API NUMBER: 043 23723

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: 06/10/2021
Expiration Date: 12/10/2022

PERMIT TO DRILL

WELL LOCATION: Section: 23 Township: 18N Range: 16W County: DEWEY

SPOT LOCATION: NW NW NE NE FEET FROM QUARTER: FROM **NORTH** FROM **EAST**

SECTION LINES: **241** **1073**

Lease Name: **MR PROSPECTOR 1816** **Well No:** **1-14H** **Well will be** **241** **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

FIELDSHIRE ROYALTIES, LLC
PO BOX 7915
EDMOND OK 73083

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

	Name	Code	Depth
1	RED FORK	404RDFK	8500

Spacing Orders: 718268 Location Exception Orders: 718657 Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending Working interest owners' notified: *** Special Orders: No Special Orders

Total Depth: 14000 Ground Elevation: 1692 **Surface Casing: 2000** Depth to base of Treatable Water-Bearing FM: 130

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: 21-37635

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: 100000 Average: 40000
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: 14	Township: 18N	Range: 16W	Meridian: IM	Total Length:	4785
County:	DEWEY			Measured Total Depth:	14000
Spot Location of End Point:	C	NE	NE	NE	True Vertical Depth: 8550
Feet From:	**NORTH**	1/4 Section Line:	330	End Point Location from Lease,Unit, or Property Line:	330
Feet From:	**EAST**	1/4 Section Line:	330		

NOTES:

Category	Description
DEEP SURFACE CASING	[5/18/2021 - 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	[5/18/2021 - 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
INTERMEDIATE CASING	[5/18/2021 - 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
LOCATION EXCEPTION - 718657	[6/10/2021 - G56] - (I.O.) E2 E2 14-18N-16W X201902609 RDFK COMPL INT NCT 330' FNL, NCT 330' FSL, NCT 330' FEL BLAKE PROD CO 6/1/2021
MEMO	[5/18/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 718268	[5/20/2021 - G56] - (160)(HOR) E2 E2 14-18N-16W EST RDFK COMPL INT NCT 330' FB (COEXIST WITH SP # 211649)

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WELL LOCATION

MR. PROSPECTOR 1816 1-14H
BLAKE PRODUCTION
SECTION 23, TOWNSHIP 18N, RANGE 16W, I.M.
DEWEY COUNTY, OKLAHOMA

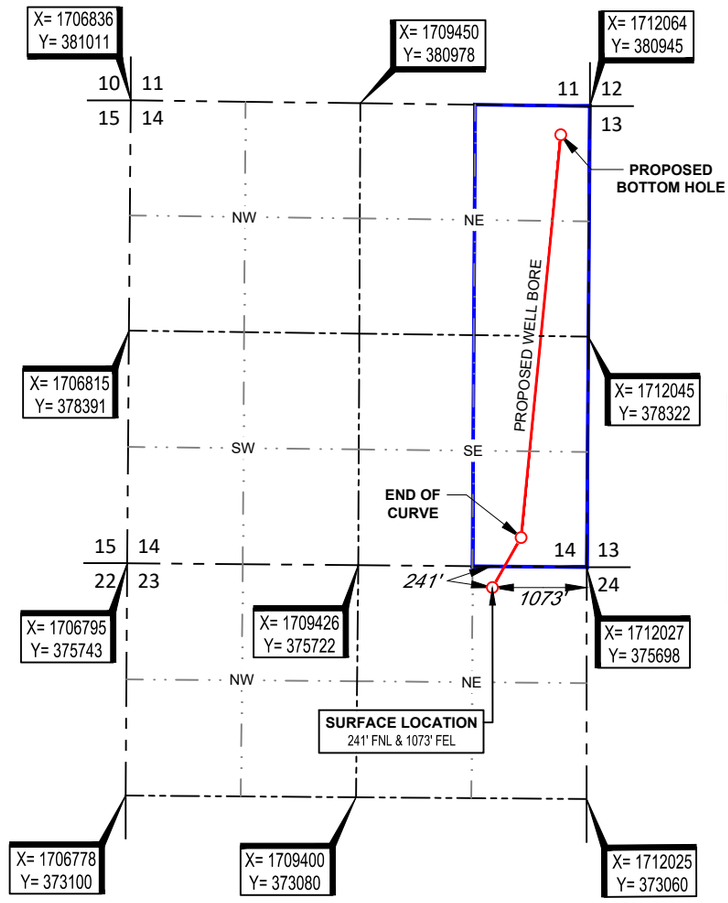
LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- 16TH LINE
- PROPOSED WELL BORE
- UNIT BOUNDARY

