

API NUMBER: 137 27619

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

Approval Date: 02/23/2021  
Expiration Date: 08/23/2022

Multi Unit Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 22 Township: 1S Range: 4W County: STEPHENS

SPOT LOCATION: ☐ SW ☐ NE ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 705 485

Lease Name: THE DUKE 0104 Well No: 23-14-1MXH Well will be 485 feet from nearest unit or lease boundary.  
Operator Name: CAMINO NATURAL RESOURCES LLC Telephone: 7204052729 OTC/OCC Number: 24097 0

CAMINO NATURAL RESOURCES LLC  
1401 17TH ST STE 1000  
DENVER, CO 80202-1247

JOHN C GILBY TRUST; BARBARA A GILBY TRUST  
PO BOX 36  
VELMA OK 73491

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

	Name	Code	Depth
1	CANEY	354CNEY	8474
2	SYCAMORE	352SCMR	8632
3	WOODFORD	319WDFD	8922

Spacing Orders: No Spacing

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: 202001653  
202001651  
202001652  
202001654  
202001655

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

Special Orders: No Special Orders

Total Depth: 19125

Ground Elevation: 965

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 290

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: 21-37534

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: BED AQUIFER

Pit Location Formation: WELLINGTON

**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: BED AQUIFER

Pit Location Formation: WELLINGTON

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## MULTI UNIT HOLE 1

Section: 14	Township: 1S	Range: 4W	Meridian: IM	Total Length: 11332
County: STEPHENS				Measured Total Depth: 19125
Spot Location of End Point: NE NW NW NW				True Vertical Depth: 9000
Feet From: <b>NORTH</b>		1/4 Section Line: 100		End Point Location from
Feet From: <b>WEST</b>		1/4 Section Line: 380		Lease, Unit, or Property Line: 100

## NOTES:

Category	Description
DEEP SURFACE CASING	[2/19/2021 - 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>[2/19/2021 - 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://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.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	[2/19/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202001651	<p>[2/22/2021 - GC2] - (640)(320)(HOR) 14 &amp; E2 15-1S-4W</p> <p>VAC OTHER</p> <p>VAC 402346 SCMR NW4 &amp; N2 SW4 14 &amp; NE4 &amp; N2 SE4 15-1S-4W</p> <p>EST SCMR 14-1S-4W (640)</p> <p>EST OTHER (320)</p> <p>COMPL. INT. (SCMR) NLT 660' FB</p> <p>REC. 1-13-2021 (MILLER)</p>
PENDING CD - 202001652	<p>[2/22/2021 - GC2] - (640)(HOR) 14-1S-4W</p> <p>VAC OTHER</p> <p>EST CNEY, WDFD</p> <p>COMPL. INT. (CNEY) NLT 660' FB</p> <p>COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL</p> <p>REC. 1-13-2021 (MILLER)</p>
PENDING CD - 202001653	<p>[2/22/2021 - GC2] - (640)(HOR) 23-1S-4W</p> <p>VAC 92200 SCMR</p> <p>VAC 345845 CNEY, WDFD</p> <p>EST CNEY, SCMR, WDFD</p> <p>COMPL. INT. (CNEY, SCMR) NLT 660' FB</p> <p>COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL</p> <p>REC. 1-13-2021 (MILLER)</p>
PENDING CD - 202001654	<p>[2/22/2021 - GC2] - (I.O.) 23 &amp; 14-1S-4W</p> <p>EST MULTIUNIT HORIZONTAL WELL</p> <p>X202001651 SCMR 14-1S-4W</p> <p>X202001652 CNEY, WDFD 14-1S-4W</p> <p>X202001653 CNEY, SCMR, WDFD 23-1S-4W</p> <p>(CNEY, WDFD ADJACENT COMMON SOURCE OF SUPPLY TO SCMR)</p> <p>50% 23-1S-4W</p> <p>50% 14-1S-4W</p> <p>NO OP NAMED</p> <p>REC. 1-13-2021 (MILLER)</p>

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.

