

API NUMBER: 045 23881

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

Approval Date: 01/03/2023

Expiration Date: 07/03/2024

Horizontal Hole Oil & Gas

## PERMIT TO DRILL

WELL LOCATION: Section: 22 Township: 17N Range: 24W County: ELLIS

SPOT LOCATION: ☐ SW ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 358 860

Lease Name: MICHAEL Well No: 1-22-27CHX Well will be 358 feet from nearest unit or lease boundary.

Operator Name: CRAWLEY PETROLEUM CORPORATION Telephone: 4052329700 OTC/OCC Number: 7980 0

CRAWLEY PETROLEUM CORPORATION  
105 N HUDSON AVE STE 800  
OKLAHOMA CITY, OK 73102-4803

JEFFREY M GROSS  
47016 U. S. HIGHWAY 283  
ARNETT OK 73832

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

Name	Code	Depth
1 CHEROKEE	404CHRK	10550

Spacing Orders: 730353

Location Exception Orders: 730777

Increased Density Orders: No Density

Pending CD Numbers: No Pending

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

Special Orders: No Special

Total Depth: 20395

Ground Elevation: 2277

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 460

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: 22-38795

H. (Other)

SEE MEMO

### 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: BED AQUIFER

Pit Location Formation: OGALLALA

### PIT 2 INFORMATION

Type of Pit System: ON SITE

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: 3

Liner required for Category: 3

Pit Location is: BED AQUIFER

Pit Location Formation: OGALLALA

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.

**HORIZONTAL HOLE 1**

Section: 27	Township: 17N	Range: 24W	Meridian: IM	Total Length: 9543
	County: ELLIS			Measured Total Depth: 20395
Spot Location of End Point: SW	SE	SW	SW	True Vertical Depth: 10729
Feet From: <b>SOUTH</b>		1/4 Section Line: 165		End Point Location from
Feet From: <b>WEST</b>		1/4 Section Line: 900		Lease, Unit, or Property Line: 165

<b>Additional Surface Owner(s)</b>	<b>Address</b>	<b>City, State, Zip</b>
BRENDA L. GROSS	40582 U. S. HIGHWAY 283	ARNETT, OK 73832

**NOTES:**

Category	Description
DEEP SURFACE CASING	[1/3/2023 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.
HYDRAULIC FRACTURING	[1/3/2023 - GC2] - OCC 165:10-3-10 REQUIRES:  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;  2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: <a href="https://oklahoma.gov/occ/divisions/oil-gas/ogcd-forms">HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS</a> ; AND,  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>
LOCATION EXCEPTION - 730777 (2022-004168)	[1/3/2023 - GC2] - (I.O.) 22 & 27-17N-24W X730353 CHRK 22 & 27-17N-24W NCT 330' FNL, NCT 330' FSL, NCT 330'FWL 22 & 27-17N-24W CRAWLEY PETROLEUM CORPORATION 12/19/2022
MEMO	[1/3/2023 - GC2] - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 730353	[1/3/2023 - GC2] - (1280)(HOR) 22 & 27-17N-24W VAC 217220 CHRK 22 & 27-17N-24W EST CHRK COMPL. INT. NCT 660' FB