

API NUMBER: 139 24647

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

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 26 Township: 5N Range: 13EC County: TEXAS

SPOT LOCATION: ☐ NW ☐ SE ☐ NW ☐ SW
FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1689 831

Lease Name: WEST HOUGH MORROW UNIT Well No: 9 Well will be 831 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

PHILIP W JOYCE
PO BOX 5346
ENID OK 73702

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

Name	Code	Depth
1 MORROW	402MRRW	6095

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: 3270

Surface Casing: 780

Depth to base of Treatable Water-Bearing FM: 570

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: 22-38312

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: 26 Township: 5N Range: 13E Meridian: CM

County: TEXAS

Measured Total Depth: 6460

Spot Location of End Point: SE SW NW SW

True Vertical Depth: 6400

Feet From: SOUTH 1/4 Section Line: 1593

End Point Location from

Feet From: WEST 1/4 Section Line: 482

Lease, Unit, or Property Line: 482

Additional Surface Owner(s)

Address

City, State, Zip

TERRYL W & DEBORAH COLSON GLODEN

4200 IRVIN DR.

MIDLAND, TX 79705

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.

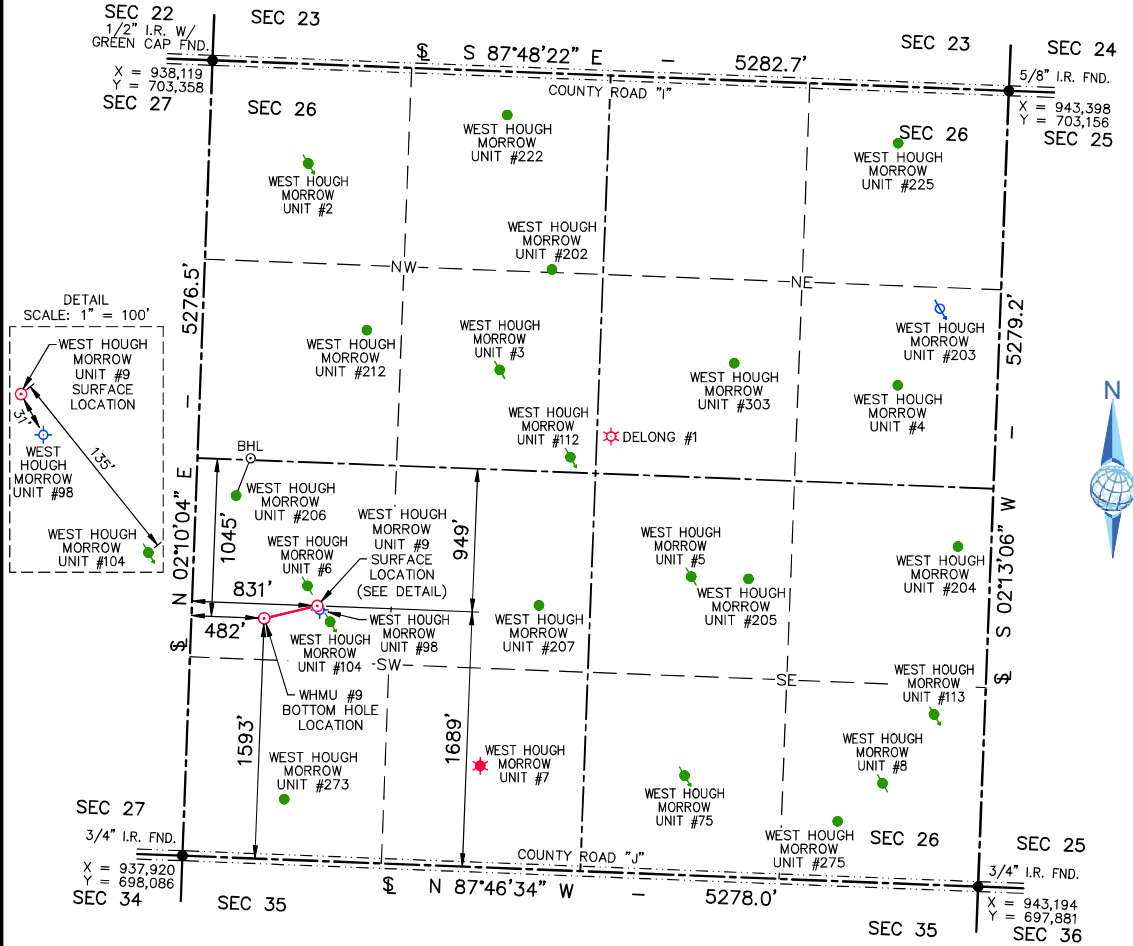
Category	Description
HYDRAULIC FRACTURING	[5/18/2022 - GC2] - OCC 165:10-3-10 REQUIRES: 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT 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; 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, 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
SPACING - 65740	[5/27/2022 - G56] - (UNIT) 34-5N-13ECM X61971/VAR/61973 ALLOWS COMMINGLE OF 2 OR MORE MRRW CSS IN WEST HOUGH MORROW UNIT
SURFACE CASING	[5/18/2022 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 23 & 24-5N-13ECM