PENDING CD - 202001655

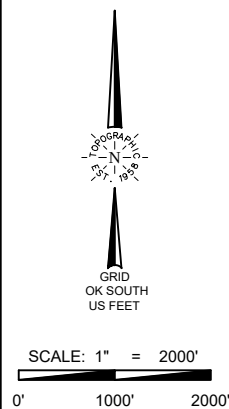
[2/22/2021 - GC2] - (I.O.) 23 & 14-1S-4W  
X202001651 SCMR 14-1S-4W  
X202001652 CNEY, WDFD 14-1S-4W  
X202001653 CNEY, SCMR, WDFD 23-1S-4W  
X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO COLE UNIT 1 F/K/A MURCHISON 8 AND  
WASHINGTON 3  
SHL (26-1S-4W) APPROX. 165' FNL, NCT 330' FEL  
COMPL INT. (23-1S-4W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL  
COMPL. INT. (14-1S-4W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL  
NO OP NAMED  
REC. 1-13-2021

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.

137 27619 THE DUKE 0104 23-14-1MXH

### LEGEND

---	SECTION LINE
- - - -	QUARTER SECTION LINE
----	16TH LINE
=====	PROPOSED WELL BORE



LAST TAKE POINT  
165' FNL & 380' FWL  
NAD-83  
X= 2090204  
Y= 416626  
LAT.: 34°28'39.0" N  
LONG.: 97°35'46.2" W  
LAT.: 34.477493° N  
LONG.: 97.596167° W  
NAD-27  
X= 2121799  
Y= 416584  
LAT.: 34°28'38.7" N  
LONG.: 97°35'45.1" W  
LAT.: 34.477409° N  
LONG.: 97.595862° W

SURFACE LOCATION  
705' FSL & 485' FEL  
NAD-83  
X= 2089373  
Y= 406895  
LAT.: 34°27'02.7" N  
LONG.: 97°35'56.6" W  
LAT.: 34.450763° N  
LONG.: 97.599055° W  
ELEV.: 965' (NAVD88)  
NAD-27  
X= 2120968  
Y= 406853  
LAT.: 34°27'02.4" N  
LONG.: 97°35'55.5" W  
LAT.: 34.450679° N  
LONG.: 97.598750° W  
ELEV.: 964' (NGVD29)

NAD-83  
X= 2087213  
Y= 406182  
NAD-27  
X= 2118808  
Y= 406139

NAD-83  
X= 2089824  
Y= 416792  
NAD-27  
X= 2121419  
Y= 416750

NAD-83  
X= 2092465  
Y= 416786  
NAD-27  
X= 2124060  
Y= 416743

NAD-83  
X= 2095106  
Y= 416779  
NAD-27  
X= 2126701  
Y= 416736

NAD-83  
X= 2089833  
Y= 414142  
NAD-27  
X= 2121428  
Y= 414100

NAD-83  
X= 2087196  
Y= 411472  
NAD-27  
X= 2118791  
Y= 411430

NAD-83  
X= 2089842  
Y= 411492  
NAD-27  
X= 2121437  
Y= 411450

NAD-83  
X= 2095110  
Y= 414136  
NAD-27  
X= 2126706  
Y= 414094

NAD-83  
X= 2095115  
Y= 411494  
NAD-27  
X= 2126710  
Y= 411452

BOTTOM HOLE  
100' FNL & 380' FWL  
NAD-83  
X= 2090204  
Y= 4166691  
LAT.: 34°28'39.6" N  
LONG.: 97°35'46.2" W  
LAT.: 34.477671° N  
LONG.: 97.596167° W  
NAD-27  
X= 2121799  
Y= 4166649  
LAT.: 34°28'39.3" N  
LONG.: 97°35'45.1" W  
LAT.: 34.477587° N  
LONG.: 97.595861° W

NAD-83
X= 2089848
Y= 408832
NAD-27
X= 2121443
Y= 408790

NAD-83  
X= 2092477  
Y= 411493  
NAD-27  
X= 2124072  
Y= 411451

NAD-83  
X= 2095120  
Y= 408852  
NAD-27  
X= 2126715  
Y= 408810

FIRST TAKE POINT  
165' FSL & 380' FWL  
NAD-83  
X= 2090241  
Y= 406359  
LAT.: 34°26'57.4" N  
LONG.: 97°35'46.3" W  
LAT.: 34.449280° N  
LONG.: 97.596183° W  
NAD-27  
X= 2121836  
Y= 406317  
LAT.: 34°26'57.1" N  
LONG.: 97°35'45.2" W  
LAT.: 34.449195° N  
LONG.: 97.595877° W

NAD-83  
X= 2095125  
Y= 406210  
NAD-27  
X= 2126720  
Y= 406167

NAD-83  
X= 2089862  
Y= 406193  
NAD-27  
X= 2121457  
Y= 406151

NAD-83  
X= 2092493  
Y= 406202  
NAD-27  
X= 2124088  
Y= 406159

A circular professional seal for a Licensed Professional Land Surveyor. The outer ring contains the text "LICENSED PROFESSIONAL LAND SURVEYOR" at the top and "OKLAHOMA" at the bottom. The inner circle contains the name "T. WAYNE FISCH", the license number "1378", and the expiration date "2/3/2021".

