

API NUMBER: 093 25268

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

Approval Date: 02/22/2022

Expiration Date: 08/22/2023

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 23 Township: 21N Range: 13W County: MAJOR

SPOT LOCATION: NE NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 208 208

Lease Name: VOGT Well No: 1-23MH Well will be 208 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 73102-4803RONALD G VOGT, SUCCESSOR TRUSTEE OF THE CAROLYN R.
VOGT TRUST DATED AUGUST 24, 1982
8 WEST VIEW DR
AKRON PA 17501

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

Name	Code	Depth
1 MERAMEC	353MRMC	7750

Spacing Orders: 86422

Location Exception Orders: 723318

Increased Density Orders: 723385

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 12800

Ground Elevation: 1382

Surface Casing: 750

Depth to base of Treatable Water-Bearing FM: 510

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: 22-38073

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is: NON HSA

Pit Location Formation: FLOWERPOT

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is: NON HSA

Pit Location Formation: FLOWERPOT

HORIZONTAL HOLE 1

Section: 23 Township: 21N Range: 13W Meridian: IM

Total Length: 5144

County: MAJOR

Measured Total Depth: 12800

Spot Location of End Point: S2 S2 S2 SE

True Vertical Depth: 7850

Feet From: SOUTH 1/4 Section Line: 165

End Point Location from

Feet From: EAST 1/4 Section Line: 1320

Lease, Unit, or Property Line: 165

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.

NOTES:	
Category	Description
HYDRAULIC FRACTURING	<p>[2/18/2022 - 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: OCCEWEB.COM/OG/OGFORMS.HTML; 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>
INCREASED DENSITY - 723385	<p>[2/22/2022 - G56] - 23-21N-13W X823385 MPMC 1 WELL NO OP NAMED 2/8/2022</p>
LOCATION EXCEPTION - 723318	<p>[2/22/2022 - G56] - (I.O.) 23-21N-13W X86422 MPMC COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 660' FEL CRAWLEY PETRO CORP 2/4/2022</p>
MEMO	<p>[2/18/2022 - GC2] - PITS 2 & 3 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
SPACING - 86422	<p>[2/22/2022 - G56] - (640) 23-21N-13W EXT OTHER EST OTHERS EXT 83198 MPMC</p>
SURFACE CASING	<p>[2/18/2022 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 25-21N-13W</p>