

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

API NUMBER: 011 23765 A

Approval Date: 03/20/2017

Expiration Date: 09/20/2017

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: ADD FORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 16N Rge: 13W

County: BLAINE

SPOT LOCATION: N2 NE NE NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 245 330

Lease Name: LASSITER

Well No: 1-20-29XH

Well will be 245 feet from nearest unit or lease boundary.

Operator CONTINENTAL RESOURCES INC
Name:

Telephone: 4052349020; 4052349

OTC/OCC Number: 3186 0

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

PRESTON & CANDY MASQUELIER
25436 STATE HIGHWAY 58
FAY OK 73646

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	10296	6	
2	WOODFORD	12280	7	
3			8	
4			9	
5			10	

Spacing Orders: 685279
689002

Location Exception Orders: 689003

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 22355

Ground Elevation: 1836

Surface Casing: 540

Depth to base of Treatable Water-Bearing FM: 290

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32067

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: ON SITE

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: 3

Liner required for Category: 3

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 29 Twp 16N Rge 13W 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: 11818

Radius of Turn: 477

Direction: 180

Total Length: 9788

Measured Total Depth: 22355

True Vertical Depth: 12280

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

Notes:

Category

Description

HYDRAULIC FRACTURING

3/14/2017 - 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/](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

INTERMEDIATE CASING

3/15/2017 - 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.

LOCATION EXCEPTION - 689003

2/20/2019 - G75 - (I.O.) 20 & 29-16N-13W
XOTHER
X685279 MSNLC, WDFD, OTHER
SHL (20-16N-13W) 245' FNL, 330' FEL
COMPL. INT. (20-16N-13W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL
COMPL. INT. (29-16N-13W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL
NO OP. NAMED
12-31-2018

MEMO

3/14/2017 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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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 23765 LASSITER 1-20-29XH

Category	Description
SPACING - 685279	2/20/2019 - G75 - (640) 20 & 29-16N-13W VAC 205164 MISS 20-16N-13W VAC 152625 MSSLM 29-16N-13W EXT OTHER EST MSNLC EXT 584551 WDFD 20-16N-13W EXT 587630 WDFD, OTHER 29-16N-13W
SPACING - 689002	2/20/2019 - G75 - (I.O.) 20 & 29-16N-13W EST MULTIUNIT HORIZONTAL WELL XOTHER X685279 MSNLC, WDFD, OTHER (MSNLC ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 20-16N-13W 50% 29-16N-13W NO OP. NAMED 12-31-2018