

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

API NUMBER: 011 24024 A

Approval Date: 06/11/2018

Expiration Date: 12/11/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE OPERATOR, UPDATE ORDERS & ADD  
DISPOSAL METHOD

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 16N Rge: 10W

County: BLAINE

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 204 1956

Lease Name: QUINTLE

Well No: 4-10-3XHM

Well will be 204 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC

Telephone: 4052349020; 4052349

OTC/OCC Number: 20944 0

CONTINENTAL RESOURCES INC  
PO BOX 269000  
OKLAHOMA CITY, OK 73126-9000

GARY M. QUINTLE  
24201 NORTH 2720 ROAD  
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9830	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 639444  
644711

Location Exception Orders:

Increased Density Orders: 681742  
681743

Pending CD Numbers: 201804082  
201804083  
201807009

Special Orders:

Total Depth: 19931 Ground Elevation: 1246

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 40

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 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: FLOWERPOT

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34559

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 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: FLOWERPOT

## HORIZONTAL HOLE 1

Sec 03 Twp 16N Rge 10W County BLAINE

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2178

Depth of Deviation: 9353

Radius of Turn: 477

Direction: 12

Total Length: 9829

Measured Total Depth: 19931

True Vertical Depth: 9830

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

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

5/29/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

5/29/2018 - 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 - 681742

9/7/2018 - G75 - 3-16N-10W  
X639444 MSSP  
5 WELLS  
CONTINENTAL RESOURCES, INC.  
8-20-2018

INCREASED DENSITY - 681743

9/7/2018 - G75 - 10-16N-10W  
X644711 MSSP  
5 WELLS  
CONTINENTAL RESOURCES, INC.  
8-20-2018

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011 24024 QUINTLE 4-10-3XHM

Category	Description
INTERMEDIATE CASING	5/29/2018 - 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
MEMO	8/30/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST; WBM, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO R360 (ORDER #587498); PIT 2 - OBM TO VENDOR
PENDING CD - 201804082	9/7/2018 - G75 - (I.O.) 10 & 3-16N-10W EST MULTIUNIT HORIZONTAL WELL X644711 MSSP 10-16N-10W X639444 MSSP 3-16N-10W 50% 10-16N-10W 50% 3-16N-10W NO OP. NAMED REC 9-12-2018 (P. PORTER)
PENDING CD - 201804083	9/7/2018 - G75 - (I.O.) 10 & 3-16N-10W X644711 MSSP 10-16N-10W X639444 MSSP 3-16N-10W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELLS COMPL. INT. (10-16N-10W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (3-16N-10W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL NO OP. NAMED REC 9-12-2018 (P. PORTER)
PENDING CD - 201807009	9/7/2018 - G75 - (E.O.) X681742 & 681743 CHANGING OPERATOR TO NO OPERATOR NAMED REC 9-10-2018 (THOMAS)
SPACING - 639444	6/5/2018 - G75 - (640)(HOR) 3-16N-10W VAC 260856 MCSTR S2, NW4 VAC 168134/169097 MSSSD S2, NW4 VAC OTHER EST MSSP, OTHERS POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 168134/169097 MSSSD NE4 & ORDER # 260856 MCSTR NE4)
SPACING - 644711	6/5/2018 - G75 - (640) 10-16N-10W VAC 426226 MCSTR S2, NE4 VAC 168134/169097 MSSSD, OTHER S2, NE4 EST (HOR) OTHER EST (VER) OTHERS EXT (HOR) 639444 MSSP, OTHERS COMPL. INT. NCT 660' FB (COEXIT SP. ORDER # 168134/169097 MSSSD NW4 & ORDER # 426226 MCSTR NW4)

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