

API NUMBER: 139 24648

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

Approval Date: 06/02/2022
Expiration Date: 12/02/2023

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 27 Township: 5N Range: 13EC County: TEXAS

SPOT LOCATION: NW SE NW SE
FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 1702 1585

Lease Name: WITT-WORTH 27 Well No: 2 Well will be 936 feet from nearest unit or lease boundary.
Operator Name: BREITBURN OPERATING LP Telephone: 7134378000 OTC/OCC Number: 23249 0

BREITBURN OPERATING LP
1111 BAGBY ST STE 1600
HOUSTON, TX 77002-2547

MARK E & MARY K WITT JT
RR 3 BOX 51
HOOKER OK 73945

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

Name	Code	Depth
1 MORROW	402MRRW	6165

Spacing Orders: 65740

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 6460 Ground Elevation: 3313

Surface Casing: 740

Depth to base of Treatable Water-Bearing FM: 540

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: 22-38317
H. (Other) CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: PLEISTOCENE

DIRECTIONAL HOLE 1

Section: 27 Township: 5N Range: 13E Meridian: CM

County: TEXAS

Measured Total Depth: 6460

Spot Location of End Point: SW NE NW SE

True Vertical Depth: 6400

Feet From: SOUTH 1/4 Section Line: 2010

End Point Location from

Feet From: EAST 1/4 Section Line: 1683

Lease, Unit, or Property Line: 628

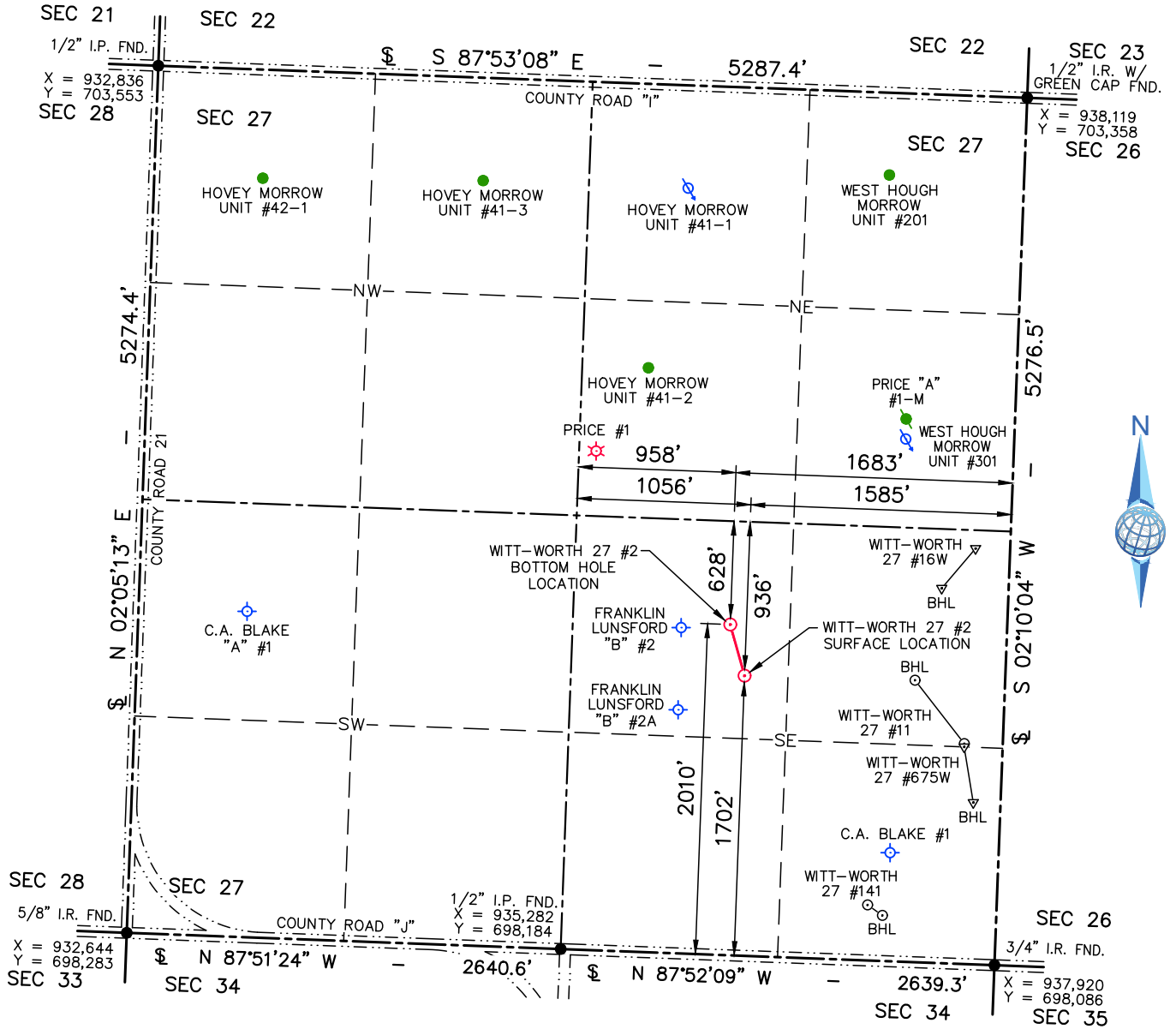
NOTES:

