P.O. Box 1786 (575) 393-7316 - Office
 1120 N. West County Rd. (575) 392-2206 - Fax
 Hobbs, New Mexico 88241 basin-surveys.com

W.O. Number: 32537

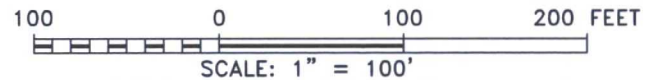
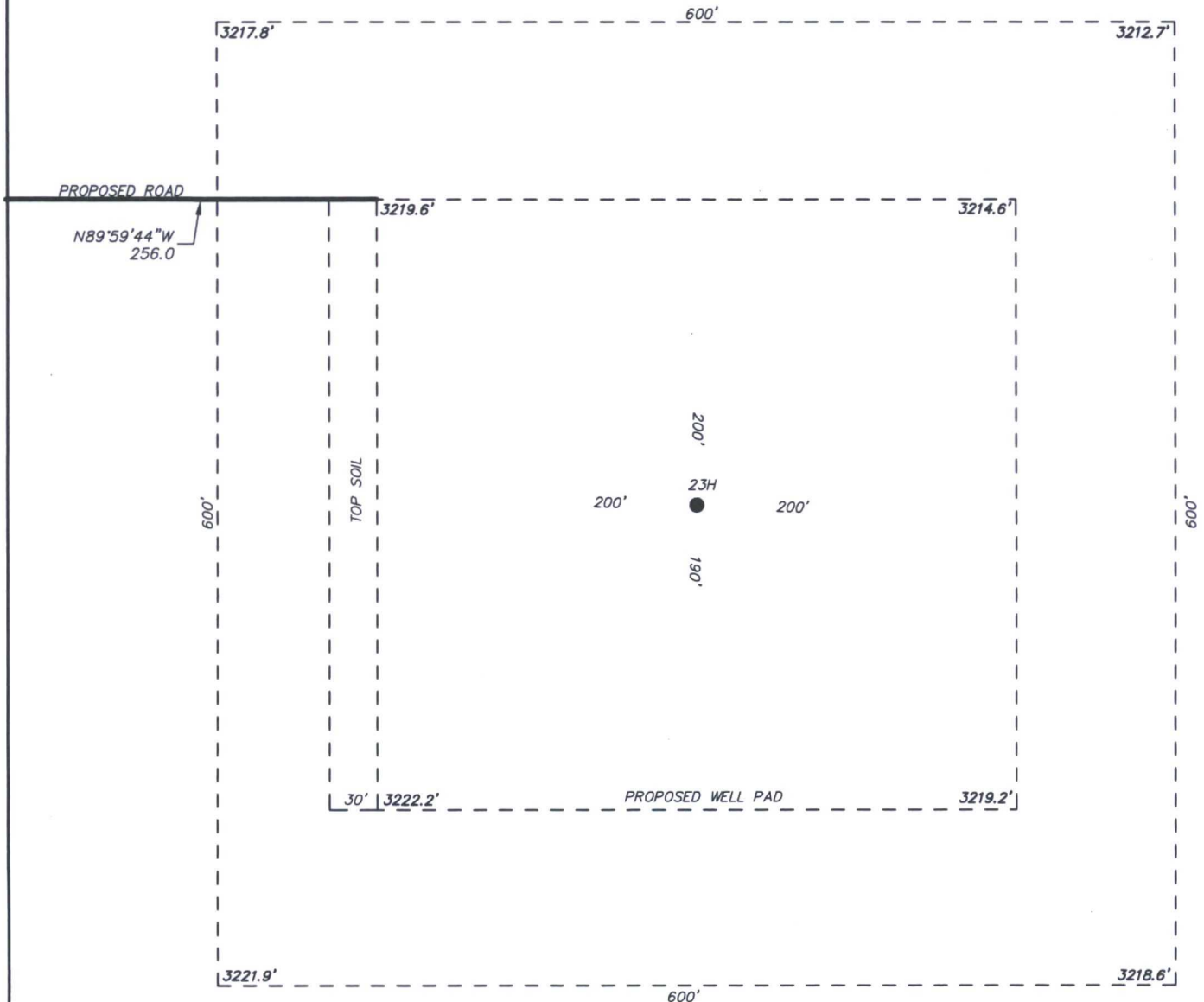
Drawn By: J GOAD

