

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

API NUMBER: 051 24695 A

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

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: CHANGE BHL & UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 7N Rge: 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; 4052349 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	Depth	Name	Depth
1 WOODFORD	11645	6	
2		7	
3		8	
4		9	
5		10	

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

Pending CD Numbers:

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

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36840
H. SEE MEMO

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.

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

HORIZONTAL HOLE 1

Sec 08 Twp 7N Rge 5W County GRADY

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 11168

Radius of Turn: 483

Direction: 360

Total Length: 6113

Measured Total Depth: 18040

True Vertical Depth: 11645

End Point Location from 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: 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 - 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

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.

LOCATION EXCEPTION - 702875
(201903767)

12/4/2019 - GC2 - (I.O.) 17 & 8-7N-5W
X632237 WDFD 17-7N-5W
X643068 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 OTHERS
EXT (VERT) OTHERS
EST (VERT) OTHERS
EST (HOR) WDFD, OTHER
COMPL. INT. (WDFD) NCT 330' FB

SPACING - 643068

8/14/2019 - GC2 - (640)(HOR) 8-7N-5W
VAC OTHER
EXT 632237 WDFD
EST OTHERS
COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL

SPACING - 702874 (201903766)

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