

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

API NUMBER: 037 29405

Approval Date: 05/30/2018

Expiration Date: 11/30/2018

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 16N Rge: 8E

County: CREEK

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 990 740

Lease Name: DEERE

Well No: 3A

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: LUKE OIL COMPANY

Telephone: 9187604714

OTC/OCC Number: 18170 0

LUKE OIL COMPANY
PO BOX 1257
BRISTOW, OK 74010-1257

TOMMY MCGUIRE
P.O. BOX 263
DEPEW OK 74028

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

	Name	Depth		Name	Depth
1	TRUE LAYTON	1275	6	RED FORK	2600
2	JONES /SD/	1750	7	BARTLESVILLE	2800
3	OSWEGO	2150	8	DUTCHER (ATOKA)	3150
4	PRUE	2300	9	MISSISSIPPIAN	3200
5	SKINNER	2450	10	WILCOX	3700

Spacing Orders: 677587

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3800

Ground Elevation: 872

Surface Casing: 610

Depth to base of Treatable Water-Bearing FM: 530

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: VAMOOSA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

Notes:

This permit does not address the right of entry or settlement of surface damages.

037 29405 DEERE 3A

The duration of this permit is SIX 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>5/7/2018 - G71 - 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: OCCWEB.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 - 677587	<p>5/21/2018 - G75 - (40) NE4 23-16N-8E EXT 254310 LYTNT, PRUE, SKNR, RDFK, DTCAT, WLCX EST JONS, OSWG, BRVL, MSSP</p>
SURFACE LOCATION	<p>5/30/2018 - G75 - 990' FSL, 740' FEL SE4 NE4 23-16N-8E PER OPERATOR</p>