Date: 10-20-2016

Survey Date: 10-17-2016

Sheet 1 of 1 Sheets

Section 10, Township 25 South, Range 35 East, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



COG OPERATING, LLC

REF: MONTERA FEDERAL 23H / WELL PAD TOPO

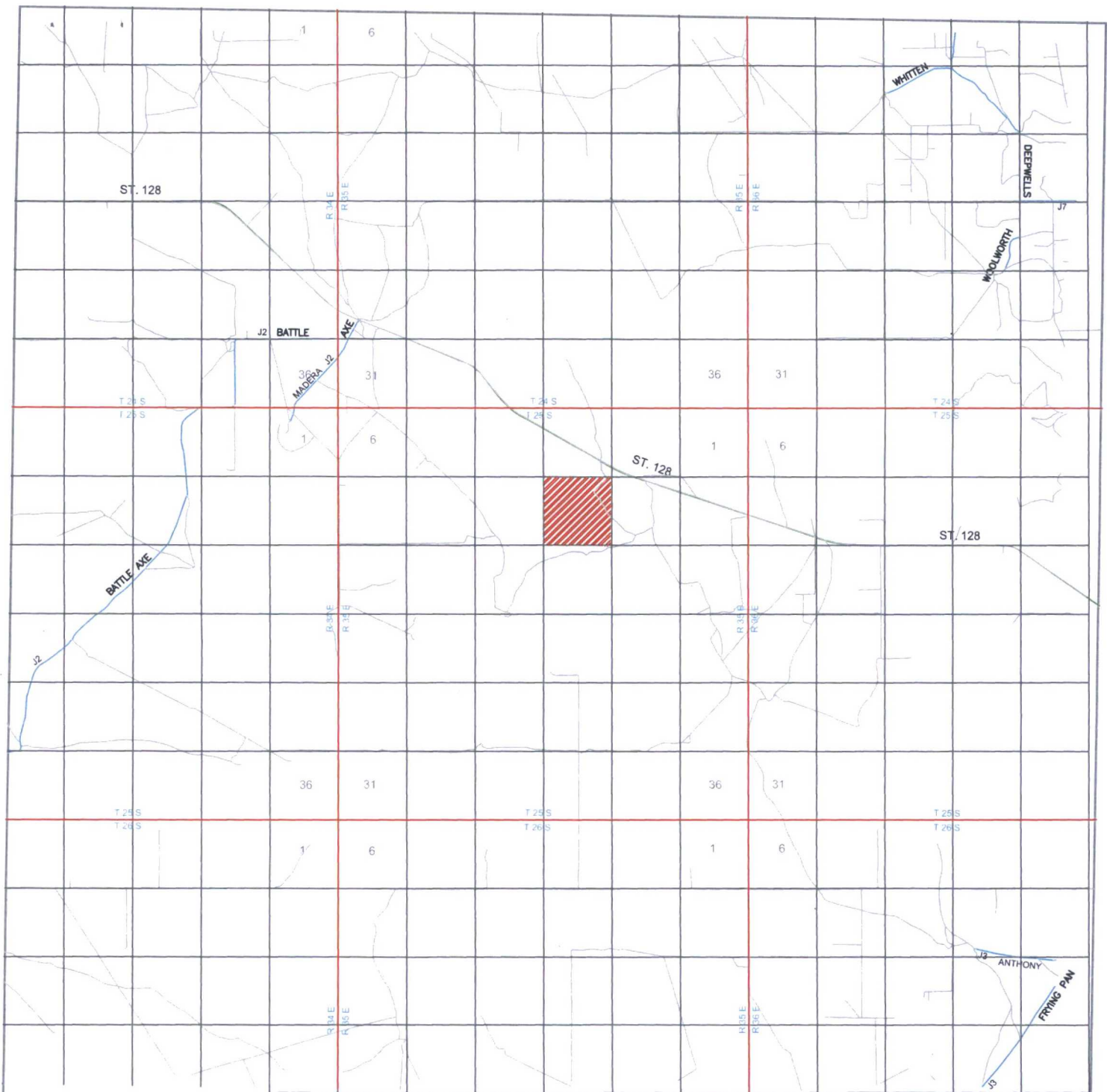
THE MONTERA FEDERAL 23H LOCATED 190' FROM
THE SOUTH LINE AND 1650' FROM THE WEST LINE OF
SECTION 10, TOWNSHIP 25 SOUTH, RANGE 35 EAST.

