

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

API NUMBER: 073 26645 A

Approval Date: 08/24/2021

Expiration Date: 02/24/2023

Horizontal Hole Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 29 Township: 18N Range: 6W County: KINGFISHER

SPOT LOCATION:  SW  SE  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 238 344

Lease Name: EUGENE 29-18-6 Well No: 4H Well will be 238 feet from nearest unit or lease boundary.

Operator Name: TAPSTONE ENERGY LLC Telephone: 4057021600 OTC/OCC Number: 24505 0

TAPSTONE ENERGY LLC  
PO BOX 1608  
OKLAHOMA CITY, OK 73101-1608

EDWARD EUGENE THEIMS  
1109 SOUTH 11TH STREET  
KINGFISHER OK 73750

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

Name	Code	Depth
1 OSWEGO	404OSWG	6476

Spacing Orders: 647840 Location Exception Orders: 702117 714529 702118 714530 Increased Density Orders: 702116 714584

Pending CD Numbers: 201904117  
201904118  
201904115

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

Special Orders: No Special

Total Depth: 11700 Ground Elevation: 1108 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 130

Deep surface casing has been approved

**Approved Method for disposal of Drilling Fluids:**  
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37121  
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: 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

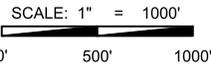
**HORIZONTAL HOLE 1**

Section: 29 Township: 18N Range: 6W Meridian: IM Total Length: 4700  
County: KINGFISHER Measured Total Depth: 11700  
Spot Location of End Point: NW NE NE NE True Vertical Depth: 6497  
Feet From: NORTH 1/4 Section Line: 250 End Point Location from  
Feet From: EAST 1/4 Section Line: 355 Lease, Unit, or Property Line: 250

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.

NOTES:	
Category	Description
DEEP SURFACE CASING	[8/9/2021 - 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	[8/9/2021 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a> ; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
INCREASED DENSITY - 702116	[8/10/2021 - GB1] - 29-18N-6W X647840 OSWG 1 WELL CHESAPEAKE OPERATING, LLC 9-12-2019
INCREASED DENSITY - 714584	[8/10/2021 - GB1] - EXT OF TIME FOR ORDER # 702116 UNTIL 9/12/21
LOCATION EXCEPTION - 702117 (201904117)	[8/10/2021 - GB1] - (I.O.) 29-18N-6W X647840 OSWG COMPL INT NCT 0' FNL, NCT 330' FSL, NCT 330' FEL NO OP NAMED 9-12-2019
LOCATION EXCEPTION - 702118 (201904118)	[8/10/2021 - GB1] - (I.O.) 29-18N-6W X165:10-3-28(C)(2)(B) OSWG MAY BE CLOSER THAN 600' TO EARL THIEMS 1 API 073-20155 CHESAPEAKE OPERATING, LLC 9/12/19
LOCATION EXCEPTION - 714529 (201904117)	[8/10/2021 - GB1] - EXT OF TIME FOR ORDER #702117 UNTIL 9-12-21
LOCATION EXCEPTION - 714530 (201904118)	[8/10/2021 - GB1] - EXT OF TIME FOR ORDER #702118 UNTIL 9/12/21
PENDING CD - 201904115	[8/24/2021 - GB1] - EXT OF TIME FOR ORDER #702116 UNTIL 9/12/22 FOR TAPSTONE ENERGY, LLC REC 8/24/21 (P. PORTER)
PENDING CD - 201904117	[8/24/2021 - GB1] - EXT OF TIME FOR ORDER #702117 UNTIL 9/12/22 FOR TAPSTONE ENERGY, LLC REC 8/24/21 (P. PORTER)
PENDING CD - 201904118	[8/24/2021 - GB1] - EXT OF TIME FOR ORDER #702118 UNTIL 9/12/22 FOR TAPSTONE ENERGY, LLC REC 8/24/21 (P. PORTER)
SPACING - 647840	[8/10/2021 - GB1] - (640)(HOR) 29-18N-6W EST OSWG, OTHER COMPL INT NCT 660' FB (COEXIST SP #53420 OSWG)

