API NUMBER: 117 23708

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: 11/06/2020
Expiration Date: 05/06/2022

PERMIT TO DRILL

WELL LOCATION: Section: 18 Township: 22N Range: 4E County: PAWNEE

SPOT LOCATION: N2 N2 NE NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**

SECTION LINES: **200** **1980**

Lease Name: **EISENHOWER 7-22N-4E** **Well No:** **1H** **Well will be** **200** **feet from nearest unit or lease boundary.**

Operator Name: **EAGLE ROAD OIL LLC** Telephone: 9189867614; 2153832433 OTC/OCC Number: 23778 0

EAGLE ROAD OIL LLC
321 S BOSTON AVE STE 700
TULSA, OK 74103-3312

CHARLES MARSHAL HUDGINS
339346 E 4200 RD
MORRISON OK 73061

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	3830

Spacing Orders: 713535 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders

Pending CD Numbers: 202001387
202001386
202001385

Working interest owners' notified: *** Special Orders: No Special Orders

Total Depth: 11639 Ground Elevation: 997 **Surface Casing: 380** Depth to base of Treatable Water-Bearing FM: 280

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: 20-37436
H. (Other)	CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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

MULTI UNIT HOLE 1

Section: 6 Township: 22N Range: 4E Meridian: IM
County: PAWNEE
Spot Location of End Point: N2 N2 NE SW
Feet From: **NORTH** 1/4 Section Line: 165
Feet From: **WEST** 1/4 Section Line: 1980

Total Length: 7250
Measured Total Depth: 11639
True Vertical Depth: 3980
End Point Location from Lease,Unit, or Property Line: 167

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
HYDRAULIC FRACTURING	[10/29/2020 - 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
PENDING CD - 202001385	11/2/2020 - G56 - (I.O.) S2 6 & 7-22N-4E X202001387 MSSP S2 6-22N-4E X713535 MSSP 7-22N-4E SHL (18-22N-4E) 200' FNL, 1980' FWL COMPL INT (7-22N-4E) NCT 165' FSL, NCT 0' FNL, NCT 990' FWL COMPL INT (S2 6-22N-4E) NCT 165' FNL, NCT 0' FSL, NCT 990' FWL NO OP NAMED REC 8/31/2020 (MOORE)
PENDING CD - 202001386	11/2/2020 - G56 - (I.O.) S2 6 & 7-22N-4E EST MULTIUNIT HORIZONTAL WELL X202001387 MSSP S2 6-22N-4E X713535 MSSP 7-22N-4E 67% 7-22N-4E 33% S2 6-22N-4E NO OP NAMED REC 8/31/2020 (MOORE)
PENDING CD - 202001387	11/2/2020 - G56 - (320)(HOR) S2 6-22N-4E VAC 641403 MSCT, MSSLM SE4 6-22N-4E EST MSSP POE TO BHL NCT 660' FB REC 8/31/2020 (MOORE)
SPACING - 713535	11/2/2020 - G56 - (640)(HOR) 7-22N-4E EST MSSP POE TO BHL NCT 660' FB

