

API NUMBER: 139 24646

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: 34 Township: 5N Range: 13EC County: TEXAS

SPOT LOCATION: ☐ NW ☐ SE ☐ NW ☐ NE
FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 801 1718

Lease Name: WEST HOUGH MORROW UNIT Well No: 8 Well will be 801 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

ALLIE M MITCHELL HEIRS
C/O MARVIN LUNSFORD
1915 CHISHOLM DR.
GUYMON OK 73942

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

Name	Code	Depth
1 MORROW	402MRRW	6155

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: 3340

Surface Casing: 1650

Depth to base of Treatable Water-Bearing FM: 550

Deep surface casing has been approved

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: 22-38314

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: 34 Township: 5N Range: 13E Meridian: CM
County: TEXAS

Measured Total Depth: 6460

Spot Location of End Point: NW SW NE NE

True Vertical Depth: 6400

Feet From: NORTH 1/4 Section Line: 939

End Point Location from
Lease, Unit, or Property Line: 939

Feet From: EAST 1/4 Section Line: 1112

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.

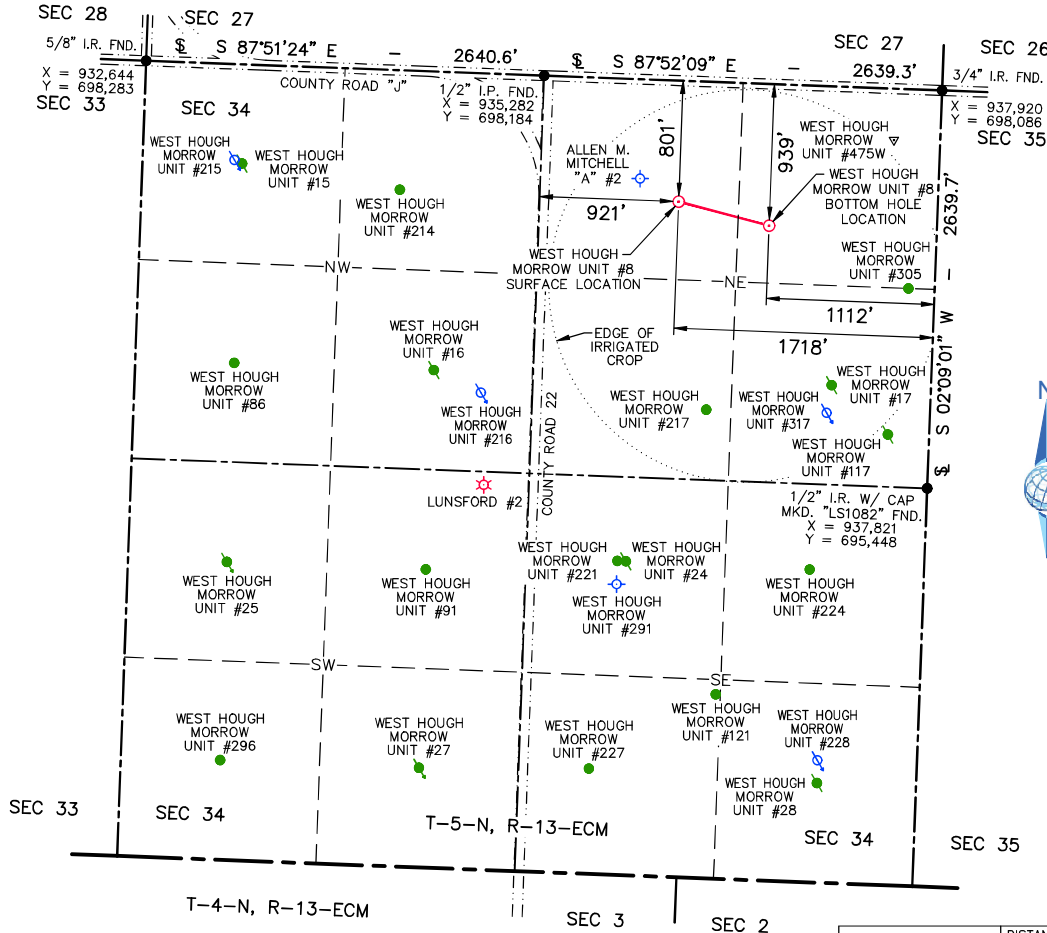
Category	Description
DEEP SURFACE CASING	[5/13/2022 - GC2] - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	[5/13/2022 - GC2] - OCC 165:10-3-10 REQUIRES: 1) NOTICE SHALL BE GIVEN 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/61974 ALLOWS COMMINGLE OF 2 OR MORE MRRW CSS IN WEST HOUGH MORROW UNIT

