API NUMBER: 043 23748

Multi Unit 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: 04/19/2022
Expiration Date: 10/19/2023

PERMIT TO DRILL

WELL LOCATION: Section: 15 Township: 17N Range: 17W County: DEWEY

SPOT LOCATION: SE SE SE SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**

SECTION LINES: **169** **2347**

Lease Name: **BIG DOG 1717** **Well No:** **1-15-10XHM** **Well will be** **169** **feet from nearest unit or lease boundary.**

Operator Name: **BLAKE PRODUCTION COMPANY INC** Telephone: 4052869800 OTC/OCC Number: 18119 0

BLAKE PRODUCTION COMPANY INC
1601 NW EXPRESSWAY STE 777
OKLAHOMA CITY, OK 73118-1446

JOHN AND JUDY JORDAN
1109 SHERWOOD RD
CLINTON OK 73601

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

	Name	Code	Depth
1	RED FORK	404RDFK	9575

Spacing Orders: 720797
718672

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202201191
202201190
202201188
202201192

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 17000 Ground Elevation: 1970 **Surface Casing: 1999** Depth to base of Treatable Water-Bearing FM: 280

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: 22-38207

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.

MULTI UNIT HOLE 1

Section: 10	Township: 17N	Range: 17W	Meridian: IM	Total Length:	7130
County:	DEWEY			Measured Total Depth:	17000
Spot Location of End Point:	SW	NW	NW	SE	True Vertical Depth: 9575
Feet From:	**SOUTH**	1/4 Section Line:	2300	End Point Location from Lease,Unit, or Property Line:	330
Feet From:	**EAST**	1/4 Section Line:	2335		

NOTES:

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Category	Description
DEEP SURFACE CASING	[4/8/2022 - 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	[4/8/2022 - 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
INTERMEDIATE CASING	[4/8/2022 - 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	[4/8/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202201188	[4/18/2022 - G56] - 15-17N-17W X720797 RDFK 1 WELL NO OP NAMED HEARING 4/29/2022
PENDING CD - 202201190	[4/18/2022 - G56] - S2 10-17N-17W X718672 RDFK 1 WELL NO OP NAMED HEARING 4/29/2022
PENDING CD - 202201191	[4/18/2022 - G56] - (E.O.) 15 & S2 10 -17N-17W X720797 RDFK 15-17N-17W X718672 RDFK S2 10-17N-17W COMPL INT (15-17N-17W) NCT 330' FSL, NCT 0' FNL, NCT 330' FEL OR 330' FWL COMPL INT (S2 10-17N-17W) NCT 0' FSL, NCT 330' FNL, NCT 330' FEL OR 330' FWL NO OP NAMED REC 4/5/2022 (NORRIS)
PENDING CD - 202201192	[4/18/2022 - G56] - (E.O.) 15 & S2 10 -17N-17W EST MULTIUNIT HORIZONTAL WELL X720797 RDFK 15-17N-17W X718672 RDFK S2 10-17N-17W 67% 15-17N-17W 33% S2 10-17N-17W NO OP NAMED REC 4/5/2022 (NORRIS)
SPACING - 718672	[4/18/2022 - G56] - (320)(HOR) S2 10-17N-17W VAC 62938 RDFK EST RDFK COMPL. INT. NCT 660' FB
SPACING - 720797	[4/18/2022 - G56] - (640)(HOR) 15-17N-17W EST RDFK COMPL. INT. NCT 660' FB (COEXIST SP. ORDER# 62938 RDFK)