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.

Category	Description
HYDRAULIC FRACTURING	<p>[5/13/2022 - 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>
SPACING - 65740	<p>[6/2/2022 - GC2] - (UNIT) 34-5N-13ECM X61971/VAR/61973 ALLOWS COMMINGLE OF 2 OR MORE MRRW CSS IN WEST HOUGH MORROW UNIT</p>
SURFACE CASING	<p>[5/13/2022 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 23-5N-13ECM</p>

PROPOSED NEW WELL LOCATION PLAT

COMPANY BREITBURN OPERATING, LP LEASE WITT-WORTH 27 WELL NO. 2
SECTION 27 TOWNSHIP 5-N RANGE 13-ECM LOCATION 1702' FSL 1585' FEL
COUNTY TEXAS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
LATITUDE 36°52'04.08" LONGITUDE -101°38'11.27" NAD27 ELEVATION 3313' NGVD29 DATE STAKED 4/18/2022
DIRECTION FROM NEAREST TOWN APPROXIMATELY 15.0 MILES NORTHWEST OF GUYMON, OKLAHOMA



- WELL LEGEND
- PERMITTED
 - DRY HOLE
 - OIL
 - GAS
 - OIL/GAS
 - PLUGGED OIL
 - PLUGGED GAS
 - PLUGGED OIL/GAS
 - INJECTION/DISPOSAL
 - PROPOSED OIL/GAS
 - PROPOSED INJECTION

SURFACE LOCATION
1702' FSL & 1585' FEL
OF SECTION 27

NAD27:
X = 936,400
Y = 699,845
36°52'04.08"
-101°38'11.27"
36.8678004"
-101.6364640"
NAD83:
X = 904,798
Y = 699,876
36°52'04.17"
-101°38'12.85"
36.8678257"
-101.6369024"

BOTTOM HOLE LOCATION
2010' FSL & 1683' FEL
OF SECTION 27

NAD27:
X = 936,314
Y = 700,156
36°52'07.12"
-101°38'12.48"
36.8686454"
-101.6368003"
NAD83:
X = 904,712
Y = 700,187
36°52'07.21"
-101°38'14.06"
36.8686708"
-101.6372387"

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

WITT-WORTH 27 #2		
LINE	GRID AZ	DISTANCE
SL-BHL	344°25'	323'

WELL NAME	DISTANCE TO BHL
WITT-WORTH 27 #11 BHL	1173'
WITT-WORTH 27 #141 BHL	1995'
WITT-WORTH 27 #16W BHL	1304'
WITT-WORTH 27 #675W BHL	1832'
HMU #41-1	2665'
HMU #41-2	1638'
HMU #41-3	3089'
HMU #42-1	3930'
WHMU #201	2863'
WHMU #301	1553'
PRICE #1	1334'
PRICE "A" #1-M	1645'
F. LUNS福德 "B" #2	299'
F. LUNS福德 "B" #2A	607'
C.A. BLAKE #1	1693'
C.A. BLAKE "A" #1	2939'

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, unless otherwise noted.
- X,Y Coordinates were derived from GPS static survey observations and/or RTK survey methods.
- All plugged and/or abandoned wells shown hereon are calculated from Oklahoma Corporation Commission records and have not been field verified.