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139 24646 WEST HOUGH MORROW UNIT 8

PROPOSED NEW WELL LOCATION PLAT

COMPANY BREITBURN OPERATING, LP LEASE WEST HOUGH MORROW UNIT WELL NO. 8
 SECTION 34 TOWNSHIP 5-N RANGE 13-ECM LOCATION 801' FNL 1718' FEL
 COUNTY TEXAS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION CORN STUBBLE IN IRRIGATION CIRCLE
 LATITUDE 36°51'39.33" LONGITUDE -101°38'12.91" NAD27 ELEVATION 3340' NGVD29 DATE STAKED 5/5/2022
 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
 ● PROPOSED OIL/GAS
 ▼ PROPOSED INJECTION

SURFACE LOCATION
 801' FNL & 1718' FEL
 OF SECTION 34
 NAD27:
 X = 936,173
 Y = 697,349
 36°51'39.33"
 -101°38'12.91"
 36.8609247"
 -101.6369200"
 NAD83:
 X = 904,571
 Y = 697,379
 36°51'39.42"
 -101°38'14.49"
 36.8609500"
 -101.6373584"

BOTTOM HOLE LOCATION
 939' FNL & 1112' FEL
 OF SECTION 34
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 X = 936,773
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 36°51'37.97"
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 Y = 697,220
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OKLA. COORDINATE SYSTEM
 NAD-27
 OKLAHOMA NORTH ZONE
 U.S. FEET

WEST HOUGH MORROW UNIT #8
 LINE GRID AZ DISTANCE
 SL-BHL 104°54' 621'

WELL NAME	DISTANCE TO BHL
WHMU #475W	1003'
WHMU #214	2460'
WHMU #15	3518'
WHMU #215	3571'
WHMU #16	2420'
WHMU #216	2208'
WHMU #17	1135'
WHMU #117	1592'
WHMU #217	1289'
WHMU #317	1298'
WHMU #121	3126'
WHMU #221	2439'
WHMU #24	2419'
WHMU #224	2295'
WHMU #25	4230'
WHMU #27	4278'
WHMU #227	3792'
WHMU #28	3708'
WHMU #228	3558'
WHMU #86	3661'
WHMU #91	3221'
WHMU #291	2583'
WHMU #296	5079'
WHMU #305	1013'
LUNSFORD #2	2555'
A. M. MITCHELL "A" #2	911'

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.

