

API NUMBER: 039 22600

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

Approval Date: 11/29/2021
Expiration Date: 05/29/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 05 Township: 13N Range: 16W County: CUSTER

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 1250

Lease Name: MUNO 5-13-16 Well No: 1H Well will be 250 feet from nearest unit or lease boundary.
Operator Name: KAISER-FRANCIS OIL COMPANY Telephone: 9184940000 OTC/OCC Number: 6390 0

KAISER-FRANCIS OIL COMPANY
PO BOX 21468
TULSA, OK 74121-1468

CLARENCE AND GAIL MUNO 2016 REVOCABLE LIVING TRUST
P.O BOX 59
GALLINA NM 87017

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

Name	Code	Depth
1 CHEROKEE	404CHRK	12000

Spacing Orders: 104183

Location Exception Orders: 721524

Increased Density Orders: No Density

Pending CD Numbers: 202101398

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 16697

Ground Elevation: 1711

Surface Casing: 2000

Depth to base of Treatable Water-Bearing FM: 390

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: 21-37984

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: 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 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

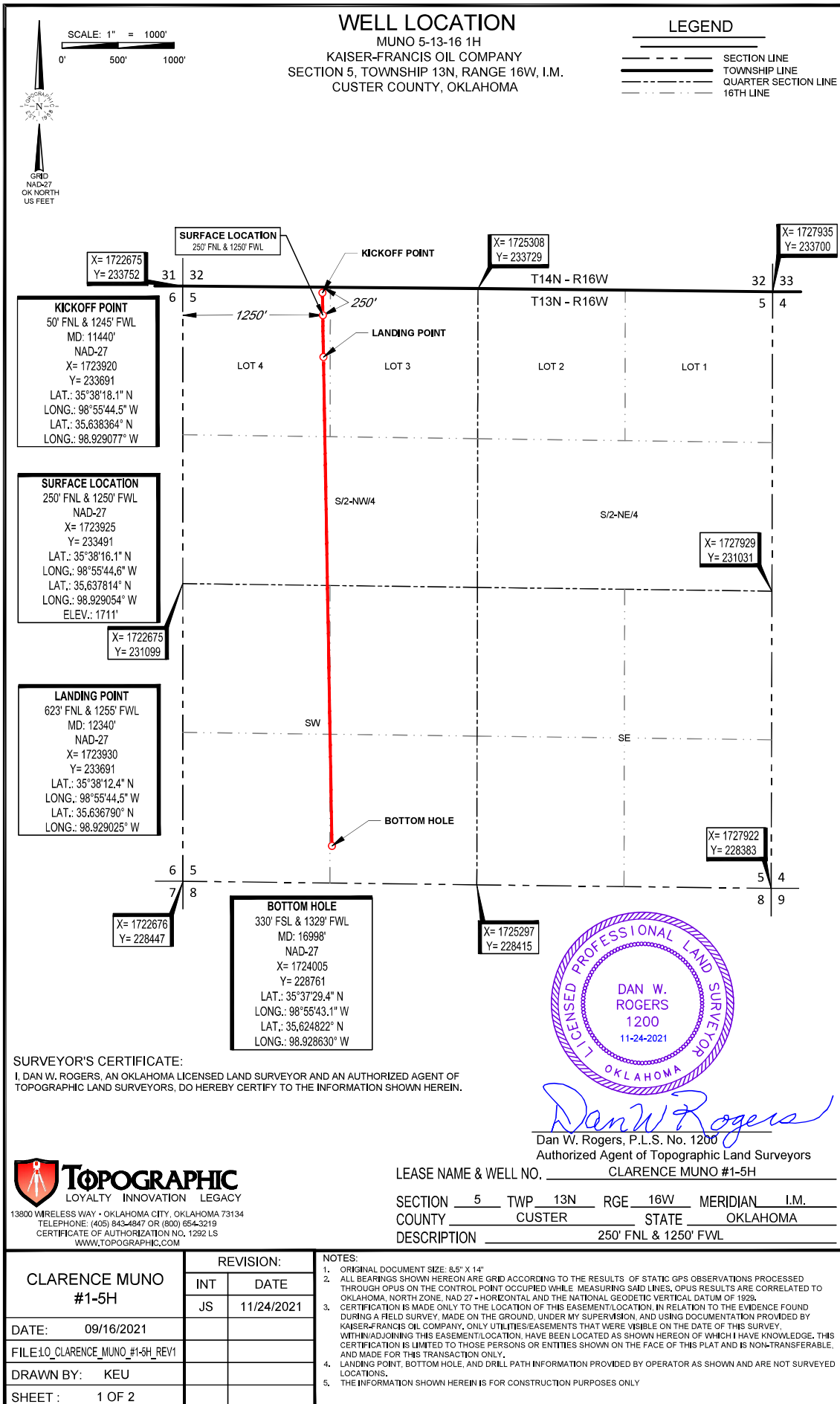
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation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

