

API NUMBER: 043 23729

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

Approval Date: 09/14/2021
Expiration Date: 03/14/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 19 Township: 19N Range: 14W County: DEWEY

SPOT LOCATION: FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 235 660

Lease Name: ELLA Well No: 3-19H Well will be 235 feet from nearest unit or lease boundary.

Operator Name: CRAWLEY PETROLEUM CORPORATION Telephone: 4052329700 OTC/OCC Number: 7980 0

CRAWLEY PETROLEUM CORPORATION
105 N HUDSON AVE STE 800
OKLAHOMA CITY, OK 73102-4803

CHAIN LAND & CATTLE CO., INC.
237687 STATE HIGHWAY 51
CANTON OK 73724

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

Name	Code	Depth
1 RED FORK	404RDFK	8200

Spacing Orders: 720121

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202101335

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 12700

Ground Elevation: 1726

Surface Casing: 420

Depth to base of Treatable Water-Bearing FM: 180

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 21-37804

H. (Other)

SEE MEMO

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is: BED AQUIFER

Pit Location Formation: RUSH SPRINGS

PIT 2 INFORMATION

Type of Pit System: ON SITE

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: 3

Liner required for Category: 3

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

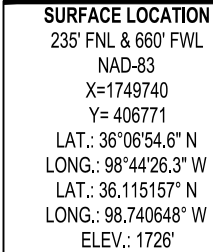
Section: 19 Township: 19N Range: 14W Meridian: IM Total Length: 4430
County: DEWEY Measured Total Depth: 12700
Spot Location of End Point: SW SE SW SW True Vertical Depth: 8200
Feet From: **SOUTH** 1/4 Section Line: 165 End Point Location from
Feet From: **WEST** 1/4 Section Line: 700 Lease,Unit, or Property Line: 165

NOTES:

Category	Description
DEEP SURFACE CASING	[8/31/2021 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 19-19N-14W
HYDRAULIC FRACTURING	<p>[8/31/2021 - 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>
INTERMEDIATE CASING	[8/31/2021 - GC2] - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
MEMO	[9/2/2021 - GC2] - PIT 1 & 2 - ONSITE, WBM & OBM CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDIFIED AND HELD UNTIL DISPOSAL APPROVED BY OCC; PIT 2 - OBM TO VENDOR
PENDING CD - 202101335	<p>[9/14/2021 - GB6] - (I.O.) 19-19N-14W X720121 RDFK COMPL. INT. NCT 330' FNL, NCT 330' FSL, NCT 330' FWL** NO OPER. NAMED REC. 08/09/2021 (THOMAS)</p> <p>**AMENDED AT HEARING TO COMPL. INT. NCT 330' FROM ANY UNIT BOUNDARY.</p>
SPACING - 720121 (202101334)	<p>[9/14/2021 - GB6] - (640)(HOR) 19-19N-14W EST RDFK COMPL. INT. NCT 660' FB (COEXIST SP. ORDER# 240451 RDFK)</p>

ELLA 3-19H
CRAWLEY PETROLEUM
SECTION 19, TOWNSHIP 19N, RANGE 14W, I.M.
DEWEY COUNTY, OKLAHOMA

---	SECTION LINE
=====	RANGE LINE
----	QUARTER SECTION LINE
.....	16TH LINE
=====	PROPOSED WELL BORE
---	GAS
---	EXISTING GAS LINE




LANDING POINT
800' FNL & 700' FWL
NAD-83
X= 1749775
Y= 406206
LAT.: 36°06'49.0" N
LONG.: 98°44'25.9" W
LAT.: 36.113606° N
LONG.: 98.740515° W

BOTTOM HOLE
165' FSL & 700' FWL
NAD-83
X= 1749737
Y= 401905
LAT.: 36°06'06.4" N
LONG.: 98°44'25.9" W
LAT.: 36.101789° N
LONG.: 98.740534° W