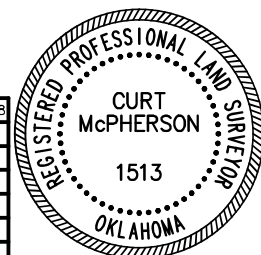
SIGNED: _____

DATED: 5/10/2022



BREITBURN OPERATING, LP
 1111 BAGBY STREET • SUITE 1600
 HOUSTON, TX 77002

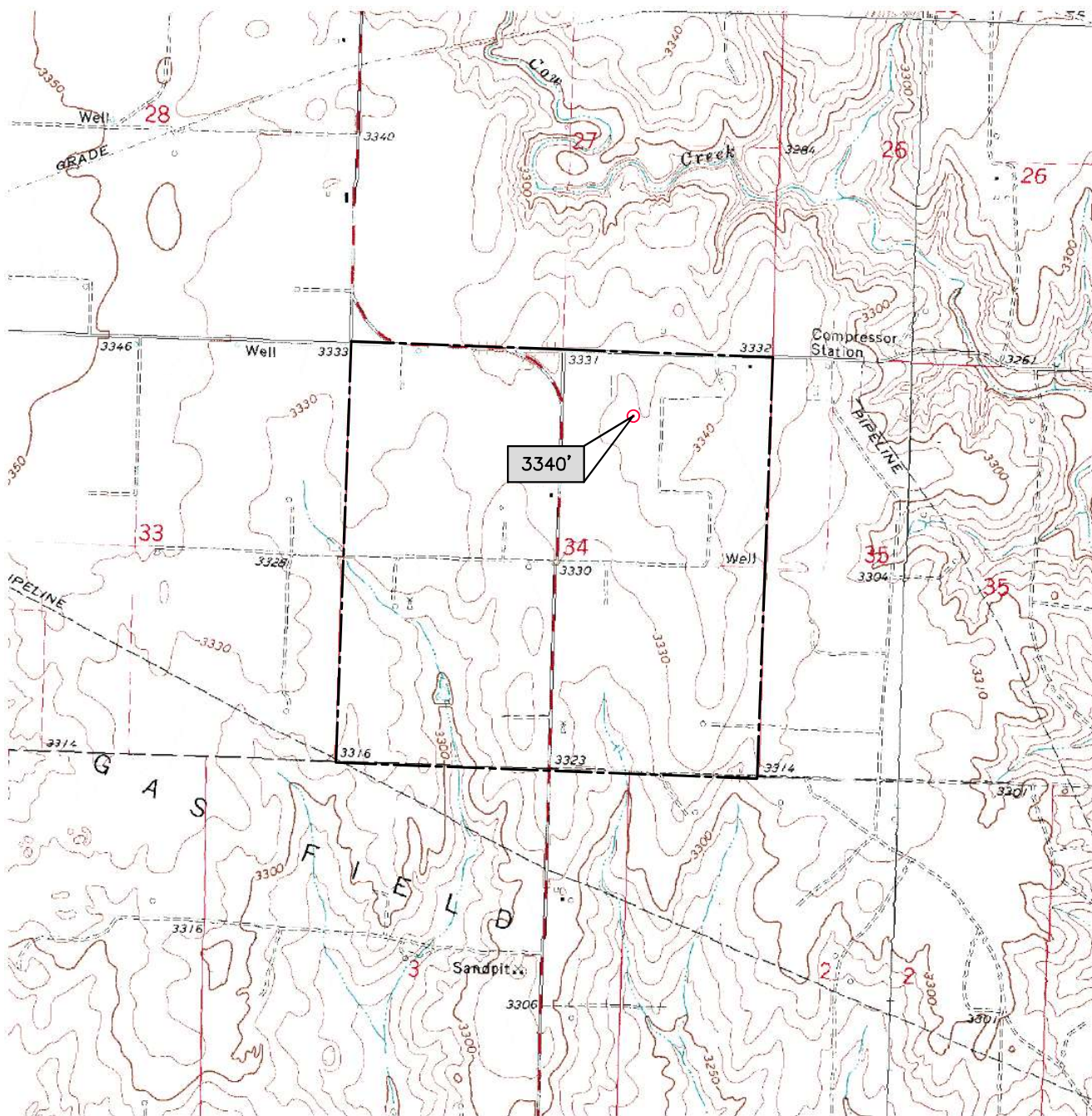
WEST HOUGH MORROW UNIT #8
 FIELD: KB,GPS
 DRAWN: MLS
 DATE: 5/10/2022
 CHECKED: CBM
 SHEET: 1 OF 4
 REVISION:



JOB NO. C222-037-1.1

ELEVATION VERIFICATION

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NOTE:

1. Topographic map data shown is from the USGS HTMC Topo 1:24000 HOUGH SW, OK 1973 map. Contour interval is 10 feet. 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

WEST HOUGH MORROW UNIT #8

FIELD:	KB,GPS
DRAWN:	MLS
DATE:	5/10/2022
CHECKED:	CBM
SHEET:	2 OF 4
REVISION:	

