

API NUMBER: 093 25276

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

Approval Date: 04/11/2022
Expiration Date: 10/11/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 30 Township: 20N Range: 15W County: MAJOR

SPOT LOCATION: ☐ SW ☐ SW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 285 2360

Lease Name: PENELOPE 2015 Well No: 3-19H30H Well will be 285 feet from nearest unit or lease boundary.

Operator Name: SANDRIDGE EXPLORATION & PRODUCTION Telephone: 4052092407 OTC/OCC Number: 22281 0

SANDRIDGE EXPLORATION & PRODUCTION LLC
1 E SHERIDAN AVE #500
OKLAHOMA CITY, OK 73104-2496

KITTY STEWART REVOCABLE TRUST
KITTY STEWART TRUSTEE
57720 S CR 233
CHESTER OK 73838

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

	Name	Code	Depth
1	MISSISSIPPIAN(MERAMEC-OSAGE)	359MNMCO	9306
2	MERAMEC	353MRMC	9375

Spacing Orders: 131401
220952
724582

Location Exception Orders: 724583
724764

Increased Density Orders: 724409
724410

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 19550 Ground Elevation: 1674

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 420

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 22-38223
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: ALLUVIAL

Pit Location Formation: ALLUVIUM

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: ALLUVIAL

Pit Location Formation: ALLUVIUM

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: 19	Township: 20N	Range: 15W	Meridian: IM	Total Length: 10152
	County: MAJOR			Measured Total Depth: 19550
Spot Location of End Point: N2	N2	NW	NE	True Vertical Depth: 9306
Feet From: NORTH		1/4 Section Line: 150		End Point Location from
Feet From: EAST		1/4 Section Line: 1980		Lease, Unit, or Property Line: 150

NOTES:

Category	Description
DEEP SURFACE CASING	[4/4/2022 - 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
EXCEPTION TO RULE - 724764	[4/11/2022 - G56] - (I.O.) 19-20N-15W X165:10-3-28(C)(2)(B) MNMCO MAY BE CLOSER THAN 600' TO MCQUOWN 4-19 WELL NO OP NAMED 4/7/2022
HYDRAULIC FRACTURING	[4/4/2022 - 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: OCCWEB.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
INCREASED DENSITY - 724409	[4/11/2022 - G56] - 19-20N-15W X220952 MNMCO 1 WELL SANDRIDGE EXPLOR & PROD, LLC 3/23/2022
INCREASED DENSITY - 724410	[4/11/2022 - G56] - 30-20N-15W X131401 MRMCO 1 WELL SANDRIDGE EXPLOR & PROD 3/23/2022
INTERMEDIATE CASING	[4/4/2022 - 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
LOCATION EXCEPTION - 724583	[4/11/2022 - G56] - (I.O.) 19 & 30-20N-15W X220952 MNMCO 19-20N-15W X131401 MRMCO 30-20N-15W COMPL INT (19-20N-15W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FEL COMPL INT (30-20N-15W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FEL SANDRIDGE EXPLOR & PROD, LLC 3/30/2022
MEMO	[4/4/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 131401	[4/11/2022 - G56] - (640) 30-20N-15W EXT 131390 MRMCO, OSGE, OTHERS
SPACING - 220952	[4/11/2022 - G56] - (640) 19-20N-15W EXT 76570/201500 MNMCO
SPACING - 724582	[4/11/2022 - G56] - (I.O.) 19 & 30-20N-15W EST MULTIUNIT HORIZONTAL WELL X220952 MNMCO 19-20N-15W X131401 MRMCO 30-20N-15W 50% 19-20N-15W 50% 30-20N-15W SANDRIDGE EXPLOR & PROD, LLC 3/30/2022