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WELL LOCATION

BIG DOG 1717 1-15-10XHM
BLAKE PRODUCTION CO.
SECTION 15, TOWNSHIP 17N, RANGE 17W, I.M.
DEWEY COUNTY, OKLAHOMA

LEGEND

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

GRID NAD-83 OK NORTH US FEET

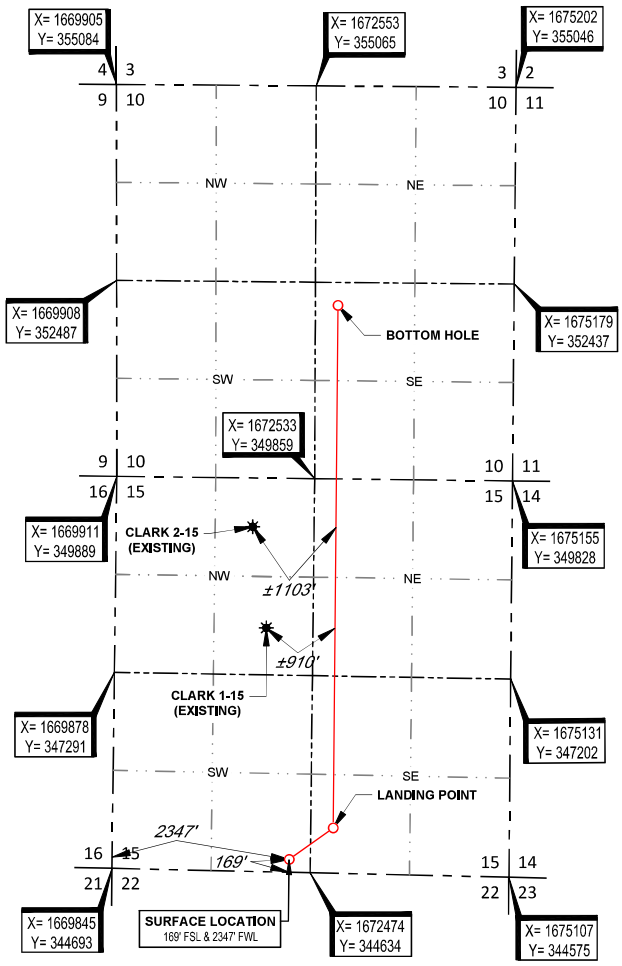
SCALE: 1" = 2000'

0' 1000' 2000'

SURFACE LOCATION
169' FSL & 2347' FWL
NAD-83
X= 1672194
Y= 344810
LAT.: 35°56'34.9" N
LONG.: 99°00'03.7" W
LAT.: 35.943039° N
LONG.: 99.001015° W
ELEV.: 1970'

LANDING POINT
600' FSL & 2335' FEL
NAD-83
X= 1672778
Y= 345227
LAT.: 35°56'39.1" N
LONG.: 98°59'56.6" W
LAT.: 35.944203° N
LONG.: 98.999057° W

BOTTOM HOLE
2300' FSL & 2335' FEL
NAD-83
X= 1672841
Y= 352155
LAT.: 35°57'47.6" N
LONG.: 98°59'56.7" W
LAT.: 35.963235° N
LONG.: 98.999085° W



LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
03-22-22
OKLAHOMA

SURVEYOR'S CERTIFICATE:

I, THOMAS L. HOWELL, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC, CO., DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

Thomas L. Howell

Thomas L. Howell P.L.S. No. 1433
Authorized Agent of Topographic Co.

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
TELEPHONE: (405) 843-4847 OR (800) 654-3219
FAX: (405) 843-0975
CERTIFICATE OF AUTHORIZATION NO. 1292 LS
WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. BIG DOG 1717 1-15-10XHM

SECTION 15 TWP 17N RGE 17W MERIDIAN I.M.
COUNTY DEWEY STATE OKLAHOMA
DESCRIPTION 169' FSL & 2347' FWL

BIG DOG 1717 1-15-10XHM	REVISION:	
	INT	DATE
DATE: 03/18/2022		
FILE:LO_BIG_DOG_1717_1-15-10XHM		
DRAWN BY: EAH		
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, 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 BLAKE PRODUCTION CO.. 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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BLAKE PRODUCTION CO.
SECTION 15, TOWNSHIP 17N, RANGE 17W, I.M.
DEWEY COUNTY, OKLAHOMA