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WELL LOCATION

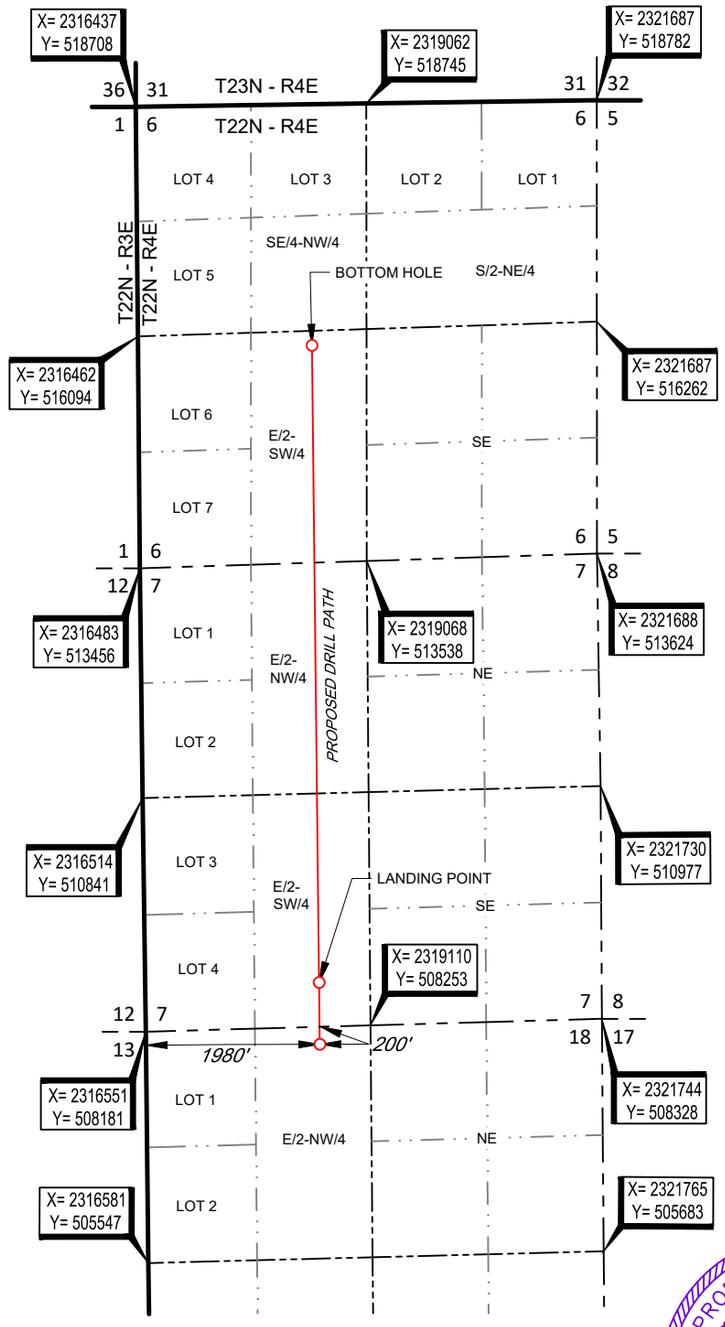
EISENHOWER 7-22N-4E-1H
EAGLE ROAD OIL, LLC.
SECTION 18, TOWNSHIP 22N, RANGE 4E, I.M.
PAWNEE COUNTY, OKLAHOMA

LEGEND

- SECTION LINE
- TOWNSHIP/RANGE LINE
- QUARTER SECTION LINE
- 16TH LINE
- PROPOSED WELL BORE

GRID
NAD-27
OK NORTH
US FEET

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



BOTTOM HOLE
165' FNL-SW/4 & 1980' FWL
NAD-27
X= 2318443
Y= 515993
LAT.: 36°24'45.5" N
LONG.: 96°55'04.0" W
LAT.: 36.412641° N
LONG.: 96.917783° W

SURFACE LOCATION
200' FNL & 1980' FWL
NAD-27
X= 2318533
Y= 508037
LAT.: 36°23'26.8" N
LONG.: 96°55'04.0" W
LAT.: 36.390785° N
LONG.: 96.917780° W
ELEV: 997'

LANDING POINT
503' FSL & 1981' FWL
NAD-27
X= 2318525
Y= 508740
LAT.: 36°23'33.8" N
LONG.: 96°55'04.0" W
LAT.: 36.392716° N
LONG.: 96.917781° W

LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
11-05-20
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. EISENHOWER 7-22N-4E-1H
SECTION 18 TWP 22N RGE 4E, MERIDIAN I.M.
COUNTY PAWNEE STATE OKLAHOMA
DESCRIPTION 200' FNL & 1980' FWL

EISENHOWER 7-22N-4E-1H	REVISION: INT	REVISION: DATE
	JS	11/03/2020
DATE: 10/06/2020	JS	11/05/2020
FILE: LO_EISENHOWER_7-22N-4E-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, NORTH 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 EAGLE ROAD OIL, 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

O:\SURVEY\EAGLE_ROAD_OIL_LLC\EISENHOWER #1-7\FINAL_PRODUCTS\LO_EISENHOWER_7-22N-4E-1H_REV2.DWG 11/5/2020 3:57:19 PM tyler rogers

