

API NUMBER: 017 25704

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

Approval Date: 08/27/2021  
Expiration Date: 02/27/2023

Horizontal Hole Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 04 Township: 11N Range: 6W County: CANADIAN

SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 229 2425

Lease Name: COGBURN 1106 4 Well No: 2MH Well will be 229 feet from nearest unit or lease boundary.  
Operator Name: REVOLUTION OPERATING COMPANY LLC Telephone: 4055345232 OTC/OCC Number: 24513 0

REVOLUTION OPERATING COMPANY LLC  
14301 CALIBER DR STE 110  
OKLAHOMA CITY, OK 73134-1016

JOHNSON, LARRY DALE, KENDALL WAYNE &  
8609 NW 105TH STREET  
OKLAHOMA CITY OK 73162

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	9200

Spacing Orders: 665588

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202101386  
202101384

Working interest owners' notified: \*\*\*

Special Orders: No Special

Total Depth: 14250 Ground Elevation: 1355

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 430

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: 21-37781

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: 5000 Average: 3000  
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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

**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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

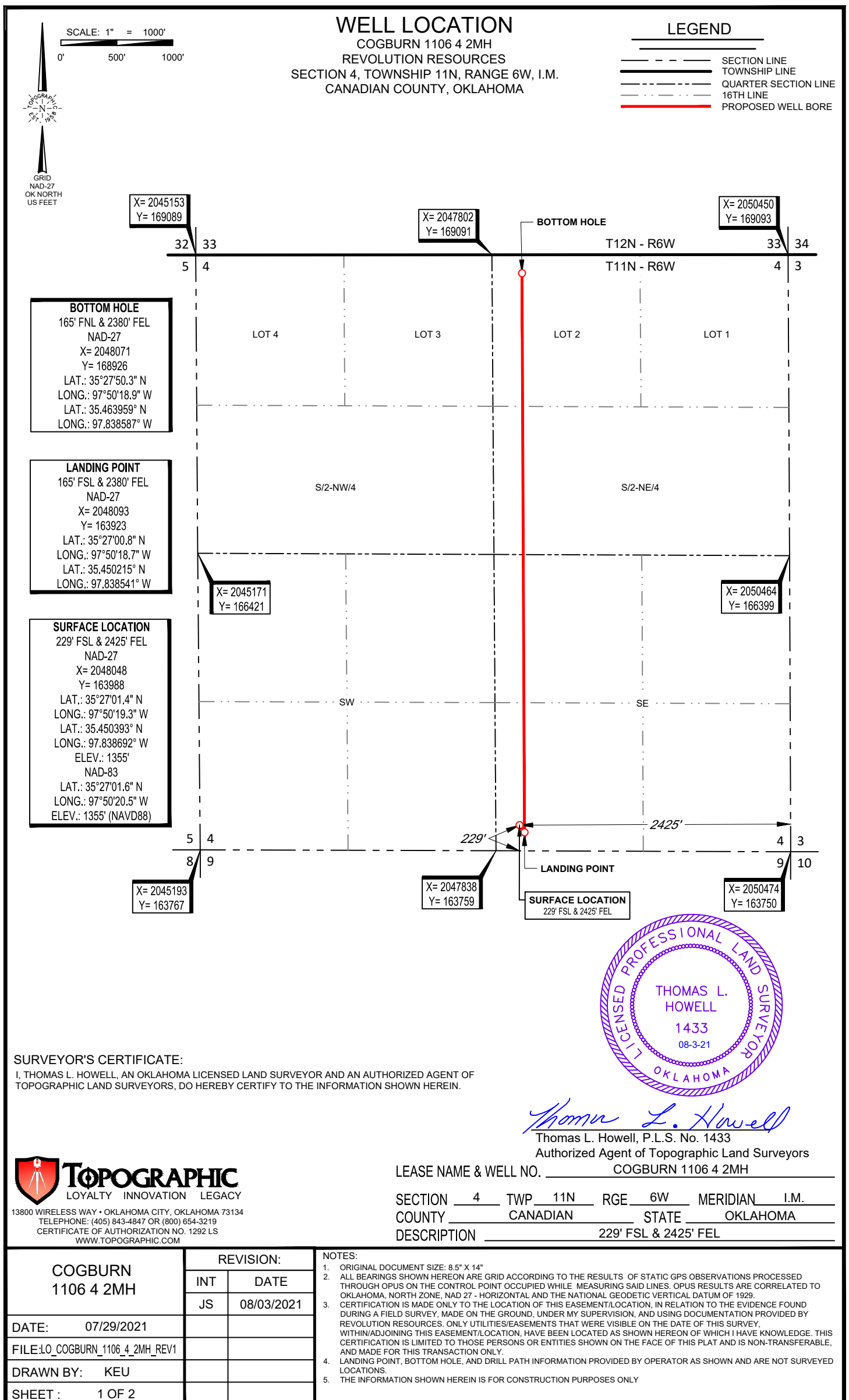
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation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

