

API NUMBER: 083 24457

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

Approval Date: 04/27/2022  
Expiration Date: 10/27/2023

Horizontal Hole Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 25 Township: 18N Range: 3W County: LOGAN

SPOT LOCATION: SE NE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 750 1288

Lease Name: OKHOPFER Well No: 1-25HX36 Well will be 750 feet from nearest unit or lease boundary.  
Operator Name: OSO RESOURCES LLC Telephone: 4052321719 OTC/OCC Number: 24580 0

OSO RESOURCES LLC  
OKLAHOMA CITY, OK 73118-5022

OKHOPFER LLC  
2547 TIMBER BROOK LANE  
CENTERVILLE OH 73118

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

Name	Code	Depth
1 OSWEGO	404OSWG	5160

Spacing Orders: 403591

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: 10800

Ground Elevation: 913

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 40

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: 22-38268

H. (Other)

CLOSED SYSTEM=STEEL PITS (REQUIRED -  
SKELETON CREEK)

**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: ALLUVIAL

Pit Location Formation: ALLUVIUM

**HORIZONTAL HOLE 1**

Section: 36 Township: 18N Range: 3W Meridian: IM  
County: LOGAN

Total Length: 5085

Measured Total Depth: 10800

Spot Location of End Point: SW SW SE SW

True Vertical Depth: 5215

Feet From: SOUTH 1/4 Section Line: 165

End Point Location from  
