

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

API NUMBER: 011 24017

Approval Date: 05/30/2018

Expiration Date: 11/30/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 15N Rge: 11W

County: BLAINE

SPOT LOCATION: ☐ SE ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 616 265

Lease Name: HOMSEY

Well No: 6-22-27XHM

Well will be 265 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

RODNEY E. & CAROL A. COWAN  
858455 NORTH 2600 ROAD  
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPI	11173	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 579436  
578803

Location Exception Orders:

Increased Density Orders: 664809

Pending CD Numbers: 201803005  
201803086  
201803088

Special Orders:

Total Depth: 21989

Ground Elevation: 1460

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 110

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 18-34334

H. SEE MEMO

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

## HORIZONTAL HOLE 1

Sec 27 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: S2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 11623

Radius of Turn: 464

Direction: 182

Total Length: 9637

Measured Total Depth: 21989

True Vertical Depth: 12520

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

5/22/2018 - 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

5/22/2018 - 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)

#### INCREASED DENSITY - 664809

5/29/2018 - G56 - 22-15N-11W  
X579436 MISS  
9 WELLS  
CONTINENTAL RESOURCES, INC  
6/13/17

#### INTERMEDIATE CASING

5/22/2018 - 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

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

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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.

011 24017 HOMSEY 6-22-27XHM

Category	Description
MEMO	5/22/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201803005	5/29/2018 - G56 - 27-15N-11W X578803 MISS 4 WELLS CONTINENTAL RESOURCES, INC REC 5/7/18 (NORRIS)
PENDING CD - 201803086	5/29/2018 - G56 - (I.O.) 22 & 27-15N-11W EST MULTIUNIT HORIZONTAL WELL X579436 MISS 22-15N-11W X578803 MISS 27-15N-11W 50% 22-15N-11W 50% 27-15N-11W CONTINENTAL RESOURCES, INC REC 5/7/18 (NORRIS)
PENDING CD - 201803088	5/29/2018 - G56 - (I.O.) 22 & 27-15N-11W X579436 MISS 22-15N-11W X578803 MISS 27-15N-11W COMPL INT (22-15N-11W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL COMPL INT (27-15N-11W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO ANOTHER WELL MISS CONTINENTAL RESOURCES, INC REC 5/7/18 (NORRIS)
SPACING - 578803	5/29/2018 - G56 - (640) 27-15N-11W EXT 563805 OTHERS EST MISS
SPACING - 579436	5/29/2018 - G56 - (640) 22-15N-11W EXT 563805 OTHERS EST MISS

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