

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

API NUMBER: 039 22522

Approval Date: 11/09/2017

Expiration Date: 05/09/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 15N Rge: 14W

County: CUSTER

SPOT LOCATION:

SE

SW

SE

SW

FEET FROM QUARTER: FROM

SOUTH

FROM

WEST

SECTION LINES:

225

1800

Lease Name: RIVER WRIGHT FIU

Well No: 1-15-10XHM

Well will be 225 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

EDGEMERE FARMS, LLC  
201 SOUTH MAIN  
THOMAS OK 73669

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12690	6	
2	WOODFORD	13500	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201602767  
201602769  
201707052  
201707054

Special Orders:

Total Depth: 22811

Ground Elevation: 1661

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 150

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 8000 Average: 5000

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: RUSH SPRINGS

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 17-33305

H. SEE MEMO

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

## HORIZONTAL HOLE 1

Sec 10 Twp 15N Rge 14W County CUSTER

Spot Location of End Point: N2 NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1650

Depth of Deviation: 12060

Radius of Turn: 600

Direction: 355

Total Length: 9808

Measured Total Depth: 22811

True Vertical Depth: 13500

End Point Location from Lease,  
Unit, or Property Line: 50

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

11/9/2017 - 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

11/9/2017 - 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](http://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](http://FRACFOCUS.ORG)

#### INTERMEDIATE CASING

11/9/2017 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

#### MEMO

11/9/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER); PIT 1 – WBM & CUTTINGS WILL BE SOIL FARMED; PIT 2 – OBM TO VENDOR, OBM CUTTINGS TO ORDER # 587498, 31-12N-8W, CANADIAN CO.

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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.

039 22522 RIVER WRIGHT FIU 1-15-10XHM

Category	Description
PENDING CD - 201602767	11/9/2017 - G57 - (E.O.)(640) 10-15N-14W VAC OTHERS EST OTHERS EXT 644457 MSSP EXT 579709 WDFD, OTHERS REC 10/31/2017 (P. PORTER)
PENDING CD - 201602769	11/9/2017 - G57 - (E.O.)(640) 15-15N-14W VAC OTHERS VAC 175577 CSTR, OTHERS EXT 593842 WDFD, OTHER EXT 651612 MSSP, OTHERS REC 10/31/2017 (P. PORTER)
PENDING CD - 201707052	11/9/2017 - G57 - (E.O.) 10 & 15-15N-14W EST MULTIUNIT HORIZONTAL WELL X201602767 MSSP, WDFD 10-15N-14W X201602769 MSSP, WDFD 15-15N-14W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 10-15N-14W 50% 15-15N-14W CONTINENTAL RESOURCES, INC. REC 10/31/2017 (P. PORTER)
PENDING CD - 201707054	11/9/2017 - G57 - (E.O.) 15 & 10-15N-14W X201602767 MSSP, WDFD 10-15N-14W X201602769 MSSP, WDFD 15-15N-14W SHL (15-15N-14W) SW4 COMPL. INT. (15-15N-14W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (10-15N-14W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FWL CONTINENTAL RESOURCES, INC. REC 10/31/2017 (P. PORTER)
SURFACE CASING	11/9/2017 - G71 - MIN. 500' PER ORDER # 42589

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