

API NUMBER: 139 24643

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

Approval Date: 05/18/2022

Expiration Date: 11/18/2023

Straight Hole

Injection

PERMIT TO DRILL

WELL LOCATION: Section: 34 Township: 5N Range: 13EC County: TEXAS

SPOT LOCATION: ☐ SE ☐ NE ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 341 307

Lease Name: WEST HOUGH MORROW UNIT

Well No: 475W

Well will be 307 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	6146

Spacing Orders: No Spacing

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: 6450

Ground Elevation: 3336

Surface Casing: 780

Depth to base of Treatable Water-Bearing FM: 580

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: 22-38313

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

NOTES:

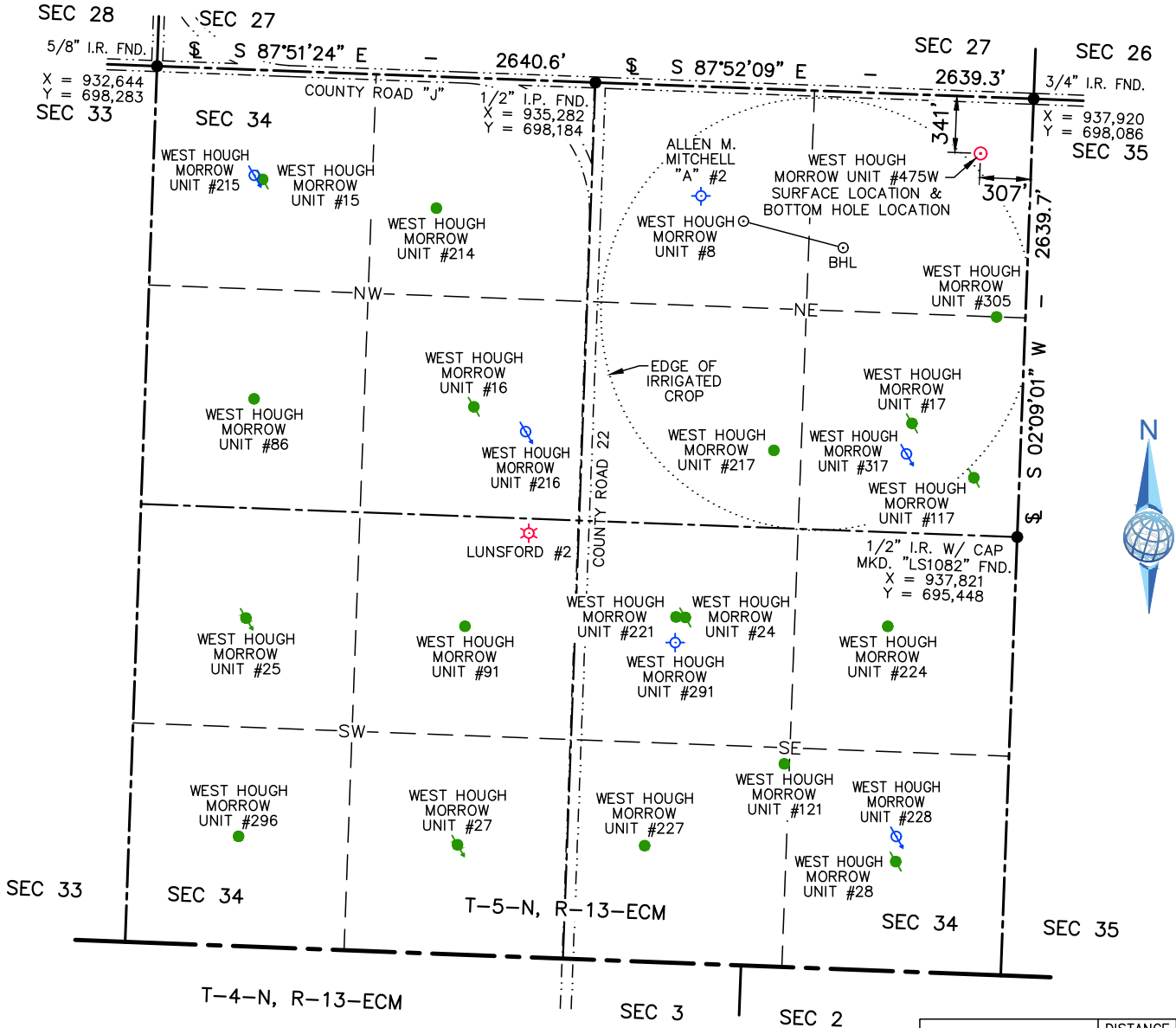
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation 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	<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	[5/18/2022 - GC2] - N/A - DISPOSAL WELL