Scale 1" = 1000'

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: _____ DATED: 4/27/2022



BREITBURN
OPERATING, LP

1111 BAGBY STREET • SUITE 1600
HOUSTON, TX 77002

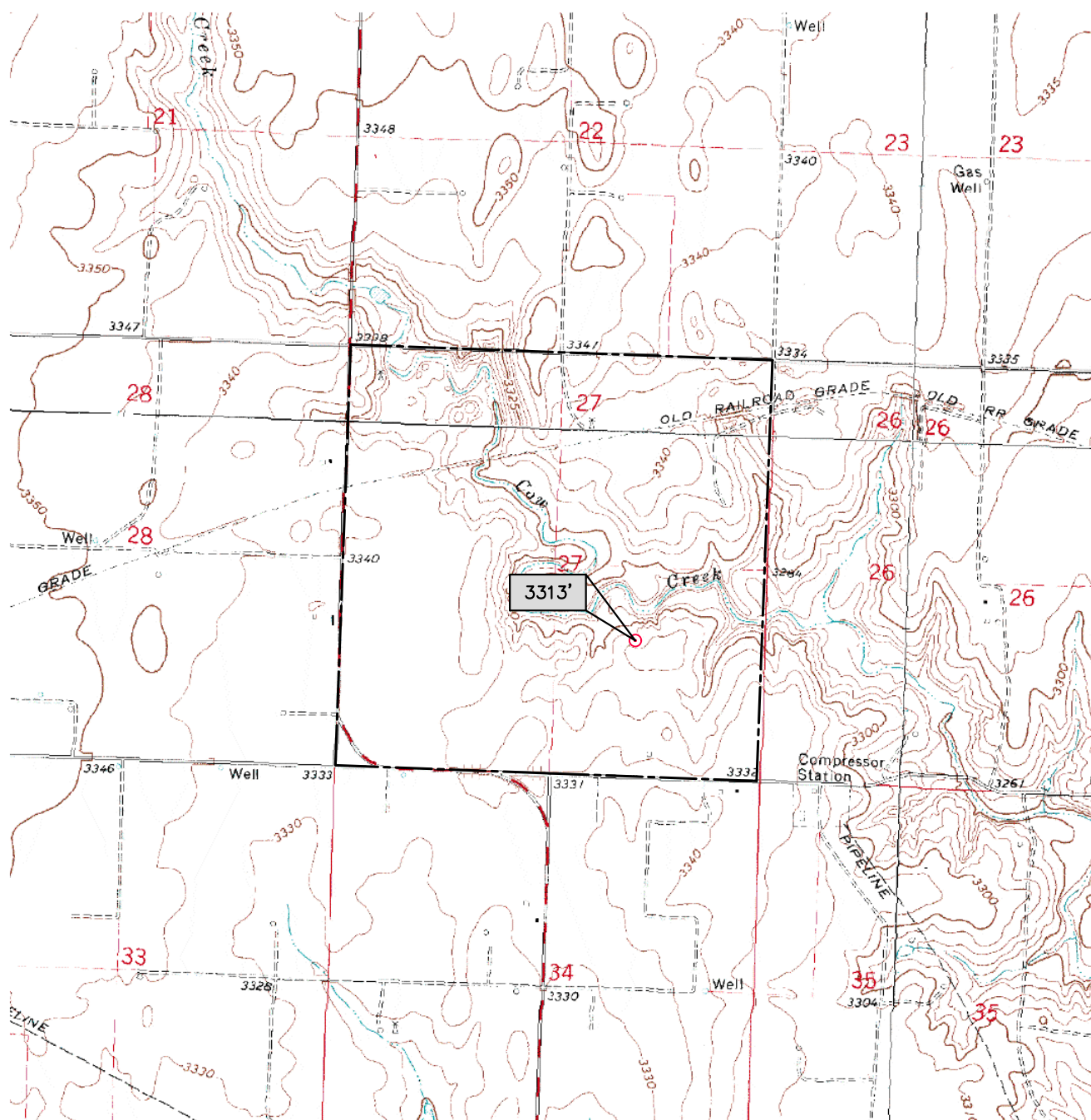
WITT-WORTH 27 #2	
FIELD:	JT,KB,GPS
DRAWN:	MLS
DATE:	4/27/2022
CHECKED:	CBM
SHEET:	1 OF 4
REVISION:	



JOB NO. C222-042-1

ELEVATION VERIFICATION

COMPANY BREITBURN OPERATING, LP LEASE WITT-WORTH 27 WELL NO. 2
 SECTION 27 TOWNSHIP 5-N RANGE 13-ECM LOCATION 1702' FSL 1585' FEL
 COUNTY TEXAS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
 LATITUDE 36°52'04.08" LONGITUDE -101°38'11.27" NAD27 ELEVATION 3313' NGVD29 DATE STAKED 4/18/2022
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 15.0 MILES NORTHWEST OF GUYMON, OKLAHOMA



NOTE:

1. Topographic map data shown is from the USGS HTMC Topo 1:24000 HOUGH SW, OK & HOUGH NW, OK 1973 maps. Contour intervals are 10 feet & 5 feet, respectively. Datum is Mean Sea Level.

