

API NUMBER: 017 25590 B

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

Approval Date: 01/10/2020
Expiration Date: 07/10/2021

Multi Unit Oil & Gas

Amend reason: OCC CORRECTION - UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 10 Township: 14N Range: 7W County: CANADIAN

SPOT LOCATION: ☐ NW ☐ SE ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 388 1855

Lease Name: KLADE Well No: 1407 2H-3X Well will be 388 feet from nearest unit or lease boundary.

Operator Name: OIVINTIV MID-CONTINENT INC. Telephone: 2812105100; 9188781290; OTC/OCC Number: 20944 0

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

BENJAMIN AND ELIZABETH ZUM MALLEN, H/W
2153 BENWICKE DRIVE
PFAFFTOWN NC 27040

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	8201
2	WOODFORD	319WDFD	8685

Spacing Orders: 599529
706425

Location Exception Orders: 706437
706426

Increased Density Orders: 705326
705328

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 18866 Ground Elevation: 1154

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: No

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37173
E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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: DUNCAN

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: DUNCAN

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: 3	Township: 14N	Range: 7W	Total Length: 10334	
County: CANADIAN			Measured Total Depth: 18866	
Spot Location of End Point: NE	NW	NE	NE	True Vertical Depth: 8685
Feet From: NORTH	1/4 Section Line: 85		End Point Location from	
Feet From: EAST	1/4 Section Line: 775		Lease, Unit, or Property Line: 85	

NOTES:	
Category	Description
DEEP SURFACE CASING	1/9/2020 - G71 - 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 - 706437 (201904647)	1/10/2020 - GC2 - (I.O.) 3 & 10-14N-7W X165:10-3-28(C)(2)(B) MSSP, WDFD, OTHER (KLADE 1407 2H-3X) MAY BE CLOSER THAN 600' TO KLADE 1407 3H-3X, KLADE 1407 4H-3X, KLADE 1407 5H-3X, KLADE 1407 6H-3X, KLADE 1407 7H-3X, KLADE 1407 8H-3X, KLADE 1H-3X, SCHRODER #1 NO OP. NAMED 12-16-2019
HYDRAULIC FRACTURING	1/9/2020 - G71 - OCC 165:10-3-10 REQUIRES: 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML ; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG
INCREASED DENSITY - 705326 (201904629)	7/21/2020 - GC2 - 3-14N-7W X599529 MSSP 6 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC 11-19-2019
INCREASED DENSITY - 705328 (201904631)	7/21/2020 - GC2 - 10-14N-7W X599529 MSSP 6 WELLS NEWFIELD EXPLORATION MID-CONTINENT INC 11-19-2019
LOCATION EXCEPTION - 706426 (201904636)	1/10/2020 - GC2 - (I.O.) 3 & 10-14N-7W X599529 MSSP, WDFD, OTHER 3 & 10-14N-7W COMPL. INT. (10-14N-7W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (3-14N-7W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NEWFIELD EXPLORATION MID-CONTINENT INC 12-16-2019
MEMO	1/9/2020 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS (REQUIRED - UNCLE JOHN CREEK), WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM/CUTTINGS WILL BE SOIL FARMED, OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
SPACING - 599529	1/10/2020 - GC2 - (640)(HOR) 3 & 10-14N-7W EXT 587241 MSSP, WDFD, OTHER COMPL. INT. (MSSP, OTHER) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL (COEXIST EXISTING NON-HORIZONTAL SPACING UNITS; SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)
SPACING - 706425 (201904635)	1/10/2020 - GC2 - (I.O.) 3 & 10-14N-7W EST MULTIUNIT HORIZONTAL WELL X599529 MSSP, WDFD, OTHER 3 & 10-14N-7W 50% 3-14N-7W 50% 10-14N-7W NEWFIELD EXPLORATION MID-CONTINENT INC 12-16-2019

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017 25590 KLADE 1407 2H-3X