Lease, Unit, or Property Line: 165

Feet From: WEST 1/4 Section Line: 1590

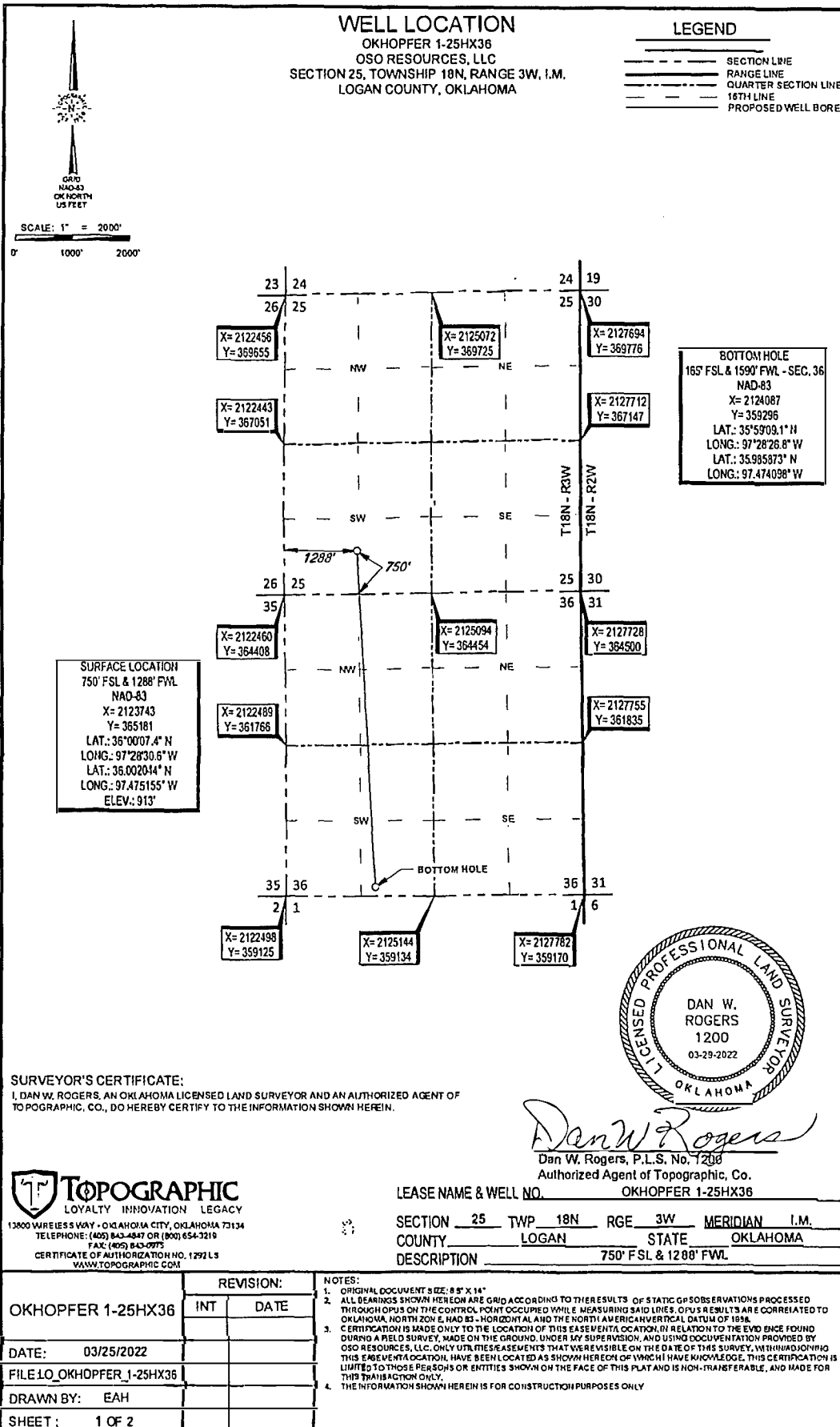
**NOTES:**

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
DEEP SURFACE CASING	[4/22/2022 - 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
HYDRAULIC FRACTURING	<p>[4/22/2022 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
SPACING - 403591	[4/26/2022 - GB1] - (UNIT) NW4 & S2 25 & 36-18N-3W EST NORTHWEST LAWRIE OSWEGO UNIT FOR OSWG

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.

083 24457 OKHOPFER 1-25HX36



## WELL LOCATION

OKHOPFER 1-25HX36  
OSO RESOURCES, LLC  
SECTION 25, TOWNSHIP 18N, RANGE 3W, I.M.  
LOGAN COUNTY, OKLAHOMA

### LEGEND

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

SCALE: 1" = 2000'

**SURVEYOR'S CERTIFICATE:**  
I, DAN W. ROGERS, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC CO., DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

*Dan W. Rogers*  
Dan W. Rogers, P.L.S. No. 1200  
Authorized Agent of Topographic, Co.

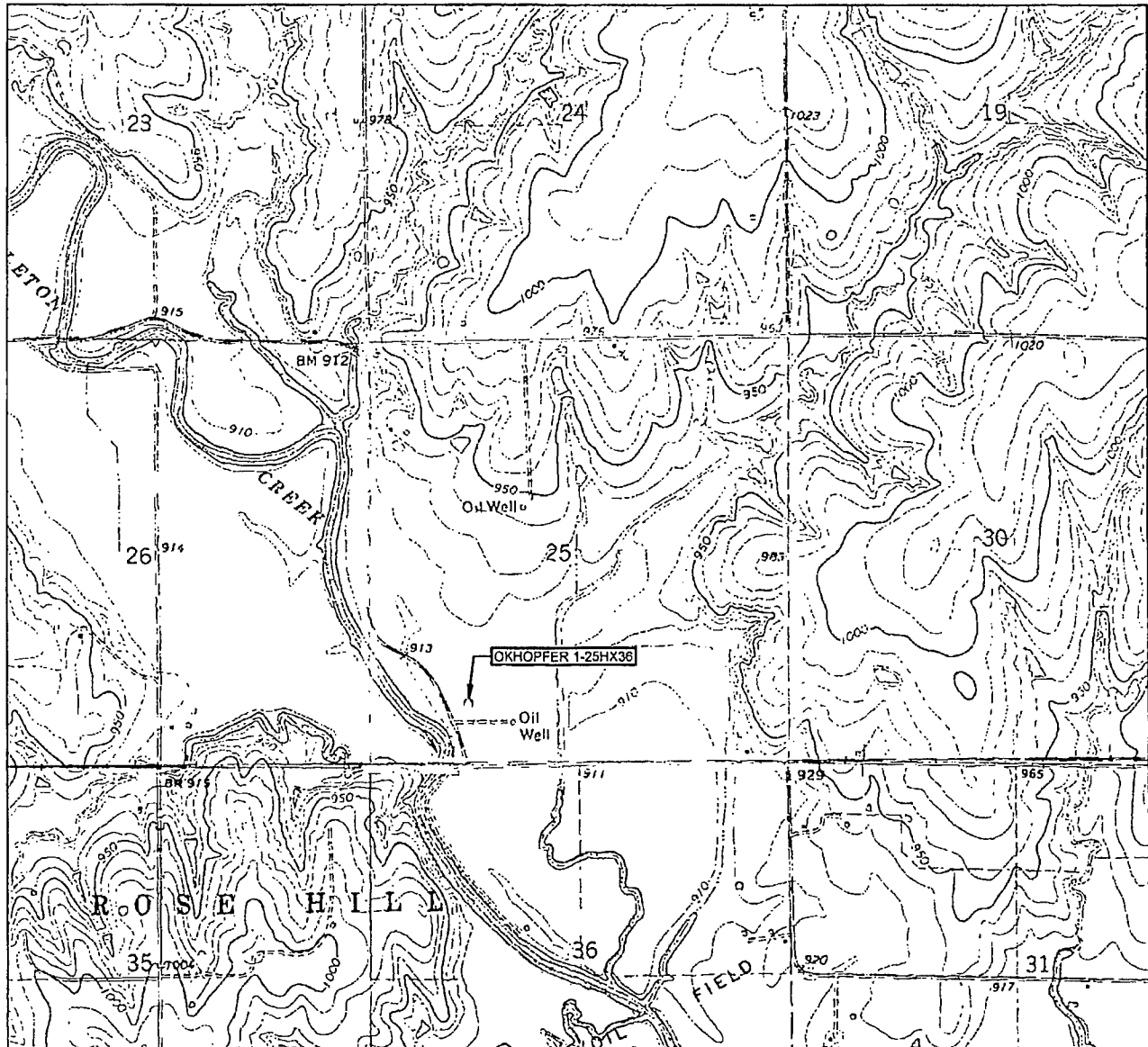
**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY  
13500 VARELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134  
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FAX: (405) 643-0975  
CERTIFICATE OF AUTHORIZATION NO. 1292 L5  
WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. OKHOPFER 1-25HX36

