

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

API NUMBER: 071 24916

Approval Date: 01/28/2020

Expiration Date: 07/28/2021

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 28N Rge: 5E

County: KAY

SPOT LOCATION: C

N2

NW

SW

FEET FROM QUARTER: FROM

SOUTH

FROM

WEST

SECTION LINES:

2310

660

Lease Name: LADY JANE

Well No: 1-33

Well will be 660 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 3/21/2014
PO BOX 1557
PAWHUSKA OK 74056

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

	Name	Depth		Name	Depth
1	NEWKIRK	1500	6	OSWEGO	2850
2	COTTAGE GROVE	2100	7	SKINNER	2950
3	TRUE LAYTON	2250	8	RED FORK	2975
4	CLEVELAND	2700	9	BARTLESVILLE	3000
5	BIG LIME	2800	10	MISSISSIPPIAN	3050

Spacing Orders: 707288

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3200

Ground Elevation: 1085

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

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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>1/27/2020 - 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>1/28/2020 - GC2 - (40) 33-28N-5E VAC 472710 EST NKRK, CGGV, LYTNT, CLVD, BGLM, OSWG, SKNR, RDFK, BRVL, MSSP</p>