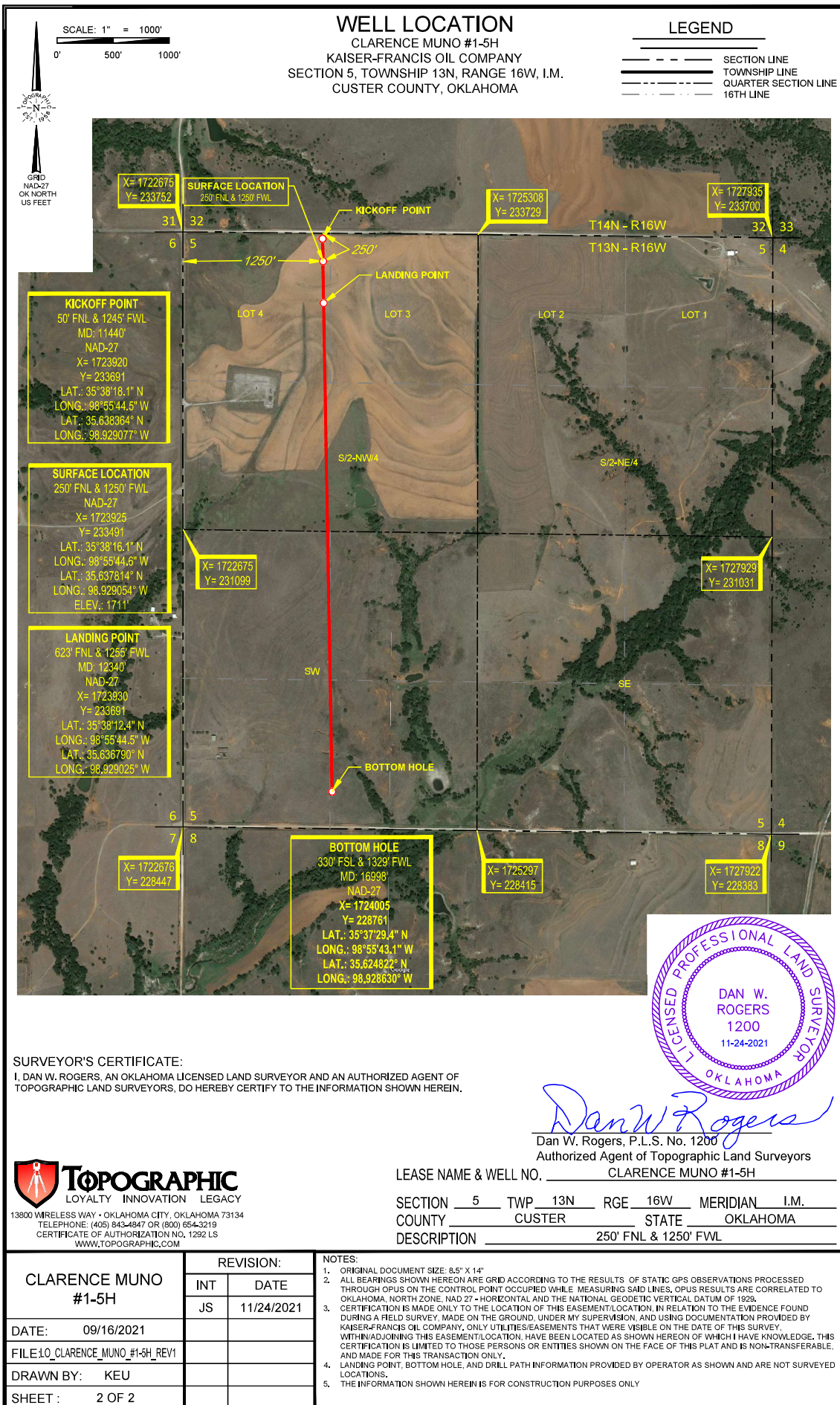
HORIZONTAL HOLE 1

Section: 5	Township: 13N	Range: 16W	Meridian: IM	Total Length: 4930
	County: CUSTER			Measured Total Depth: 16697
Spot Location of End Point: W2	SW	SE	SW	True Vertical Depth: 12000
Feet From: SOUTH	1/4 Section Line: 330			End Point Location from
Feet From: WEST	1/4 Section Line: 1329			Lease, Unit, or Property Line: 330

