

API NUMBER: 011 24333

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

Approval Date: 08/16/2022

Expiration Date: 02/16/2024

Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 18 Township: 13N Range: 13W County: BLAINE

SPOT LOCATION: ☐ SE ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 475 1275

Lease Name: HECKENBERG

Well No: 5-18-19-30XHW

Well will be 475 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC

Telephone: 4052349000; 4052349000;

OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC

OKLAHOMA CITY, OK 73126

PIEPER FAMILY TRUST

PO BOX

HYDRO OK 73048-0302

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	14662
2	WOODFORD	319WDFD	14784
3	HUNTON	269HNTN	15711

Spacing Orders: 651366

587717

130882

637846

136470

637475

725882

Location Exception Orders: 726191

Increased Density Orders: 725678

725679

725680

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 29919

Ground Elevation: 1702

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 410

Deep surface casing has been approved

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 22-38222

H. (Other)

SEE MEMO

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

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

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.

MULTI UNIT HOLE 1

Section: 30 Township: 13N Range: 13W Meridian: 1M Total Length: 14879

County: BLAINE Measured Total Depth: 29919

Spot Location of End Point: SW SE SE SW True Vertical Depth: 16000

Feet From: **SOUTH** 1/4 Section Line: 50 End Point Location from

Feet From: **WEST** 1/4 Section Line: 2000 Lease, Unit, or Property Line: 50

NOTES:

Category	Description
DEEP SURFACE CASING	[7/19/2022 - 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	<p>[7/19/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
INCREASED DENSITY - 725678	<p>[8/16/2022 - G56] - 30-13N-13W</p> <p>X637475 WDFD</p> <p>1 WELL</p> <p>NO OP NAMED</p> <p>5/19/2022</p>
INCREASED DENSITY - 725679	<p>[8/16/2022 - G56] - 18-13N-13W</p> <p>X587717 WDFD</p> <p>1 WELL</p> <p>NO OP NAMED</p> <p>5/19/2022</p>
INCREASED DENSITY - 725680	<p>[8/16/2022 - G56] - 19-13N-13W</p> <p>X637846 WDFD</p> <p>1 WELL</p> <p>NO OP NAMED</p> <p>5/19/2022</p>
LOCATION EXCEPTION - 726191	<p>[8/16/2022 - G56] - (I.O.) 18, 19 & 30-13N-13W</p> <p>X651366 MSSP 18-13N-13W</p> <p>X587717 WDFD 18-13N-13W</p> <p>X130882 HNTN 18-13N-13W</p> <p>X637846 MSSP, WDFD 19-13N-13W</p> <p>X136470 HNTN 19 & 30-13N-13W</p> <p>X637475 MSSP, WDFD 30-13N-13W</p> <p>COMPL INT (18-13N-13W) NCT 150' FNL, NCT 0' FSL, NCT 660' FWL</p> <p>COMPL INT (19-13N-13W) NCT 0' FNL, NCT 0' FSL, NCT 660' FWL</p> <p>COMPL INT (30-13N-13W) NCT 0' FNL, NCT 150' FSL, NCT 660' FWL</p> <p>CONTINENTAL RESOURCES, INC</p> <p>6/15/2022</p>
MEMO	[7/19/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 130882	<p>[8/16/2022 - G56] - (640) 18-13N-13W</p> <p>EST CSTR, OTHERS</p> <p>EXT 104778 MSSP, HNTN, OTHERS</p> <p>(VAC BY SP # 651366 CSTR, MSSP)</p>
SPACING - 136470	<p>[8/16/2022 - G56] - (640) 19 & 30-13N-13W</p> <p>EXT OTHERS</p> <p>EXT 131145 CSTR, MISS, HNTN, OTHERS</p> <p>(VAC BY SP # 637846 19-13N-13W, # 637475 30-13N-13W)</p>

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.

SPACING - 587717	[8/16/2022 - G56] - (640) 18-13N-13W EST WDFD
SPACING - 637475	[8/16/2022 - G56] - (640) 30-13N-13W EST OTHERS VAC 136470 CSTR, MISS, OTHERS EXT 591695 WDFD, OTHER
SPACING - 637846	[8/16/2022 - G56] - (640) 19-13N-13W EST OTHER VAC 136470 CSTR, MISS, OTHERS EXT 591695 WDFD, OTHER EXT 130882 MSSP
SPACING - 651366	[8/16/2022 - G56] - (640) 18-13N-13W EST OTHERS EXT OTHER VAC 130882 CSTR, MSSP, OTHERS EXT 633435 MSSP
SPACING - 725882	[8/16/2022 - G56] - (I.O.) 18, 19 & 30-13N-13W EST MULTIUNIT HORIZONTAL WELL X651366 MSSP 18-13N-13W X587717 WDFD 18-13N-13W X130882 HNTN 18-13N-13W X637846 MSSP, WDFD 19-13N-13W X136470 HNTN 19 & 30-13N-13W X637475 MSSP, WDFD 30-13N-13W (MSSP, HNTN ARE ADJACENT CSS TO WDFD) 33% 18-13N-13W 34% 19-13N-13W 33% 30-13N-13W CONTINENTAL RESOURCES, INC 6/1/2022

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