

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

API NUMBER: 037 29455

Approval Date: 07/14/2020
Expiration Date: 01/14/2022

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 21 Township: 17N Range: 9E County: CREEK

SPOT LOCATION: C S2 SE NE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 330 660

Lease Name: HEYBURN Well No: 11 Well will be 660 feet from nearest unit or lease boundary.
Operator Name: CARTLEDGE & CARTLEDGE OIL COMPANY Telephone: 9186715053; 9183213034 OTC/OCC Number: 11750 0

CARTLEDGE & CARTLEDGE OIL COMPANY INC
PO BOX 40
KIEFER, OK 74041-0040

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KIEFER OK 74041

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

	Name	Code	Depth
1	BARTLESVILLE	404BRVL	2500
2	DUTCHER	403DTCR	3000

Spacing Orders: 570248

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 3025

Ground Elevation: 828

Surface Casing: 450

Depth to base of Treatable Water-Bearing FM: 340

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: 2

Liner not required for Category: 2

Pit Location is: BED AQUIFER

Pit Location Formation: BARNSDALL

NOTES:

Category	Description
HYDRAULIC FRACTURING	7/14/2020 - GC2 - 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

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	7/14/2020 - G56 - DTCR FORMATION UNSPACED; 160-ACRE LEASE (N2 NE4, SE4 NE4, NE4 SE4)
SPACING - 570248	7/14/2020 - G56 - (UNIT) S2 NE4, N2 SE4, S2 SE4, SE4 SE4 SW4 21-17N-9E EST HEYBURN BARTLESVILLE UNIT FOR BRVL

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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
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