GRID
NAD-83
OK NORTH
US FEET

SCALE: 1" = 2000'

0' 1000' 2000'



SURFACE LOCATION
241' FNL & 1073' FEL
NAD-83
X= 1710953
Y= 375466
LAT.: 36°01'41.8" N
LONG.: 98°52'15.6" W
LAT.: 36.028279° N
LONG.: 98.871011° W
ELEV.: 1692'

PROPOSED BOTTOM HOLE
330' FNL & 330' FEL
NAD-83
X= 1711732
Y= 380619
LAT.: 36°02'32.8" N
LONG.: 98°52'06.7" W
LAT.: 36.042453° N
LONG.: 98.868535° W

END OF CURVE
330' FSL & 750' FEL
NAD-83
X= 1711279
Y= 376035
LAT.: 36°01'47.5" N
LONG.: 98°52'11.7" W
LAT.: 36.029849° N
LONG.: 98.869927° W

LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
05-10-21
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. MR. PROSPECTOR 1816 1-14H

SECTION 23 TWP 18N RGE 16W MERIDIAN I.M.
COUNTY DEWEY STATE OKLAHOMA
DESCRIPTION 241' FNL & 1073' FEL

MR. PROSPECTOR 1816 1-14H	REVISION: INT	DATE
DATE: 05/05/2021		
FILE: LO_MR_PROSPECTOR_1816_1-14H_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, 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. 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. END OF CURVE, PROPOSED BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
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WELL LOCATION

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SECTION 23, TOWNSHIP 18N, RANGE 16W, I.M.
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LEGEND

