API NUMBER: 015 23318

Horizontal Hole Oil & Gas

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

Approval Date: 05/10/2021
Expiration Date: 11/10/2022

PERMIT TO DRILL

WELL LOCATION: Section: 20 Township: 9N Range: 11W County: CADDO

SPOT LOCATION: NW SE NW NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**

SECTION LINES: **725** **898**

Lease Name: **CART AND GUNTER 17-9-11** **Well No:** **1H** **Well will be** **725** **feet from nearest unit or lease boundary.**

Operator Name: **KAISER-FRANCIS OIL COMPANY** Telephone: 9184940000 OTC/OCC Number: 6390 0

KAISER-FRANCIS OIL COMPANY
6733 S YALE AVE
TULSA, OK 74121-1468

CART AND GUNTER LLC
301 NORTH BROADWAY
BINGER OK 74121

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

	Name	Code	Depth
1	MARCHAND	405MRCD	10100

Spacing Orders: No Spacing

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: 201806420
201902253
201901940
201901939

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 15700 Ground Elevation: 1501 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 380

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: 21-37602

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: BED AQUIFER
Pit Location Formation: RUSH SPRINGS

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: RUSH SPRINGS

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: 17	Township: 9N	Range: 11W	Meridian: IM	Total Length:	5700
County:	CADDO			Measured Total Depth:	15700
Spot Location of End Point:	NE NW NE NW			True Vertical Depth:	10200
Feet From:	**NORTH**	1/4 Section Line:	166	End Point Location from Lease,Unit, or Property Line:	165
Feet From:	**WEST**	1/4 Section Line:	1723		

NOTES:

Category	Description
HYDRAULIC FRACTURING	[4/29/2021 - 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: OCCEWEB.COM/OG/OGFORMS.HTML; 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 FRACFOCUS.ORG
MEMO	[4/29/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201806420	[5/7/2021 - GB1] - (E.O.)(640)(HOR) 17-9N-11W EST MRCD COMPL INT NLT 660' FB (COEXIST SP #364289 MRCD) REC 4/20/21 (MOORE) *** WILL BE COMBINED WITH 201902253 PER HEARING
PENDING CD - 201901939	[5/7/2021 - GB1] - (E.O.)17-9N-11W X165:5-7-6(H)(I) MRCD COEXIST WITH SP 364289 KAISER-FRANCIS OIL COMPANY REC 4/20/21 (MOORE)
PENDING CD - 201901940	[5/7/2021 - GB1] - (E.O.) 17-9N-11W X201806420 MRCD X201902253 MRCD COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 660' FWL KAISER-FRANCIS OIL COMPANY REC 4/20/21 (MOORE)
PENDING CD - 201902253	[5/7/2021 - GB1] - (E.O.) (640)(HOR) 17-9N-11W EST MRCD COMPL INT NCT 660' FB (COEXIST SP #364289 MRCD) REC 4/20/21 (MOORE) *** WILL BE COMBINED WITH 201806420 PER HEARING

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WELL LOCATION

CART & GUNTER #1H
KAISER-FRANCIS OIL COMPANY
SECTION 20, TOWNSHIP 9N, RANGE 11W, I.M.
CADDO COUNTY, OKLAHOMA

GRID
NAD-27
OK SOUTH
US FEET

SCALE: 1" = 2000'

0' 1000' 2000'