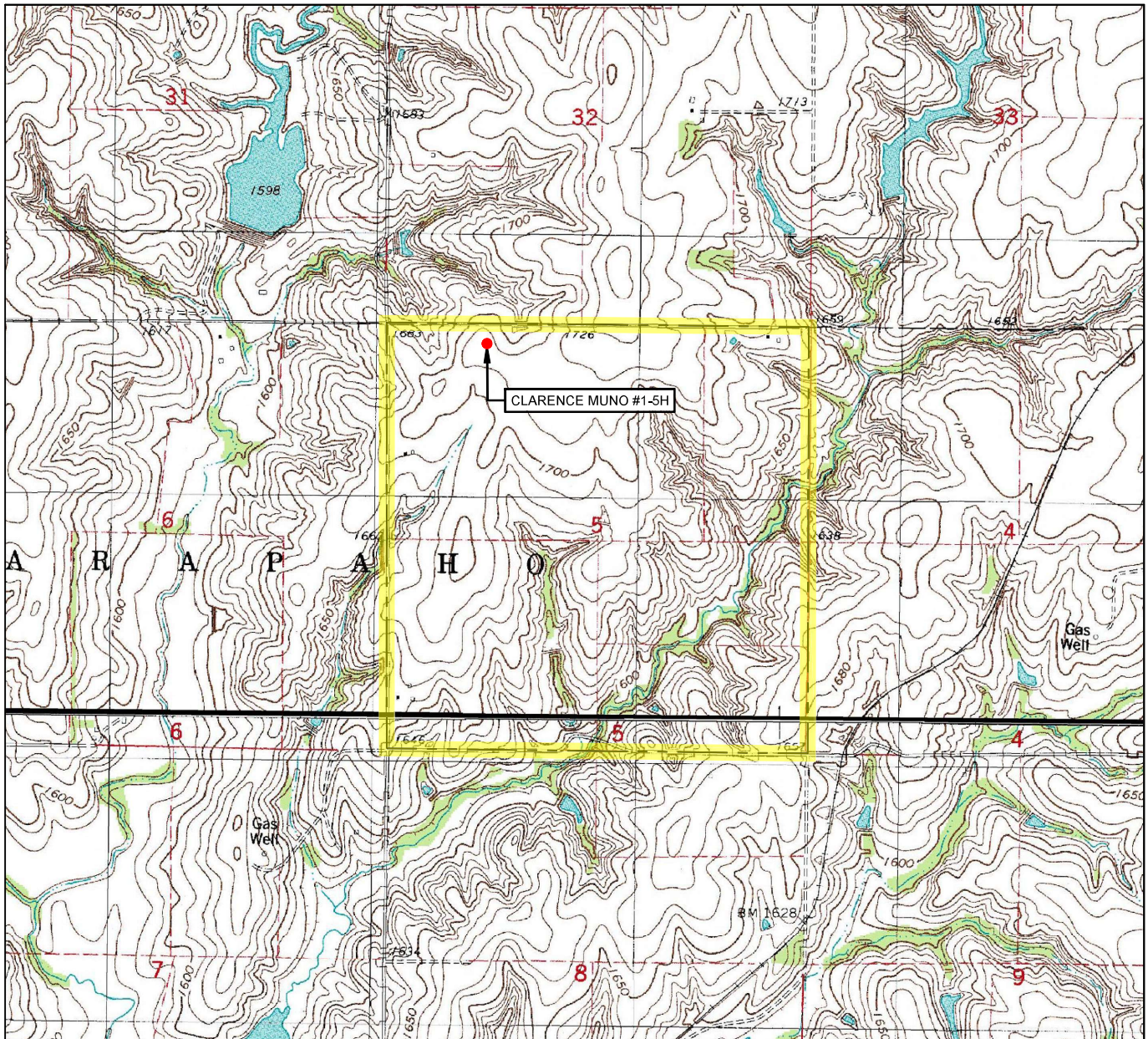
NOTES:

Category	Description
DEEP SURFACE CASING	[11/23/2021 - 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>[11/23/2021 - 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: 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>
LOCATION EXCEPTION - 721524	<p>[11/29/2021 - G56] - (I.O.) 5-13N-6W X104183 CHRK COMPL INT NCT 330' FNL, NCT 330' FSL, NCT 900' FWL KAISER FRANCIS OIL CO 11/5/2021</p>
MEMO	[11/23/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202101398	<p>[11/29/2021 - G56] - 5-13N-16W X104183 CHRK 1 WELL NO OP NAMED REC 10/5/2021 (MOORE)</p>
SPACING - 104183	[11/29/2021 - G56] - (640) 5-13N-16W EST CHRK





LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. CLARENCE MUNO #1-5H

SECTION 5 TWP 13N RGE 16W MERIDIAN I.M.

COUNTY CLUSTER STATE OKLAHOMA

DESCRIPTION 250' FNL & 1250' FWL

ELEVATION 1711'



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

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 KAISER-FRANCIS OIL COMPANY. 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.

