

API NUMBER: 137 27676

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

Approval Date: 04/04/2022
Expiration Date: 10/04/2023

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 15 Township: 3S Range: 5W County: STEPHENS

SPOT LOCATION: ☐ SW ☐ NW ☐ NE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 2153 1157

Lease Name: HEFNER Well No: 73 Well will be 823 feet from nearest unit or lease boundary.
Operator Name: BANNER OIL & GAS LLC Telephone: 4058822456 OTC/OCC Number: 22792 0

BANNER OIL & GAS LLC
10011 S PENNSYLVANIA AVE
OKLAHOMA CITY, OK 73159-6905

DAVID SPURGIN
PO BOX 14
VELMA OK 73491

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

Name	Code	Depth
1 LOCO	405LOCO	750

Spacing Orders: No Spacing Location Exception Orders: No Exceptions Increased Density Orders: No Density

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

Total Depth: 1250 Ground Elevation: 876 Surface Casing: 0 Depth to base of Treatable Water-Bearing FM: 100

Alternate Casing Program

Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String.

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

Approved Method for disposal of Drilling Fluids:

F. Haul to Commercial soil farming facility	Sec. 2 Twn. 6S Rng. 4W Cnty. 67 Order No: 587652
H. (Other)	CBL REQUIRED

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: oscar

NOTES:

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.

Category	Description
ALTERNATE CASING	[4/1/2022 - GC2] - APPROVED; COPY OF CBL NEEDS TO BE SUBMITTED TO THE TECHNICAL STAFF IMMEDIATELY. A COMPLETION ATTEMPT, IN CASES WHERE THE PROTECTION OF THE TREATABLE WATER IS QUESTIONABLE, IS STRICTLY PROHIBITED. RULE 165: 10-3-4 (D)(4)(C)
HYDRAULIC FRACTURING	<p>[4/1/2022 - 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>
SPACING	[4/4/2022 - G56] - LOCO UNSPACED; 150-ACRE LEASE (E2 SE4, E2 NW4 SE4, E2 SW4 SE4, S2 SE4 NE4, SE4 SW4, NE4)



SCALE: 1" = 1000'

WELL LOCATION

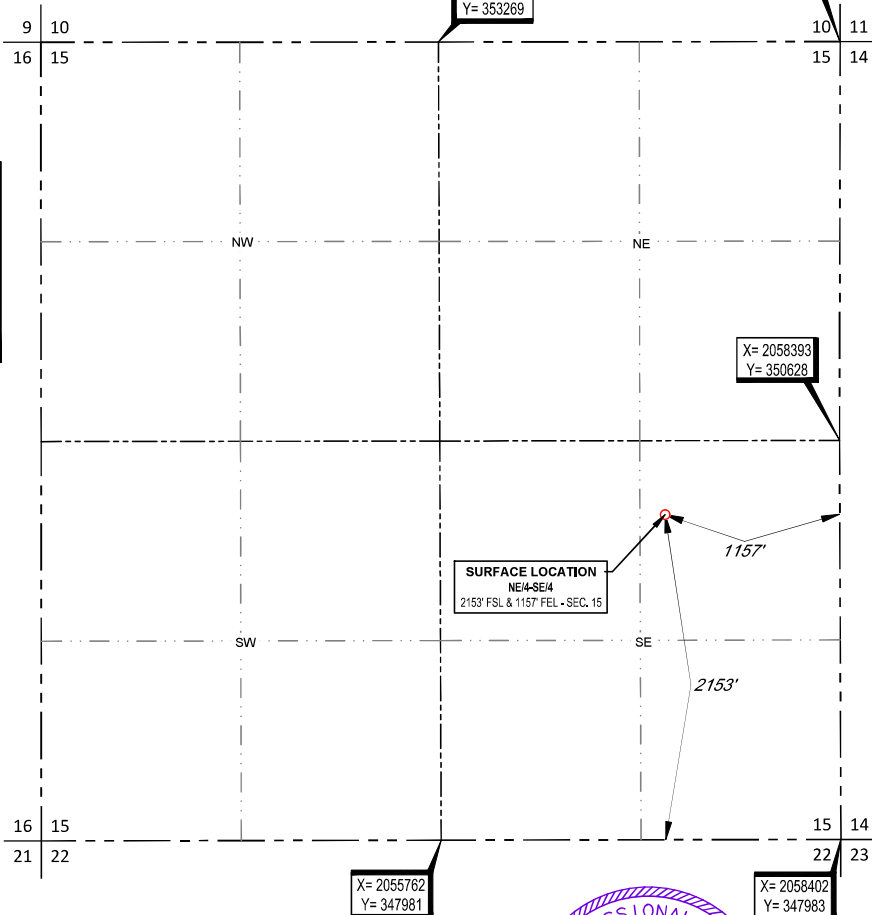
HEFNER #73
BANNER OIL & GAS, LLC.
SECTION 15, TOWNSHIP 3S, RANGE 5W, I.M.
STEPHENS COUNTY, OKLAHOMA

