

API NUMBER: 093 25250

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

Approval Date: 09/16/2020

Expiration Date: 03/16/2022

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 36 Township: 20N Range: 11W County: MAJOR

SPOT LOCATION: S2 N2 N2 NW
FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 550 1320

Lease Name: SHAMROCK Well No: 1-25H Well will be 550 feet from nearest unit or lease boundary.

Operator Name: ROX EXPLORATION INC Telephone: 4056423962 OTC/OCC Number: 18783 0

ROX EXPLORATION INC
2416 PALMER CIR
NORMAN, OK 73069-6301LARRY J. WRIGHT AND LINDA WRIGHT
PO BOX 144
ISABELLA OK 73747

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

Name	Code	Depth
1 HUNTON	269HNTN	8500

Spacing Orders: 713200

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: 202000634

Special Orders: No Special Orders

Total Depth: 14100

Ground Elevation: 1190

Surface Casing: 450

Depth to base of Treatable Water-Bearing FM: 400

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: 20-37395

H. (Other)

CLOSED SYSTEM=STEEL PITS (REQUIRED - ELM
CREEK AND DEEP CREEK)**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

HORIZONTAL HOLE 1

Section: 25 Township: 20N Range: 11W

Total Length: 4700

County: MAJOR

Measured Total Depth: 14100

Spot Location of End Point: N2 N2 N2 NW

True Vertical Depth: 8700

Feet From: NORTH 1/4 Section Line: 100

End Point Location from
Lease, Unit, or Property Line: 100

Feet From: WEST 1/4 Section Line: 1320

NOTES:

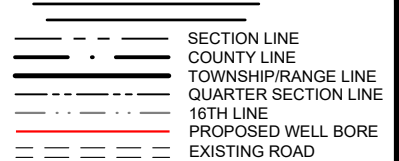
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
HYDRAULIC FRACTURING	9/4/2020 - GC2 - OCC 165:10-3-10 REQUIRES: 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG
INTERMEDIATE CASING	9/4/2020 - 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
PENDING CD - 202000634	9/15/2020 - GB6 - (I.O.) 25-20N-11W X713200 HNTN SHL NCT 100' FSL, NCT 1320' FWL 25-20N-11W POE (HNTN) NCT 100' FSL, NCT 1320' FWL 25-20N-11W FIRST PERF (HNTN) NCT 165' FSL, NCT 1320' FWL 25-20N-11W LAST PERF (HNTN) NCT 165' FNL, NCT 1320' FWL 25-20N-11W BHL NCT 0' FNL, NCT 1320' FWL 25-20N-11W NO OP. NAMED REC 04/28/2020 (P. PORTER)
SPACING - 713200	9/15/2020 - GB6 - (640)(HOR) 25-20N-11W EST HNTN COMPL. INT. NCT 660' FB (COEXIST SP. ORDER #93339 HNTN)

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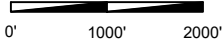
SHAMROCK 1-25H
ROX EXPLORATION, INC.
SECTION 36, TOWNSHIP 20N, RANGE 11W I.M.,
MAJOR COUNTY, OKLAHOMA

LEGEND



GRID
NAD-27
OK NORTH
US FEET

SCALE: 1" = 2000'



BOTTOM HOLE
100' FNL & 1320' FWL
NAD-27
X= 1902498
Y= 432613
LAT.: 36°11'16.9" N
LONG.: 98°19'49.5" W
LAT.: 36.18801479° N
LONG.: 98.33040426° W

LANDING POINT
65' FSL & 1320' FWL
NAD-27
X= 1902507
Y= 427492
LAT.: 36°10'26.2" N
LONG.: 98°19'49.1" W
LAT.: 36.17394669° N
LONG.: 98.33031403° W

SURFACE LOCATION
550' FNL & 1320' FWL
NAD-27
X= 1902507
Y= 426877
LAT.: 36°10'20.1" N
LONG.: 98°19'49.1" W
LAT.: 36.17225743° N
LONG.: 98.33030755° W
ELEV: 1190'