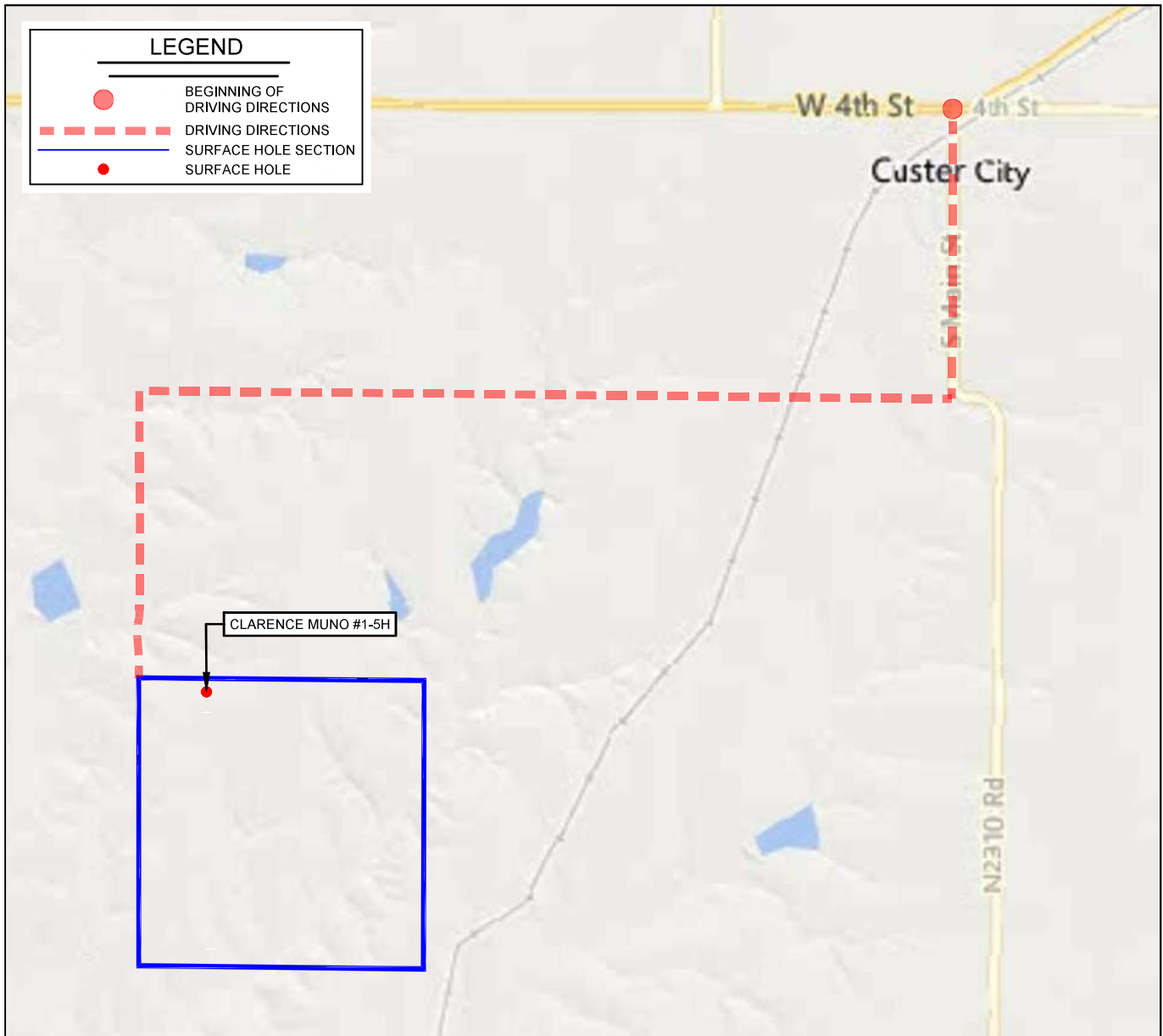
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1927, U.S. SURVEY FEET AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.



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



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SECTION 5 TWP 13N RGE 16W MERIDIAN I.M.

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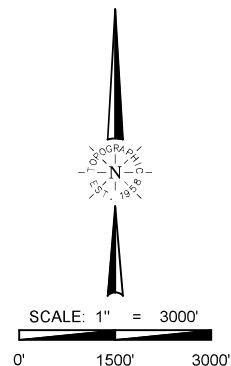
DESCRIPTION 250' FNL & 1250' FWL

DISTANCE & DIRECTION

FROM CUSTER CITY, OK GO ± 1.0 MI. SOUTH ON S. MAIN ST., THEN GO ± 2.85 MI. WEST ON E0940 RD., THEN GO ± 1.0 MI. SOUTH ON N2280 RD. TO THE NORTHWEST CORNER OF SECTION 5-T13N-R16W.

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