LEGEND

--- SECTION LINE
 --- QUARTER SECTION LINE
 --- EXISTING PIPELINE
 --- COMANCHE ORION SWD

SURFACE USE PLAT
 PENELOPE 2015 PAD
 SANDRIDGE ENERGY
 SECTION 30, TOWNSHIP 20N, RANGE 15W, I.M.
 MAJOR COUNTY, OKLAHOMA

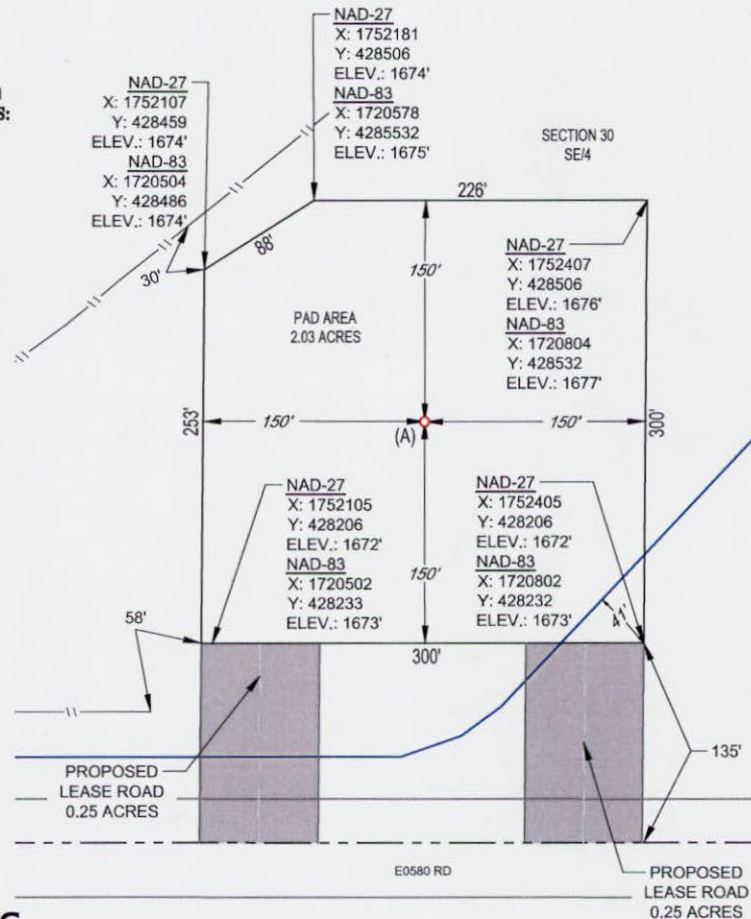


T. Wayne Fisch



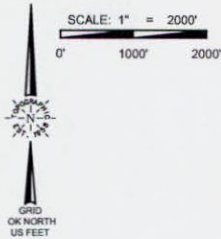
**(A) PENELOPE 2015 3-19H30H
 SURVEY LINE PERPENDICULARS:**

285' FSL & 2360' FEL
COORDINATES:
NAD 27 OK NORTH ZONE:
 X= 1752256 Y= 428356
 LAT.: 36°10'25.8" N LONG.: 98°50'21.8" W
 LAT.: 36°17'38.33" N LONG.: 98°50'38.6" W
NAD 83 OK NORTH ZONE:
 X= 1720653 Y= 428382
 LAT.: 36°10'25.9" N LONG.: 98°50'23.1" W
 LAT.: 36°17'38.72" N LONG.: 98°50'37.56" W



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

PENELOPE 2015 PAD	REVISION:		NOTES:
	INT	DATE	
DATE: 03/08/2022			1. ORIGINAL DOCUMENT SIZE: 8.5" X 14" 2. 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 SANDRIDGE ENERGY. 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. 3. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY
FILE: BO_PENELOPE_2015_3-19H30H_03082022			
DRAWN BY: KEU			
SHEET: 1 OF 1			



