

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

API NUMBER: 071 24919

Approval Date: 08/07/2020

Expiration Date: 02/07/2022

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 33 Township: 28N Range: 5E County: KAY

SPOT LOCATION: W2 NE SW NW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 990 770

Lease Name: LADY JANE Well No: 3-33 Well will be 330 feet from nearest unit or lease boundary.

Operator Name: MACKEY CONSULTING & LEASING LLC Telephone: 9184304443 OTC/OCC Number: 22179 0

MACKEY CONSULTING & LEASING LLC
PO BOX 490
CLEVELAND, OK 74020-0490

THE PAYNE FAMILY TRUST DATED THE 21ST DAY OF MARCH 2014
P.O. BOX 1557
PAWHUSKA OK 74056

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

Name	Code	Depth
1 NEWKIRK	459NKRK	1500
2 COTTAGE GROVE	405CGGV	2100
3 TRUE LAYTON	405LYTNT	2250
4 CLEVELAND	405CLVD	2700
5 BIG LIME	404BGLM	2800

Name	Code	Depth
6 OSWEGO	404OSWG	2850
7 SKINNER	404SKNR	2950
8 RED FORK	404RDFK	2975
9 BARTLESVILLE	404BRVL	3000
10 MISSISSIPPIAN	359MSSP	3050

Spacing Orders: 707288

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 3300

Ground Elevation: 1120

Surface Casing: 250

Depth to base of Treatable Water-Bearing FM: 200

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: 2

Liner not required for Category: 2

Pit Location is: BED AQUIFER

Pit Location Formation: OSCAR

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
HYDRAULIC FRACTURING	<p>8/7/2020 - GC2 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;</p> <p>2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG</p>
SPACING - 707288	<p>8/7/2020 - GB6 - (40) 33-28N-5E VAC 472710 NKRK, CCGV, LYTNT, CLVD, BGLM, OSWG, SKNR, RDFK, BRVL, MSSP EST NKRK, CCGV, LYTNT, CLVD, BGLM, OSWG, SKNR, RDFK, BRVL, MSSP</p>

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.