

API NUMBER: 073 26813

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

Approval Date: 12/30/2021
Expiration Date: 06/30/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 35 Township: 16N Range: 7W County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ NW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 888 1994

Lease Name: KRETCHMAR 1507 Well No: 2H-2X Well will be 888 feet from nearest unit or lease boundary.
Operator Name: OVINTIV USA INC Telephone: 2812105100 OTC/OCC Number: 21713 0

OVINTIV USA INC
4 WATERWAY SQUARE PLACE, STE 100
THE WOODLANDS, TX 77380-3197

LAWRENCE E. REHERMAN JR. AND CENA J. REHERMAN
23876 N. 2860
KINGFISHER OK 73750

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	7626

Spacing Orders: 604861

Location Exception Orders: 695429
696499
717894
718160

Increased Density Orders: 693397
717253

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 18453 Ground Elevation: 1066

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 250

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: 21-38027
E. Haul to Commercial pit facility	Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498
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: 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

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.

HORIZONTAL HOLE 1

Section: 11 Township: 15N Range: 7W Meridian: IM Total Length: 10238
County: KINGFISHER Measured Total Depth: 18453
Spot Location of End Point: SE SW SE SW True Vertical Depth: 7905
Feet From: **SOUTH** 1/4 Section Line: 85 End Point Location from
Feet From: **WEST** 1/4 Section Line: 1734 Lease, Unit, or Property Line: 85

NOTES:

Category	Description
DEEP SURFACE CASING	[12/29/2021 - 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 - 696499	[12/29/2021 - G56] - (I.O.) W2 2 & 11-15N-7W X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' TO PROPOSED AND/OR EXISTING WELLS NO OP NAMED 5/22/2019
EXCEPTION TO RULE - 718160	[12/29/2021 - G56] - EXTENSION OF TIME FOR ORDER # 696499
HYDRAULIC FRACTURING	[12/29/2021 - 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 6000NH 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
INCREASED DENSITY - 693397	[12/29/2021 - G56] - W2 2 & 11-15N-7W X604861 MSSP 2 WELLS NEWFIELD EXPLOR MID-CON INC 3/25/2019
INCREASED DENSITY - 717253	[12/29/2021 - G56] - EXTENSION OF TIME FOR ORDER # 717253
LOCATION EXCEPTION - 695429	[12/29/2021 - G56] - (I.O.) W2 2 & 11-15N-7W X604861 MSSP COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 990' FWL NEWFIELD EXPLOR MID-CON INC 5/1/2019
LOCATION EXCEPTION - 717894	[12/29/2021 - G56] - EXTENSION OF TIME FOR ORDER # 695429
MEMO	[12/29/2021 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - UNCLE JOHN CREEK) OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 604861	[12/29/2021 - G56] - (640)(HOR)(IRR UNIT) W2 2 & 11, E2 2 & 11-15N-7W SU VAC 184418 MSSLM, OTHER VAC 594526 MSSP, OTHERS EST MSSP, OTHERS COMPL INT NCT 660' FB (COEXIST WITH PRODUCING NON HOR DR & SP UNITS, SUPERSEDE NON DEVELOPED NON HOR DR & SP UNITS)



