

API NUMBER: 151 24605

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

Approval Date: 09/14/2022

Expiration Date: 03/14/2024

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 11 Township: 24N Range: 13W County: WOODS

SPOT LOCATION: ☐ NW ☐ SE ☐ NE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1745 2119

Lease Name: JEFFRIES

Well No: 1-11

Well will be 521 feet from nearest unit or lease boundary.

Operator Name: KLO LLC

Telephone: 9185999327; 9185999327

OTC/OCC Number: 16112 0

KLO LLC
321 S FRANKFORT AVE
TULSA, OK 74120-2428

MARK LEON JEFFRIES AND PATSY B. JEFFRIES
PO BOX 275
CLEO SPRINGS OK 73729

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

	Name	Code	Depth
1	TONKAWA	406TNKW	4597
2	COTTAGE GROVE	405CGGV	5353
3	OSWEGO	404OSWG	5695
4	MANNING	354MNNG	6059
5	MISSISSIPPI	351MISS	6059

	Name	Code	Depth
6	WOODFORD	319WDFD	6901
7	HUNTON	269HNTN	6961
8	VIOLA	202VIOL	7116
9	SIMPSON GROUP	202SMPSG	7276
10	ARBUCKLE	169ABCK	7594

Spacing Orders: 728046

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: 8000

Ground Elevation: 1360

Surface Casing: 900

Depth to base of Treatable Water-Bearing FM: 370

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 22-38509

H. (Other)

CLOSED SYSTEM=STEEL PITS (REQUIRED - BODY OF WATER)

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 60000 Average: 6000

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

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
DEEP SURFACE CASING	[9/7/2022 - GC2] - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	<p>[9/7/2022 - 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>
SPACING	[9/14/2022 - G56] - WDFD UNSPACED; 320-ACRE LEASE (S2)
SPACING - 728046	<p>[9/14/2022 - G56] - (E.O.) (320) 11-24N-13W LD NCT 660' FB VAC 115868 OSWG, MNNG, MISS VAC 342218 TNKW, CRLM, HNTN, VIOL, SMPSPG, ABCK, OTHERS EST TNKW, CGGV, OSWG, MNNG, MISS, HNTN, VIOL, SMPSPG, ABCK, OTHERS 8/31/2022</p>

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