Scale 1" = 2000'



LAND SURVEYING • GIS

BEYONDMAPPING.COM

105 HACKBERRY TRAIL • CANADIAN, TX 79014

(806) 323-9773 • TEXAS FIRM NO. 10010100

CERT. OF AUTH. NO. 7796, EXP. JUNE 30, 2022

BREITBURN OPERATING, LP

1111 BAGBY STREET • SUITE 1600
HOUSTON, TX 77002

WITT-WORTH 27 #2

FIELD: JT,KB,GPS

DRAWN: MLS

DATE: 4/27/2022

CHECKED: CBM

SHEET: 2 OF 4

REVISION:

JOB NO. C222-042-2

AERIAL PLAT

COMPANY BREITBURN OPERATING, LP LEASE WITT-WORTH 27 WELL NO. 2
SECTION 27 TOWNSHIP 5-N RANGE 13-ECM LOCATION 1702' FSL 1585' FEL
COUNTY TEXAS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
LATITUDE 36°52'04.08" LONGITUDE -101°38'11.27" NAD27 ELEVATION 3313' NGVD29 DATE STAKED 4/18/2022
DIRECTION FROM NEAREST TOWN APPROXIMATELY 15.0 MILES NORTHWEST OF GUYMON, OKLAHOMA



- WELL LEGEND
- PERMITTED
 - DRY HOLE
 - OIL
 - GAS
 - OIL/GAS
 - PLUGGED OIL
 - PLUGGED GAS
 - PLUGGED OIL/GAS
 - INJECTION/DISPOSAL
 - PROPOSED OIL/GAS
 - PROPOSED INJECTION

SURFACE LOCATION
1702' FSL & 1585' FEL
OF SECTION 27

NAD27:
X = 936,400
Y = 699,845
36°52'04.08"
-101°38'11.27"
36.8678004"
-101.6364640"
NAD83:
X = 904,798
Y = 699,876
36°52'04.17"
-101°38'12.85"
36.8678257"
-101.6369024"

BOTTOM HOLE LOCATION
2010' FSL & 1683' FEL
OF SECTION 27

NAD27:
X = 936,314
Y = 700,156
36°52'07.12"
-101°38'12.48"
36.8686454"
-101.6368003"
NAD83:
X = 904,712
Y = 700,187
36°52'07.21"
-101°38'14.06"
36.8686708"
-101.6372387"

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

WITT-WORTH 27 #2		
LINE	GRID AZ	DISTANCE
SL-BHL	344°25'	323'

WELL NAME	DISTANCE TO BHL
WITT-WORTH 27 #11 BHL	1173'
WITT-WORTH 27 #141 BHL	1995'
WITT-WORTH 27 #16W BHL	1304'
WITT-WORTH 27 #675W BHL	1832'
HMU #41-1	2665'
HMU #41-2	1638'
HMU #41-3	3089'
HMU #42-1	3930'
WHMU #201	2863'
WHMU #301	1553'
PRICE #1	1334'
PRICE "A" #1-M	1645'
F. LUNS福德 "B" #2	299'
F. LUNS福德 "B" #2A	607'
C.A. BLAKE #1	1693'
C.A. BLAKE "A" #1	2939'

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, unless otherwise noted.
- X,Y Coordinates were derived from GPS static survey observations and/or RTK survey methods.
- All plugged and/or abandoned wells shown hereon are calculated from Oklahoma Corporation Commission records and have not been field verified.

Scale 1" = 1000'