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# WELL LOCATION

EUGENE 29-18-6 4H  
TAPSTONE ENERGY, LLC.  
SECTION 29, TOWNSHIP 18N, RANGE 6W, I.M.  
KINGFISHER COUNTY, OKLAHOMA

EXISTING WELLS PLOTTED PER OCC RECORDS,  
NOT SURVEYED IN THE FIELD

## LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- 16TH LINE
- PROPOSED WELL BORE
- \*
- EXISTING WELL

NAD-27  
X= 2037955  
Y= 369505  
NAD-83  
X= 2006356  
Y= 369529

NAD-27  
X= 2043261  
Y= 369422  
NAD-83  
X= 2011662  
Y= 369446

**BOTTOM HOLE**  
250' FNL & 355' FEL  
NAD-27  
X= 2042904  
Y= 369178  
LAT.: 36°00'50.8" N  
LONG.: 97°51'17.8" W  
LAT.: 36.014117° N  
LONG.: 97.854933° W  
NAD-83  
X= 2011304  
Y= 369202  
LAT.: 36°00'51.0" N  
LONG.: 97°51'19.0" W  
LAT.: 36.014156° N  
LONG.: 97.855266° W

NAD-27  
X= 2040603  
Y= 369465  
NAD-83  
X= 2009004  
Y= 369489

NAD-27  
X= 2043235  
Y= 366792  
NAD-83  
X= 2011636  
Y= 366816

NAD-27  
X= 2037958  
Y= 366869  
NAD-83  
X= 2006359  
Y= 366893

NAD-27  
X= 2040583  
Y= 364184  
NAD-83  
X= 2008984  
Y= 364208

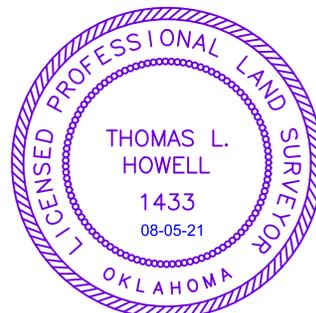
NAD-27  
X= 2037960  
Y= 364226  
NAD-83  
X= 2006361  
Y= 364249

**LANDING POINT**  
330' FSL & 355' FEL  
NAD-27  
X= 2042857  
Y= 364490  
LAT.: 36°00'04.5" N  
LONG.: 97°51'18.4" W  
LAT.: 36.001238° N  
LONG.: 97.855114° W  
NAD-83  
X= 2011258  
Y= 364514  
LAT.: 36°00'04.6" N  
LONG.: 97°51'19.6" W  
LAT.: 36.001278° N  
LONG.: 97.855447° W

**SURFACE LOCATION**  
238' FSL & 344' FEL  
NAD-27  
X= 2042867  
Y= 364398  
LAT.: 36°00'03.5" N  
LONG.: 97°51'18.3" W  
LAT.: 36.000985° N  
LONG.: 97.855081° W  
ELEV.: 1108' (NGVD29)  
NAD-83  
X= 2011268  
Y= 364422  
LAT.: 36°00'03.7" N  
LONG.: 97°51'19.5" W  
LAT.: 36.001025° N  
LONG.: 97.855413° W  
ELEV.: 1108' (NAVD88)

**SURFACE LOCATION**  
238' FSL & 344' FEL

NAD-27  
X= 2043209  
Y= 364156  
NAD-83  
X= 2011610  
Y= 364180



Thomas L. Howell

**SURVEYOR'S CERTIFICATE:**  
I, THOMAS L. HOWELL, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

SCALE: 1" = 1000'  
 0' 500' 1000'

