

API NUMBER: 045 23897

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

Approval Date: 03/31/2023
Expiration Date: 09/30/2024

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 21 Township: 17N Range: 24W County: ELLIS

SPOT LOCATION: SE NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 400 950

Lease Name: HARRY Well No: 2-21-28 CHX Well will be 400 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 US HWY 283
ARNETT OK 73832

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

Name	Code	Depth
1 CHEROKEE	404CHRK	10650

Spacing Orders: 730363

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 23000804
202300803

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 20250 Ground Elevation: 2261

Surface Casing: 650

Depth to base of Treatable Water-Bearing FM: 430

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: 23-38944

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: 28	Township: 17N	Range: 24W	Meridian: IM	Total Length: 9300
	County: ELLIS			Measured Total Depth: 20250
Spot Location of End Point: W2	SW	SE	SE	True Vertical Depth: 10750
Feet From: SOUTH		1/4 Section Line: 330		End Point Location from
Feet From: EAST		1/4 Section Line: 1100		Lease, Unit, or Property Line: 330

Additional Surface Owner(s)	Address	City, State, Zip
BRENDA L. GROSS	40582 US HWY 283	ARNETT, OK 73832

NOTES:

Category	Description
HYDRAULIC FRACTURING	<p>[3/28/2023 - 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 FRACTURING OPERATIONS. FORM 6000NH shall be found here: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; 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>
MEMO	[3/28/2023 - GC2] - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202300803	[3/31/2023 - G56] - 21 & 28-17N-24W X730363 CHRK 1 WELL NO OP NAMED REC 3/21/2023 (HUBER)
PENDING CD - 23000804	[3/31/2023 - G56] - (I.O.) 21 & 28-17N-24W X730363 CHRK COMPL INT NCT 330' FNL, NCT 330' FSL, NCT 330' FEL NO OP NAMED REC 3/21/2023 (HUBER)
SPACING - 730363	[3/31/2023 - G56] - (1280)(HOR) 21 & 28-17N-24W VAC 138264 CHRK EST CHRK COMPL INT NCT 660' FB
SURFACE CASING	[3/28/2023 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 28-17N-24W