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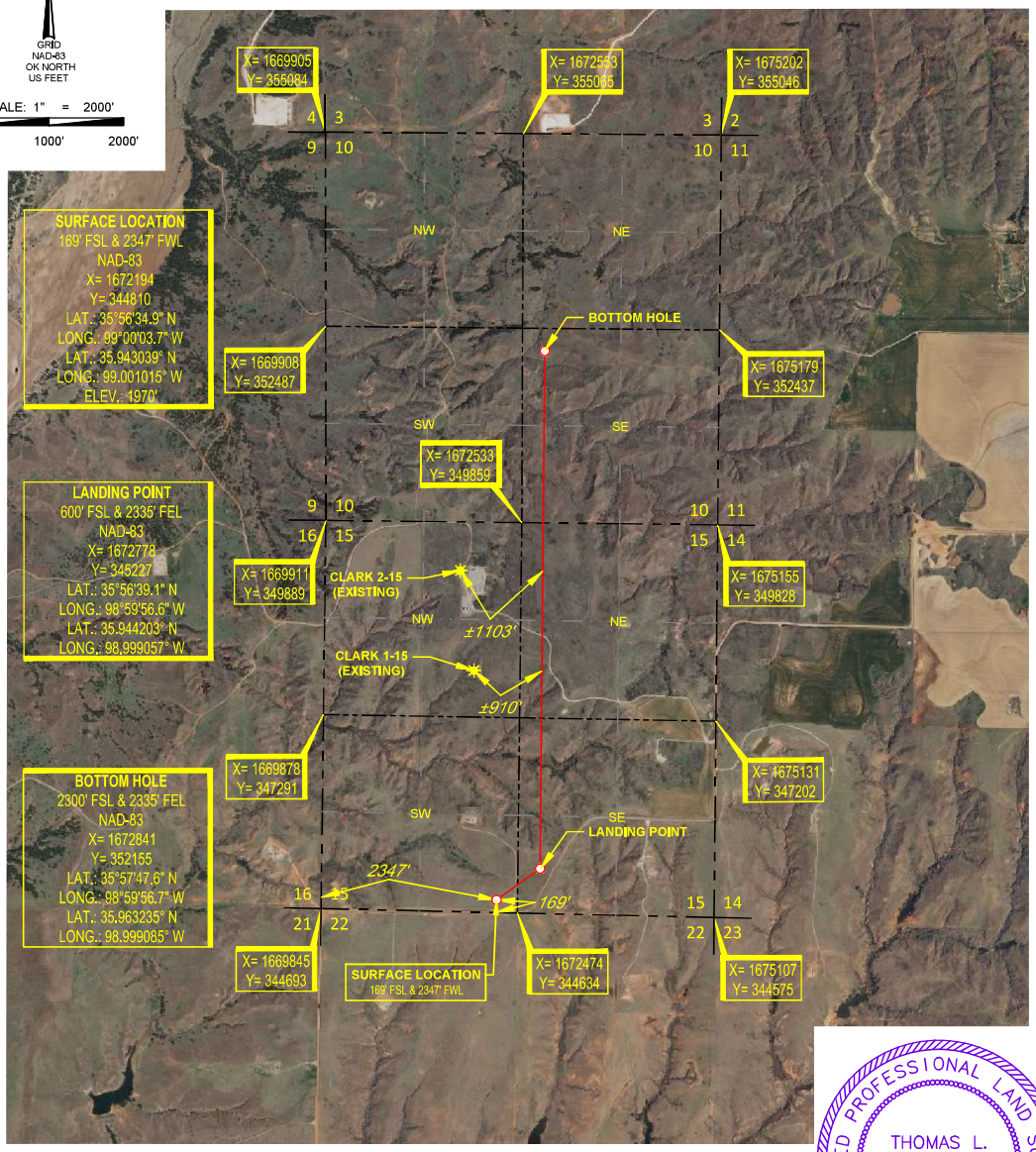

