

API NUMBER: 073 26942 A

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

Approval Date: 10/24/2022
Expiration Date: 04/24/2024

Multi Unit Oil & Gas

Amend reason: OCC CORRECTION - CORRECT TD

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 19 Township: 15N Range: 8W County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 1317 2242

Lease Name: PSN&R 1508 Well No: 3H-18X Well will be 1317 feet from nearest unit or lease boundary.

Operator Name: OVINTIV USA INC Telephone: 2812105100 OTC/OCC Number: 21713 0

OVINTIV USA INC

THE WOODLANDS, TX 77380-3197

ROTHER RANCH EHC, LLC

PO BOX 10

OKARCHE OK 73762

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	9408

Spacing Orders: 642232
728444

Location Exception Orders: 728450
728445

Increased Density Orders: 727992
727993

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 20163

Ground Elevation: 1179

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 470

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: 22-38621

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: CHICKASHA

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: CHICKASHA

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: 18	Township: 15N	Range: 8W	Meridian: IM	Total Length: 10210
County: KINGFISHER				Measured Total Depth: 20163
Spot Location of End Point: NW NW NE NW				True Vertical Depth: 9500
Feet From: NORTH		1/4 Section Line: 85		End Point Location from
Feet From: WEST		1/4 Section Line: 1470		Lease, Unit, or Property Line: 85

NOTES:

Category	Description
DEEP SURFACE CASING	[10/11/2022 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.
HYDRAULIC FRACTURING	[10/11/2022 - 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 FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS ; 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 - 727992	[10/24/2022 - GB7] - 18-15N-8W X642232 MSSP 5 WELLS OVINTIV USA INC 8/30/2022
INCREASED DENSITY - 727993	[10/24/2022 - GB7] - 19-15N-8W X642232 MSSP 5 WELLS OVINTIV USA INC 8/30/2022
INTERMEDIATE CASING	[10/11/2022 - 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 - 728445 (CD2022-001719)	[10/24/2022 - GB7] - (I.O.) 18 & 19-15N-8W X642232 MSSP, OTHER COMPL. INT. (18-15N-8W) NCT 165' FNL, NCT 0' FSL, NCT 1650' FWL COMPL. INT. (19-15N-8W) NCT 0' FNL, NCT 165' FSL, NCT 1650' FWL OVINTIV USA INC 09/14/2022
LOCATION EXCEPTION - 728450 (CD2022-001724)	[10/24/2022 - GB7] - (I.O.) 18 & 19-15N-8W X165:10-3-28(C)(2)(B) MSSP (PSN&R 1508 3H-18X) MAY BE CLOSER THAN 600' TO PSN&R 1508 2H-18X, PSN&R 1508 4H-18X, PSN&R 1508 5H-18X, PSN&R 1508 6H-18X, ERNEST A-1 (API# 073-22928), PSN&R 1H-18X (API# 073-25107), VOSS A-1 (API# 073-22813) OVINTIV USA INC 9/14/2022
MEMO	[10/11/2022 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - DEAD INDIAN CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 642232	[10/24/2022 - GB7] - (640)(HOR) 18 & 19-15N-8W EXT 637835 MSSP, OTHER COMPL. INT. NLT 660' FB (COEXIST EXISTING NON-HORIZONTAL SPACING)
SPACING - 728444 (CD2022-001718)	[10/24/2022 - GB7] - (I.O.) 18 & 19-15N-8W EST MULTIUNIT HORIZONTAL WELL X642232 MSSP, OTHER 18 & 19-15N-8W 50% 18-15N-8W 50% 19-15N-8W OVINTIV USA INC 9/14/2022

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073 26942 PSN&R 1508 3H-18X