WELL LOCATION

EISENHOWER 7-22N-4E-1H
EAGLE ROAD OIL, LLC.
SECTION 18, TOWNSHIP 22N, RANGE 4E, I.M.
PAWNEE COUNTY, OKLAHOMA

LEGEND

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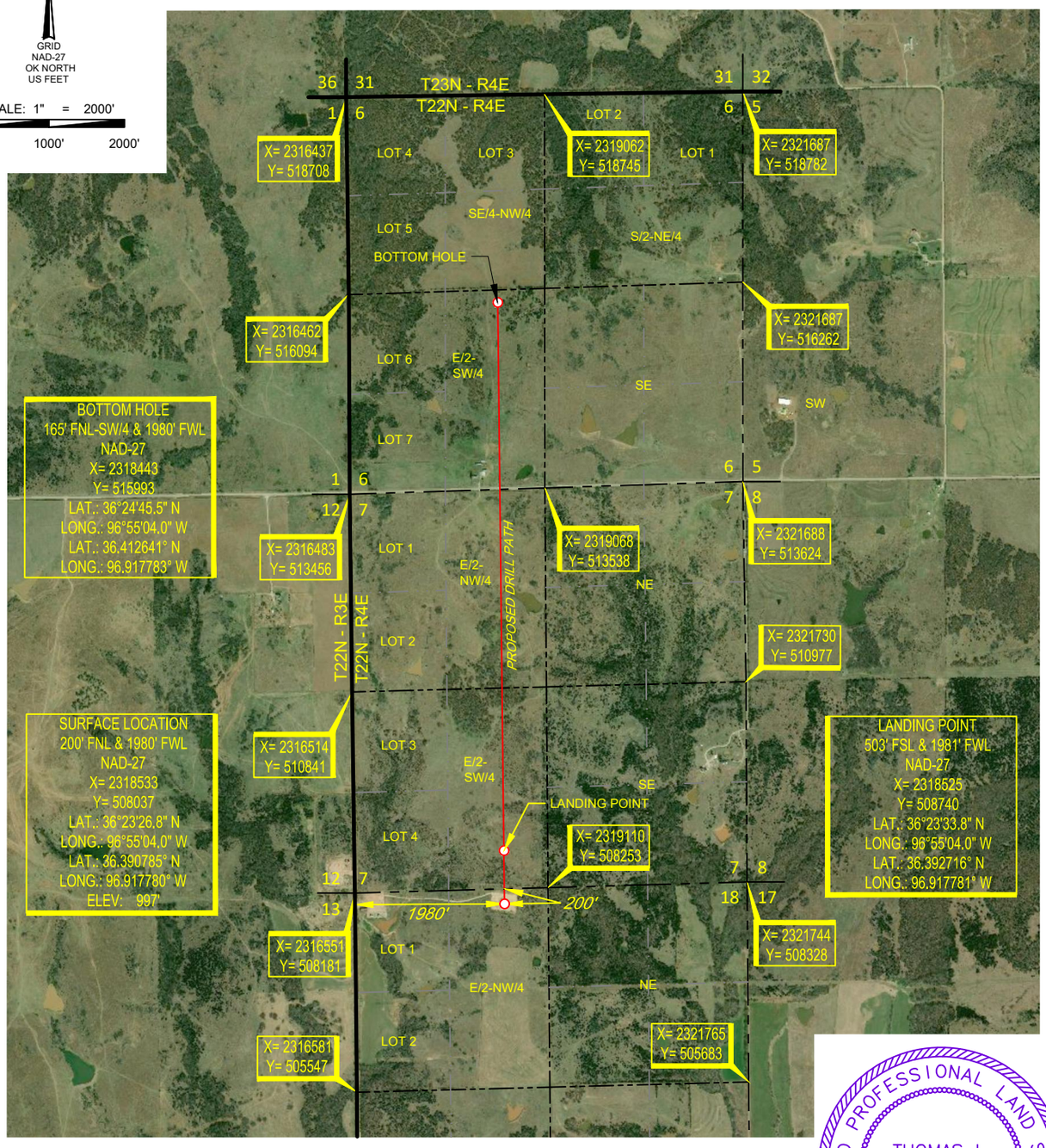

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SECTION 18 TWP 22N RGE 4E, MERIDIAN I.M.
COUNTY PAWNEE STATE OKLAHOMA
DESCRIPTION 200' FNL & 1980' FWL