N.M.P.M., LEA COUNTY, NEW MEXICO.



P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basin-surveys.com

COG
OPERATING,
LLC



MONTERA FEDERAL 23H

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
basinsurveys.com

0 1 MI 2 MI 3 MI 4 MI
 SCALE: 1" = 2 MILES

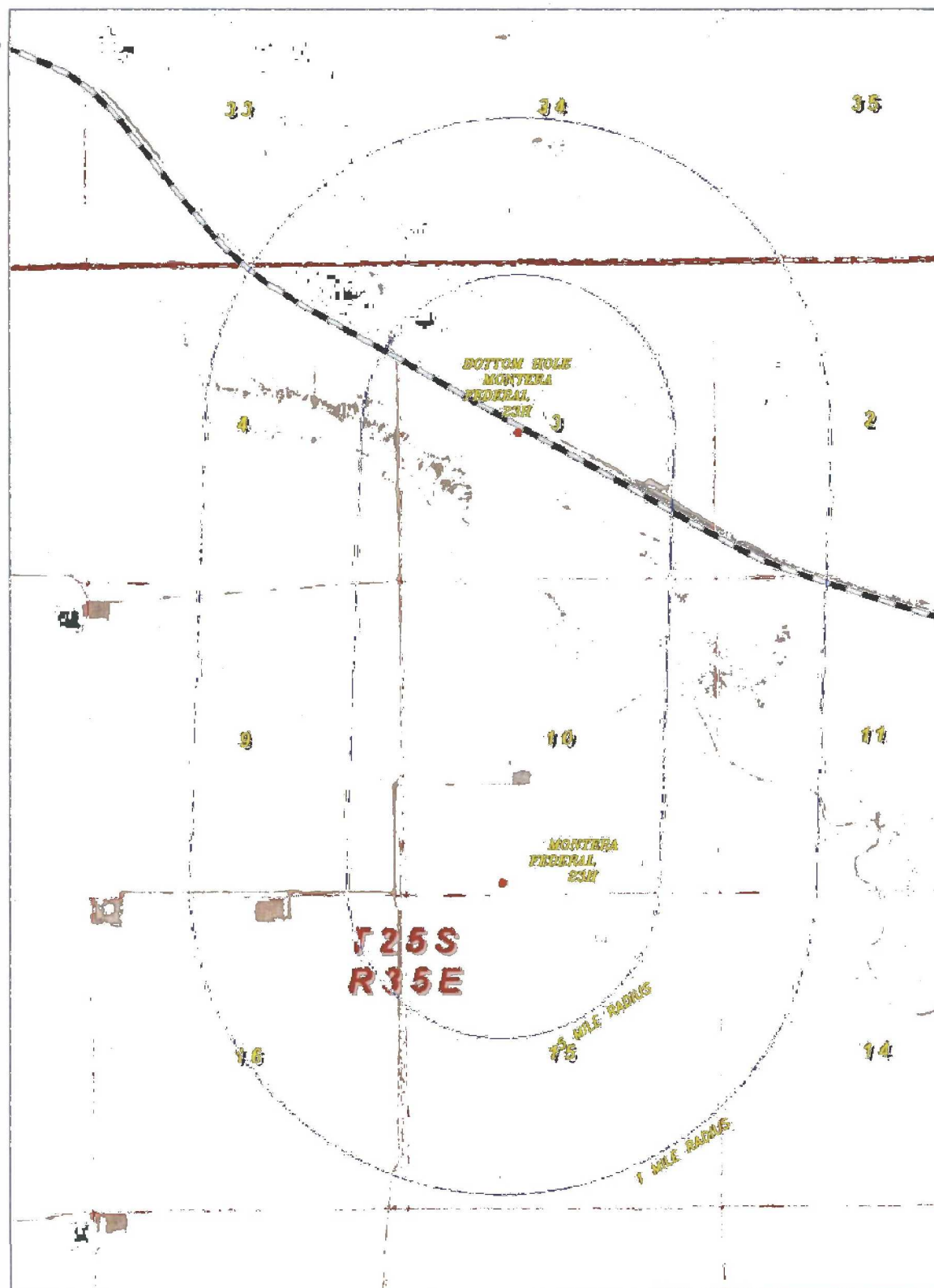
W.O. Number: JG 32470

Survey Date: 9-16-2016

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND



COG
 OPERATING,
 LLC