X= 1901178
Y= 432715

X= 1903818
Y= 432712

X= 1906458
Y= 432709

GAIL 1-25
X: 1901849
Y: 430679
(NOT SURVEYED)

LORENZ 1-25
X: 1904392
Y: 430733
(NOT SURVEYED)

JOHN 1-25
X: 1905551
Y: 431520
(NOT SURVEYED)

X= 1901183
Y= 430069

BIERIG 1
X: 1902069
Y: 429754
(NOT SURVEYED)

SYLVIA 1-25
X: 1904468
Y: 428063
(NOT SURVEYED)

X= 1906447
Y= 430074

X= 1901187
Y= 427423

X= 1903812
Y= 427432

X= 1906437
Y= 427440

WRIGHT 1-36
X: 1902317
Y: 426492
(NOT SURVEYED)

X= 1901186
Y= 424782

OR COUNTY
•
NF COUNTY

X= 1906437
Y= 427440

X= 1901184
Y= 122141

X= 1903806
Y= 422160

X= 190642
Y= 422178

DAN W.
ROGERS
1200
07-22-20
OKLAHOMA

DAN W.
ROGERS
1200
07-22-20

Dan W Rogers
 Dan W. Rogers, P.L.S. No. 1206
 Authorized Agent of Topographic Land Surveyors

SECTION 36 TWP 20N RGE 11W MERIDIAN 1.M.
COUNTY _____ MAJOR _____ STATE OKLAHOMA
DESCRIPTION 550' FNL & 1320' FWL



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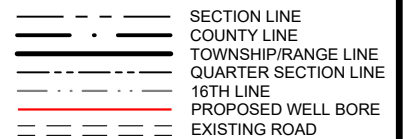
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SHAMROCK 1-25H		REVISION:		NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 14" 2. ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS 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 ROX EXPLORATION, INC.. 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
		INT	DATE	
		KEU	7/20/20	
DATE: 07/20/20	KEU	7/22/20		
FILE:LO_SHAMROCK_1-25H_REV2				
DRAWN BY: KEU				
SHEET : 1 OF 4				