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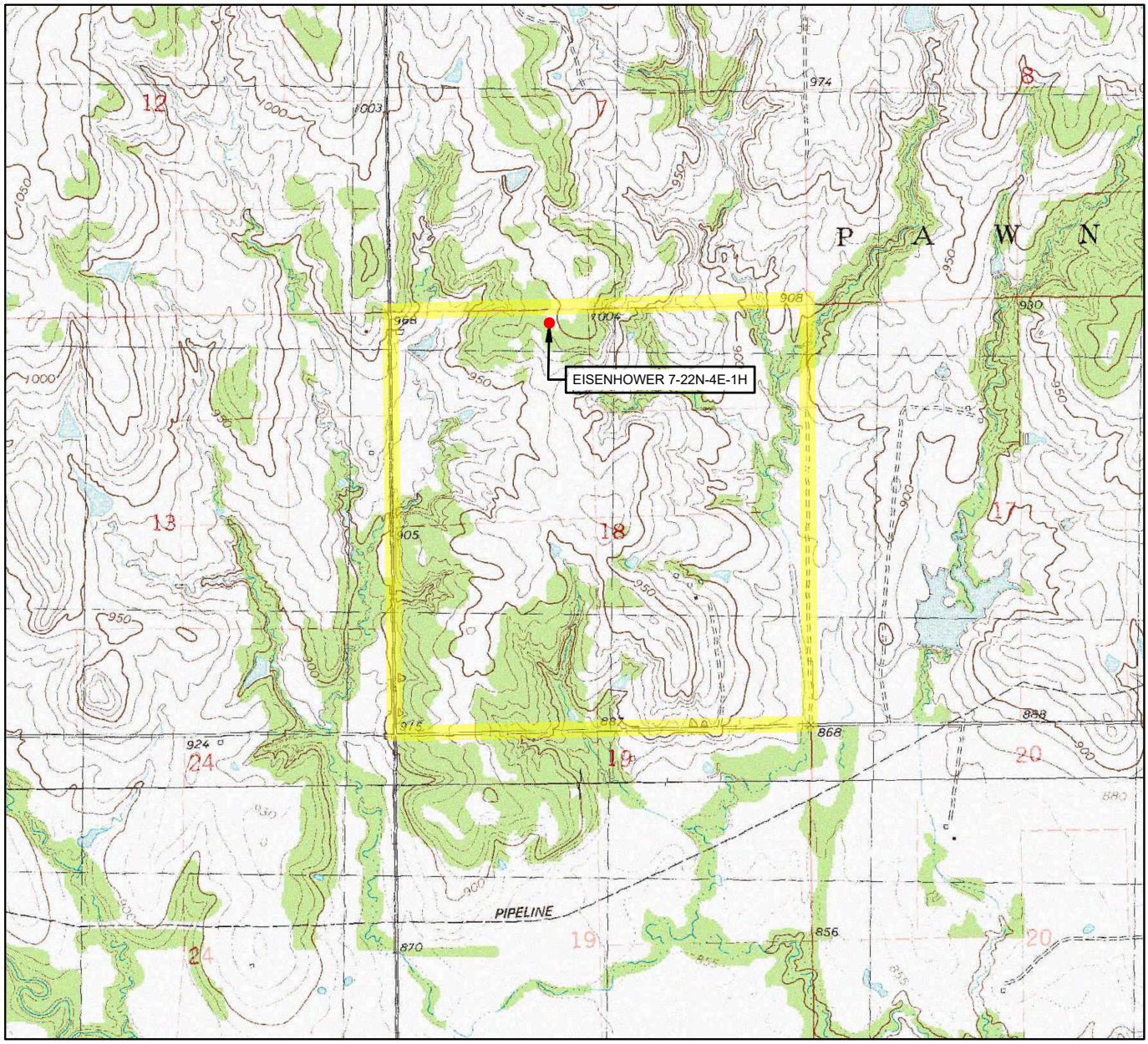
LOCATION & ELEVATION VERIFICATION MAP



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SECTION 18 TWP 22N RGE 4E, MERIDIAN I.M.
COUNTY PAWNEE STATE OKLAHOMA
DESCRIPTION 200' FNL & 1980' FWL
ELEVATION 997'

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 EAGLE ROAD OIL, LLC.. 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 1927, U.S. SURVEY FEET AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

