

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

API NUMBER: 107 23619

Approval Date: 06/24/2019

Expiration Date: 12/24/2020

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 10N Rge: 12E

County: OKFUSKEE

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 330 899

Lease Name: LINDA GREENFIELD

Well No: 1-2

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

Operator Name: RUFFEL LANCE OIL & GAS LLC

Telephone: 4052397036

OTC/OCC Number: 15459 0

RUFFEL LANCE OIL & GAS LLC
210 PARK AVE STE 2150
OKLAHOMA CITY, OK 73102-5632

GARY AND LINDA GREENFIELD TRUST
393079 EAST 11230 ROAD
WELEETKA OK 74880

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

	Name	Depth		Name	Depth
1	SENORA	1300	6	UNION VALLEY	3250
2	RED FORK	2100	7	CROMWELL	3270
3	BARTLESVILLE	2200	8	VIOLA	4065
4	GILCREASE	2900	9	1ST WILCOX	4170
5	WAPANUCKA	3100	10	2ND WILCOX	4230

Spacing Orders: 697482

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4300

Ground Elevation: 879

Surface Casing: 150

Depth to base of Treatable Water-Bearing FM: 100

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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: CALVIN

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 19-36598

H. MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

Notes:

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

107 23619 LINDA GREENFIELD 1-2

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>6/14/2019 - 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 - 697482	<p>6/24/2019 - G56 - (80) NW4 2-10N-12E LD NW/SE VAC 260130 SNOR, BRVL, GLCR, WPCK, UVLM, CMWL, VIOL, WLCX EST SNOR, RDFK, BRVL, GLCR, WPCK, UNVL, CMWL, VIOL, WLCX1, WLCX2</p>