**SURVEYOR'S CERTIFICATE:**  
I, T. WAYNE FISCH, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF  
TOPOGRAPHIC LAND SURVEYORS, DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

 **TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

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TELEPHONE: (405) 843-4847 OR (800) 654-3219  
CERTIFICATE OF AUTHORIZATION NO. 1292 LS  
[WWW.TOPOGRAPHIC.COM](http://WWW.TOPOGRAPHIC.COM)

LEASE NAME & WELL NO. \_\_\_\_\_ THE DUKE 0104 23-14-1MXH \_\_\_\_\_

SECTION 22 TWP 1S RGE 4W MERIDIAN I.M.

COUNTY \_\_\_\_\_ STEPHENS STATE \_\_\_\_\_ OKLAHOMA \_\_\_\_\_

DESCRIPTION \_\_\_\_\_ 705' FSL & 485' FEL \_\_\_\_\_

<p align="center"><b>THE DUKE 0104</b> <b>23-14-1MXH</b></p>	<b>REVISION:</b>	
	<b>INT</b>	<b>DATE</b>
	<b>KEU</b>	<b>02/03/2021</b>
<b>DATE:</b> 01/25/2021		
<b>FILE:</b> LO_THE_DUKE_0104_23-14-1MXH_REV1		
<b>DRAWN BY:</b> KEU		
<b>SHEET :</b> 1 OF 3		

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
2. ALL BEARINGS SHOWN HEREON ARE GRID OKLAHOMA COORDINATE SYSTEM OF 1983 NORTH ZONE ACCORDING TO THE RESULT OF STATIC GPS OBSERVATION PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS RESULTS ARE CORRELATED TO OKLAHOMA COORDINATE SYSTEM SOUTH ZONE AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.
3. OKLAHOMA COORDINATE SYSTEM OF 1927 AND NATIONAL GEOGRAPHIC VERTICAL DATUM OF 1929 INFORMATION CONVERTED FROM OKLAHOMA COORDINATE SYSTEM OF 1983 AND NORTH AMERICAN VERTICAL DATUM OF 1988.
4. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT/LOCATION, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY CAMINO NATURAL RESOURCES ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY. WITHIN/ADJOINING THIS EASEMENT/LOCATION, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
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WELL LOCATION  
THE DUKE 0104 23-14-1MXH  
CAMINO NATURAL RESOURCES  
SECTION 22, TOWNSHIP 1S, RANGE 4W, I.M.  
STEPHENS COUNTY, OKLAHOMA

