

API NUMBER: 045 23865

OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
P.O. BOX 52000
OKLAHOMA CITY, OK 73152-2000
(Rule 165:10-3-1)

Approval Date: 05/31/2022
Expiration Date: 11/30/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 10 Township: 18N Range: 24W County: ELLIS

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 200 1280

Lease Name: BARBARA 3/34 MD Well No: 1H Well will be 200 feet from nearest unit or lease boundary.
Operator Name: SAND CREEK OIL AND GAS OPERATING Telephone: 4058260150 OTC/OCC Number: 24698 0

SAND CREEK OIL AND GAS OPERATING LLC
401 NE 102 STREET
OKLAHOMA CITY, OK 73114

JG DOWLER AND BARBARA DOWLER
181491 EAST COUNTY ROAD 64
ARNETT OK 73832

Formation(s) (Permit Valid for Listed Formations Only):

Name	Code	Depth
1 CHEROKEE	404CHRK	9456

Spacing Orders: 723849

Location Exception Orders: 725151

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 19980

Ground Elevation: 2397

Surface Casing: 940

Depth to base of Treatable Water-Bearing FM: 690

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 22-38333

H. (Other)

SEE MEMO

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: BED AQUIFER

Pit Location Formation: OGALLALA

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: BED AQUIFER

Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Section: 34 Township: 19N Range: 24W Meridian: IM

County: ELLIS

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 880

Total Length: 10248

Measured Total Depth: 19980

True Vertical Depth: 9732

End Point Location from
Lease, Unit, or Property Line: 200

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

NOTES:	
Category	Description
HYDRAULIC FRACTURING	<p>[5/26/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
LOCATION EXCEPTION - 725151	<p>[5/31/2022 - G56] - (I.O.) 34-19N-24W & 3-18N-24W X723849 CHRK COMPL INT NCT 330' FSL, NCT 330' FNL, NCT 1000' FWL NO OP NAMED 4/28/2022</p>
MEMO	<p>[5/26/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
SPACING - 723849	<p>[5/31/2022 - G56] - (1280)(HOR) 34-19N-24W & 3-18N-24W VAC 92369 CHSDS 34-19N-24W VAC 614805 CHRK 3-18N-24W EST CHRK POE TO BHL NCT 660' FB</p>

PROPOSED NEW WELL LOCATION PLAT

COMPANY SAND CREEK OIL AND GAS OPERATING, LLC LEASE BARBARA 3/34 MD WELL NO. 1H
 SECTION 10 TOWNSHIP 18-N RANGE 24-WIM LOCATION 200' FNL 1280' FWL
 COUNTY ELLIS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
 LATITUDE 36°03'23.25" LONGITUDE -99°45'06.73" NAD27 ELEVATION 2397' NGVD29 DATE STAKED 5/16/2022
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 5.5 MILES SOUTHEAST OF ARNETT, OKLAHOMA

BOTTOM HOLE LOCATION
 200' FNL & 880' FWL
 OF SECTION 34

NAD27:
 X = 1,481,831
 Y = 399,896
 36°05'08.65"
 -99°45'13.43"
 36.0857361°
 -99.7537306°

LAST TAKE POINT
 330' FNL & 880' FWL
 OF SECTION 34

NAD27:
 X = 1,481,830
 Y = 399,767
 36°05'07.37"
 -99°45'13.42"
 36.0853806°
 -99.7537278°

BARBARA 3/34 MD #1H		
LINE	GRID AZ	DISTANCE
SL-FTP	323°46'	667'
FTP-LTP	001°2'	9998'
LTP-BHL	001°2'	130'