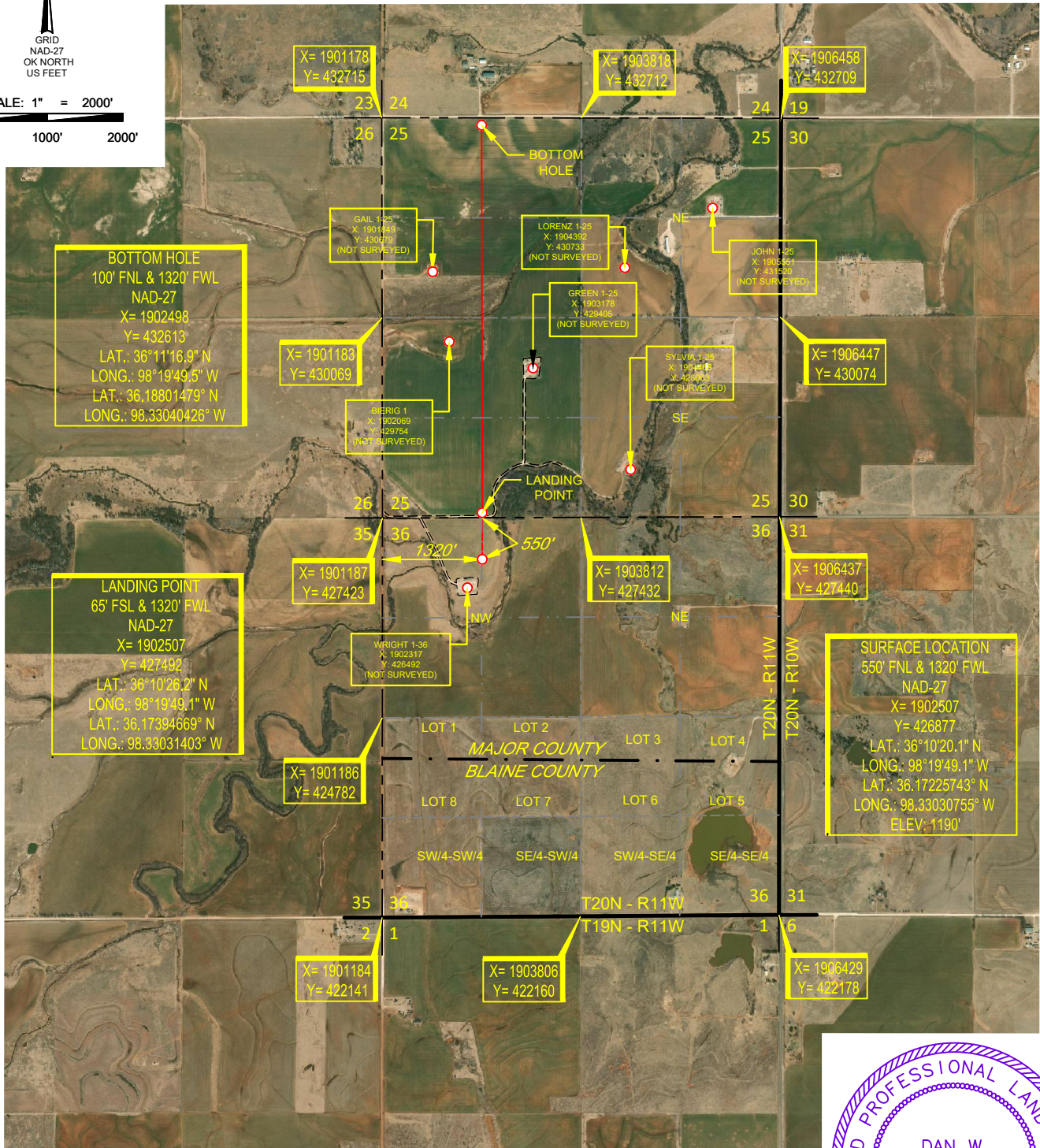
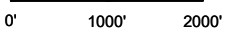
Q:\SURVEY\ROX EXPLORATION INC\SHAMROCK 1-25H\FINAL PRODUCTS\ILO SHAMROCK 1-25H REV2.DWG 7/22/2020 4:31:23 PM tyler rogers

SHAMROCK 1-25H
ROX EXPLORATION, INC.
SECTION 36, TOWNSHIP 20N, RANGE 11W I.M.,
MAJOR COUNTY, OKLAHOMA

LEGEND



SCALE: 1" = 2000'




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Authorized Agent of Topographic Land Surveyors