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PROPOSED NEW WELL LOCATION PLAT

COMPANY BREITBURN OPERATING, LP LEASE WEST HOUGH MORROW UNIT WELL NO. 475W
SECTION 34 TOWNSHIP 5-N RANGE 13-ECM LOCATION 341' FNL 307' FEL
COUNTY TEXAS STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE ABUTTING IRRIGATION CIRCLE
LATITUDE 36°51'43.89" LONGITUDE -101°37'55.55" NAD27 ELEVATION 3336' NGVD29 DATE STAKED 4/26/2022
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

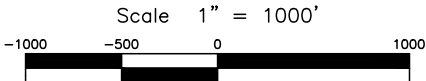
SURFACE LOCATION & BOTTOM HOLE LOCATION
341' FNL & 307' FEL
OF SECTION 34

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

NAD27:
X = 937,600
Y = 697,757
36°51'43.89"
-101°37'55.55"
36.8621911°
-101.6320983°
NAD83:
X = 905,998
Y = 697,787
36°51'43.98"
-101°37'57.13"
36.8622165°
-101.6325367°

WELL NAME	DISTANCE TO BHL
WHMU #8 BHL	1003'
WHMU #214	3292'
WHMU #15	4324'
WHMU #215	4374'
WHMU #16	3410'
WHMU #216	3209'
WHMU #17	1676'
WHMU #117	1952'
WHMU #217	2178'
WHMU #317	1863'
WHMU #121	3859'
WHMU #221	3338'
WHMU #24	3310'
WHMU #224	2901'
WHMU #25	5232'
WHMU #27	5218'
WHMU #227	4631'
WHMU #28	4293'
WHMU #228	4142'
WHMU #86	4616'
WHMU #91	4211'
WHMU #291	3471'
WHMU #296	6070'
WHMU #305	988'
LUNS福德 #2	3552'
A. M. MITCHELL "A" #2	1702'