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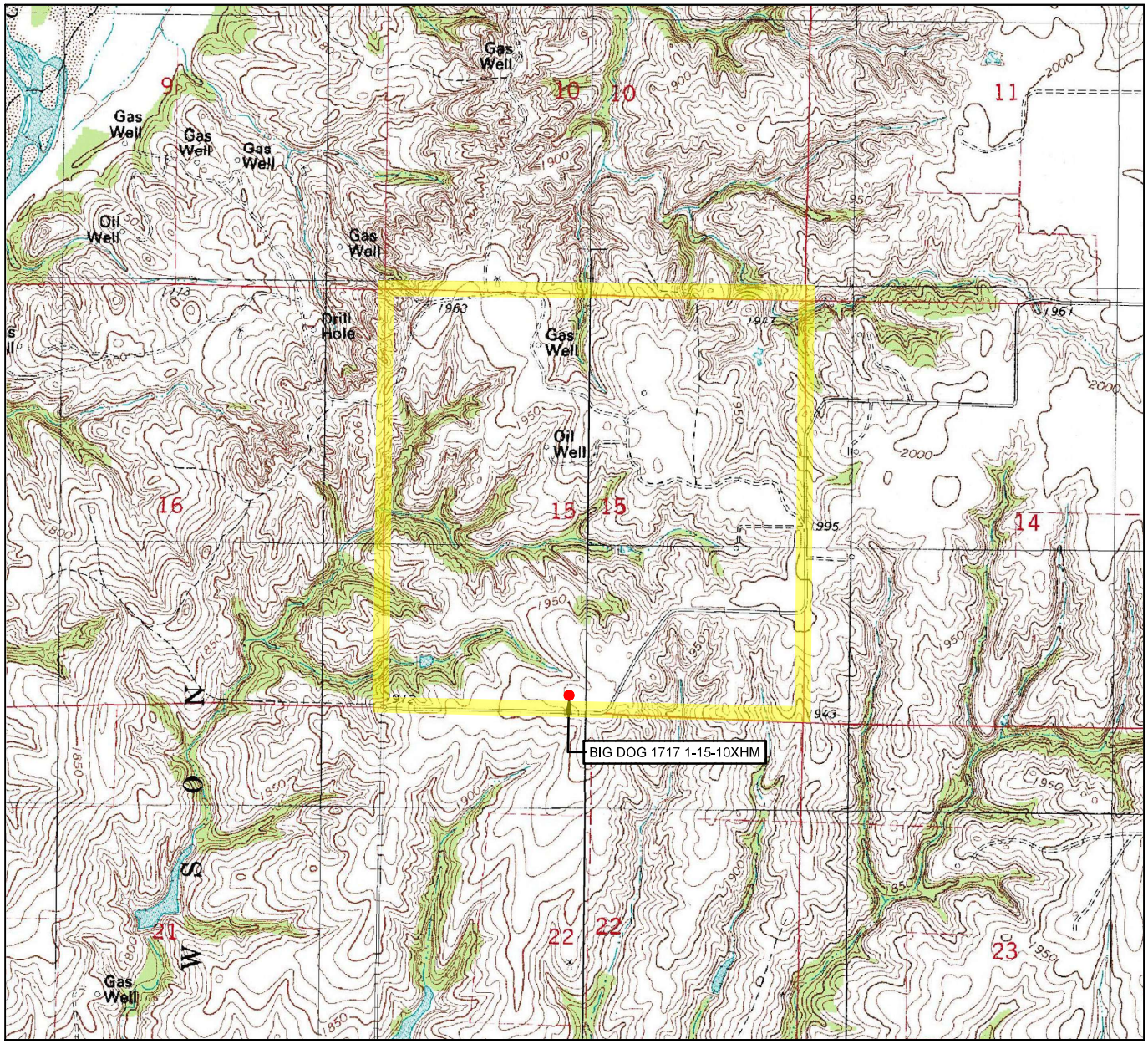
LOCATION & ELEVATION VERIFICATION MAP



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SECTION 15 TWP 17N RGE 17W MERIDIAN I.M.
COUNTY DEWEY STATE OKLAHOMA
DESCRIPTION 169' FSL & 2347' FWL
ELEVATION 1970'