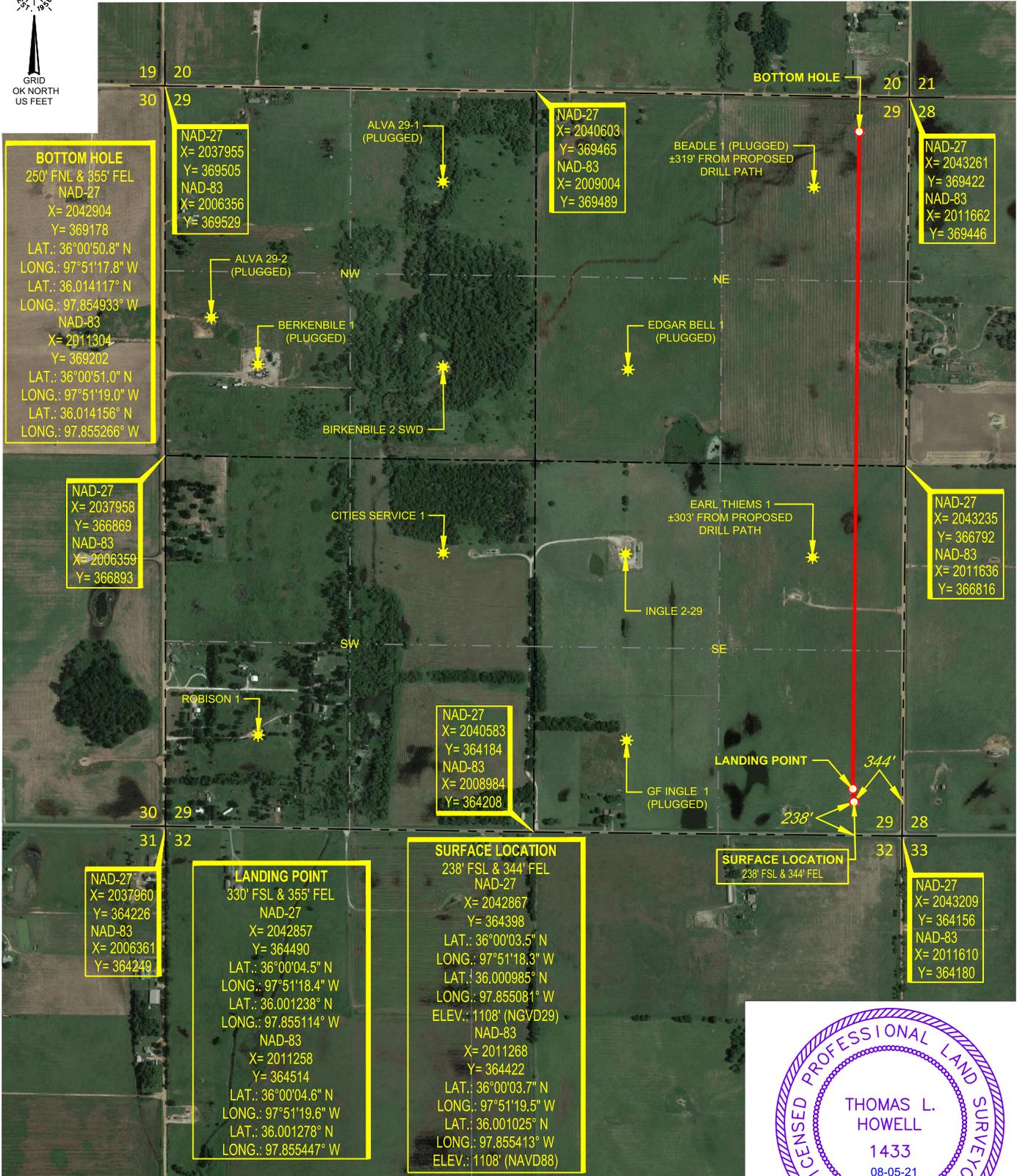


# WELL LOCATION

EUGENE 29-18-6 4H  
 TAPSTONE ENERGY, LLC.  
 SECTION 29, TOWNSHIP 18N, RANGE 6W, I.M.  
 KINGFISHER COUNTY, OKLAHOMA

## LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- 16TH LINE
- PROPOSED WELL BORE
- ★ EXISTING WELL

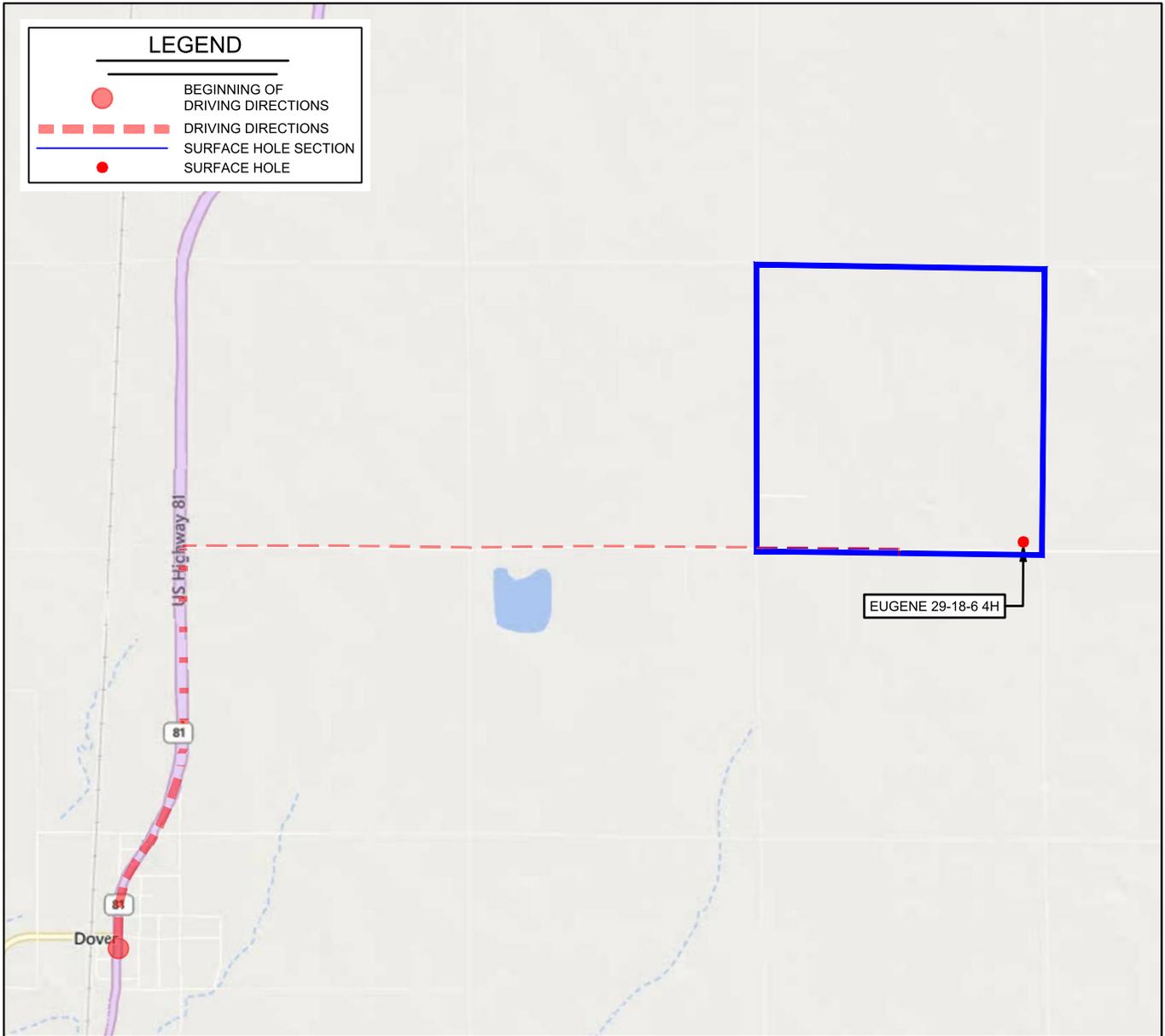


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*Thomas L. Howell*



# VICINITY MAP



LEASE NAME & WELL NO. EUGENE 29-18-6 4H

SECTION 29 TWP 18N RGE 6W MERIDIAN I.M.  
 COUNTY KINGFISHER STATE OKLAHOMA

DESCRIPTION 238' FSL & 344' FEL

DISTANCE & DIRECTION  
 FROM DOVER, OK GO ±1.65 MI. NORTH ON US-81, THEN GO ±2.25 MI.  
 EAST ON E0700 RD. TO THE SOUTH QUARTER CORNER OF SECTION  
29-T18N-R6W.

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 TAPSTONE ENERGY, LLC. 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 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.



SCALE: 1" = 3000'  
 0' 1500' 3000'

**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