- 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: 5/9/2022



**BREITBURN
OPERATING, LP**

1111 BAGBY STREET • SUITE 1600
HOUSTON, TX 77002

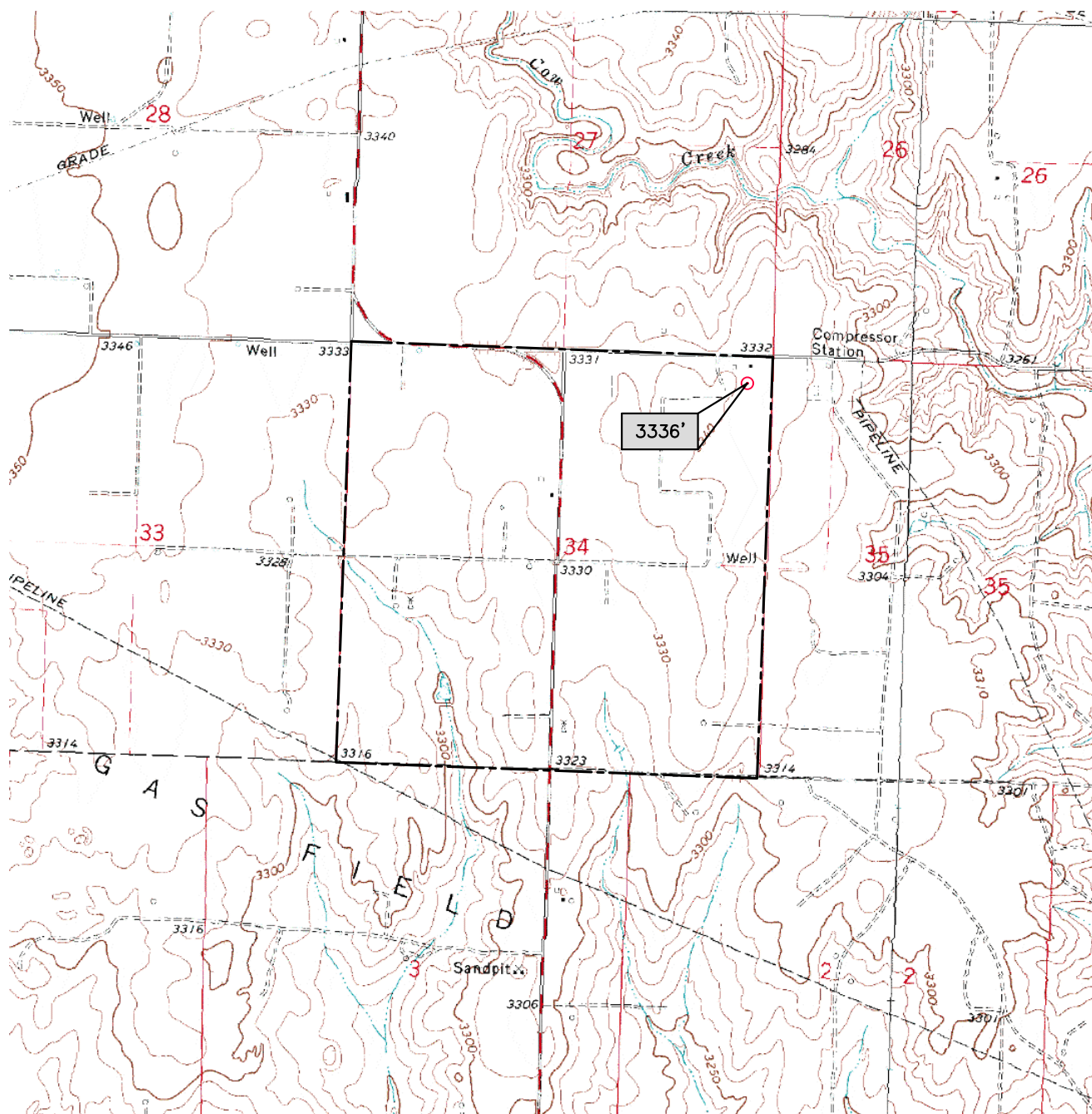
WEST HOUGH MORROW UNIT #475W
FIELD: JT,KB,GPS
DRAWN: MLS
DATE: 4/26/2022
CHECKED: CBM
SHEET: 1 OF 4
REVISION: 5/9/2022
BHL LABEL



JOB NO. C222-036-1.1

ELEVATION VERIFICATION

COMPANY BREITBURN OPERATING, LP LEASE WEST HOUGH MORROW UNIT WELL NO. 475W
 SECTION 34 TOWNSHIP 5-N RANGE 13-ECM LOCATION 341' FNL 307' FEL
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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'



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 #475W

FIELD: JT,KB,GPS

DRAWN: MLS

DATE: 4/26/2022

CHECKED: CBM

SHEET: 2 OF 4

REVISION: 4/27/2022

LEASE NAME

JOB NO.