LEGEND

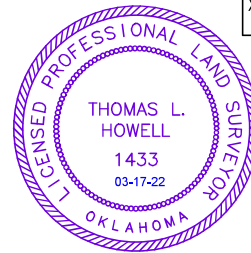
--- SECTION LINE
--- QUARTER SECTION LINE
--- 16TH LINE

SURFACE LOCATION

2153' FSL & 1157' FEL
NAD-83
X= 2057237
Y= 350135
LAT.: 34°17'42.4" N
LONG.: 97°42'22.3" W
LAT.: 34.295100° N
LONG.: 97.706198° W
ELEV.: 876'



SURFACE LOCATION
NE1/4-SE1/4
2153' FSL & 1157' FEL - SEC. 15



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.

HEFNER #73



13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
TELEPHONE: (405) 843-4947 OR (800) 654-3219
FAX: (405) 843-0975
CERTIFICATE OF AUTHORIZATION NO. 1292 LS
WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. _____

SECTION 15 TWP 3S RGE 5W MERIDIAN I.M.
COUNTY STEPHENS STATE OKLAHOMA

DESCRIPTION 2153' FSL & 1157' FEL

HEFNER #73

REVISION:

INT DATE

DATE: 03/15/22

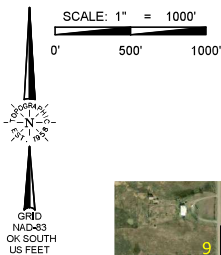
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SHEET: 1 OF 2