MONTERA FEDERAL 23H AND BOTTOM HOLE LOCATION

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

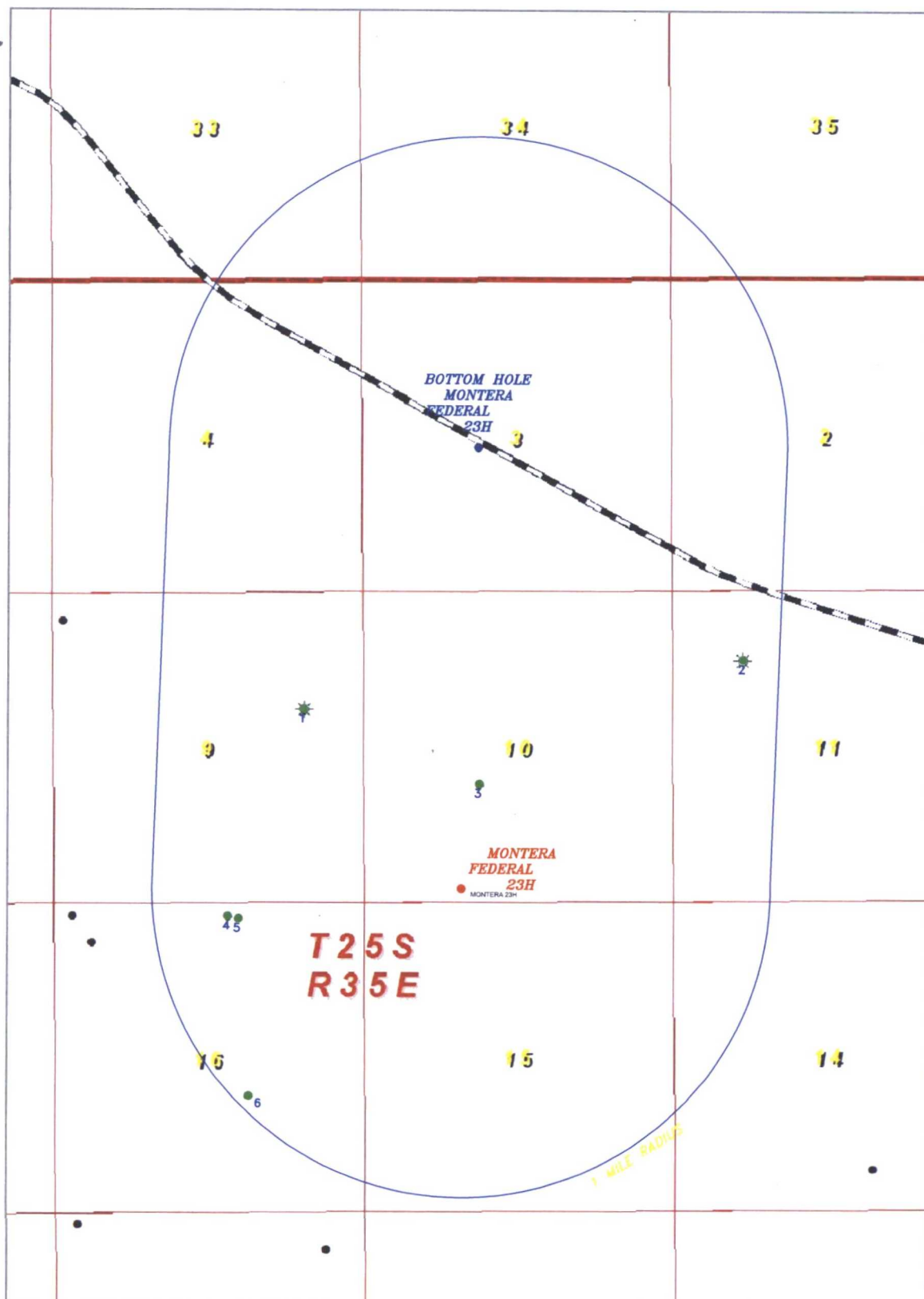
W.O. Number: JG 32470

Survey Date: 9-16-2016

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND



**COG
 OPERATING,
 LLC**



MONTERA FEDERAL 23H AND BOTTOM HOLE LOCATION

Located 190' FSL and 1980' FWL
 Section 10, Township 25 South, Range 35 East,
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