LEGEND

SECTION LINE  
QUARTER SECTION LINE  
16TH LINE  
PROPOSED WELL BORE

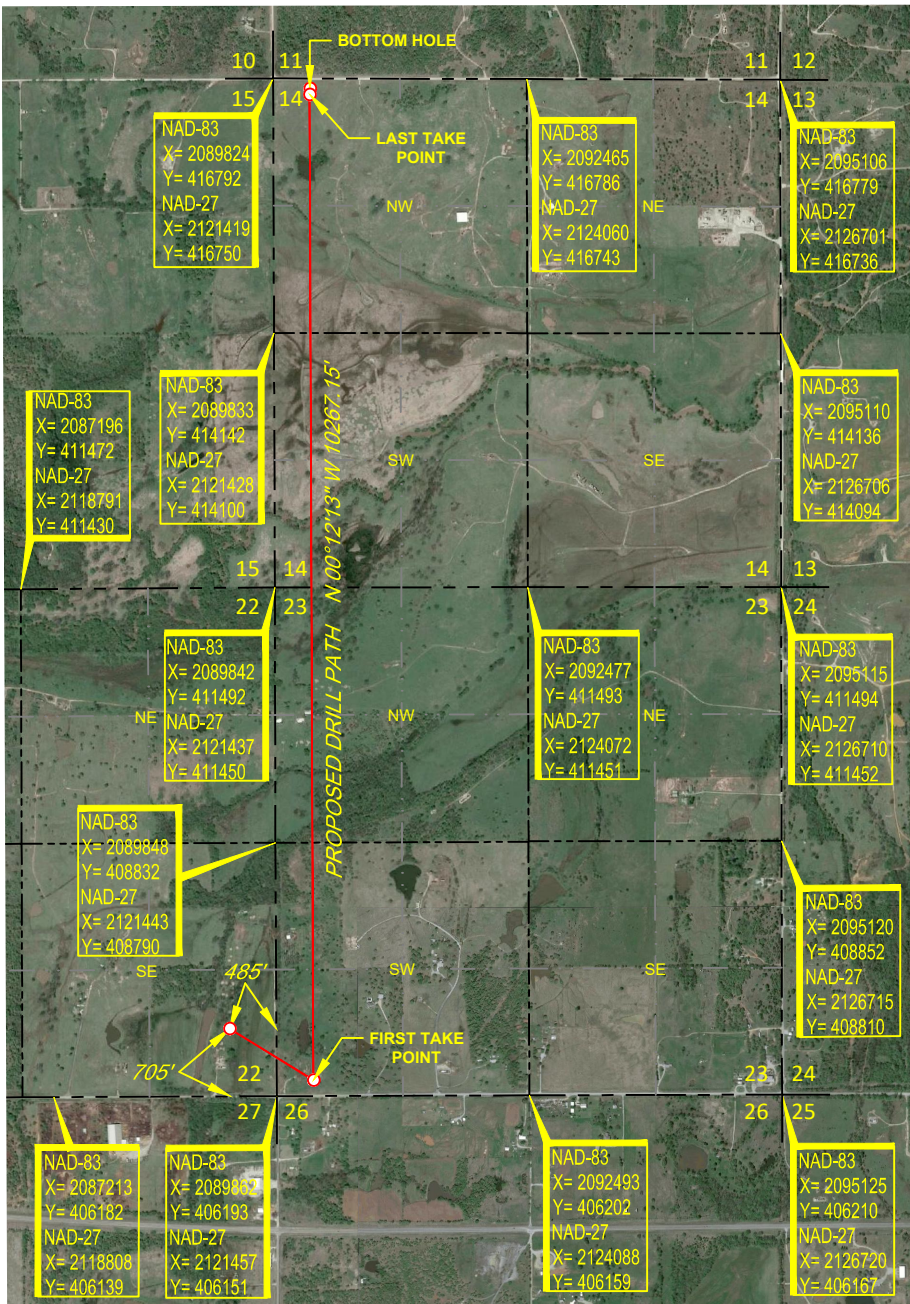


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0' 1000' 2000'

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LONG.: 97.595877° W



SURVEYOR'S CERTIFICATE:

I, T. WAYNE FISCH, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

*T. Wayne Fisch*

T. Wayne Fisch, P.L.S. No. 1378  
Authorized Agent of Topographic Land Surveyors



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LEASE NAME & WELL NO. THE DUKE 0104 23-14-1MXH

SECTION 22 TWP 1S RGE 4W MERIDIAN I.M.  
COUNTY STEPHENS STATE OKLAHOMA  
DESCRIPTION 705' FSL & 485' FEL

THE DUKE 0104  
23-14-1MXH

REVISION:

