

API NUMBER: 083 24454

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

Approval Date: 07/02/2021  
Expiration Date: 01/02/2023

Straight Hole Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 17 Township: 16N Range: 3W County: LOGAN

SPOT LOCATION: ☐ NW ☐ NE ☐ SW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 1470 760

Lease Name: LIBERTY Well No: 3-17 Well will be 760 feet from nearest unit or lease boundary.  
Operator Name: O'BRIEN OIL CORPORATION Telephone: 4052826500 OTC/OCC Number: 22501 0

O'BRIEN OIL CORPORATION  
201 W OKLAHOMA AVE STE 233  
GUTHRIE, OK 73044-3154

COTTONWOOD LAND DEVELOPMENT LLC  
201 W OKLAHOMA SUITE 233  
GUTHRIE OK 73044

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

	Name	Code	Depth
1	OSWEGO	404OSWG	5661
2	MISSISSIPPI	351MISS	5861
3	HUNTON	269HNTN	5937
4	VIOLA	202VIOL	6141
5	SIMPSON	202SMPS	6318

Spacing Orders: 490669

Location Exception Orders: 718402

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Working interest owners' notified: \*\*\*

Special Orders: No Special Orders

Total Depth: 6400

Ground Elevation: 1059

**Surface Casing: 380**

Depth to base of Treatable Water-Bearing FM: 310

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: garber

**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>[6/29/2021 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
LOCATION EXCEPTION - 718402	<p>[7/1/2021 - GC2] - (F.O.) W2 NW4 17-16N-3W  X490669 OSWG, MISS, HNTN, VIOL, SMPS, OTHERS  1470' FNL, 760' FWL  O'BRIEN OIL CORPORATION  5-18-2021</p>
SPACING - 490669	<p>[7/1/2021 - GC2] - (80)(160)(IRR UNIT) W2 AND W2 E2 17-16N-3W SU NW/SW  VAC 398295 OSWG, MISS, HNTN, VIOL, OTHERS W2 AND W2 E2 17-16N-3W  EST (80) OTHERS W2 NW4 17-16N-3W  EST (160)(IRR UNIT) N/A  EXT 142705 (80) OSWG, MISS, HNTN, VIOL, SMPS, OTHERS W2 NW4 17-16N-3W</p>