SECTION 25 TWP. 18N RGE 3W MERIDIAN I.M.  
COUNTY LOGAN STATE OKLAHOMA  
DESCRIPTION 750' FSL & 1288' FWL

OKHOPFER 1-25HX36	REVISION:		NOTES:
	INT	DATE	
DATE: 03/25/2022			<p>1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"</p> <p>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.</p> <p>3. CERTIFICATIONS 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 OSO RESOURCES, 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.</p> <p>4. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.</p> <p>5. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.</p>
FILE: L_O_OKHOPFER_1-25HX36			
DRAWN BY: EAH			
SHEET: 2 OF 2			

# LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. OKHOPFER 1-25HX36

SECTION 25 TWP 18N RGE 3W MERIDIAN I.M.

COUNTY LOGAN STATE OKLAHOMA

DESCRIPTION 750' FSL & 1288' FWL

ELEVATION 913'



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 OSO RESOURCES, 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.

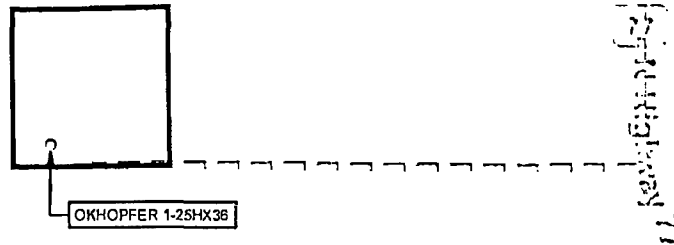
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

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

# VICINITY MAP

LEGEND	
	BEGINNING OF DRIVING DIRECTIONS
	DRIVING DIRECTIONS
	SURFACE HOLE SECTION
	SURFACE HOLE



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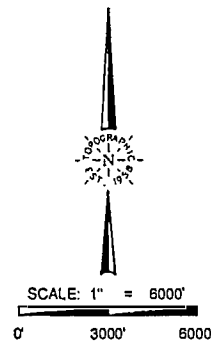
DESCRIPTION 750' FSL & 1288' FWL

## DISTANCE & DIRECTION

FROM MULHALL, OK GO ±4.5 MI. SOUTH ON OK-77, THEN ±3.5 MI. WEST  
ON E. COUNTY RD. 70 TO THE NORTH QUARTER CORNER OF SECTION  
36-T18N-R3W.

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