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SHAMROCK 1-25H

LEASE NAME & WELL NO. SHAMROCK 1-25H

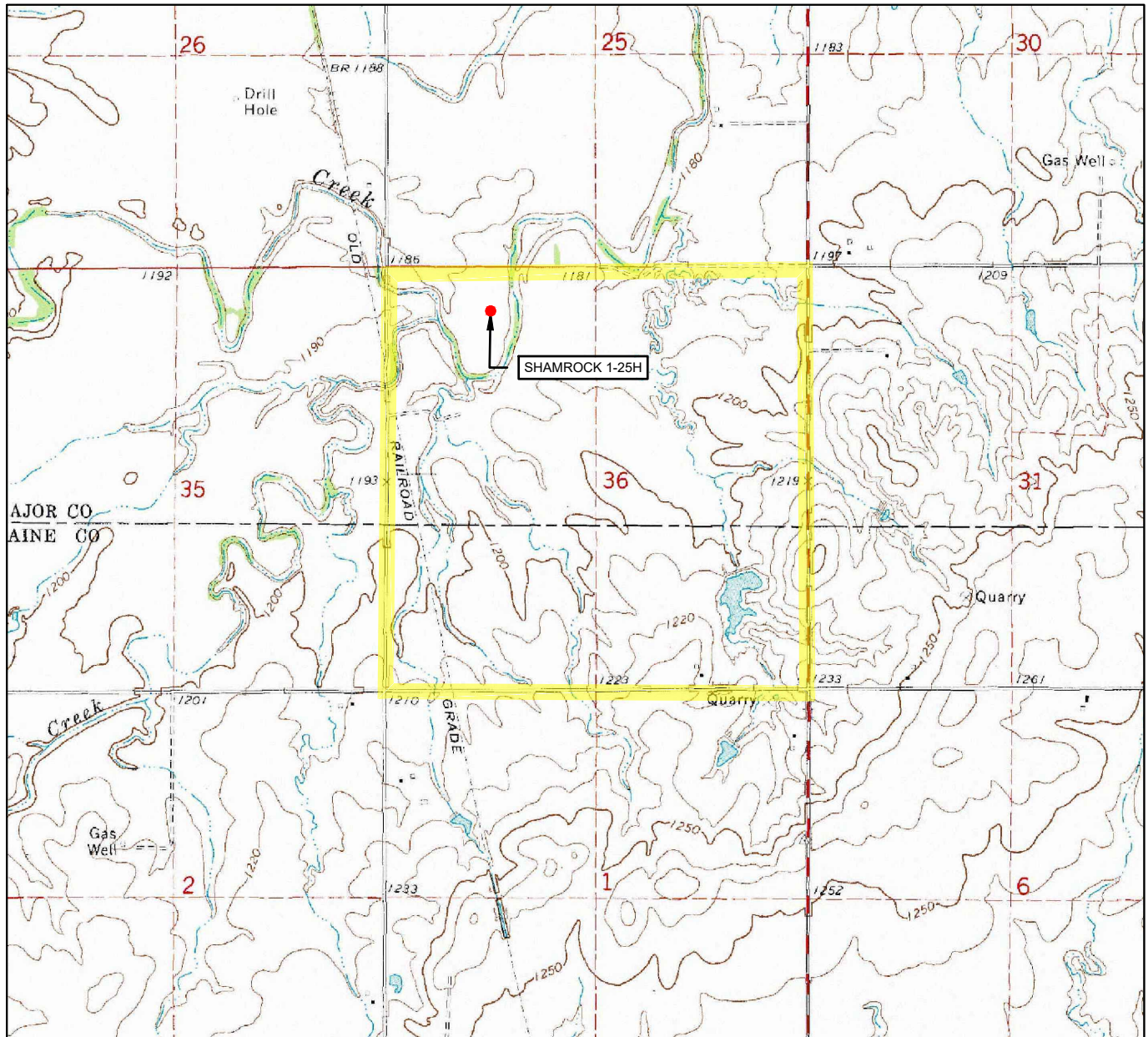
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COUNTY _____ MAJOR _____ STATE OKLAHOMA
DESCRIPTION 550' FNL & 1320' FWL



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SHAMROCK 1-25H		REVISION:	
		INT	DATE
		KEU	7/20/20
DATE:	07/20/20	KEU	7/22/20
FILE:LO_SHAMROCK_1-25H_REV2			
DRAWN BY:	KEU		
SHEET :			
2 OF 4			

LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. SHAMROCK 1-25H

SECTION 36 TWP 20N RGE 11W MERIDIAN I.M.

COUNTY MAJOR STATE OKLAHOMA

DESCRIPTION 550' FNL & 1320' FWL

ELEVATION 1190'



