

API NUMBER: 073 26725 A

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

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

Multi Unit Oil & Gas

Amend reason: OCC CORRECTION TO ADD TARGET FORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 19 Township: 16N Range: 7W County: KINGFISHER

SPOT LOCATION: ☐ NW ☐ SW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 345 1620

Lease Name: CAROL FIU 1607 Well No: 5H-18X Well will be 345 feet from nearest unit or lease boundary.
Operator Name: OVINTIV MID-CONTINENT INC. Telephone: 2812105100; 9188781290; OTC/OCC Number: 20944 0

OVINTIV MID-CONTINENT INC.
4 WATERWAY AVE STE 100
THE WOODLANDS, TX 77380-2764

ROYSE-SMITH, LLC
P.O. BOX 204
KINGFISHER OK 73750

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	8169
2	MISSISSIPPIAN (LESS CHESTER)	359MSNLC	8179
3	WOODFORD	319WDFD	8600

Spacing Orders: 643998 Location Exception Orders: 715417 Increased Density Orders: 715408
646110 715409
715416

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 18429 Ground Elevation: 1084 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 260

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: 21-37504
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: BISON

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: BISON

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: 16N	Range: 7W	Meridian: IM	Total Length: 10249	
County: KINGFISHER				Measured Total Depth: 18429	
Spot Location of End Point: NE NW NW NW				True Vertical Depth: 8600	
Feet From: NORTH		1/4 Section Line: 85		End Point Location from	
Feet From: WEST		1/4 Section Line: 650		Lease, Unit, or Property Line: 85	

Additional Surface Owner(s)	Address	City, State, Zip
CATHERINE LOUISE WOLFF	104 AMARYLISS	ORANGE, TX 77630

NOTES:

Category	Description
DEEP SURFACE CASING	[1/22/2021 - 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
HYDRAULIC FRACTURING	<p>[1/22/2021 - 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 6000NH shall be used and is found at this link: OCCWEB.COM/OG/OGFORMS.HTML; 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 FRACFOCUS.ORG</p>
INCREASED DENSITY – 715408 (202001733)	<p>[2/2/2021 - GB6] - 18-16N-7W X643998 MSNLC 4 WELLS OVINTIV MID-CONTINENT INC. 11/19/2020</p>
INCREASED DENSITY – 715409 (202001734)	<p>[2/2/2021 - GB6] - 19-16N-7W X646110 MSSP 4 WELLS OVINTIV MID-CONTINENT INC. 11/19/2020</p>
LOCATION EXCEPTION – 715417 (202001742)	<p>[2/2/2021 - GB6] - (I.O.) 18 & 19 -16N-7W X643998 MSNLC, WDFD 18-16N-7W X646110 MSSP, WDFD 19-16N-7W COMPL. INT. (18-16N-7W) NCT 165' FNL, NCT 600' FWL, NCT 0' FSL COMPL. INT. (19-16N-7W) NCT 0' FNL, NCT 600' FWL, NCT 165' FSL OVINTIV MID-CONTINENT INC. 11/19/2020</p>
MEMO	[1/22/2021 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - DEAD INDIAN CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING – 643998	<p>[2/2/2021 - GB6] - (640)(HOR) 18-16N-7W EXT 642257 MSNLC, WDFD COMPL. INT. (MSNLC) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FSL, NLT 165' FNL, NLT 330' FEL, NLT 330' FWL (COEXIST SP. ORDER # 77792/199460 MSSLM)</p>
SPACING – 646110	<p>[2/2/2021 - GB6] - (640)(HOR) 19-16N-7W VAC 41819 MSCST 19-16N-7W VAC OTHER EXT 638049 MSSP, WDFD EST OTHER COMPL. INT. (MSSP, OTHER) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL</p>
SPACING – 715416 (202001741)	<p>[2/2/2021 - GB6] - (I.O.) 18 & 19 -16N-7W EST MULTIUNIT HORIZONTAL WELL X643998 MSNLC, WDFD 18-16N-7W X646110 MSSP, WDFD 19-16N-7W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSNLC, MSSP) 50% 18-16N-7W 50% 19-16N-7W OVINTIV MID-CONTINENT, INC. 11/19/2020</p>