WELL LOCATION

PENELOPE 2015 3-19H30H
SANDRIDGE ENERGY
SECTION 30, TOWNSHIP T20N, RANGE R15W, I.M.
MAJOR COUNTY, OKLAHOMA

LEGEND

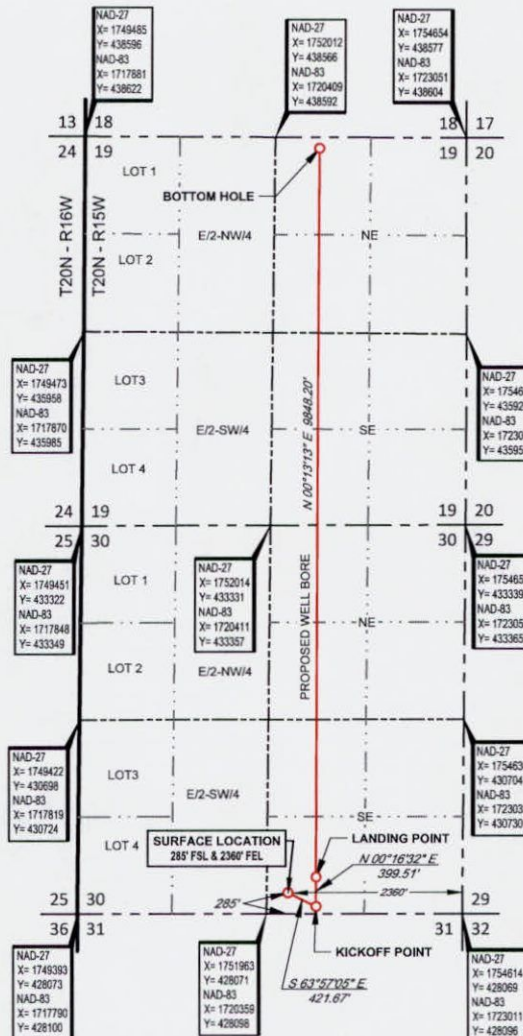
- SECTION LINE
- QUARTER SECTION LINE
- 16TH LINE
- RANGE LINE
- PROPOSED WELL BORE

SURFACE LOCATION
285' FSL & 2360' FEL
NAD-27
X= 1752256
Y= 428356
LAT.: 36°10'25.8" N
LONG.: 98°50'21.8" W
LAT.: 36.173833° N
LONG.: 98.839386° W
NAD-83
X= 1720653
Y= 428382
LAT.: 36°10'25.9" N
LONG.: 98°50'23.1" W
LAT.: 36.173872° N
LONG.: 98.839756° W

KICKOFF POINT
100' FSL & 1980' FEL
NAD-27
X= 1752635
Y= 428171
LAT.: 36°10'24.0" N
LONG.: 98°50'17.2" W
LAT.: 36.173333° N
LONG.: 98.838098° W
NAD-83
X= 1721032
Y= 428197
LAT.: 36°10'24.1" N
LONG.: 98°50'18.5" W
LAT.: 36.173373° N
LONG.: 98.838467° W

BOTTOM HOLE
150' FSL & 1980' FEL
NAD-27
X= 1752675
Y= 438418
LAT.: 36°12'05.3" N
LONG.: 98°50'17.7" W
LAT.: 36.201484° N
LONG.: 98.838263° W
NAD-83
X= 1721072
Y= 438445
LAT.: 36°12'05.5" N
LONG.: 98°50'19.1" W
LAT.: 36.201523° N
LONG.: 98.838632° W

LANDING POINT
500' FSL & 1981' FEL
NAD-27
X= 1752637
Y= 428570
LAT.: 36°10'28.0" N
LONG.: 98°50'17.2" W
LAT.: 36.174431° N
LONG.: 98.838103° W
NAD-83
X= 1721034
Y= 428597
LAT.: 36°10'28.1" N
LONG.: 98°50'18.5" W
LAT.: 36.174470° N
LONG.: 98.838472° W



SURVEYOR'S CERTIFICATE:
I, T. WAYNE FISCH, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC, CO., DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