FIRST TAKE POINT
 330' FNL & 880' FWL
 OF SECTION 3

NAD27:
 X = 1,481,795
 Y = 389,769
 36°03'28.50"
 -99°45'11.64"
 36.0579167°
 -99.7532333°

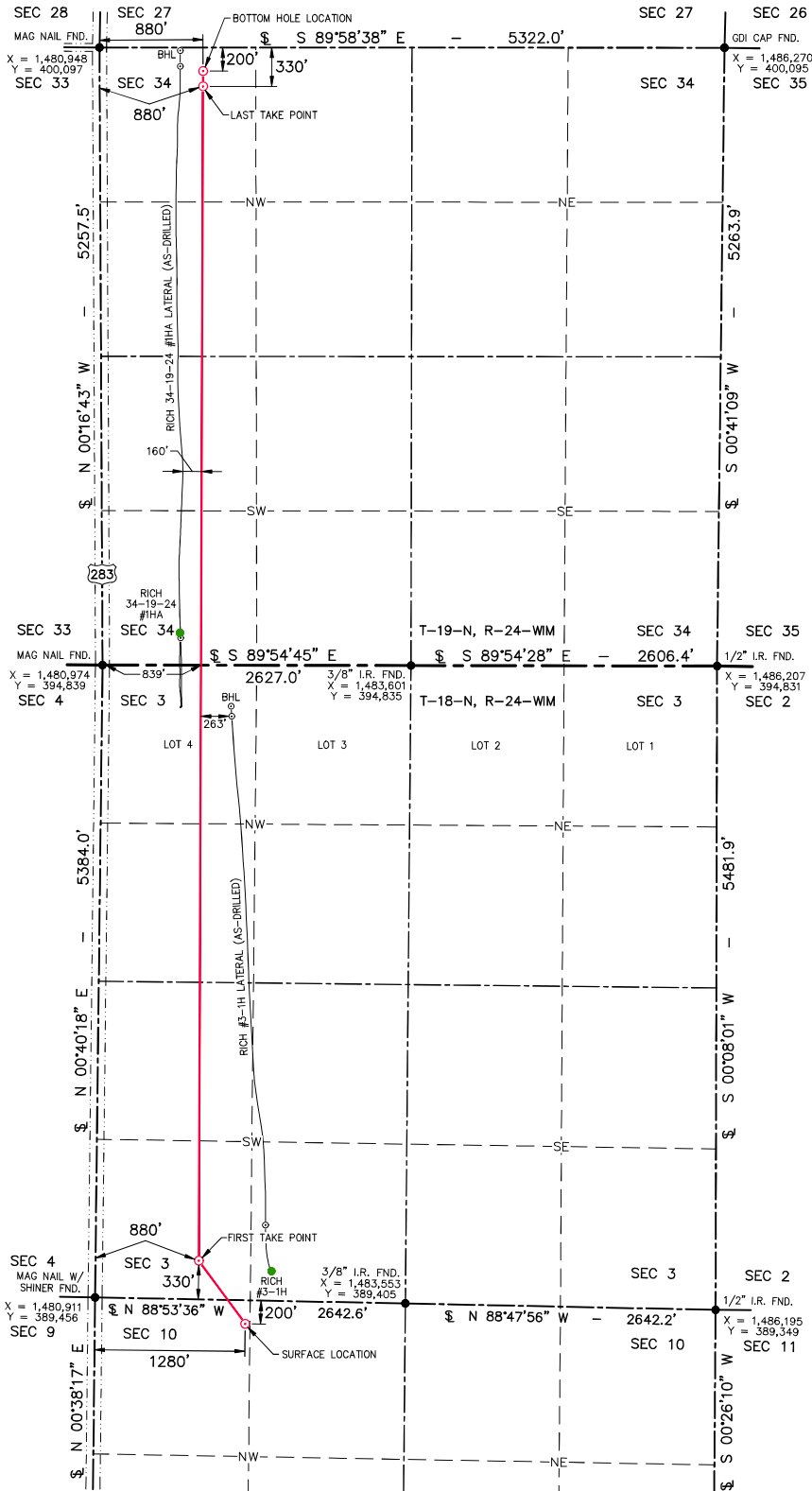
SURFACE LOCATION
 200' FNL & 1280' FWL
 OF SECTION 10

NAD27:
 X = 1,482,189
 Y = 389,251
 36°03'23.25"
 -99°45'06.73"
 36.0564583°
 -99.7518694°

WELL LEGEND
 ○ PERMITTED
 ○ DRY HOLE
 ● OIL
 ● GAS
 ● OIL/GAS
 ● PLUGGED OIL
 ● PLUGGED GAS
 ● PLUGGED OIL/GAS

NOTE:

- This plat is intended for Oklahoma Corporation Commission Permit purposes only and is NOT to be relied upon as a boundary survey and is NOT to be used to convey or establish real property interests.
- Bearings and dimensions shown are based on Grid Azimuth and Grid distance. All X,Y coordinates are based on NAD27, Oklahoma North Zone, U.S. Feet.
- X,Y Coordinates were derived from GPS static survey observations and/or RTK survey methods.
- As-drilled data shown on this plat was provided by client and/or third party. Information was not nor has not been field verified by Surveyor.