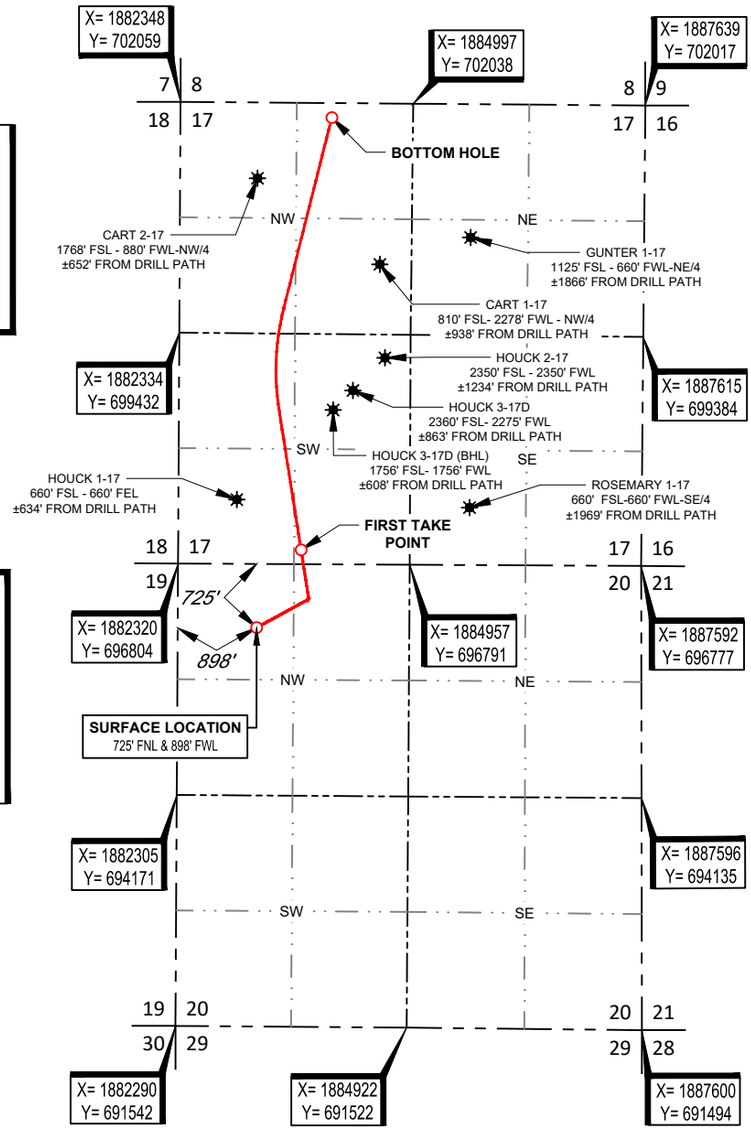
LEGEND

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

FIRST TAKE POINT
162' FSL & 1399' FWL
NAD-27
X= 1883720
Y= 696959
LAT.: 35°14'52.2" N
LONG.: 98°23'21.9" W
LAT.: 35.247844° N
LONG.: 98.389415° W

BOTTOM HOLE
166' FNL & 1723' FWL
NAD-27
X= 1884070
Y= 701880
LAT.: 35°15'40.9" N
LONG.: 98°23'17.9" W
LAT.: 35.261367° N
LONG.: 98.388306° W

SURFACE LOCATION
725' FNL & 898' FWL
NAD-27
X= 1883214
Y= 696075
LAT.: 35°14'43.5" N
LONG.: 98°23'28.0" W
LAT.: 35.245410° N
LONG.: 98.391098° W
ELEV.: 1501'



NOTE:
- EXISTING WELLS PLOTTED PER OCC RECORDS AT FOOTAGE CALLS SHOWN, NOT SURVEYED IN THE FIELD.
- HOUCK 3-17 BOTTOM HOLE PROVIDED BY CLIENT LISTED, NOT SURVEYED.
- HOUCK 1-17 DISTANCE TO DRILL PATH PLOTTED PER PHOTO

LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
05-07-21
OKLAHOMA

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.

Thomas L. Howell

Thomas L. Howell, P.L.S. No. 1433
Authorized Agent of Topographic Land Surveyors

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

LEASE NAME & WELL NO. CART & GUNTER #1H

SECTION 20 TWP 9N RGE 11W MERIDIAN I.M.
COUNTY CADDO STATE OKLAHOMA
DESCRIPTION 725' FNL & 898' FWL

CART & GUNTER #1H	REVISION: INT	REVISION: DATE
	JS	04/13/2021
DATE: 04/05/2021		
FILE:LO_CART_GUNTER_#1H_REV2		
DRAWN BY: KEU		
SHEET : 1 OF 2		

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
2. ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS RESULTS ARE CORRELATED TO OKLAHOMA, SOUTH ZONE, NAD 27 - HORIZONTAL AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
3. 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 KAISER-FRANCIS OIL COMPANY. 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.
4. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
5. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