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

DAN W.
ROGERS
1200
08-24-2021
OKLAHOMA
LICENSED PROFESSIONAL LAND SURVEYOR


Dan W. Rogers, P.L.S. No. 1200
Authorized Agent of Topographic Land Surveyors

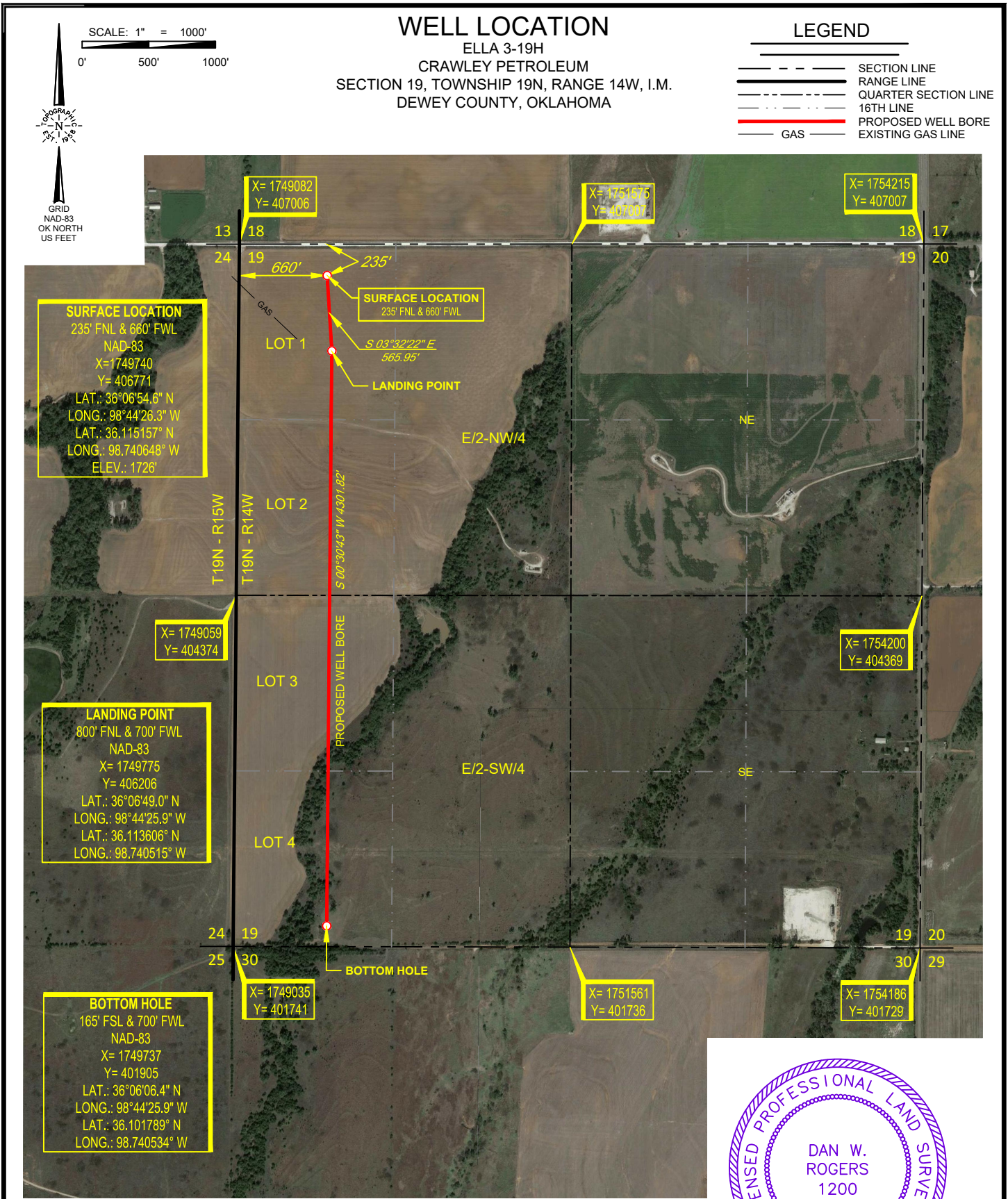
LEASE NAME & WELL NO. ELLA 3-19H

SECTION 19 TWP 19N RGE 14W MERIDIAN I.M.

COUNTY DEWEY STATE OKLAHOMA

DESCRIPTION 235' FNL & 660' FWL

ELLA 3-19H	REVISION:		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, NORTH ZONE, NAD 83 - HORIZONTAL AND THE NORTH AMERICAN VERTICAL DATUM OF 1988. 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 CRAWLEY PETROLEUM. 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
	INT	DATE	
DATE: 07/14/2021			
FILE:LO_ELLA 3-19H			
DRAWN BY: KEU			
SHEET : 1 OF 2			



SURVEYOR'S CERTIFICATE:

I, DAN W. ROGERS, 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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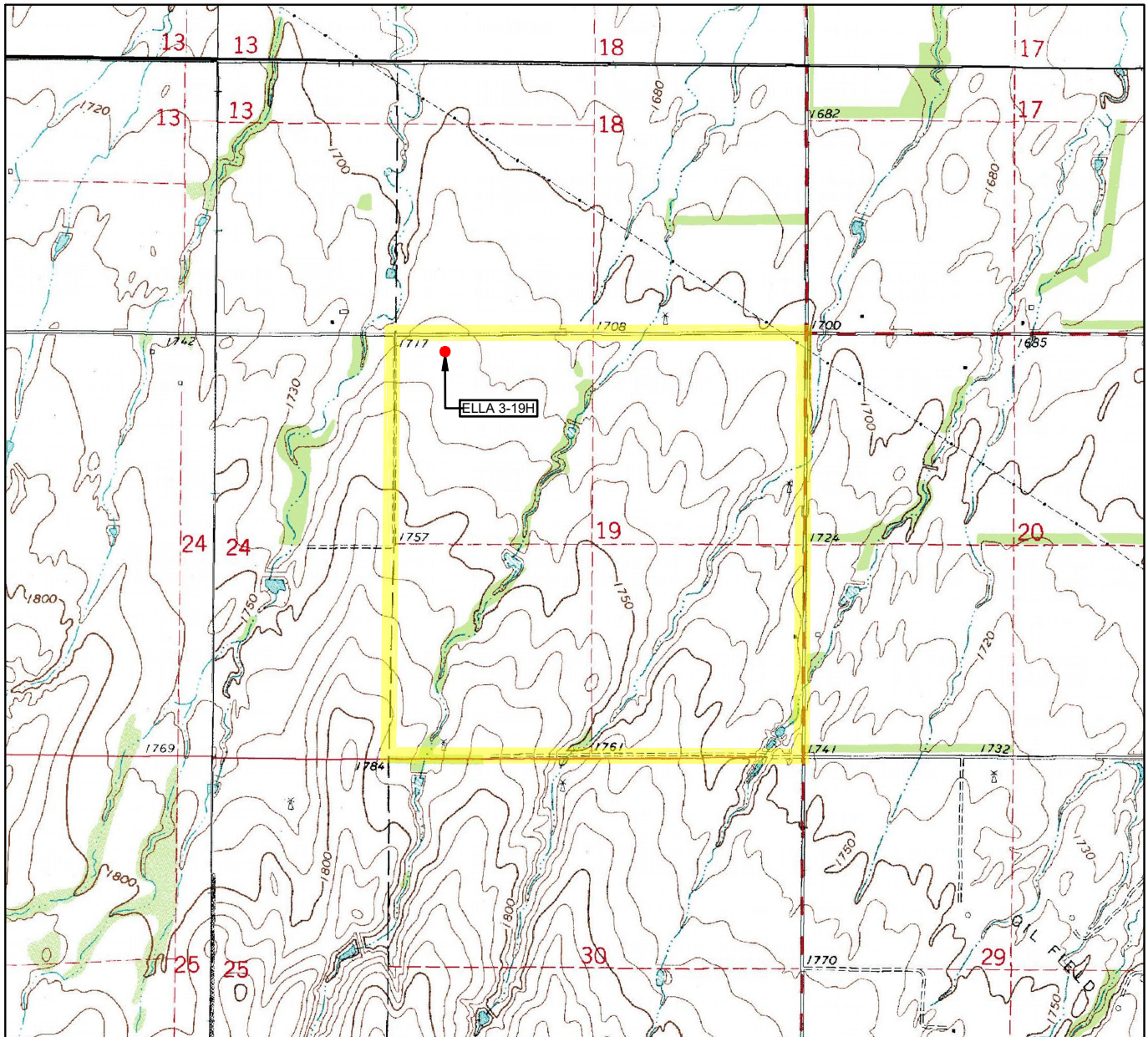
Dan W. Rogers, P.L.S. No. 1200

Authorized Agent of Topographic Land Surveyors

ELLA 3-19H	REVISION:	
	INT	DATE
DATE: 07/14/2021		
FILE:LO_ELLA 3-19H		
DRAWN BY: KEU		
SHEET : 2 OF 2		

- NOTES:
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LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. _____ ELLA 3-19H

SECTION 19 TWP 19N RGE 14W MERIDIAN I.M.

COUNTY DEWEY STATE OKLAHOMA

DESCRIPTION 235' FNL & 660' FWL

ELEVATION 1726'



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 CRAWLEY PETROLEUM. 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.