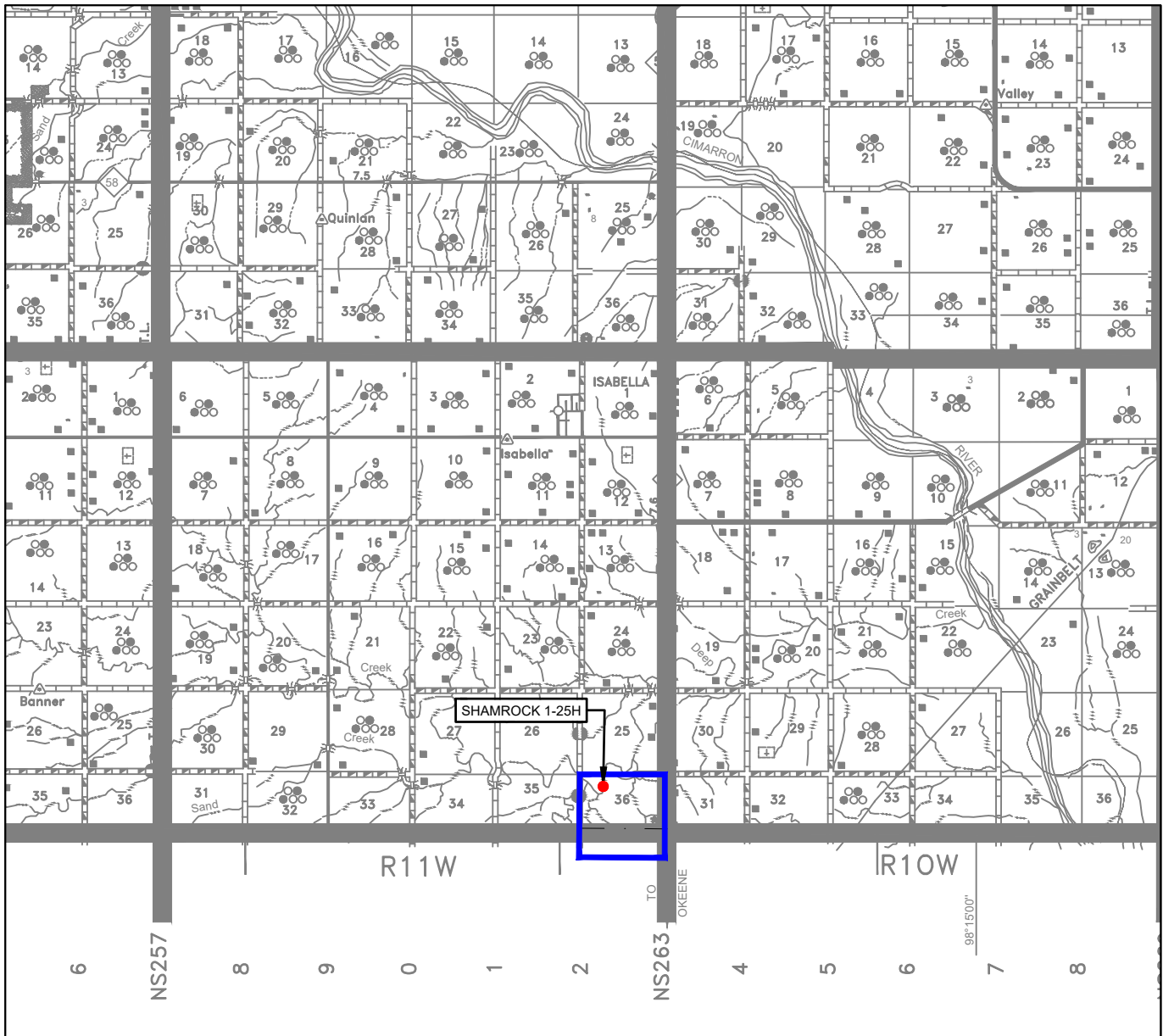
SCALE: 1" = 2000'
0' 1000' 2000'

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 ROX EXPLORATION, INC.. 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



LEASE NAME & WELL NO. SHAMROCK 1-25H

SECTION 36 TWP 20N RGE 11W MERIDIAN I.M.

COUNTY MAJOR STATE OKLAHOMA

DESCRIPTION 550' FNL & 1320' FWL

DISTANCE & DIRECTION

FROM ISABELLA OK. GO EAST ONE MILE TO HWY 8. THEN SOUTH THREE MILES. THEN WEST ONE MILE, THEN GO SOUTH ONE MILE TO THE NW CORNER OF 36-20N-11W.

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SCALE: 1" = 10000'
0' 5000' 10000'



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