OKLA. COORDINATE SYSTEM
 NAD-27
 OKLAHOMA NORTH ZONE
 U.S. FEET



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY MYSELF OR OTHERS UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNED: [Signature] DATED: 5/24/2022

Scale 1" = 1000'

GDI
 Geospatial Data, Inc.
 LAND SURVEYING • GIS
 BEYOND MAPPING.COM
 105 HACKBERRY TRAIL • CANADIAN, TX 75014
 (800) 323-9773 • TEXAS FIRM NO. 10010100
 CERT. OF AUTH. NO. 7796, EXP. JUNE 30, 2022

SAND CREEK
 OIL AND GAS

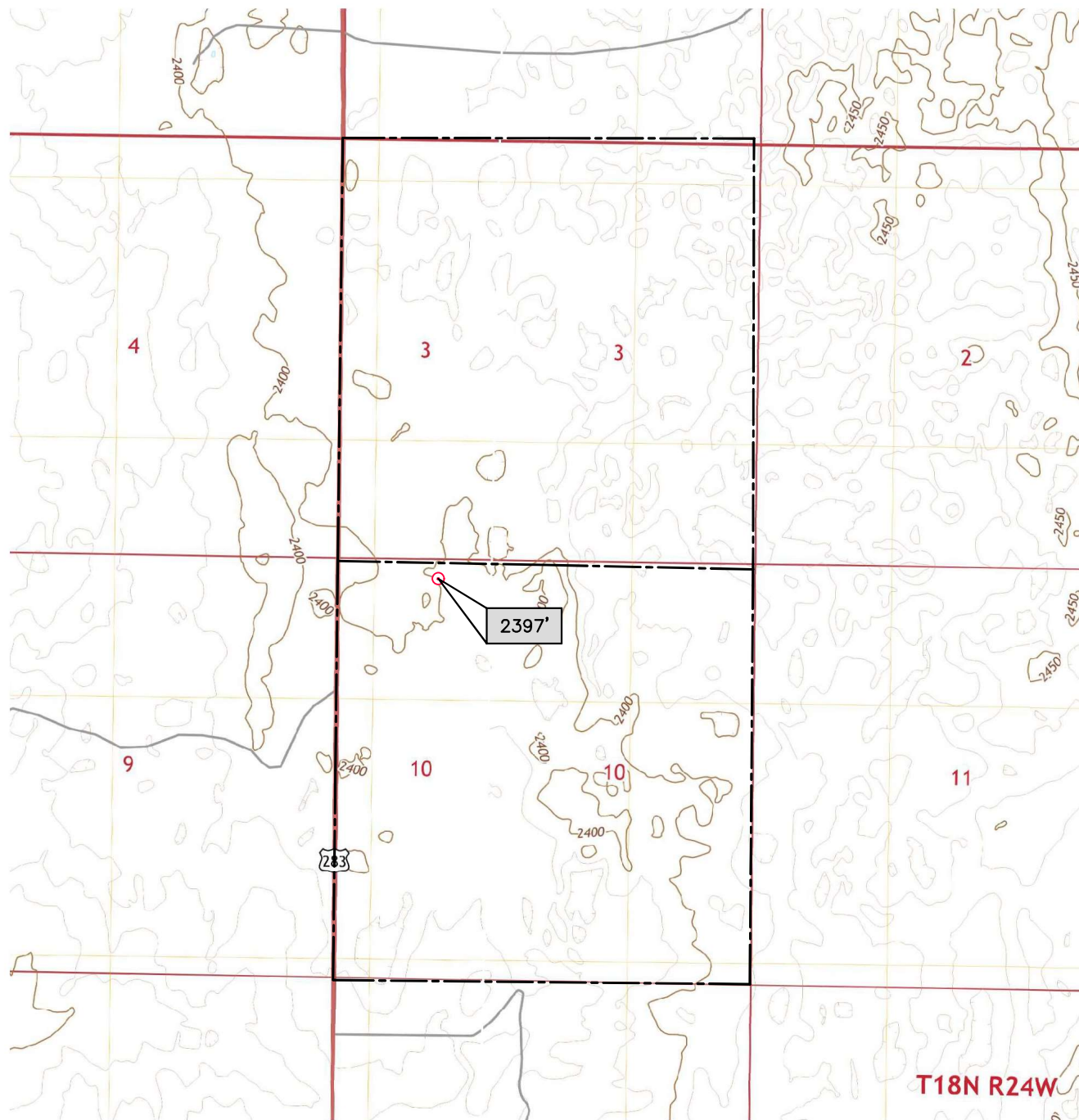
BARBARA 3/34 MD #1H	
FIELD:	KB,GPS
DRAWN:	MLS
DATE:	5/24/2022
CHECKED:	CBM
SHEET:	1 OF 4
REVISION:	



JOB NO. C222-096-1

ELEVATION VERIFICATION

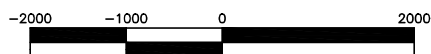
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NOTE:

1. Topographic map data shown is from the USGS US Topo 1:24000 HARMON SW, OK & ARNETT SE, OK 2022 maps. Contour interval is 10 feet. NAVD 1988.