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.

139 24647 WEST HOUGH MORROW UNIT 9

PROPOSED NEW WELL LOCATION PLAT

COMPANY BREITBURN OPERATING, LP LEASE WEST HOUGH MORROW UNIT WELL NO. 9
 SECTION 26 TOWNSHIP 5-N RANGE 13-ECM LOCATION 1689' FSL 831' FWL
 COUNTY TEXAS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
 LATITUDE 36°52'03.95" LONGITUDE -101°37'41.54" NAD27 ELEVATION 3270' 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
- INJECTION/DISPOSAL

SURFACE LOCATION 1689' FSL & 831' FWL OF SECTION 26

NAD27:
 X = 938,814
 Y = 699,742
 36°52'03.95"
 -101°37'41.54"
 36.8677638"
 -101.6282050"
 NAD83:
 X = 907,212
 Y = 699,772
 36°52'04.04"
 -101°37'43.12"
 36.8677892"
 -101.6286434"

BOTTOM HOLE LOCATION 1593' FSL & 482' FWL OF SECTION 26

NAD27:
 X = 938,462
 Y = 699,659
 36°52'03.01"
 -101°37'45.84"
 36.8675015"
 -101.6293992"
 NAD83:
 X = 906,860
 Y = 699,690
 36°52'03.10"
 -101°37'47.42"
 36.8675270"
 -101.6298376"

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

LINE	GRID AZ	DISTANCE
SL-BHL	256°51'	362'

WELL NAME	DISTANCE TO BHL
WHMU #2	3029'
WHMU #112	2294'
WHMU #202	2997'
WHMU #212	2028'
WHMU #222	3705'
WHMU #3	2269'
WHMU #113	4486'
WHMU #203	4927'
WHMU #203	3545'
WHMU #4	4475'
WHMU #104	438'
WHMU #204	4623'
WHMU #5	2844'
WHMU #205	3221'
WHMU #225	5252'
WHMU #6	359'
WHMU #206 BHL	1065'
WHMU #7	1734'
WHMU #207	1824'
WHMU #8	4242'
WHMU #273	1206'
WHMU #75	2975'
WHMU #275	4032'
WHMU #98	372'
DELONG #1	2597'

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.

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: _____

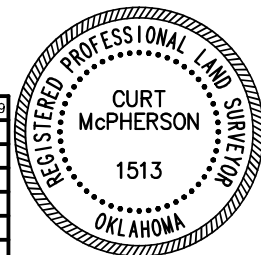
DATED: 4/27/2022

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 Geospatial Data, Inc.
 LAND SURVEYING • GIS
 BEYOND MAPPING.COM
 105 HACKBERRY TRAIL • CANADIAN, TX 78014
 (806) 323-9773 • TEXAS FIRM NO. 10010100
 CERT. OF AUTH. NO. 7796, EXP. JUNE 30, 2022