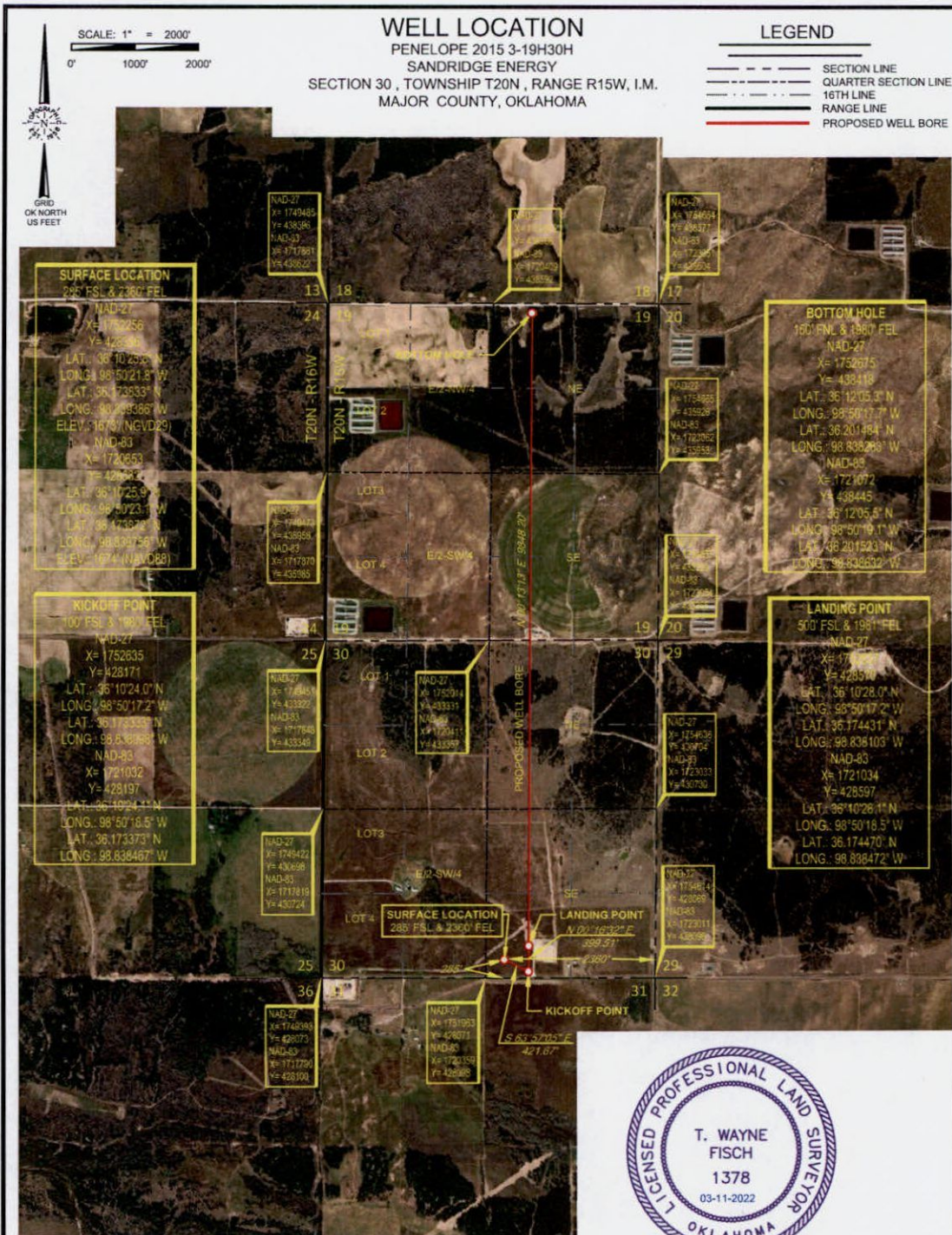
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CERTIFICATE OF AUTHORIZATION NO. 1292 LS
WWW.TOPOGRAPHIC.COM

T. Wayne Fisch
T. Wayne Fisch, P.L.S. No. 1378
Authorized Agent of Topographic, Co.

LEASE NAME & WELL NO. PENELOPE 2015 3-19H30H

SECTION 30 TWP T20N RGE R15W MERIDIAN I.M.
COUNTY MAJOR STATE OKLAHOMA
DESCRIPTION 285' FSL & 2360' FEL

PENELOPE 2015 3-19H30H	REVISION:		NOTES:
	INT	DATE	
DATE: 03/08/2022			1. ORIGINAL DOCUMENT SIZE: 8.5" X 14" 2. OKLAHOMA COORDINATE SYSTEM OF 1927 AND NATIONAL GEOGRAPHIC VERTICAL DATUM OF 1929 (INFORMATION CONVERTED FROM OKLAHOMA COORDINATE SYSTEM OF 1983 AND 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 SANDRIDGE ENERGY 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. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.
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SHEET: 1 OF 2			