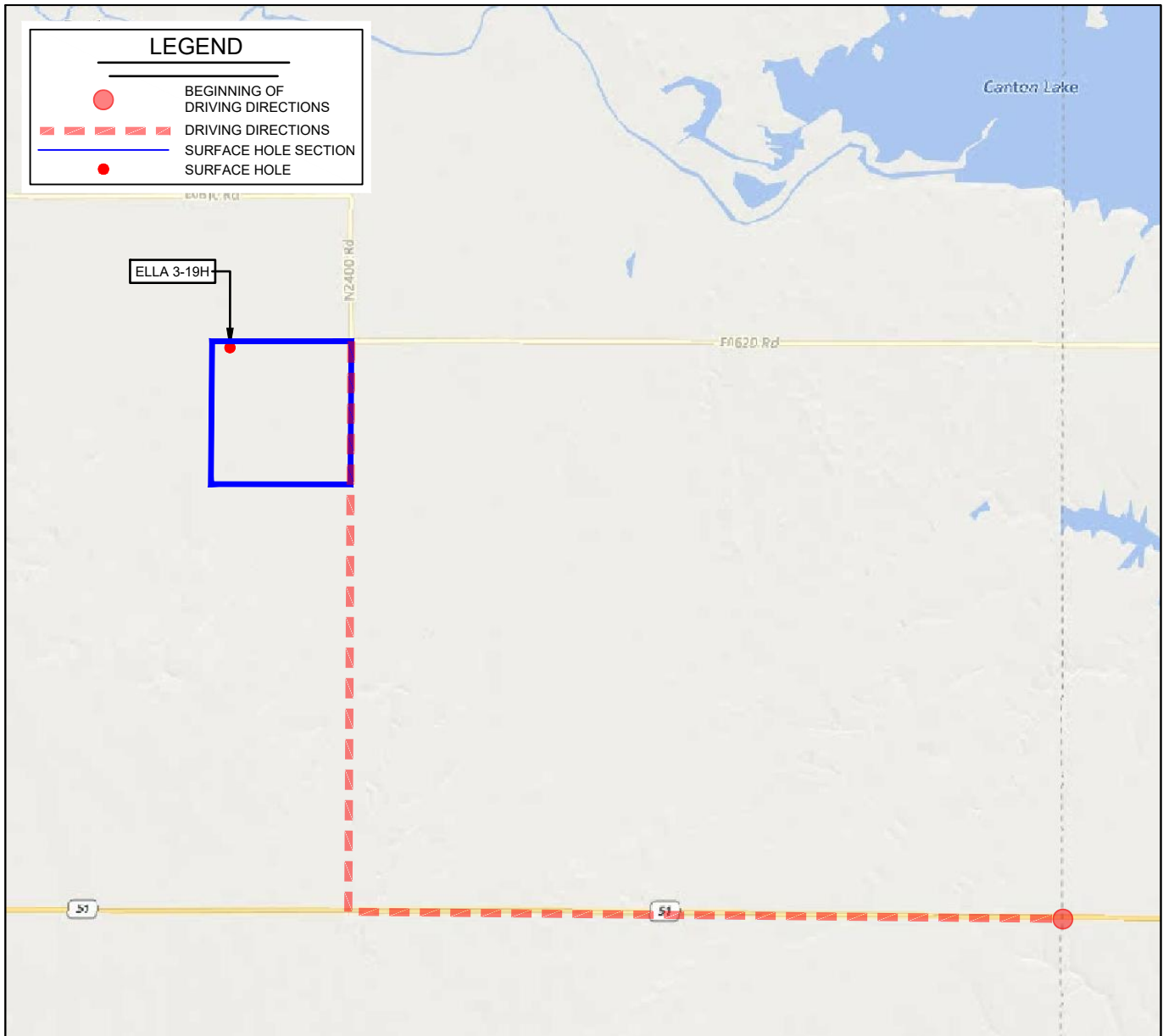
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.



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VICINITY MAP



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COUNTY DEWEY STATE OKLAHOMA

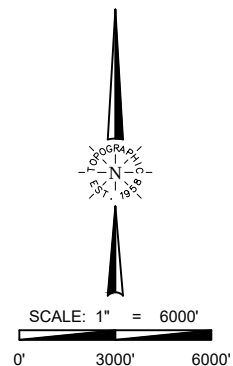
DESCRIPTION 235' FNL & 660' FWL

DISTANCE & DIRECTION

FROM THE BLAINE-DEWEY COUNTY LINE ON SH 51 WEST OF
CANTON, OK, GO WEST ON HWY 51 FOR 5 MILES, GO NORTH ON N
2400 RD FOR 4 MILES TO THE NE CORNER OF SECTION 19,
T19N R14W.

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