Scale 1" = 2000'



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BARBARA 3/34 MD #1H	
FIELD:	KB,GPS
DRAWN:	MLS
DATE:	5/24/2022
CHECKED:	CBM
SHEET:	2 OF 4
REVISION:	

JOB NO. C222-096-2

AERIAL PLAT

COMPANY SAND CREEK OIL AND GAS OPERATING, LLC LEASE BARBARA 3/34 MD WELL NO. 1H
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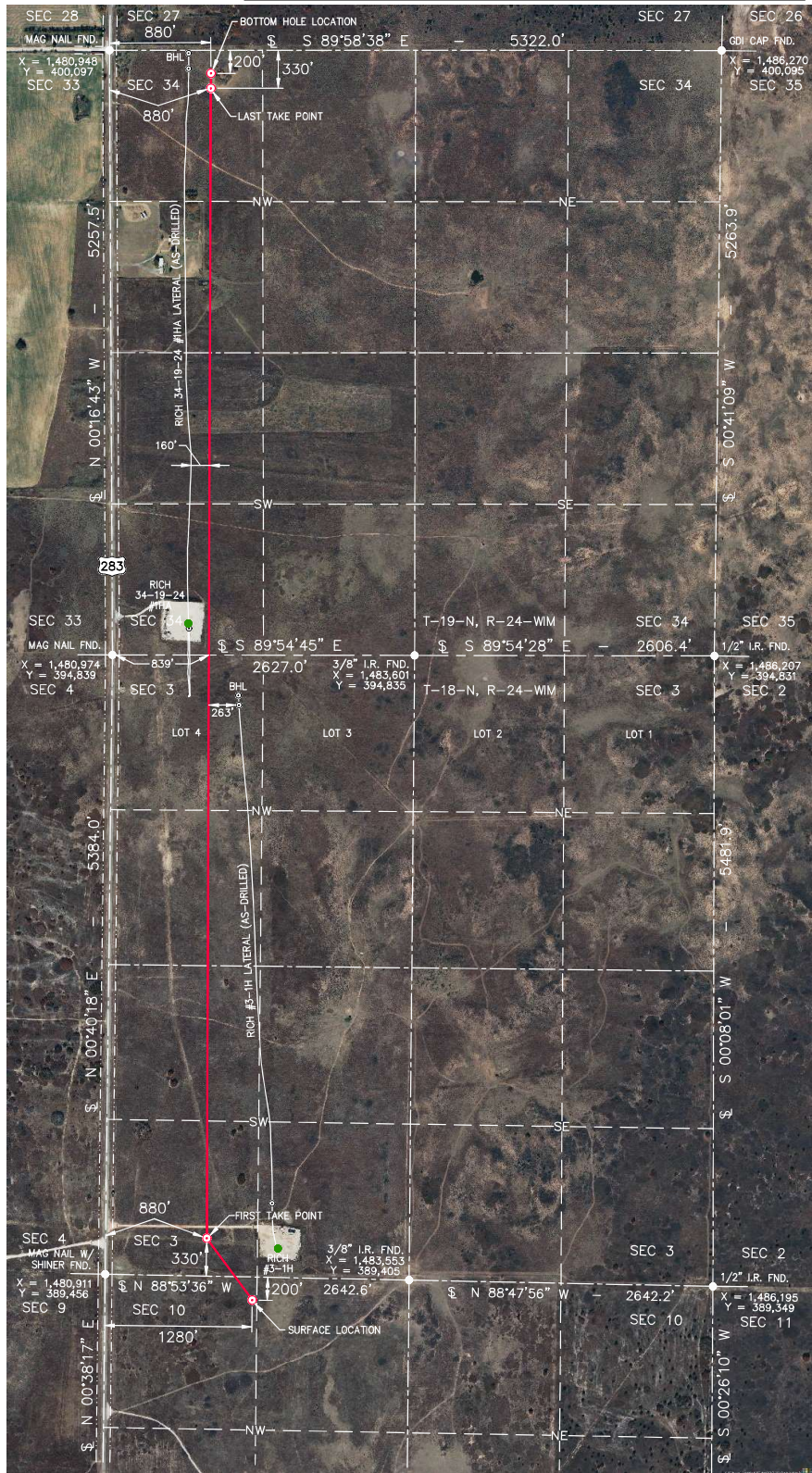
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- PERMITTED
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 NAD-27
 OKLAHOMA NORTH ZONE
 U.S. FEET