BREITBURN
OPERATING, LP

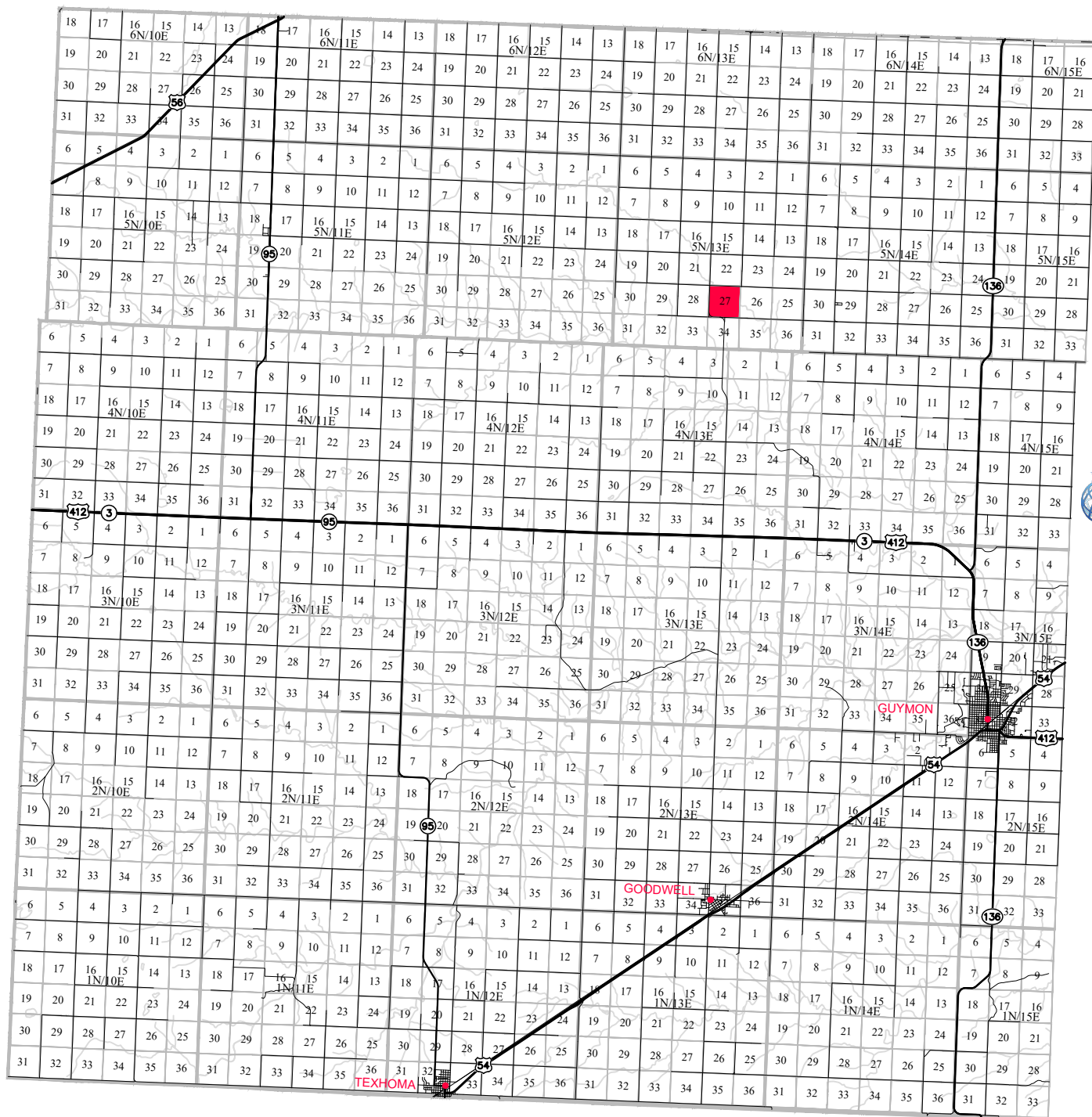
1111 BAGBY STREET • SUITE 1600
HOUSTON, TX 77002

WITT-WORTH 27 #2	
FIELD:	JT,KB,GPS
DRAWN:	MLS
DATE:	4/27/2022
CHECKED:	CBM
SHEET:	3 OF 4
REVISION:	

JOB NO. C222-042-3

VICINITY MAP

COMPANY BREITBURN OPERATING, LP LEASE WITT-WORTH 27 WELL NO. 2
 SECTION 27 TOWNSHIP 5-N RANGE 13-ECM LOCATION 1702' FSL 1585' FEL
 COUNTY TEXAS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
 LATITUDE 36°52'04.08" LONGITUDE -101°38'11.27" NAD27 ELEVATION 3313' NGVD29 DATE STAKED 4/18/2022
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 15.0 MILES NORTHWEST OF GUYMON, OKLAHOMA



LAND SURVEYING • GIS
BEYONDMAPPING.COM
 105 HACKBERRY TRAIL • CANADIAN, TX 79014
 (806) 323-9773 • TEXAS FIRM NO. 10010100
 CERT. OF AUTH. NO. 7796, EXP. JUNE 30, 2022

BREITBURN OPERATING, LP

1111 BAGBY STREET • SUITE 1600
 HOUSTON, TX 77002

WITT-WORTH 27 #2	
FIELD:	JT,KB,GPS
DRAWN:	MLS
DATE:	4/27/2022
CHECKED:	CBM
SHEET:	4 OF 4
REVISION:	

JOB NO. C222-042-4