- SURFACE LOCATION
- BOTTOMHOLE
- WELLS WITHIN 1 MILE RADIUS

0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

W.O. Number: JG 32470

Survey Date: 9-16-2016

**COG
 OPERATING,
 LLC**

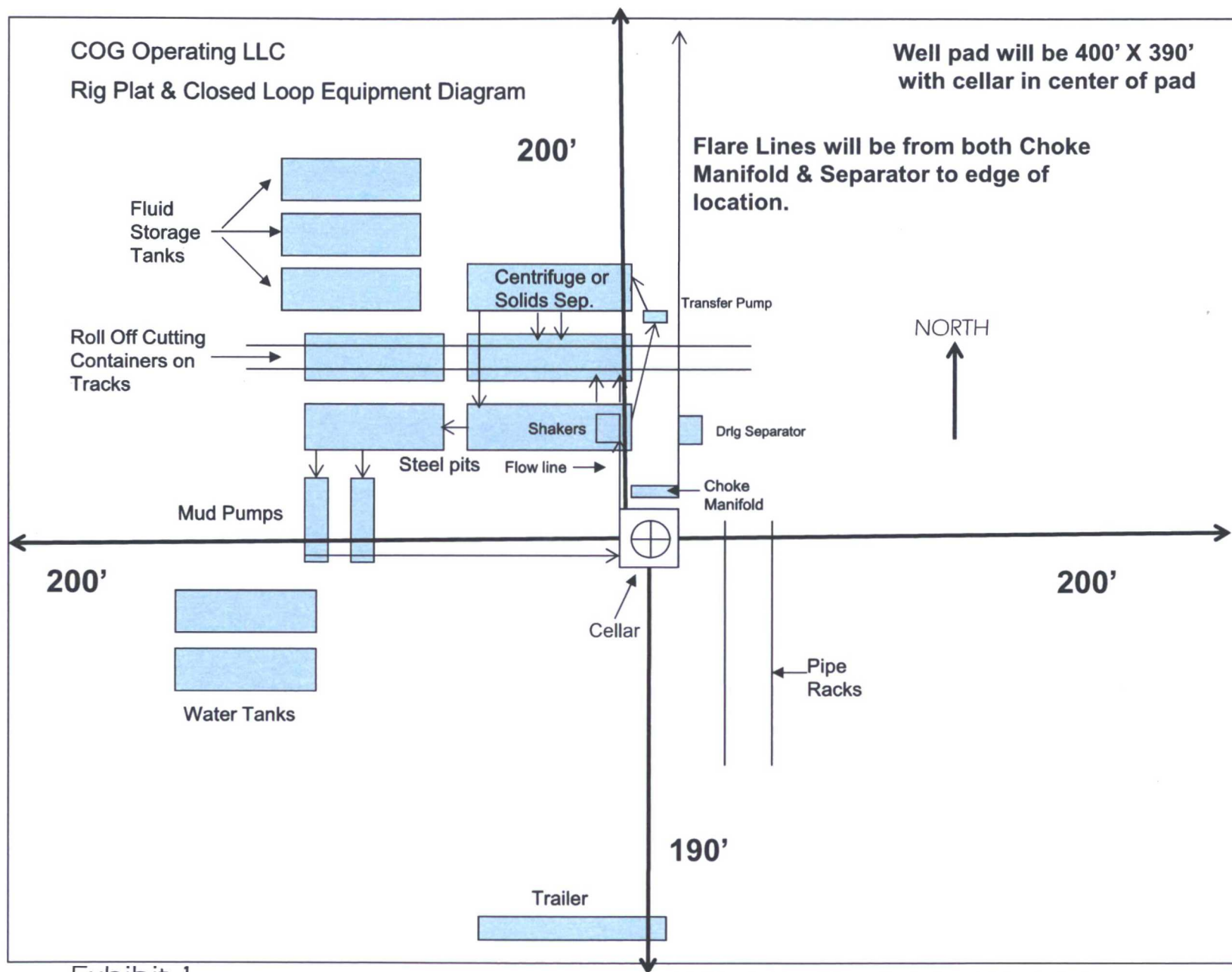


Exhibit 1

"I further certify that COG will comply with Rule 19.15.17 NMAC by using a Closed Loop System."