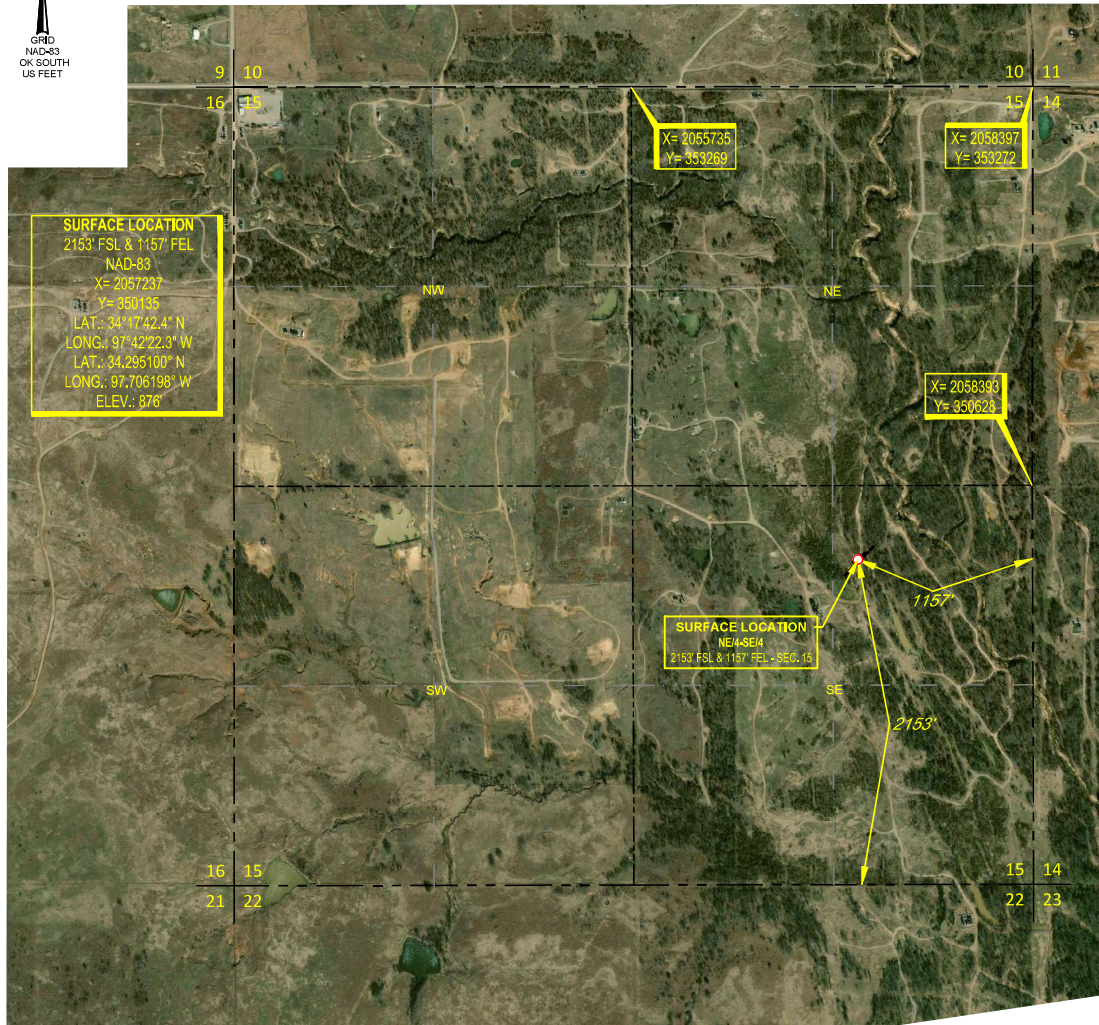
NOTES:

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 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 BANNER OIL & GAS, LLC. 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

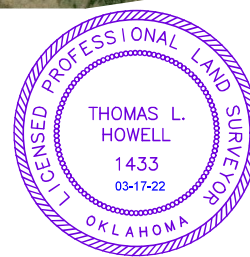


WELL LOCATION
HEFNER #73
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SECTION 15, TOWNSHIP 3S, RANGE 5W, I.M.
STEPHENS COUNTY, OKLAHOMA

