

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

API NUMBER: 051 24634 A

Approval Date: 05/15/2019
Expiration Date: 11/15/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: AMENDED TO ADD MISSISSIPPIAN FORMATION,
UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 6N Rge: 5W County: GRADY
SPOT LOCATION: SE NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 400 1630

Lease Name: EARLY Well No: 5-29-32XHW Well will be 400 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

VIVIAN I. STROUD
1593 COUNTY ROAD 1630
ROFF OK 74865

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	12750	6	
2 WOODFORD	13191	7	
3		8	
4		9	
5		10	

Spacing Orders: 629390 Location Exception Orders: 706261 Increased Density Orders: 698248
416838 697641
706260

Pending CD Numbers:

Special Orders:

Total Depth: 20506 Ground Elevation: 1159 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

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

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

PERMIT NO: 19-36573

Chlorides Max: 3000 Average: 2000

H. SEE MEMO

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 BED AQUIFER

Pit Location Formation: DUNCAN

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.

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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 32 Twp 6N Rge 5W County GRADY

Spot Location of End Point: W2 E2 W2 E2

Feet From: NORTH 1/4 Section Line: 2640

Feet From: EAST 1/4 Section Line: 1815

Depth of Deviation: 12698

Radius of Turn: 477

Direction: 182

Total Length: 7059

Measured Total Depth: 20506

True Vertical Depth: 13437

End Point Location from Lease,
Unit, or Property Line: 1815

Notes:

Category

Description

DEEP SURFACE CASING

5/1/2019 - 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

5/1/2019 - 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; 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

INCREASED DENSITY - 697641 (201902212)

12/30/2019 - G56 - 32-6N-5W
X416838 WDFD
4 WELLS
NO OP. NAMED
6/12/2019

INCREASED DENSITY - 698248 (201902210)

12/30/2019 - G56 - 29-6N-5W
X629390 WDFD
4 WELLS
NO OP. NAMED
6/24/2019

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.

LOCATION EXCEPTION - 706261
(201902207)

12/30/2019 - G56 - (I.O.) 29 & 32-6N-5W
X629390 MSSP, WDFD 29-6N-5W
X416838 WDFD 32-6N-5W
COMPL. INT. (29-6N-5W) NCT 150' FNL, NCT 0' FSL, NCT 1320' FEL
COMPL. INT. (32-6N-5W) NCT 0' FNL, NCT 150' FSL, NCT 1320' FEL
CONTINENTAL RESOURCES, INC.
12/12/2019

MEMO

5/1/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 -
OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 416838

12/30/2019 - G56 - (640) 32-6N-5W
VAC OTHER
EST OTHER
EXT OTHERS
EXT 415357 WDFD, OTHERS

SPACING - 629390

12/30/2019 - G56 - (640) 29-6N-5W
EXT OTHERS
EXT 610650 MSSP, WDFD, OTHERS

SPACING - 706260 (201902206)

12/30/2019 - G56 - (I.O.) 29 & 32-6N-5W
EST MULTIUNIT HORIZONTAL WELL
X629390 MSSP, WDFD 29-6N-5W
X416838 WDFD 32-6N-5W
(MSSP IS ADJACENT COMMON SOURCE OF SUPPLY TO WDFD)
66% 29-6N-5W
34% 32-6N-5W
CONTINENTAL RESOURCES, INC.
12/12/2019

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.