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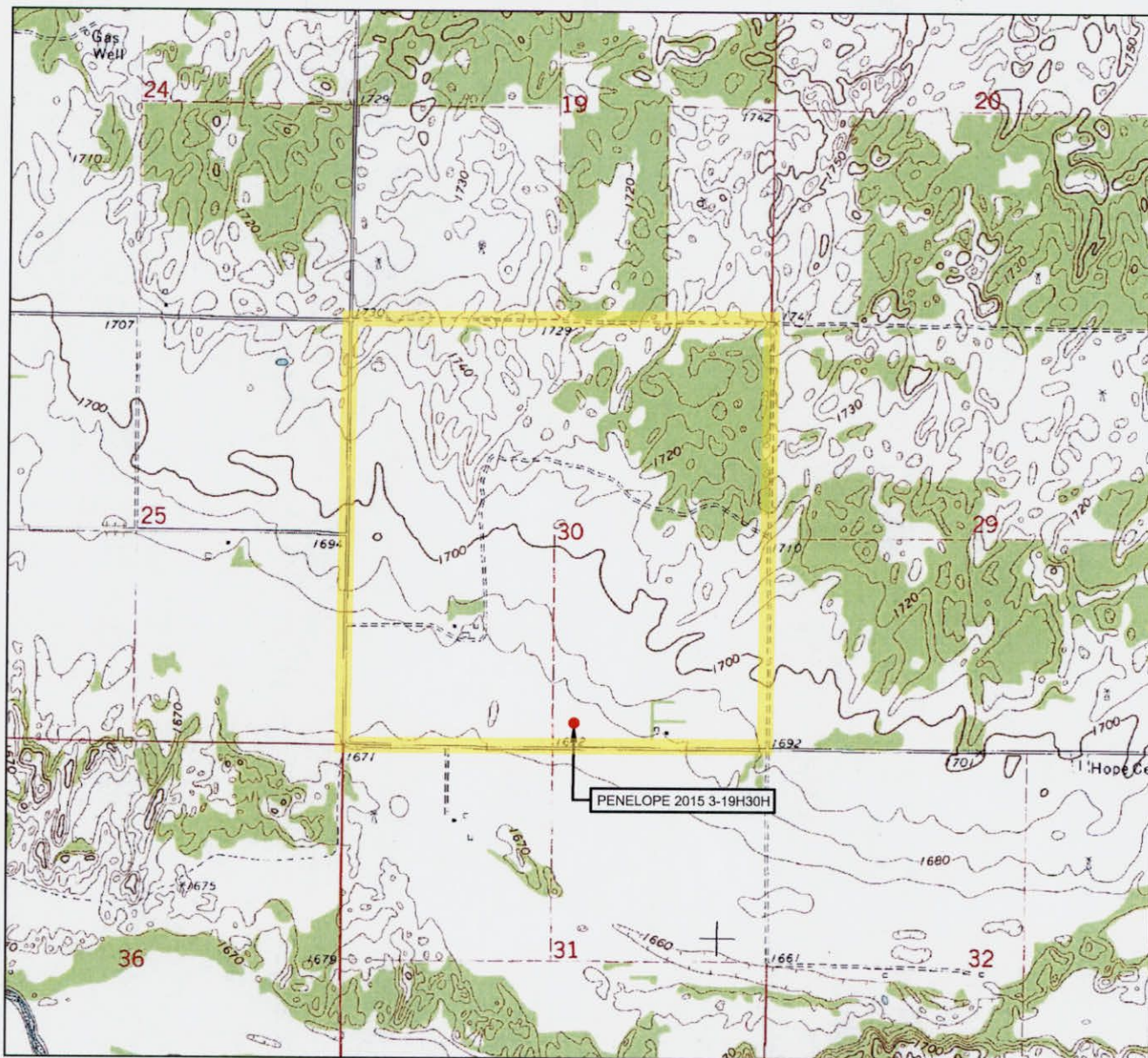
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PENELOPE 2015 3-19H30H
 DATE: 03/08/2022
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 SHEET: 2 OF 2

REVISION:	
INT	DATE

- NOTES:
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LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. PENELOPE 2015 3-19H30H