**HORIZONTAL HOLE 1**

Section: 4	Township: 11N	Range: 6W	Meridian: IM	Total Length: 4707
County: CANADIAN				Measured Total Depth: 14250
Spot Location of End Point: NW NW NW NE				True Vertical Depth: 9200
Feet From: <b>NORTH</b>		1/4 Section Line: 165		End Point Location from
Feet From: <b>EAST</b>		1/4 Section Line: 2380		Lease, Unit, or Property Line: 165

**NOTES:**

Category	Description
DEEP SURFACE CASING	[8/24/2021 - 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>[8/24/2021 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
MEMO	[8/24/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202101384	<p>[8/27/2021 - GC2] - 4-11N-6W</p> <p>X665588 MSSP</p> <p>2 WELLS</p> <p>NO OP NAMED</p> <p>REC. 8-10-2021 (HUBER)</p>
PENDING CD - 202101386	<p>[8/27/2021 - GC2] - (I.O.) 4-11N-6W</p> <p>X665588 MSSP, OTHERS</p> <p>COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1320' FEL/FWL</p> <p>NO OP. NAMED</p> <p>REC. 8-10-2021 (HUBER)</p>
SPACING - 665588	<p>[8/27/2021 - GC2] - (640)(HOR) 4-11N-6W</p> <p>EST MSSP, OTHERS</p> <p>COMPL. INT. NLT 660' FB</p> <p>(COEXIST WITH SP 141293 MISS, OTHER &amp; SP 141778 MISS, OTHER)</p>