LEGEND	
	SECTION LINE
	QUARTER SECTION LINE
	16TH LINE



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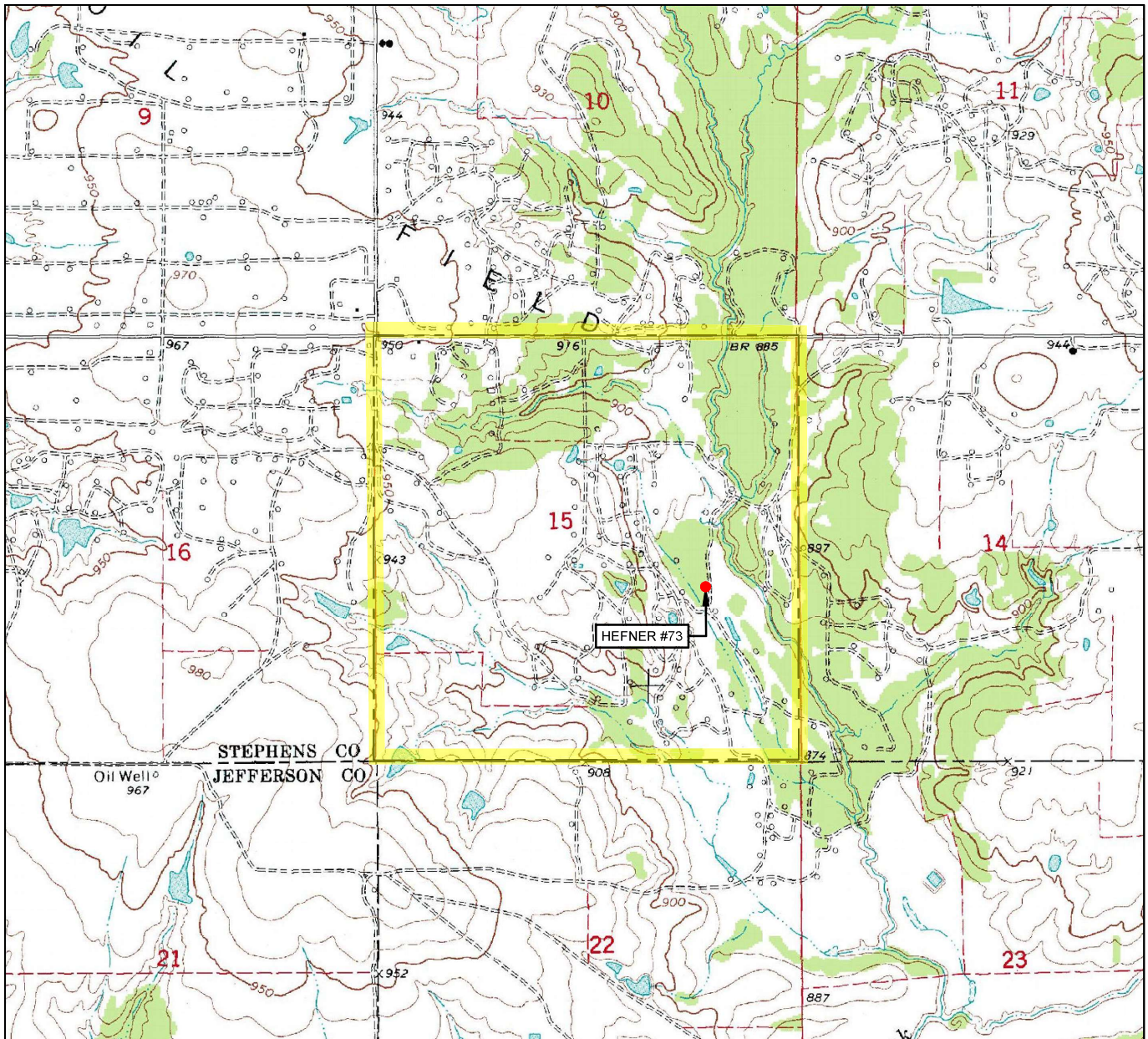
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LEASE NAME & WELL NO. _____
SECTION 15 TWP 3S RGE 5W MERIDIAN I.M.
COUNTY STEPHENS STATE OKLAHOMA
DESCRIPTION 2153' FSL & 1157' FEL

HEFNER #73	REVISION:		NOTES:
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FILE:LO_HEFNER_73			
DRAWN BY: EAH			
SHEET: 2 OF 2			

LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. _____ HEFNER #73

SECTION 15 TWP 3S RGE 5W MERIDIAN I.M.

COUNTY STEPHENS STATE OKLAHOMA

DESCRIPTION 2153' FSL & 1157' FEL

ELEVATION 876'