INT	DATE
KEU	02/03/2021

DATE: 01/25/2021

FILE: I:\0\_THE DUKE\_0104\_23-14-1MXH\_REV1

DRAWN BY: KEU

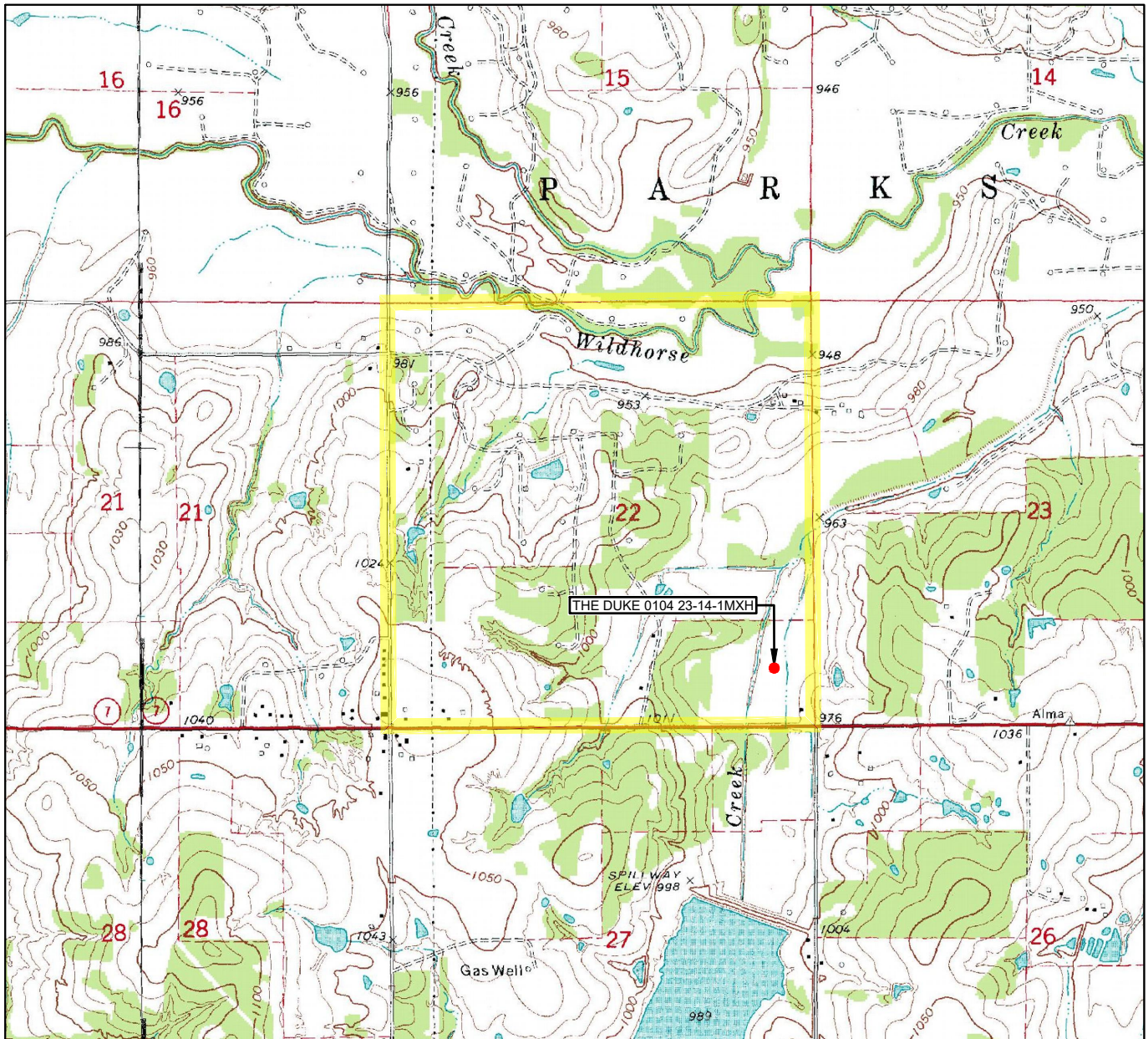
SHEET: 2 OF 3

NOTES:

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# LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. THE DUKE 0104 23-14-1MXH

SECTION 22 TWP 1S RGE 4W MERIDIAN I.M.

COUNTY STEPHENS STATE OKLAHOMA

DESCRIPTION 705' FSL & 485' FEL

ELEVATION 964'



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

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY CAMINO NATURAL 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.