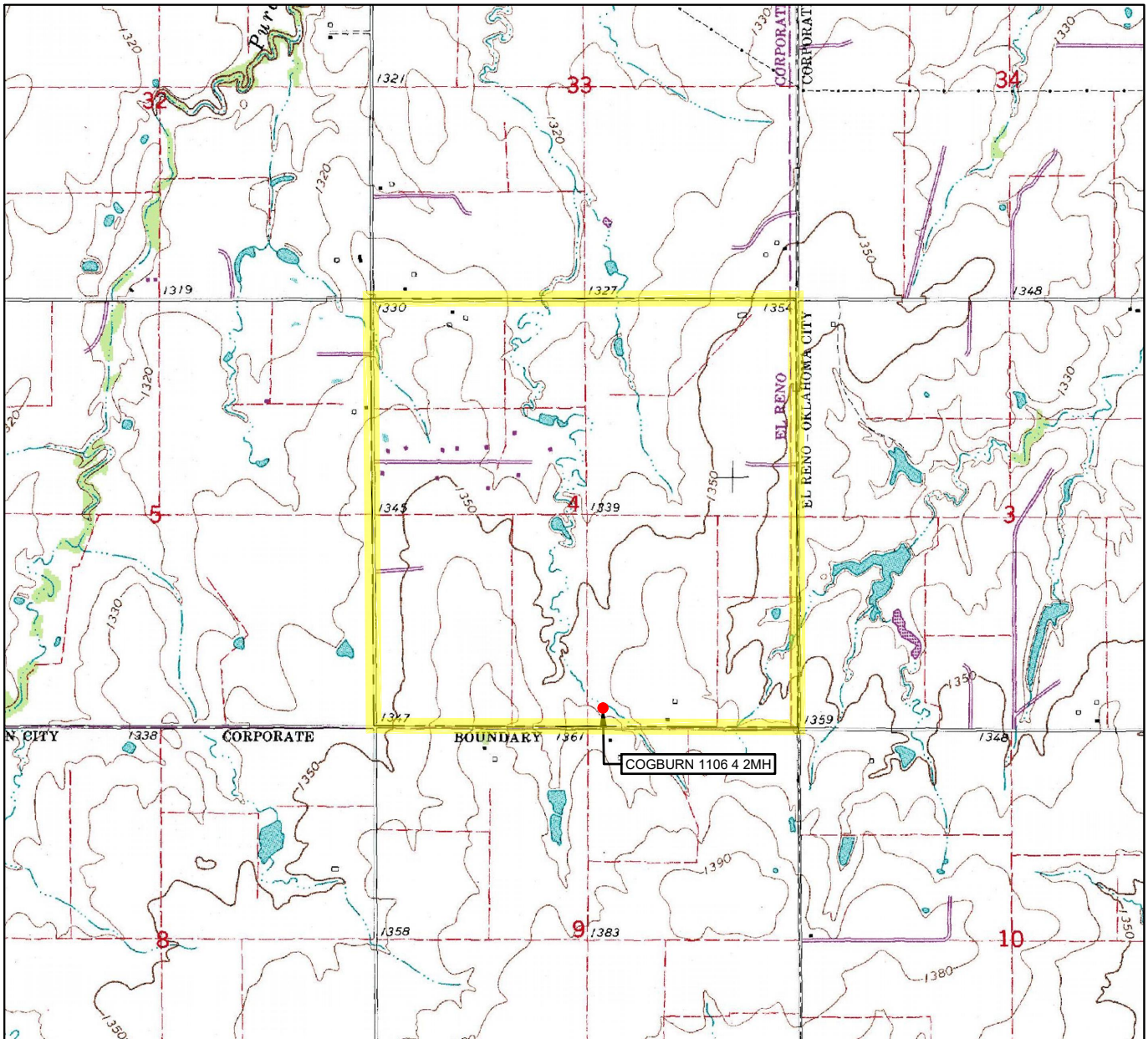








# LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. COGBURN 1106 4 2MH

SECTION 4 TWP 11N RGE 6W MERIDIAN I.M.

COUNTY CANADIAN STATE OKLAHOMA

DESCRIPTION 229' FSL & 2425' FEL

ELEVATION 1355' (NGVD29)

ELEVATION 1355' (NAVD88)

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY REVOLUTION RESOURCES. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1927, U.S. SURVEY FEET AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.