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, SOUTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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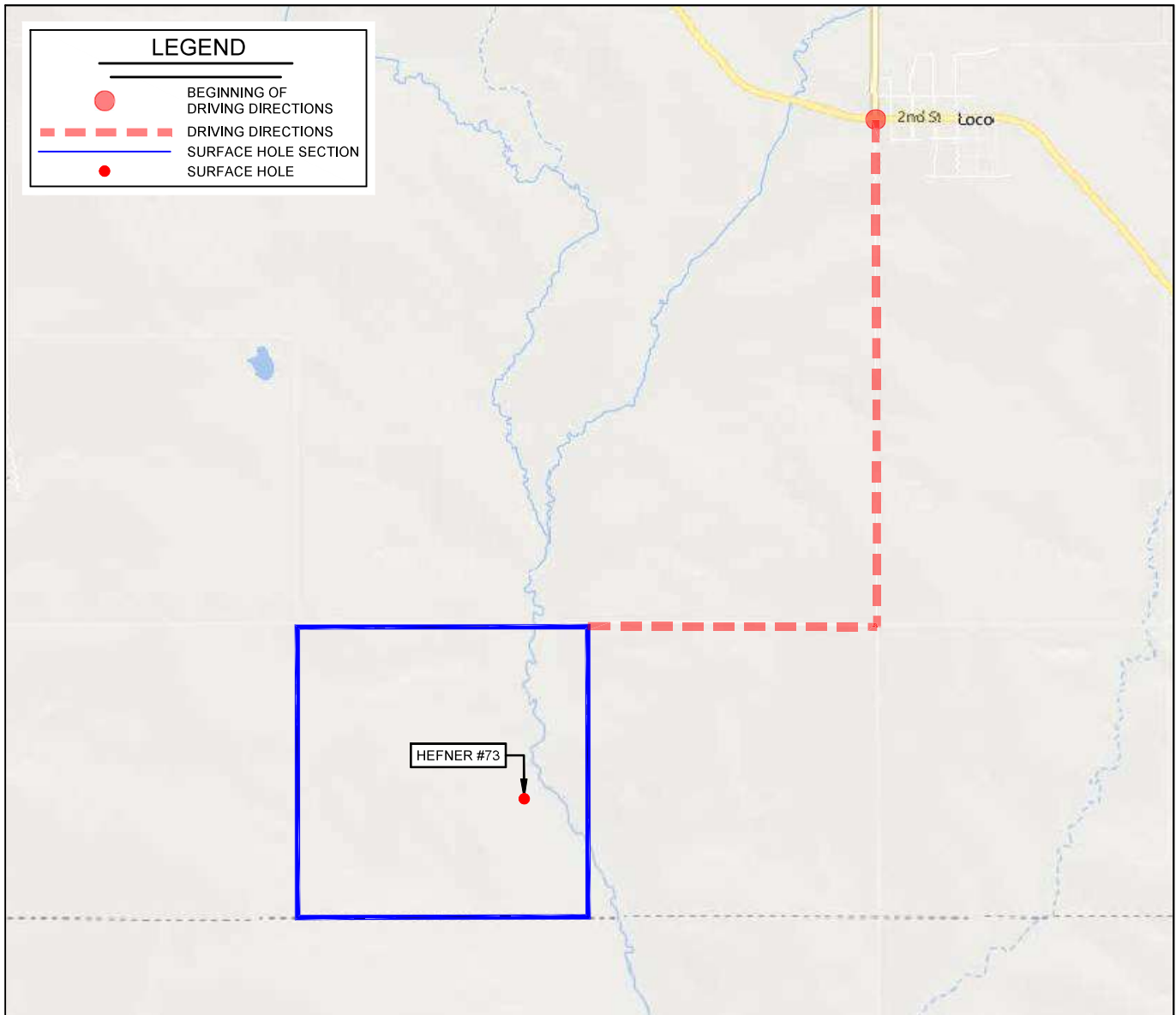
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VICINITY MAP



LEASE NAME & WELL NO. HEFNER #73

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COUNTY STEPHENS STATE OKLAHOMA

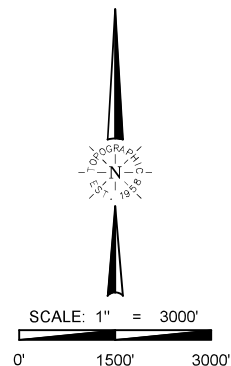
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DISTANCE & DIRECTION

FROM LOCO, OK. GO ± 1.75 MI. SOUTH ON N2980 RD., THEN GO ± 1.0 MI. WEST ON E1870 RD. TO THE NORTHEAST CORNER OF SECTION 15-T3S-R5W.

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