

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

API NUMBER: 051 24736

Approval Date: 11/21/2019
Expiration Date: 05/21/2021

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 7N Rge: 5W County: GRADY
SPOT LOCATION: SE NE SW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 1685 1581

Lease Name: MILLS Well No: 5-16-21XHW Well will be 1581 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

THE DUSTY AND KELLY RICKS REVOCABLE TRUST,
FREDDY CLAYTON RICKS II, TRUSTEE
P.O. BOX 933
BLANCHARD OK 73010

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

Name	Depth	Name	Depth
1 WOODFORD	11462	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing Location Exception Orders: Increased Density Orders: 70972
705338
Pending CD Numbers: 201905015 Special Orders:
201905016

Total Depth: 20137 Ground Elevation: 1247 Surface Casing: 1500 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: 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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36973

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 21 Twp 7N Rge 5W County GRADY

Spot Location of End Point: SE SE SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1419

Depth of Deviation: 11040

Radius of Turn: 467

Direction: 170

Total Length: 8364

Measured Total Depth: 20137

True Vertical Depth: 11809

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

Notes:

Category

Description

DEEP SURFACE CASING

10/21/2019 - GC2 - 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

10/21/2019 - GC2 - 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 - 704972

11/21/2019 - GC2 - 16-7N-5W
X644200 WDFD
6 WELLS
NO OP. NAMED
11-7-2019

INCREASED DENSITY - 705338

11/21/2019 - GC2 - 21-7N-5W
X593309 WDFD
4 WELLS
NO OP. NAMED
11-19-2019

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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.

MEMO	10/21/2019 - GC2 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WINTER CREEK LAKE), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201905014	11/21/2019 - GC2 - (I.O.) 16 & 21-7N-5W X644200 WDFD, OTHER 16-7N-5W XOTHER 16-7N-5W X593309 WDFD, OTHERS 21-7N-5W X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO NABORS 1-33-28XHW AND NABORS 7-33-28XHW COMPL. INT. (16-7N-5W) NCT 660' FNL, NCT 0' FSL, NCT 660' FEL COMPL. INT. (21-7N-5W) NCT 0' FNL, NCT 150' FSL, NCT 660' FEL CONTINENTAL RESOURCES, INC. REC. 10-28-2019 (MILLER)
PENDING CD - 201905015	11/21/2019 - GC2 - (I.O.) 16 & 21-7N-5W EST MULTIUNIT HORIZONTAL WELL X644200 WDFD, OTHER 16-7N-5W XOTHER 16-7N-5W X593309 WDFD, OTHERS 21-7N-5W 33% 16-7N-5W 67% 21-7N-5W CONTINENTAL RESOURCES, INC. REC. 10-28-2019 (MILLER)
SPACING - 593309	11/21/2019 - GC2 - (640) 21-7N-5W EST WDFD, OTHERS EXT OTHERS
SPACING - 644200	11/21/2019 - GC2 - (640) 16-7N-5W VAC OTHERS VAC OTHER EXT (VER) OTHERS EST (VER) OTHERS EST (HOR) WDFD, OTHER COMPL. INT. (WDFD) NCT 330' FB

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