API NUMBER: 039 22504 A

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION

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

Approval Date: 06/05/2017
Expiration Date: 12/05/2017

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 15N Rge: 15W County: CUSTER

SPOT LOCATION: NE NW NW NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**

SECTION LINES: **280** **350**

Lease Name: KNUTE **Well No: 1-33-4XH** **Well will be 280 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

CATHOLIC ARCHDIOCESE OF OKC
P.O. BOX 32181
OKLAHOMA CITY OK 73123

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	14252	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 658537
655410

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201703426
201703427

Special Orders:

Total Depth: 24312 Ground Elevation: 1767 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 350

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32649

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: 250000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 04 Twp 14N Rge 15W County CUSTER

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 350

Depth of Deviation: 13775

Radius of Turn: 477

Direction: 180

Total Length: 9788

Measured Total Depth: 24312

True Vertical Depth: 14252

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

Additional Surface Owner	Address	City, State, Zip
CATHOLIC FOUNDATION OK, INC.	7501 NW EXPRESSWAY	OKLAHOMA CITY, OK 73132
SOCIETY PROPAGATION OF FAITH	70 W. 36TH ST. FL. 8	NEW YORK, NY 10018
CATHOLIC NEAR EAST WELFARE	1011 FIRST AVENUE	NEW YORK, NY 10022

Notes:

Category	Description
DEEP SURFACE CASING	6/2/2017 - 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	6/2/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE
MEMO	6/2/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201703426	6/5/2017 - G75 - (E.O.) 33-15N-15W & 4-14N-15W EST MULTIUNIT HORIZONTAL WELL XOTHER X658537 MSSP, OTHER 33-15N-15W X655410 MSSP 4-14N-15W 50% 33-15N-15W 50% 4-14N-15W CONTINENTAL RESOURCES, INC. REC 6-2-2017 (M. PORTER)

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.

Category	Description
PENDING CD - 201703427	6/5/2017 - G75 - (E.O.) 33-15N-15W & 4-14N-15W XOTHER X658537 MSSP, OTHER 33-15N-15W X655410 MSSP 4-14N-15W COMPL. INT. (33-15N-15W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (4-14N-15W) NCT 0' FNL, NCT 150' FSL, NCT 330' FWL CONTINENTAL RESOURCES, INC. REC 6-2-2017 (M. PORTER)
SPACING - 655410	6/5/2017 - G75 - (640) 4-14N-15W VAC 483481 MCSTR, MSSLM, OTHERS EST OTHERS EXT 646715 MSSP
SPACING - 658537	6/5/2017 - G75 - (640) 33-15N-15W VAC 198524 MCSTR EXT 634292 MSSP, OTHER
SURFACE CASING	6/2/2017 - G71 - MIN. 500' PER ORDER # 42589

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.