- SECTION LINE
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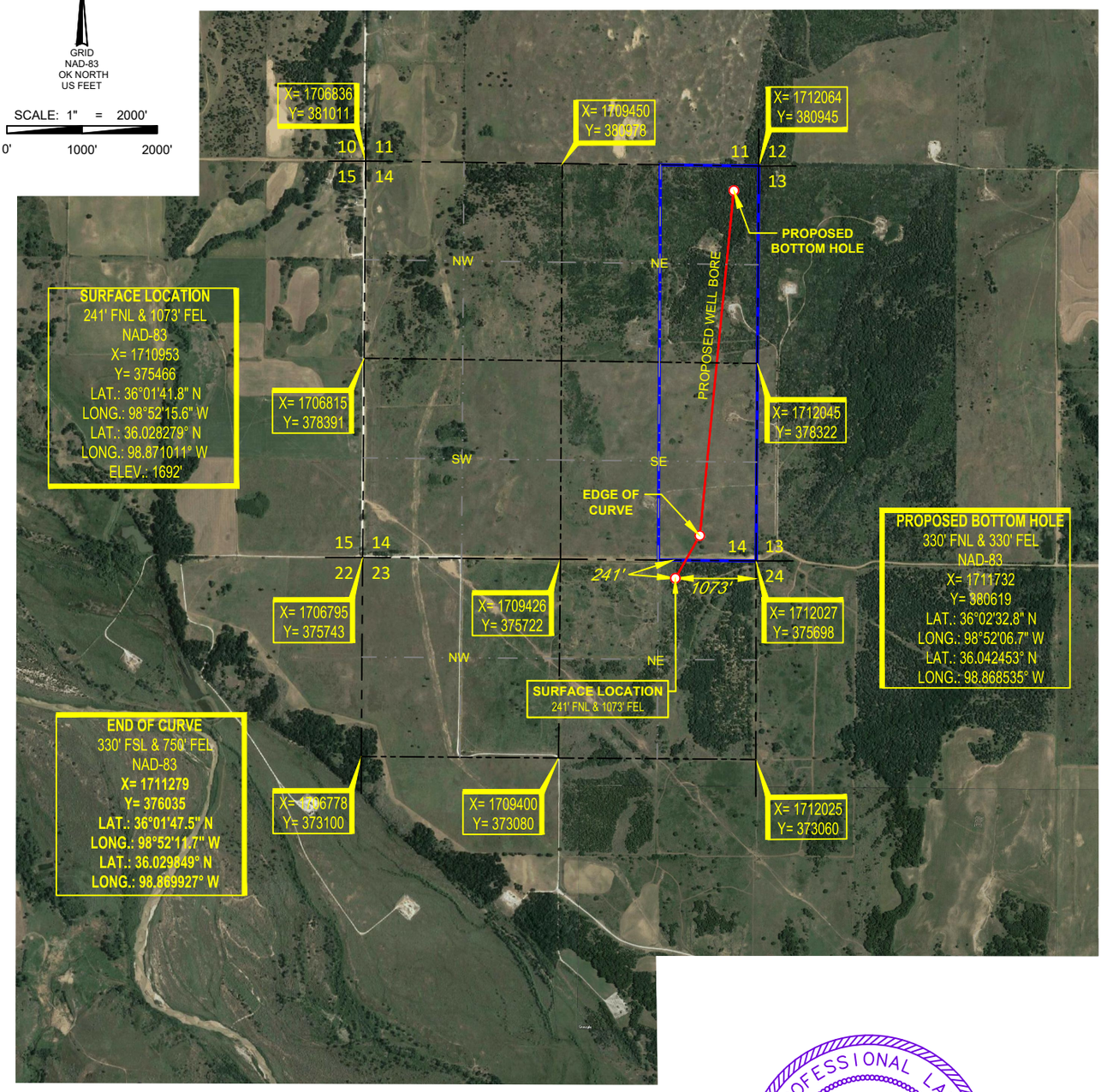
0' 1000' 2000'



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SECTION 23 TWP 18N RGE 16W MERIDIAN I.M.
COUNTY DEWEY STATE OKLAHOMA
DESCRIPTION 241' FNL & 1073' FEL