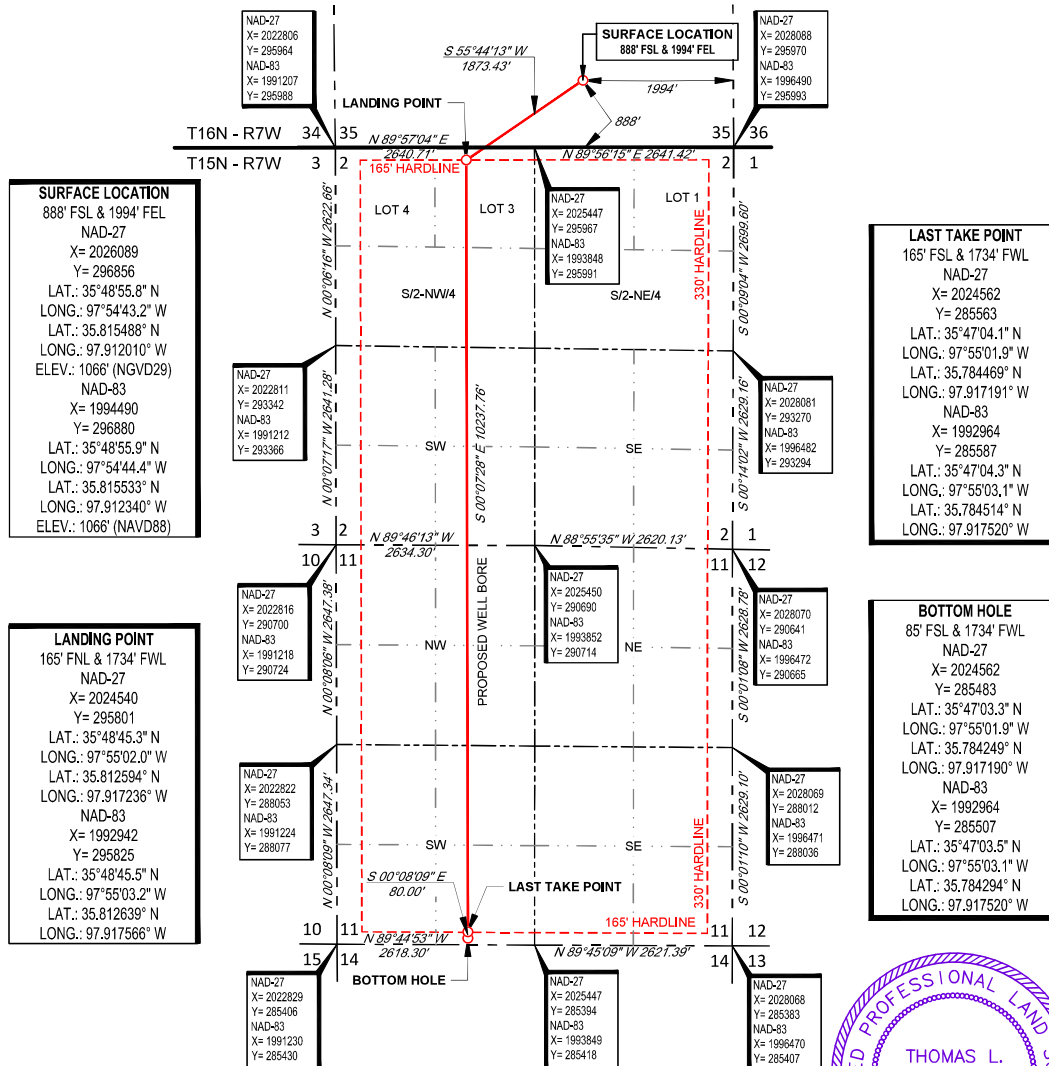
SCALE: 1" = 2000'
0' 1000' 2000'

WELL LOCATION

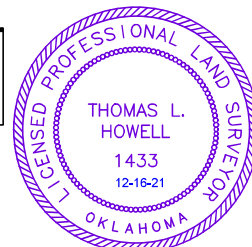
KRETCHMAR 1507 2H-2X
OVINTIV MID-CONTINENT INC.
SECTION 35, TOWNSHIP 16N, RANGE 7W, I.M.
KINGFISHER COUNTY, OKLAHOMA

LEGEND

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



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.