C222-036-2.1

AERIAL PLAT

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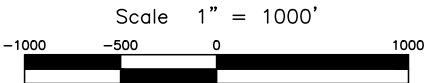
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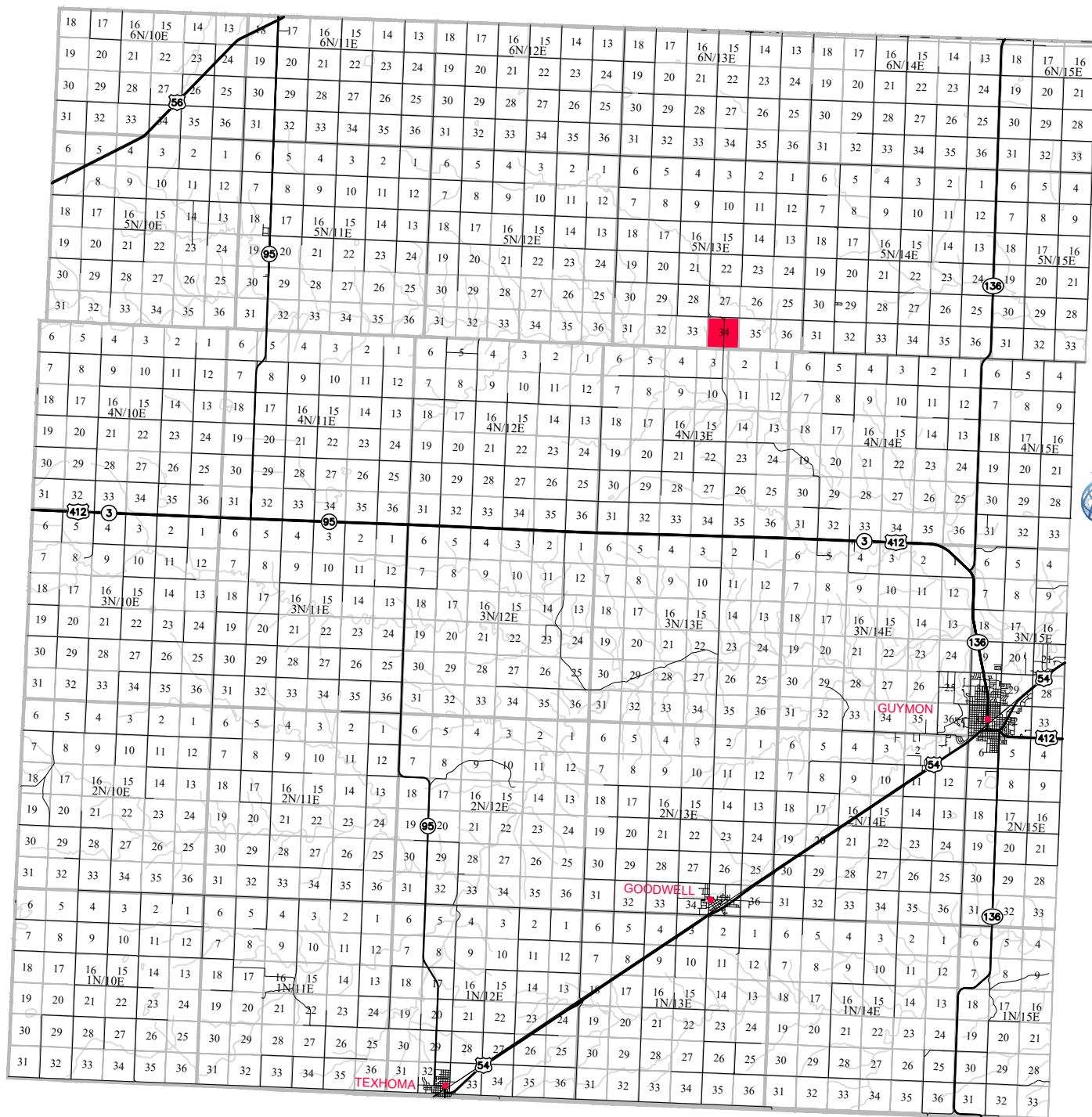
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CHECKED:	CBM
SHEET:	3 OF 4
REVISION: 5/9/2022	
BHL LABEL	

JOB NO. C222-036-3.1

VICINITY MAP

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LAND SURVEYING • GIS
BEYONDMAPPING.COM
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LEASE NAME

JOB NO.

C222-036-4.1