

API NUMBER: 051 24695 B

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

Approval Date: 08/16/2019
Expiration Date: 02/16/2021

Multi Unit Oil & Gas

Amend reason: ADD FORMATION AND UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 17 Township: 7N Range: 5W County: GRADY

SPOT LOCATION: ☐ NW ☐ NE ☐ SE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 1412 570

Lease Name: Z 21 Well No: 4-17-8XHW Well will be 570 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349000; OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

Z 22, LLC
3812 NW 6TH ST.
NEWCASTLE OK 73065

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	11373
2	WOODFORD	319WDFD	11645

Spacing Orders: 632237 Location Exception Orders: 702875 Increased Density Orders: 702803
643068 702804
702874

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 18040 Ground Elevation: 1256 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 300

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: 19-36840
H. 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: 8	Township: 7N	Range: 5W	Total Length: 6113	
County: GRADY			Measured Total Depth: 18040	
Spot Location of End Point: N2	NW	NE	NE	True Vertical Depth: 11645
Feet From: NORTH	1/4 Section Line: 50		End Point Location from	
Feet From: EAST	1/4 Section Line: 990		Lease,Unit, or Property Line: 50	

NOTES:	
Category	Description
DEEP SURFACE CASING	8/8/2019 - 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
HYDRAULIC FRACTURING	8/8/2019 - 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: OCCWEB.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 - 702803 (201903760)	12/4/2019 - GC2 - 17-7N-5W X632237 WDFD 7 WELLS CONTINENTAL RESOURCES, INC 11-25-2019
INCREASED DENSITY - 702804 (201903761)	12/4/2019 - GC2 - 8-7N-5W X643068 WDFD 3 WELLS CONTINENTAL RESOURCES, INC 11-25-2019
LOCATION EXCEPTION - 702875 (201903767)	12/4/2019 - GC2 - (I.O.) 17 & 8-7N-5W X632237 MSSP, WDFD 17-7N-5W X643068 MSSP, WDFD 8-7N-5W X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO ROBERTS 1H-05, LAMBRECHT 1H-20X, LAMBRECHT 3-17-20XHW, LAMBRECHT 4-17-20XHW*** COMPL. INT. (17-7N-5W) NCT 1,320' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (8-7N-5W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CONTINENTAL RESOURCES, INC 11-26-2019 ***S/B LAMBRECHT 5-17-20XHW; WILL BE ADDED PER ATTORNEY FOR OPERATOR AT FINAL HEARING
MEMO	8/8/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WINDBURN LAKE), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 632237	8/14/2019 - GC2 - (640)(HOR) 17-7N-5W VAC 185876 MSSLM VAC OTHERS EXT (VERT) OTHERS EXT (HOR) MSSP, OTHERS EST (VERT) OTHERS EST (HOR) WDFD, OTHER COMPL. INT. (WDFD) NCT 330' FB COMPL. INT. (HOR) NCT 1320' FB
SPACING - 643068	8/14/2019 - GC2 - (640)(HOR) 8-7N-5W VAC 180987 MSSLM EXT 632237 WDFD EST MSSP EST OTHERS COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL COMPL. INT. (MSSP) NCT 660' FB

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Office of the Conservation Division as to when Surface Casing will be run.

SPACING - 702874 (201903766)

12/4/2019 - GC2 - (I.O.) 17 & 8-7N-5W
EST MULTIUNIT HORIZONTAL WELL
X632237 MSSP, WDFD 17-7N-5W
X643068 MSSP, WDFD 8-7N-5W
(MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD)
33% 17-7N-5W
67% 8-7N-5W
CONTINENTAL RESOURCES, INC.
11-26-2019