

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

API NUMBER: 051 24729

Approval Date: 10/22/2019

Expiration Date: 04/22/2021

Horizontal Hole  
Multi Unit  
Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 7N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ SE ☐ SE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 1155 1075

Lease Name: EMERY

Well No: 2-9-16XHW

Well will be 1075 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

MELVIN R. AND ALMA J. RICKS  
1515 SILVER OAK DRIVE  
BLANCHARD OK 73010

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

Name	Depth	Name	Depth
1 WOODFORD	11489	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 644200  
653269

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201904912  
201904913  
201904914  
201904915

Special Orders:

Total Depth: 20790

Ground Elevation: 1255

Surface Casing: 640

Depth to base of Treatable Water-Bearing FM: 390

Deep surface casing has been approved

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-37022

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? Y

Wellhead Protection Area? Y

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 16 Twp 7N Rge 5W County GRADY

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 11163

Radius of Turn: 488

Direction: 185

Total Length: 8861

Measured Total Depth: 20790

True Vertical Depth: 11489

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

### Notes:

#### Category

#### Description

HYDRAULIC FRACTURING

10/17/2019 - 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](http://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](http://FRACFOCUS.ORG)

#### MEMO

10/17/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201904912

10/21/2019 - GC2 - 16-7N-5W  
X644200 WDFD  
6 WELLS  
NO OP. NAMED  
REC. 10-21-2019 (P. PORTER)

PENDING CD - 201904913

10/21/2019 - GC2 - 9-7N-5W  
X653269 WDFD  
3 WELLS  
NO OP. NAMED  
REC. 10-21-2019 (P. PORTER)

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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.

051 24729 EMERY 2-9-16XHW

PENDING CD - 201904914	10/21/2019 - GC2 - (I.O.) 16 & 9-7N-5W EST MULTIUNIT HORIZONTAL WELL X644200 WDFD 16-7N-5W X653269 WDFD 9-7N-5W 50% 16-7N-5W 50% 9-7N-5W CONTINENTAL RESOURCES, INC REC. 10-21-2019 (P. PORTER)
PENDING CD - 201904915	10/21/2019 - GC2 - (I.O.) 16 & 9-7N-5W X644200 WDFD 16-7N-5W X653269 WDFD 9-7N-5W X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO EXISTING AND/OR PROPOSED WELL COMPL. INT. (16-7N-5W) NCT 150' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (9-7N-5W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL CONTINENTAL RESOURCES, INC REC. 10-21-2019 (P. PORTER)
PUBLIC WATER SUPPLY WELLS	10/17/2019 - G71 - MIDDLEBERG SCHOOL - 2 PWS/WPA, SW/4 4-7N-5W
SPACING - 644200	10/21/2019 - GC2 - (640)(HOR) 16-7N-5W EXT (VER) OTHERS EST (VER) OTHERS EST (HOR) WDFD, OTHER VAC OTHERS COMPL. INT. NCT 330' FB
SPACING - 653269	10/21/2019 - GC2 - (640)(HOR) 9-7N-5W EXT 643068 WDFD, OTHERS EXT OTHER COMPL. INT. NCT 165' FNL/FSL, NCT 330' FEL/FWL