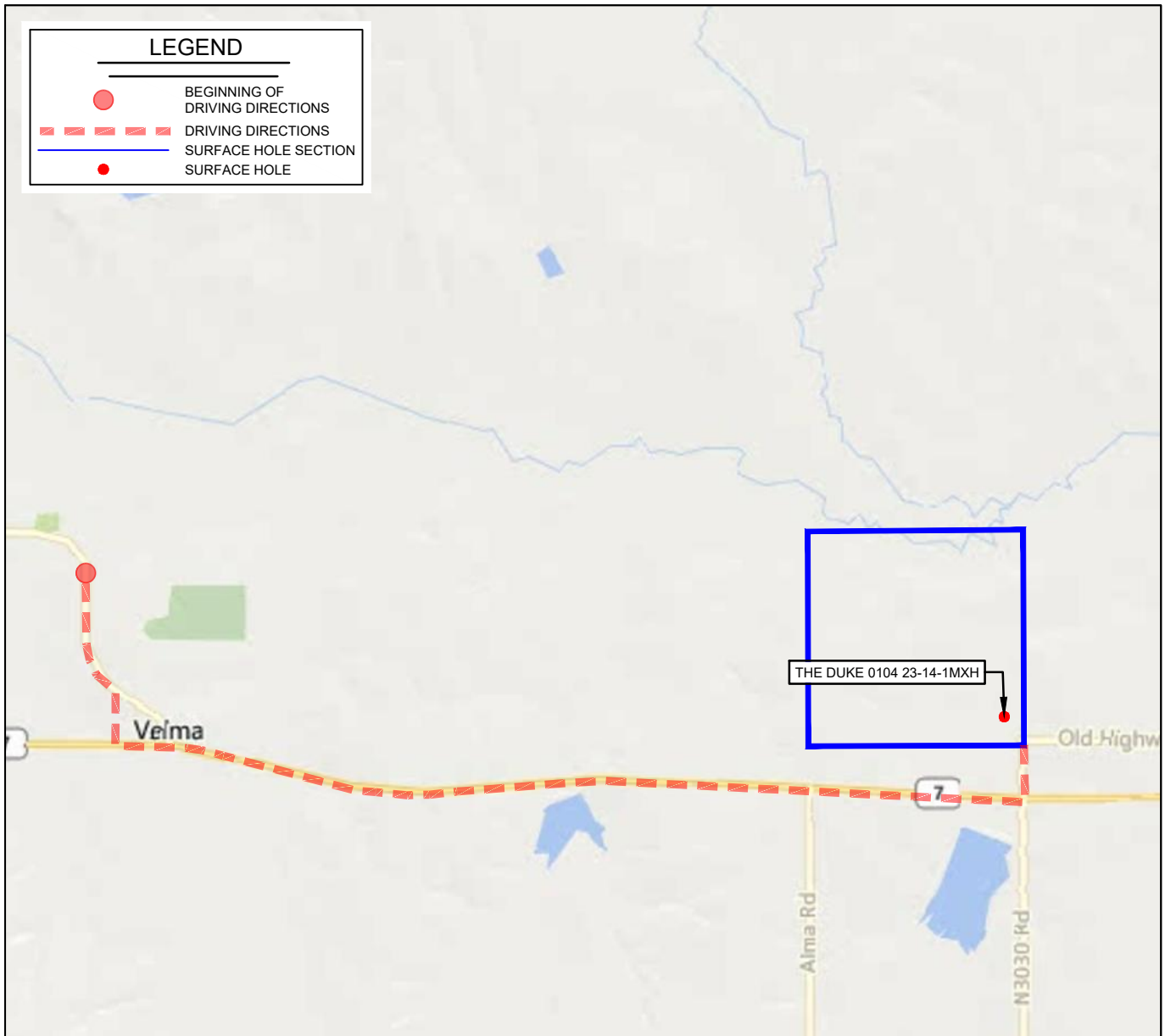
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

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TELEPHONE: (405) 843-4847 OR (800) 654-3219  
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# VICINITY MAP



LEASE NAME & WELL NO. THE DUKE 0104 23-14-1MXH

SECTION 22 TWP 1S RGE 4W MERIDIAN I.M.

COUNTY STEPHENS STATE OKLAHOMA

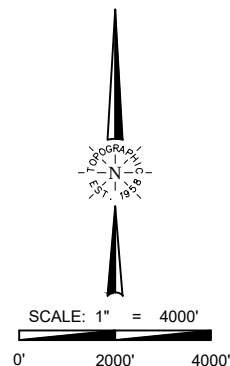
DESCRIPTION 705' FSL & 485' FEL

## DISTANCE & DIRECTION

FROM THE INTERSECTION OF 4TH STREET AND OLD STATE HIGHWAY 7 IN VELMA, OKLAHOMA GO SOUTH ON OLD STATE HWY 7 FOR +/- 0.6 MILES. TURN SOUTH ON HARGROVE ROAD/ SCHOOL ROAD FOR +/- 0.3 MILES. TURN EAST ON-7 ROAD FOR +/- 4.3. TURN NORTH ON N3030 ROAD FOR +/- 0.3 MILES TO THE SEc OF SECTION 22-T1S-R4W.

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