WELL LOCATION

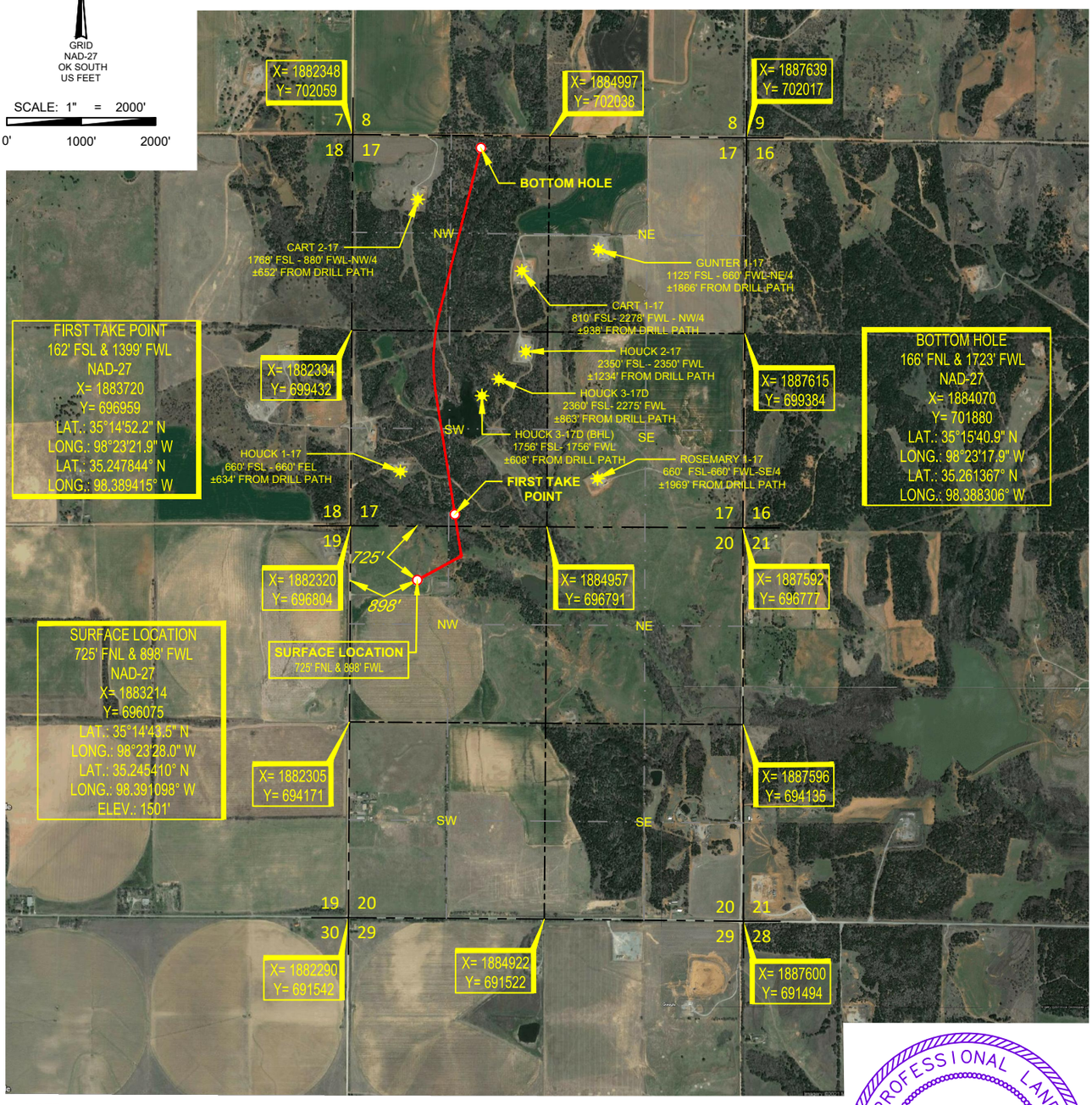
CART & GUNTER #1H
KAISER-FRANCIS OIL COMPANY
SECTION 20, TOWNSHIP 9N, RANGE 11W, I.M.
CADDO COUNTY, OKLAHOMA

LEGEND

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

GRID
NAD-27
OK SOUTH
US FEET

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



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COUNTY CADDO STATE OKLAHOMA
DESCRIPTION 725' FNL & 898' FWL

CART & GUNTER #1H	REVISION: INT	DATE
	JS	04/13/2021
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FILE:LO_CART_GUNTER_#1H_REV2		
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SHEET : 2 OF 2		