**BREITBURN
 OPERATING, LP**

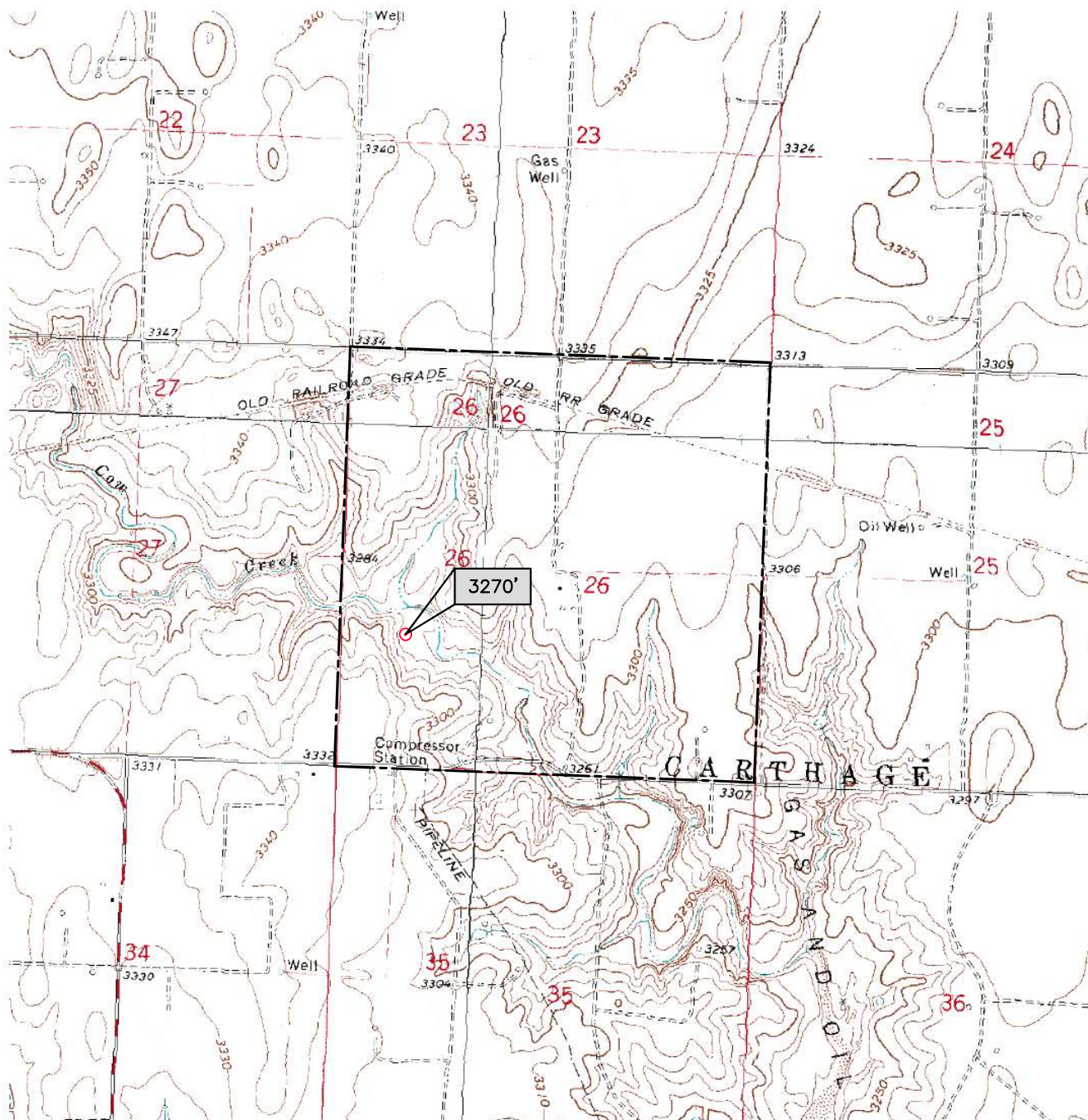
1111 BAGBY STREET • SUITE 1600
 HOUSTON, TX 77002

WEST HOUGH MORROW UNIT #9
 FIELD: JT,KB,GPS
 DRAWN: MLS
 DATE: 4/25/2022
 CHECKED: CBM
 SHEET: 1 OF 4
 REVISION: 4/27/2022
 LEASE NAME
 JOB NO. C222-032-1



ELEVATION VERIFICATION

COMPANY BREITBURN OPERATING, LP LEASE WEST HOUGH MORROW UNIT WELL NO. 9
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NOTE:

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

Scale 1" = 2000'