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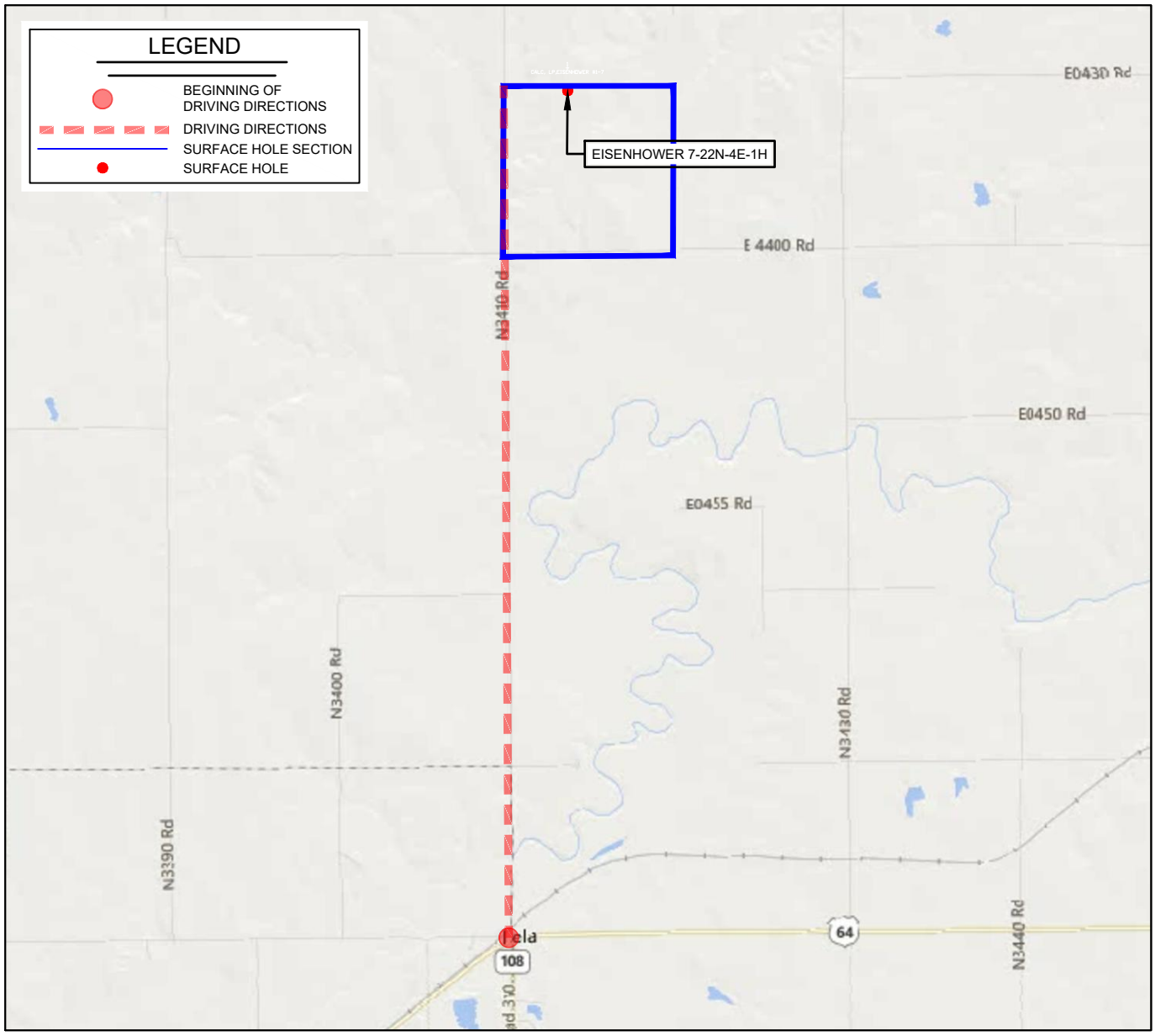
VICINITY MAP



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SECTION 18 TWP 22N RGE 4E, MERIDIAN I.M.

COUNTY PAWNEE STATE OKLAHOMA

DESCRIPTION 200' FNL & 1980' FWL

DISTANCE & DIRECTION

FROM THE INTERSECTION OF US-64 & OK-108, GO ±5.0 MI. NORTH ON N3410 RD TO THE NORTHWEST CORNER OF SECTION 18-T22N-R4E.

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SCALE: 1" = 5000'

0' 2500' 5000'

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