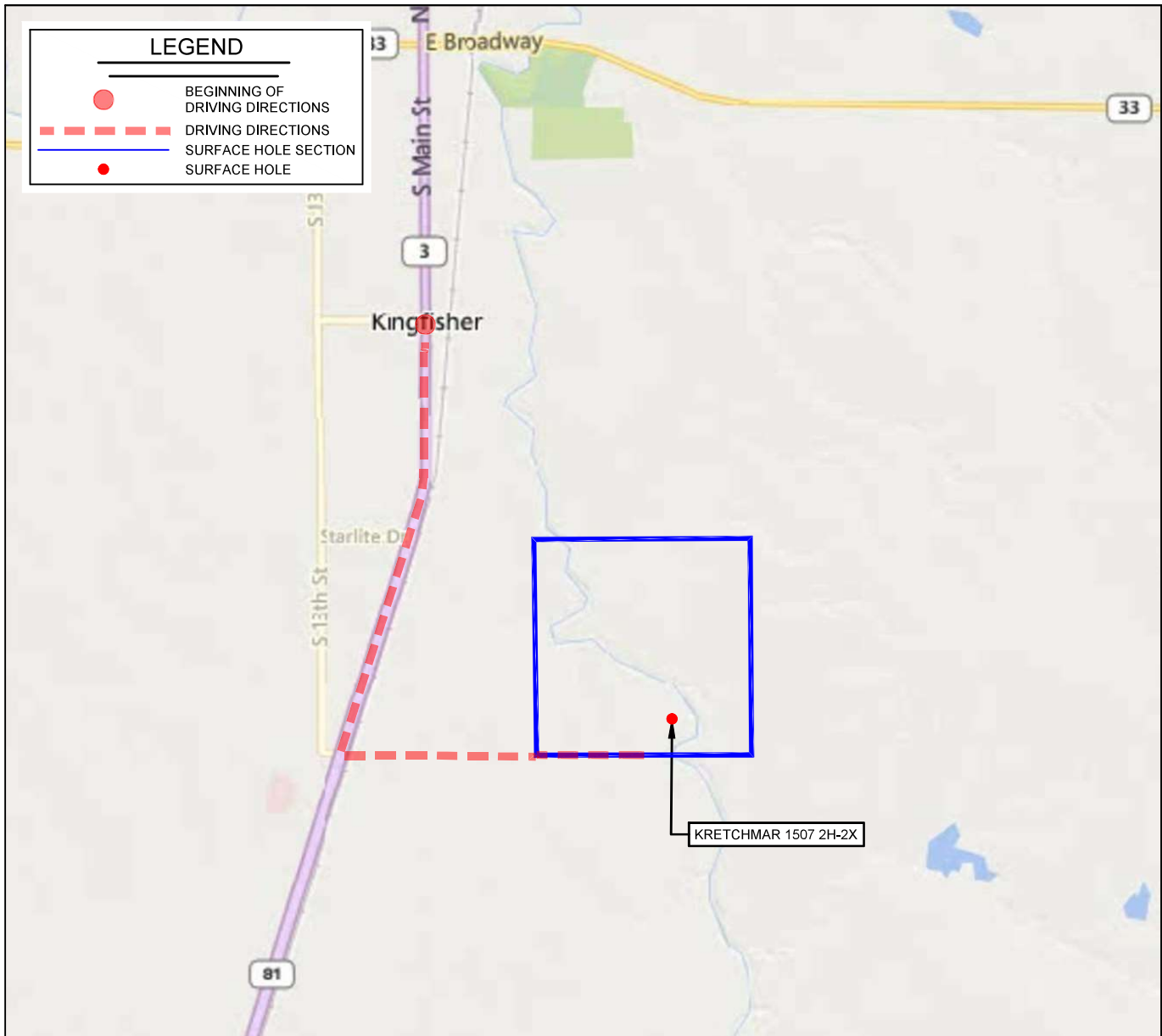


Thomas L. Howell
Thomas L. Howell, P.L.S. No. 1433
Authorized Agent of Topographic Land Surveyors

LEASE NAME & WELL NO. KRETCHMAR 1507 2H-2X
SECTION 35 TWP 16N RGE 7W MERIDIAN I.M.
COUNTY KINGFISHER STATE OKLAHOMA
DESCRIPTION 888' FSL & 1994' FEL

KRETCHMAR 1507 2H-2X	REVISION:		NOTES:
	INT	DATE	
DATE: 12/13/2021	JS	12/16/2021	1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
FILE: I:\O_KRETCHMAR_1507_2H-2X_REV1			2. ALL BEARINGS SHOWN HEREON ARE GRID OKLAHOMA COORDINATE SYSTEM OF 1983 NORTH ZONE ACCORDING TO THE RESULT OF STATIC GPS OBSERVATION PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS RESULTS ARE CORRELATED TO OKLAHOMA COORDINATE SYSTEM THROUGH NORTH ZONE AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.
DRAWN BY: KEU			3. 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.
SHEET: 1 OF 1			4. 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 OVINTIV MID-CONTINENT 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.
			5. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
			6. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

VICINITY MAP



LEASE NAME & WELL NO. KRETCHMAR 1507 2H-2X

SECTION 35 TWP 16N RGE 7W MERIDIAN I.M.

COUNTY KINGFISHER STATE OKLAHOMA

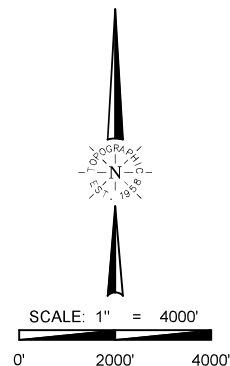
DESCRIPTION 888' FSL & 1994' FEL

DISTANCE & DIRECTION

FROM KINGFISHER, OK GO ± 2.0 MI. SOUTH ON US-81, THEN GO ± 1.5 MI. EAST ON E0830 RD TO THE SOUTH QUARTER CORNER OF SECTION 35-T16N-R7W.

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 OVINTIV MID-CONTINENT 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 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.



 **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