MR. PROSPECTOR 1816 1-14H	REVISION: INT	DATE
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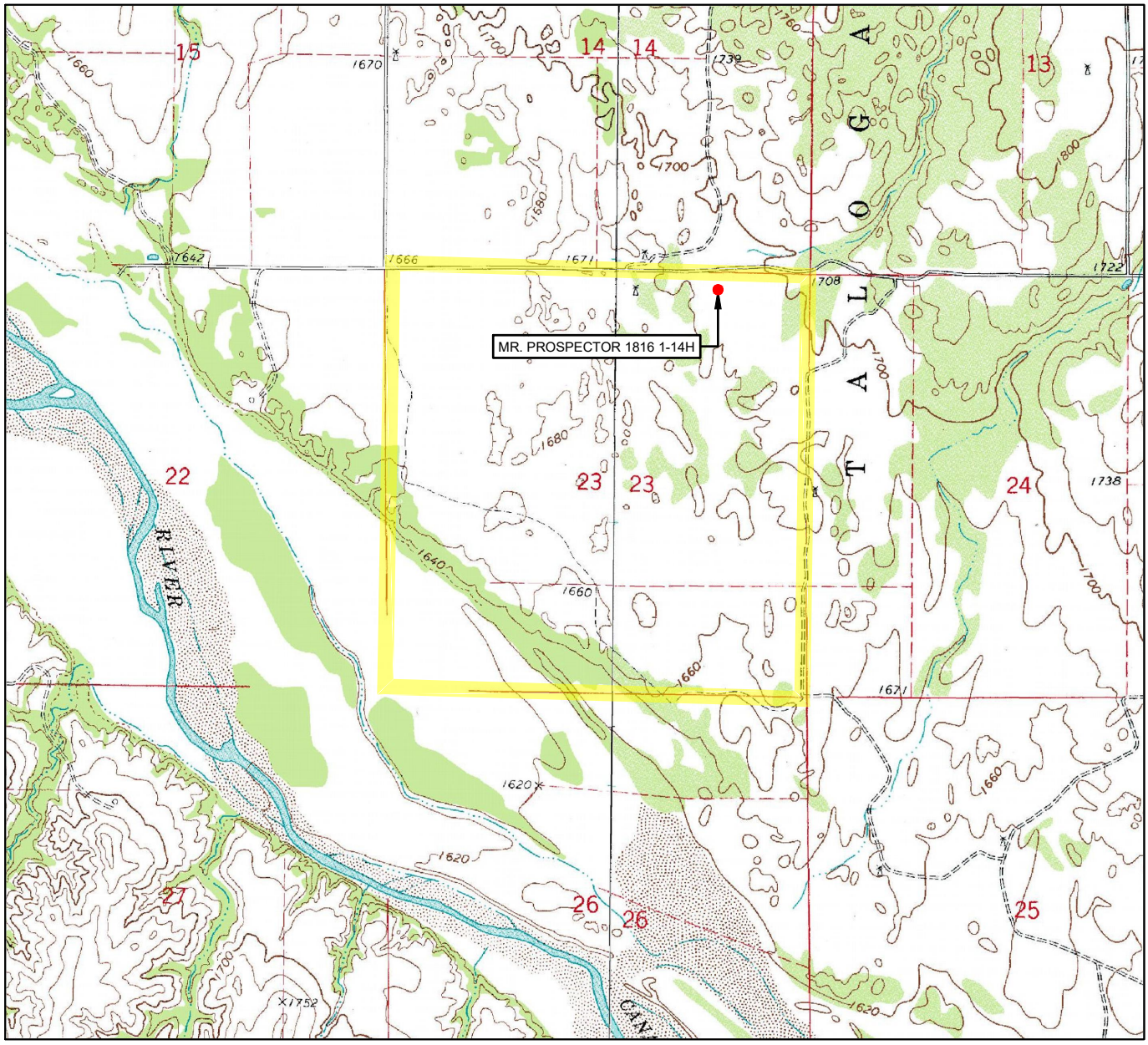
LOCATION & ELEVATION VERIFICATION MAP



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SECTION 23 TWP 18N RGE 16W MERIDIAN I.M.

COUNTY DEWEY STATE OKLAHOMA

DESCRIPTION 241' FNL & 1073' FEL

ELEVATION 1692'

SCALE: 1" = 2000'

0' 1000' 2000'