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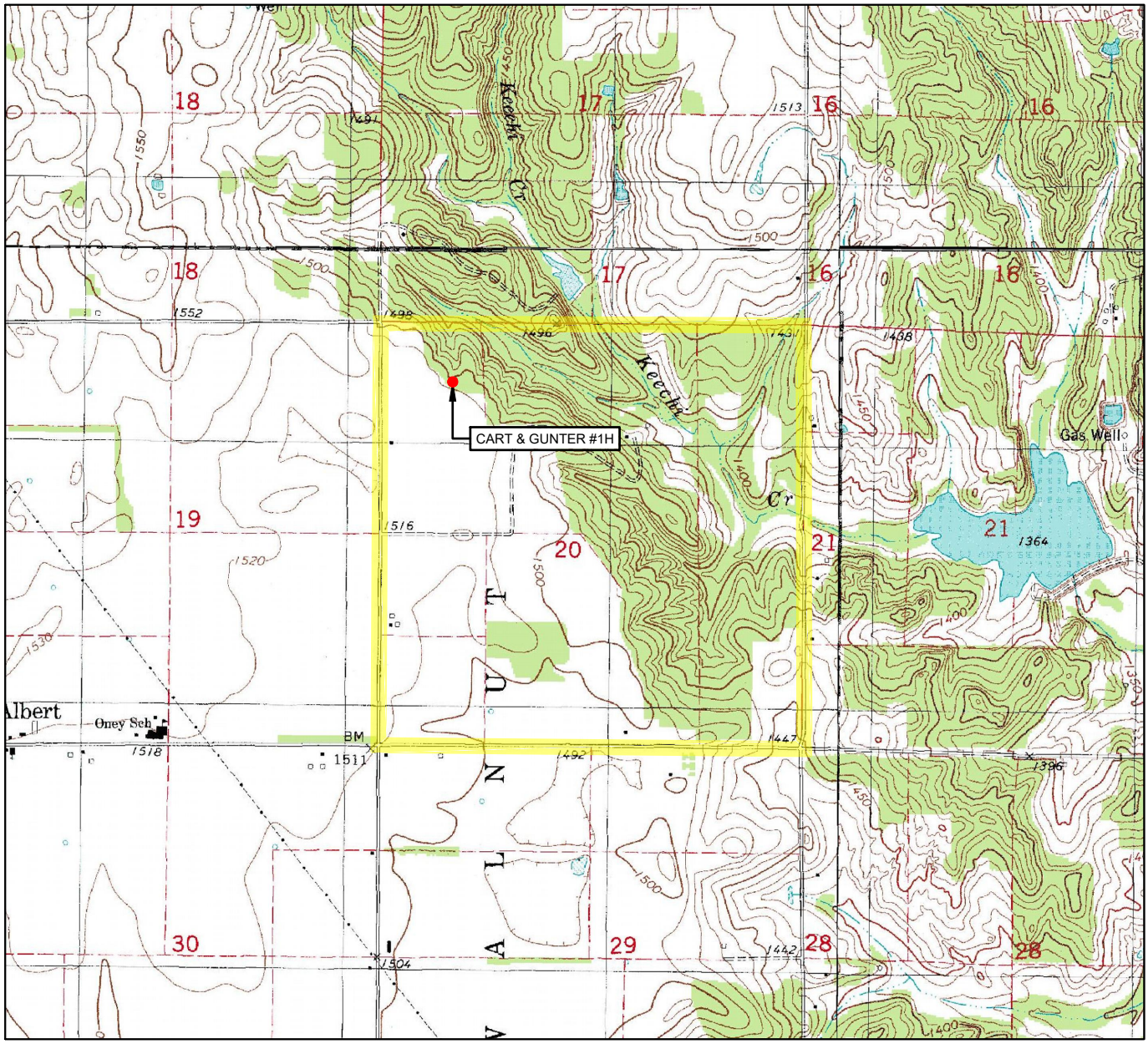
LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. CART & GUNTER #1H

SECTION 20 TWP 9N RGE 11W MERIDIAN I.M.