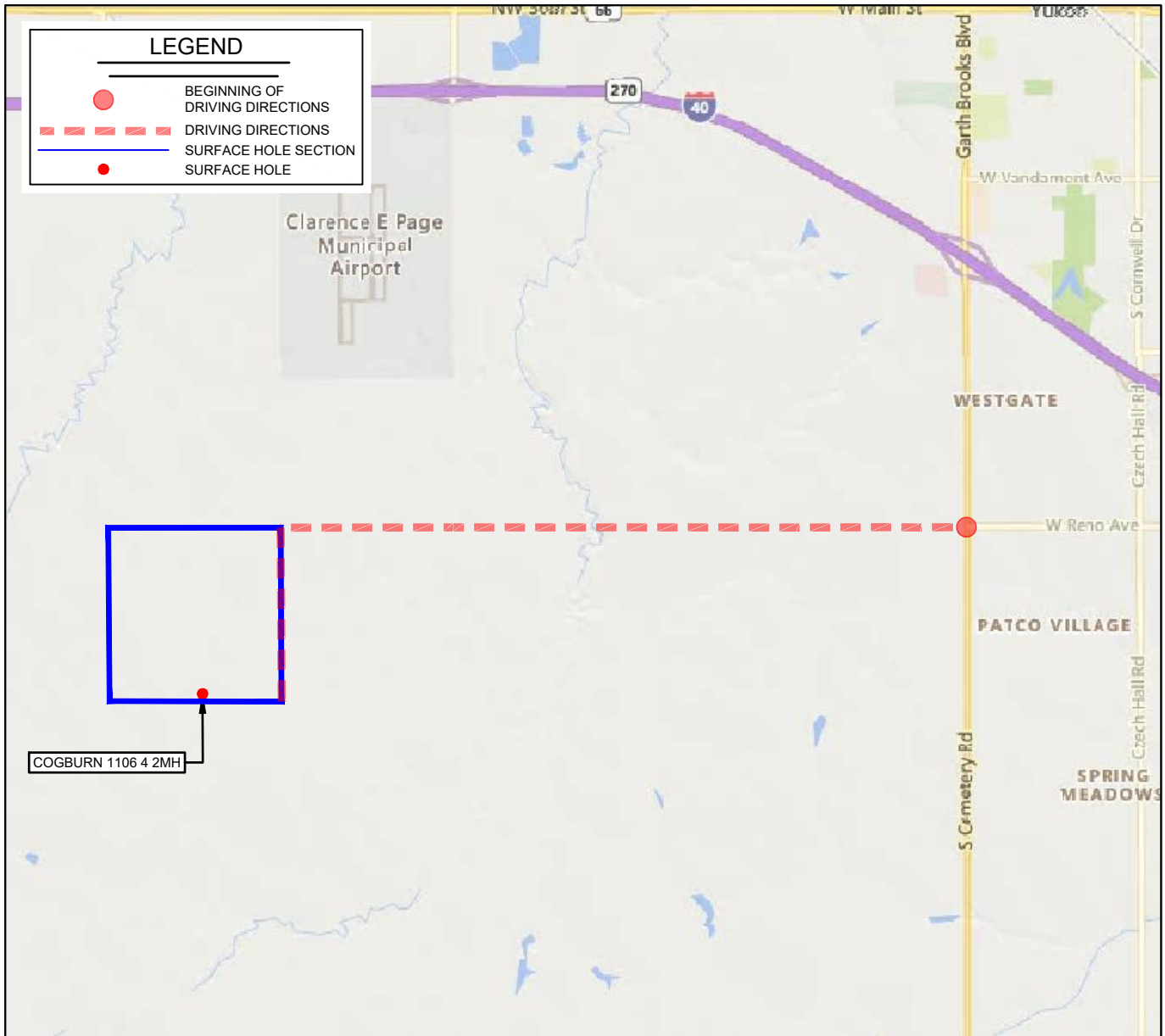
SCALE: 1" = 2000'  
0' 1000' 2000'



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134  
TELEPHONE: (405) 843-4847 OR (800) 654-3219  
CERTIFICATE OF AUTHORIZATION NO. 1292 LS  
WWW.TOPOGRAPHIC.COM

## VICINITY MAP



LEASE NAME & WELL NO. COGBURN 1106 4 2MH

SECTION 4 TWP 11N RGE 6W MERIDIAN I.M.

COUNTY CANADIAN STATE OKLAHOMA

DESCRIPTION 229' FSL & 2425' FEL

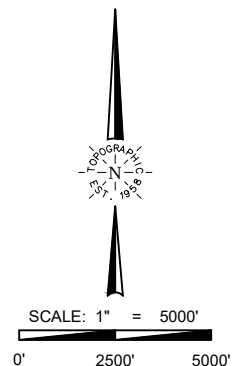
DISTANCE & DIRECTION

FROM THE INTERSECTION OF N. CEMETERY RD. & W. RENO AVE. GO  
±4.0 MI. WEST ON W. RENO AVE., THEN ±1.0 MI. SOUTH ON S.

GREGORY RD. TO THE SOUTHEAST CORNER OF SECTION  
4-T11N-R6W.

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