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 BLAKE PRODUCTION CO.. 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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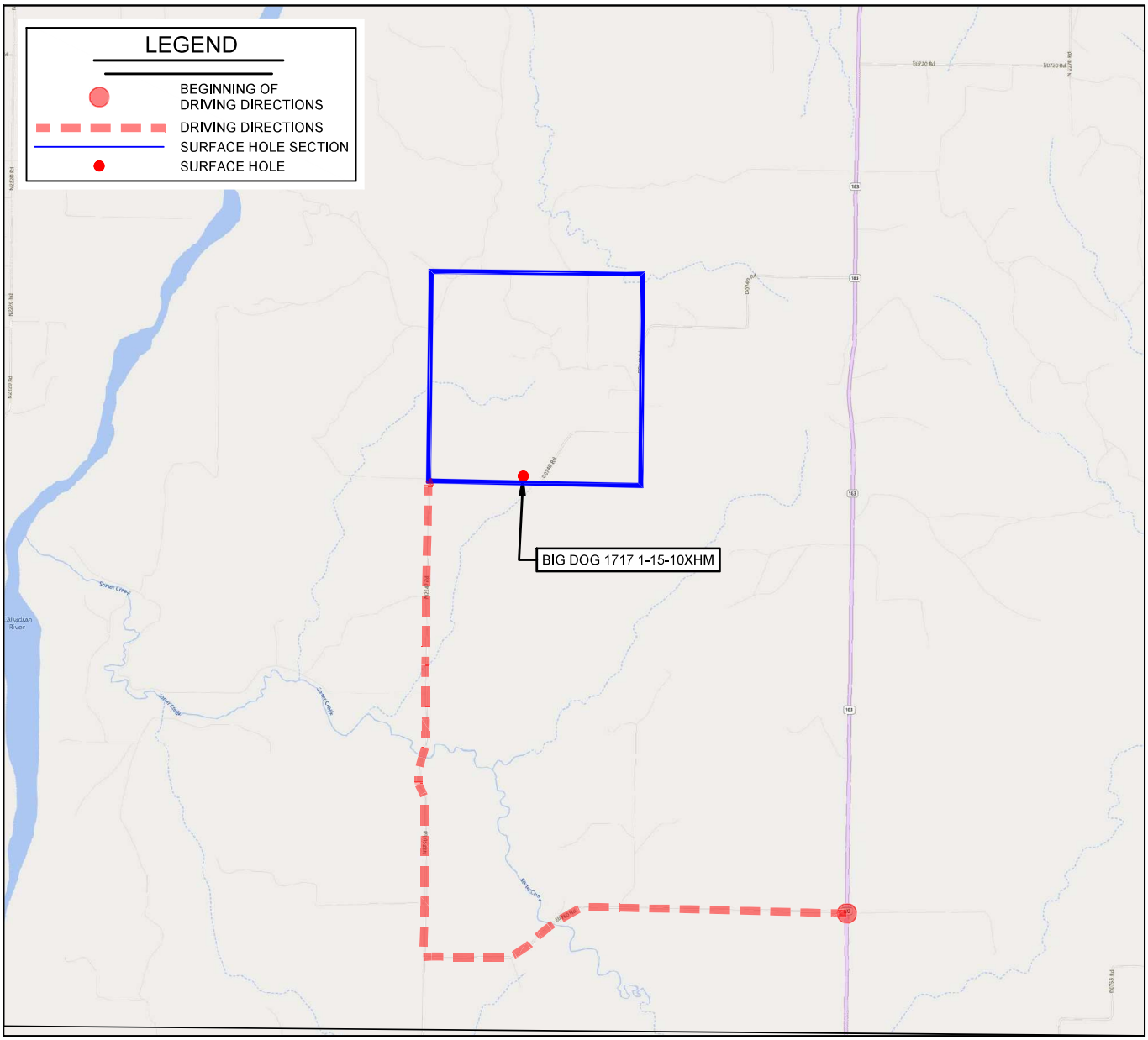
VICINITY MAP



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COUNTY DEWEY STATE OKLAHOMA

DESCRIPTION 169' FSL & 2347' FWL

DISTANCE & DIRECTION

FROM THE INTERSECTION OF HWY-183 AND E0760 RD. GO ±2.1 MI. WEST ON E0760 RD., THEN GO ±2.2 MI. NORTH ON N2240 RD. TO THE SOUTHWEST CORNER OF SECTION 15-T17N-R17W.

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SCALE: 1" = 10000'

0' 5000' 10000'

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