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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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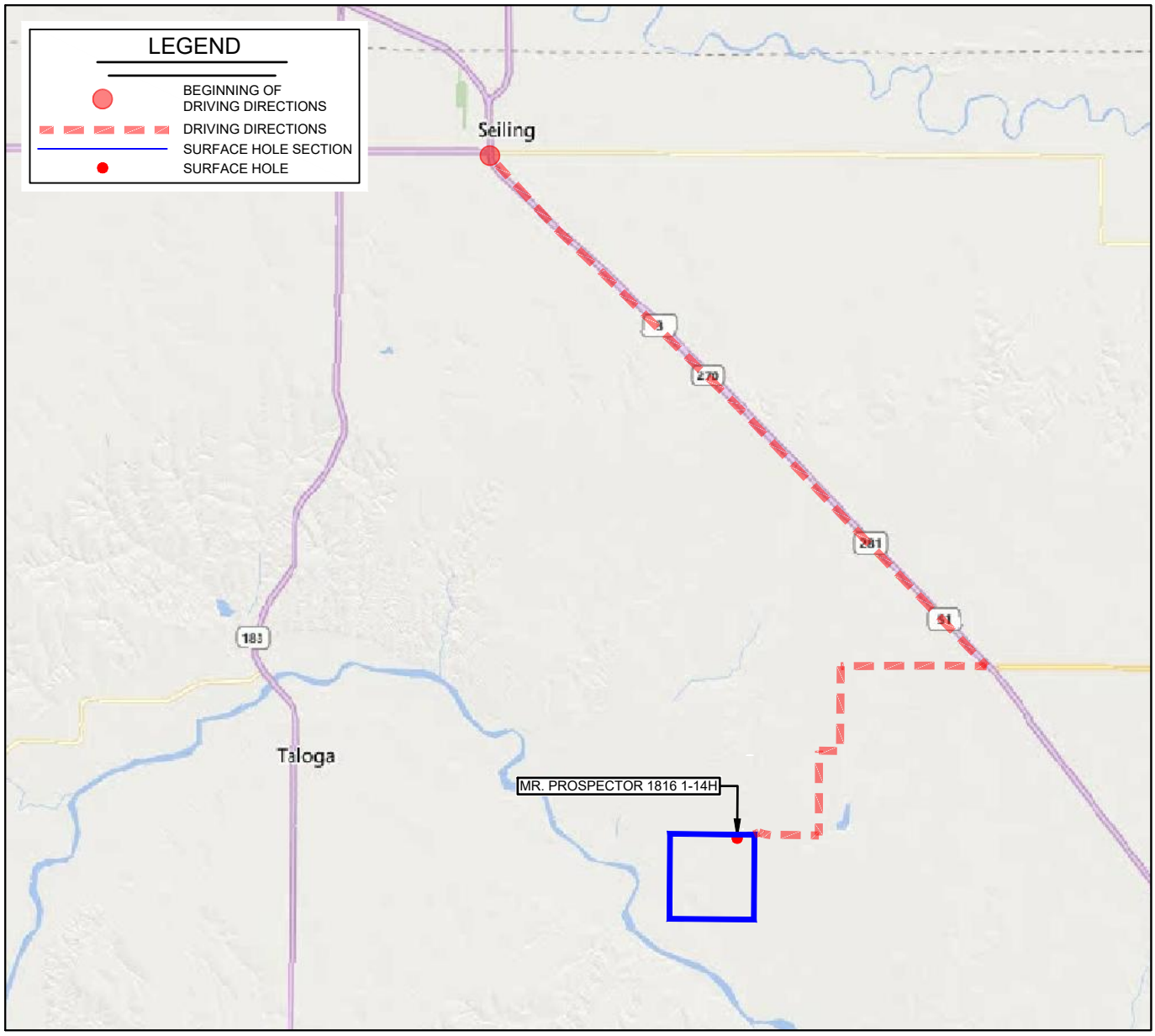
VICINITY MAP



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SECTION 23 TWP 18N RGE 16W MERIDIAN I.M.
COUNTY DEWEY STATE OKLAHOMA
DESCRIPTION 241' FNL & 1073' FEL
DISTANCE & DIRECTION
FROM SEILING, OK, GO ±8.5 MI. SOUTH ON US-270/US-281/OK-3/OK-51, THEN ±1.75 MI. WEST ON E0660 RD, THEN ±1.0 MI. SOUTH, THEN ±0.25 MI. WEST, THEN ±1 MILE SOUTH, THEN ±0.75 MI. WEST TO THE NORTHEAST CORNER OF SECTION 23-T18N-R16W.

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SCALE: 1" = 10000'

0' 5000' 10000'

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