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COUNTY MAJOR STATE OKLAHOMA

DESCRIPTION 285' FSL & 2360' FEL



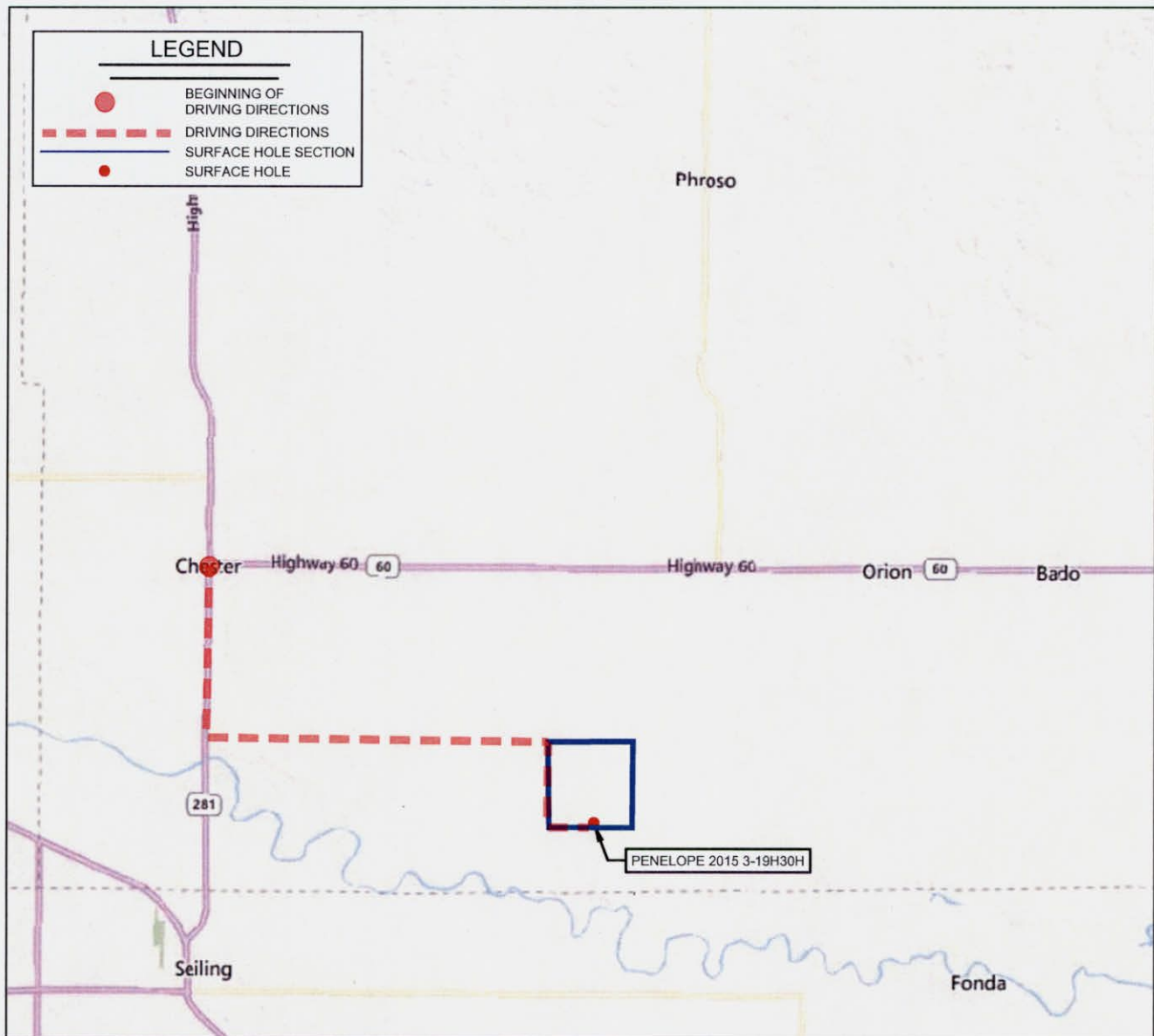
SCALE: 1" = 2000'
0' 1000' 2000'

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 SANDRIDGE ENERGY. 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, U.S. SURVEY FEET.

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VICINITY MAP



LEASE NAME & WELL NO. PENELOPE 2015 3-19H30H

SECTION 30 TWP T20N RGE R15W MERIDIAN I.M.

COUNTY MAJOR STATE OKLAHOMA

DESCRIPTION 285' FSL & 2360' FEL

DISTANCE & DIRECTION

FROM THE INTERSECTION OF US-60 AND US-281 GO

IN CHESTER, OKLAHOMA. GO SOUTH ON US-281 FOR ±2 MILES.

TURN EAST ON E0570 ROAD FOR ± 4 MILES. TURN SOUTH ON

N2330 FOR ± 1 MILE. THEN EAST ON E0580 FOR ±.5 MILES TO THE S4

30-20N-15W

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