COUNTY CADDO STATE OKLAHOMA

DESCRIPTION 725' FNL & 898' FWL

ELEVATION 1501'

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, SOUTH ZONE OF THE NORTH AMERICAN DATUM 1927, U.S. SURVEY FEET AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

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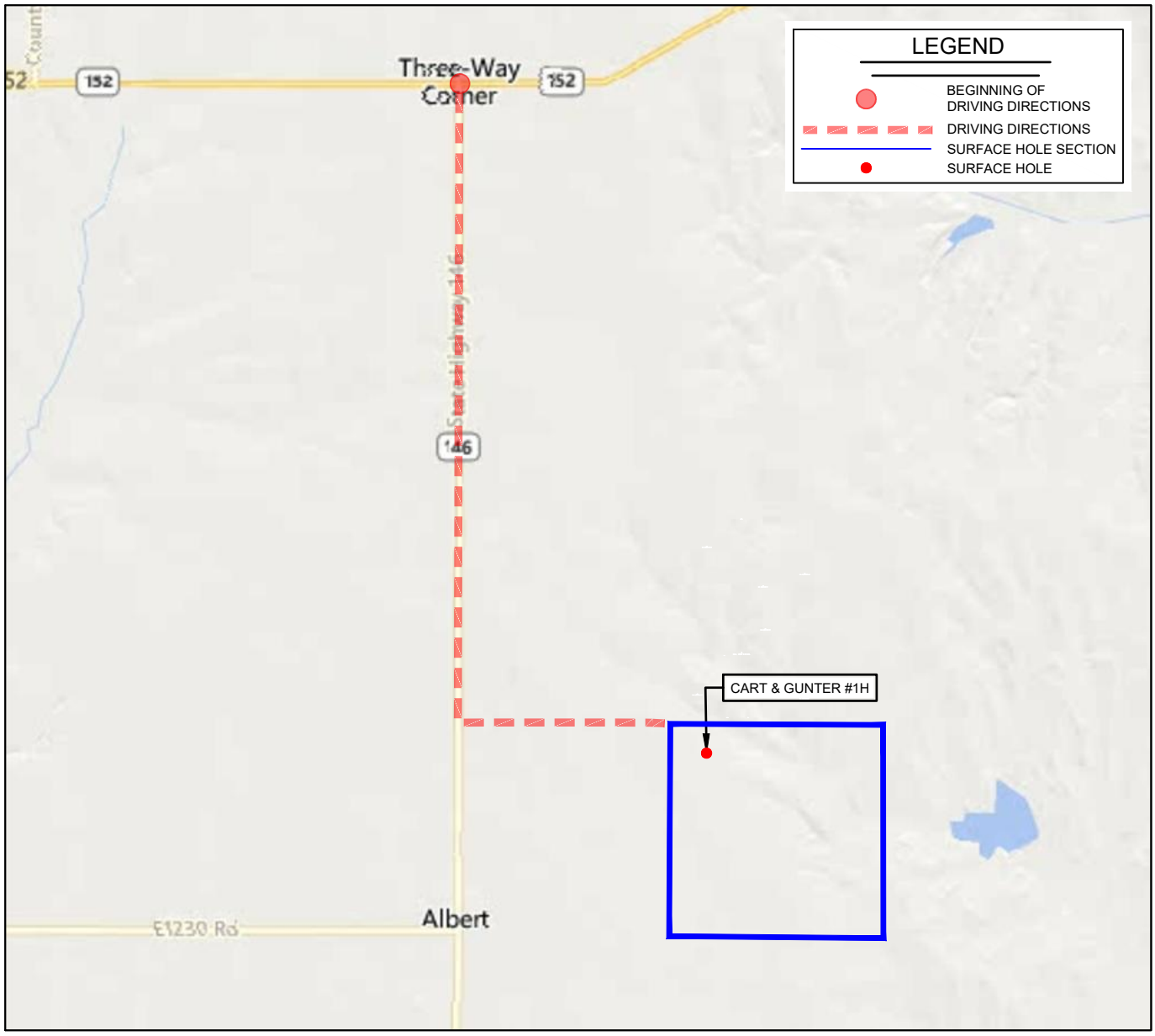
VICINITY MAP



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SECTION 20 TWP 9N RGE 11W MERIDIAN I.M.

COUNTY CADDO STATE OKLAHOMA

DESCRIPTION 725' FNL & 898' FWL

DISTANCE & DIRECTION

FROM THE INTERSECTION OF OK-152 & OK-146 GO ±3.0 MI. SOUTH ON OK-146, THEN GO ±1.0 MI. EAST ON COUNTY RD. 1220, TO THE NORTHWEST CORNER OF SECTION 20-T9N-R11W.

SCALE: 1" = 4000'

0' 2000' 4000'

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