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BREITBURN OPERATING, LP

1111 BAGBY STREET • SUITE 1600
HOUSTON, TX 77002

WEST HOUGH MORROW UNIT #9

FIELD:	JT,KB,GPS
DRAWN:	MLS
DATE:	4/25/2022
CHECKED:	CBM
SHEET:	2 OF 4
REVISION:	4/27/2022
LEASE NAME	JOB NO. C222-032-2

AERIAL PLAT

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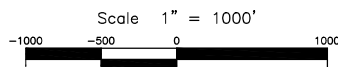
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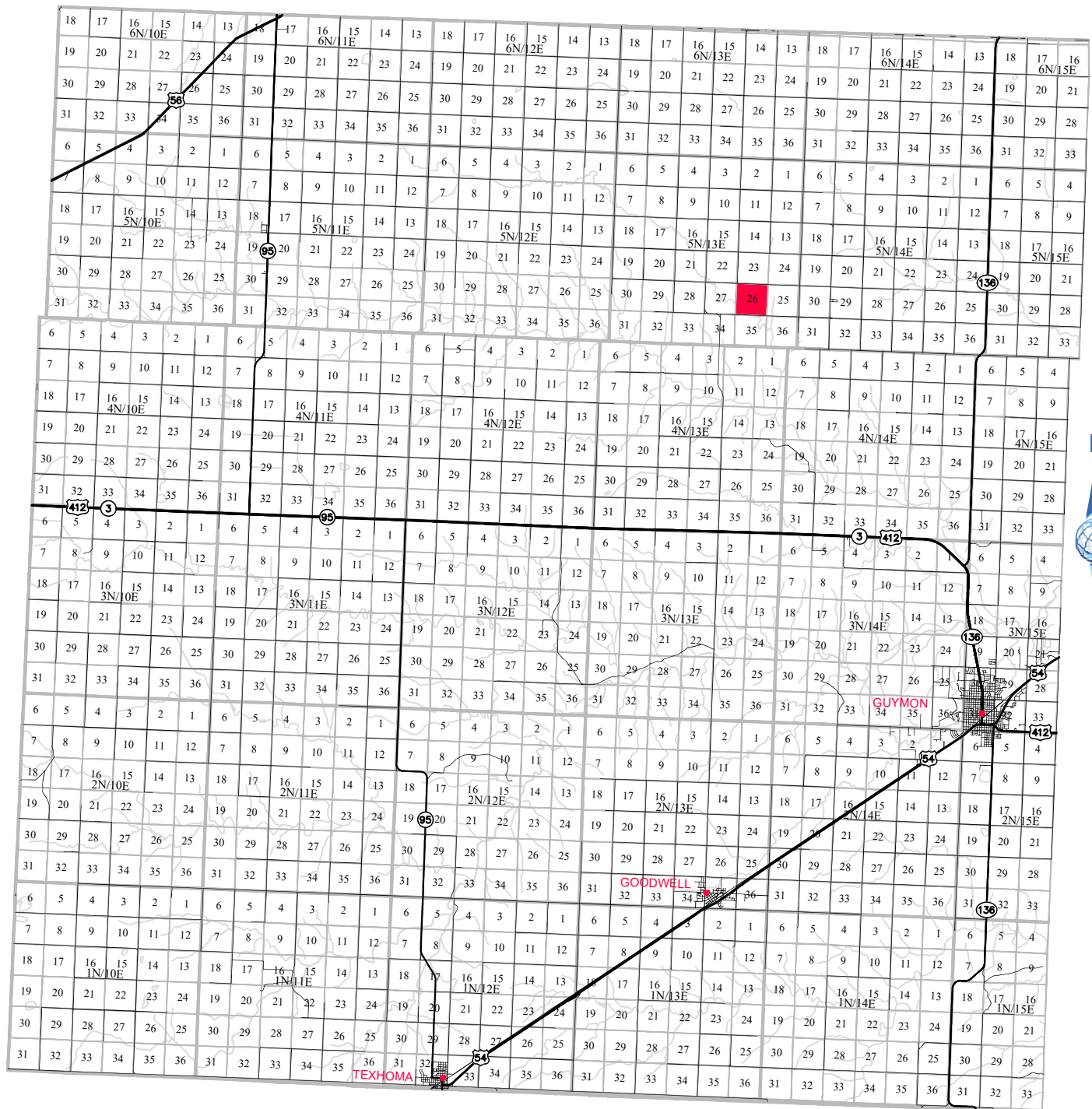
**BREITBURN
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WEST HOUGH MORROW UNIT #9	
FIELD:	JT,KB,GPS
DRAWN:	MLS
DATE:	4/25/2022
CHECKED:	CBM
SHEET:	3 OF 4
REVISION:	4/27/2022
LEASE NAME	JOB NO. C222-032-3

VICINITY MAP

COMPANY BREITBURN OPERATING, LP LEASE WEST HOUGH MORROW UNIT WELL NO. 9
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DRAWN:	MLS
DATE:	4/25/2022
CHECKED:	CBM
SHEET:	4 OF 4
REVISION: 4/27/2022	
LEASE NAME	JOB NO. C222-032-4