Scale 1" = 1000'
 -1000 -500 0 1000

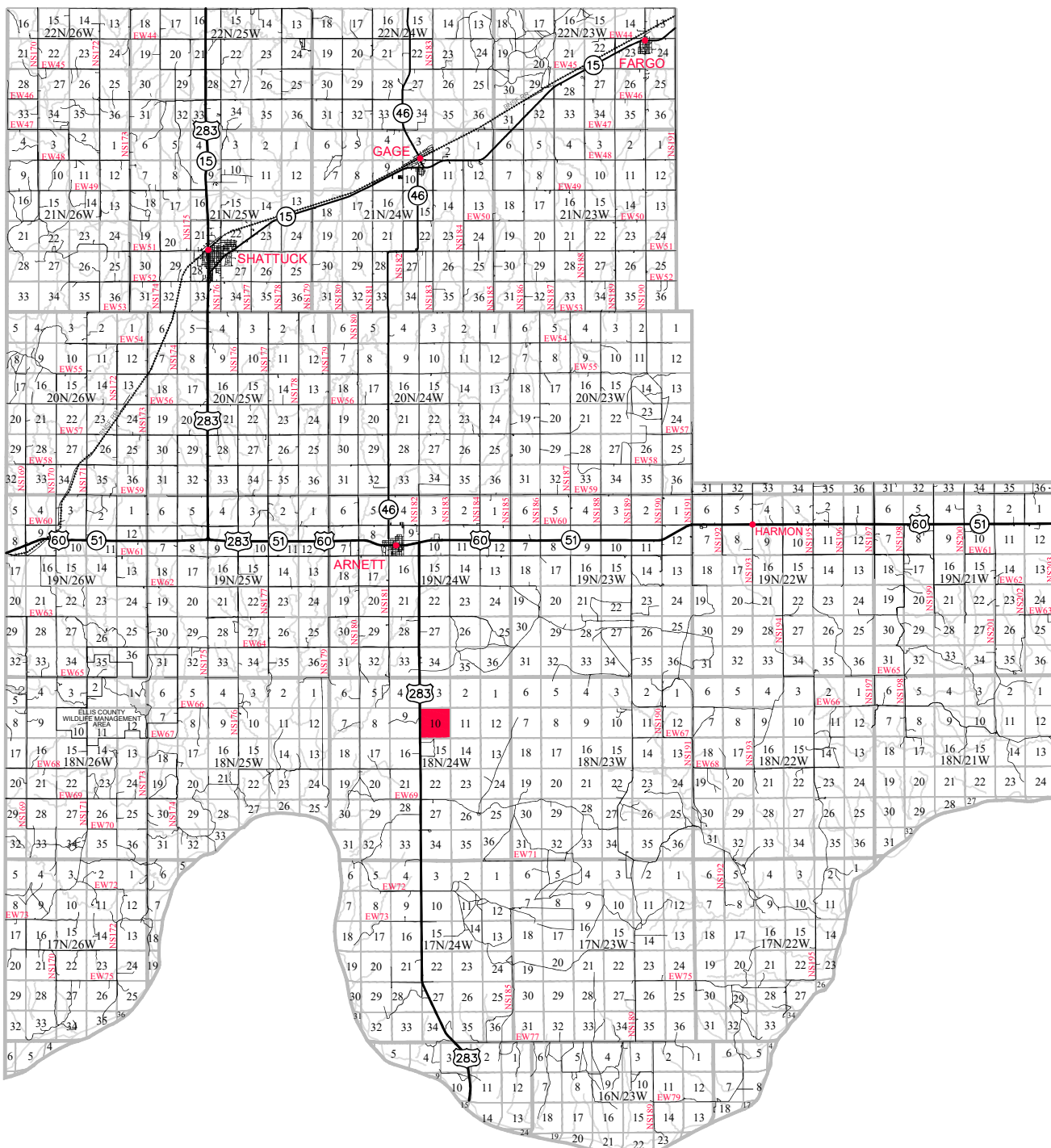


BARBARA 3/34 MD #1H	
FIELD:	KB,GPS
DRAWN:	MLS
DATE:	5/24/2022
CHECKED:	CBM
SHEET:	3 OF 4
REVISION:	

JOB NO. C222-096-3

VICINITY MAP

COMPANY SAND CREEK OIL AND GAS OPERATING, LLC LEASE BARBARA 3/34 MD WELL NO. 1H
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BARBARA 3/34 MD #1H	
FIELD:	KB,GPS
DRAWN:	MLS
DATE:	5/24/2022
CHECKED:	CBM
SHEET:	4 OF 4
REVISION:	

JOB NO. C222-096-4