JOB NO. C222-037-2.1

AERIAL PLAT

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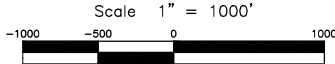
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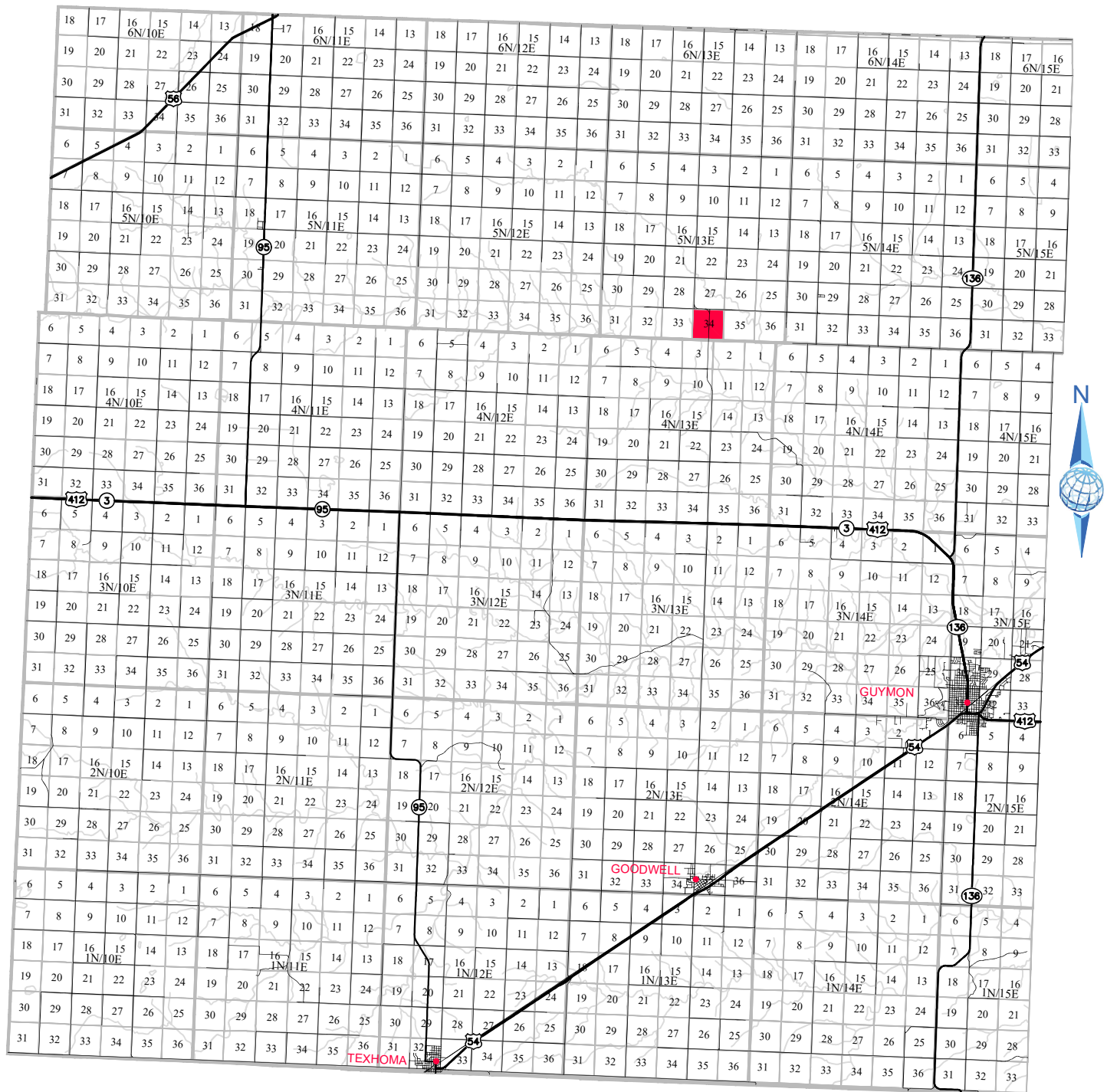
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 SHEET: 3 OF 4
 REVISION:

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VICINITY MAP

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REVISION:	

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