

API NUMBER: 087 22180 A

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

Approval Date: 09/30/2022

Expiration Date: 03/30/2024

Horizontal Hole Oil & Gas

**PERMIT TO DEEPEN**

WELL LOCATION: Section: 31 Township: 6N Range: 2W County: MCCLAIN

SPOT LOCATION: NE NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 248 185

Lease Name: VAUGHN 6N 2W 29 Well No: 1HX Well will be 185 feet from nearest unit or lease boundary.

Operator Name: CHARTER OAK PRODUCTION CO LLC Telephone: 4052860361 OTC/OCC Number: 21672 0

CHARTER OAK PRODUCTION CO LLC  
13929 QUAIL POINTE DR  
OKLAHOMA CITY, OK 73134-1037

R&K SMITH PROPERTIES, LLC  
17129 STATE HWY 24  
PURCELL OK 73080

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

Name	Code	Depth
1 WOODFORD	319WDFD	7800

Spacing Orders: 687013

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: \*\*\*

Special Orders: No Special

Total Depth: 13850

Ground Elevation: 1112

Surface Casing: 563 IP

Depth to base of Treatable Water-Bearing FM: 310

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: 22-38503

H. (Other)

CLOSED SYSTEM=STEEL PITS (REQUIRED - FINN CREEK)

**PIT 1 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: PURCELL

**HORIZONTAL HOLE 1**

Section: 29 Township: 6N Range: 2W Meridian: IM

Total Length: 5101

County: MCCLAIN

Measured Total Depth: 13850

Spot Location of End Point: N2 N2 N2 NW

True Vertical Depth: 8000

Feet From: NORTH 1/4 Section Line: 50

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

Feet From: WEST 1/4 Section Line: 1320

**NOTES:**

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.

Category	Description
COMPLETION INTERVAL	[9/20/2022 - G56] - WILL BE NO CLOSER THAN 165' FROM BOUNDARY PER OPERATOR;
HYDRAULIC FRACTURING	<p>[8/11/2022 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
SPACING - 687013	<p>[9/20/2022 - G56] - (640)(HOR) 29-6N-2W  VAC 620093 WDFD  EXT 677926 WDFD  POE TO BHL NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL</p>
WATERSHED STRUCTURE	[8/4/2022 - GC2] - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405)527-3452 PRIOR TO DRILLING