

API NUMBER: 073 26739 A

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

Approval Date: 02/09/2021
Expiration Date: 08/09/2022

Multi Unit Oil & Gas

Amend reason: OCC CORRECTION FOR TARGET FORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 22 Township: 17N Range: 8W County: KINGFISHER

SPOT LOCATION: ☐ NW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 383 2428

Lease Name: EMORY Well No: 1708 5H-15X Well will be 383 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

GARRETT AND COMPANY, LLC
9701 N BROADWAY
OKLAHOMA CITY OK 73114

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

	Name	Code	Depth
1	MISSISSIPPIAN (LESS CHESTER)	359MSNLC	8129
2	WOODFORD	319WDFD	8695

Spacing Orders: 649745 Location Exception Orders: 715640 Increased Density Orders: 715633
715687 715639 715634

Pending CD Numbers: No Pending Working interest owners' notified: *** Special Orders: No Special

Total Depth: 18409 Ground Elevation: 1125 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 200

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: 21-37516
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: BED AQUIFER

Pit Location Formation: CEDAR HILL

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: BED AQUIFER

Pit Location Formation: CEDAR HILL

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: 15 Township: 17N Range: 8W Meridian: IM Total Length: 10225
 County: KINGFISHER Measured Total Depth: 18409
 Spot Location of End Point: NW NE NW NW True Vertical Depth: 8695
 Feet From: **NORTH** 1/4 Section Line: 85 End Point Location from
 Feet From: **WEST** 1/4 Section Line: 850 Lease, Unit, or Property Line: 85

NOTES:

Category	Description
DEEP SURFACE CASING	[2/1/2021 - 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 – 715639 (202001797)	[2/8/2021 - GB6] - (I.O.) 15 & 22 -17N-8W X165:10-3-28(C)(2)(B) MSNLC (EMORY 1708 5H-15X) MAY BE CLOSER THAN 600' TO EXISTING WELLS M.CONLEY 1 (API# 073-22027), CONLEY 1 1-15 (API# 073-23171), EMORY 1H-15X (API# 073-25391, R.W.GARRET 2 (API# 073-21597) AND/OR PROPOSED WELLS EMORY 1708 2H-15X, EMORY 1708 3H-15X, EMORY 1708 4H-15X. 12/01/2020
HYDRAULIC FRACTURING	[2/1/2021 - 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 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 – 715633 (202001787)	[2/8/2021 - GB6] - 15-17N-8W X649745 MSNLC 5 WELLS OVINTIV MID-CONTINENT INC. 12/01/2020
INCREASED DENSITY – 715634 (202001788)	[2/8/2021 - GB6] - 22-17N-8W X649745 MSNLC 5 WELLS OVINTIV MID-CONTINENT INC. 12/01/2020
LOCATION EXCEPTION – 715640 (202001811)	[2/8/2021 - GB6] - (I.O.) 15 & 22 -17N-8W X649745 MSNLC, WDFD COMPL. INT. (15-17N-8W) NCT 165' FNL, NCT 0' FSL, NCT 510' FWL COMPL. INT. (22-17N-8W) NCT 0' FNL, NCT 165' FSL, NCT 510' FWL OVINTIV MID-CONTINENT INC. 12/01/2020
MEMO	[2/1/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING – 649745	[2/8/2021 - GB6] - (640)(HOR) 15, 22 -17N-8W EST MSNLC, WDFD COMPL. INT. (MSNLC) 660' FB COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 33' FEL, NCT 330' FWL (COEXIST SP. ORDER# 89974/93777 MSSLM; SP. ORDER# 101356 MSSLM; SP. ORDER# 138429 MSSLM; SP. ORDER# 101356/138429 MSSLM)
SPACING – 715687 (202001810)	[2/8/2021 - GB6] - (I.O.) 15 & 22 -17N-8W EST MULTIUNIT HORIZONTAL WELL X649745 MSNLC, WDFD (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSNLC) 50% 15-17N-8W 50% 22-17N-8W OVINTIV MID-CONTINENT INC. 12/03/2020

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.

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073 26739 EMORY 1708 5H-15X