API NUMBER: 143 24369

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

Approval Date: 08/15/2022
Expiration Date: 02/15/2024

Straight Hole Oil & Gas

PERMIT TO DRILL

| <u> </u> | | | | | | | | | | | | | |
|--|-------------------|--------------|------------|-----------|------------|------------------------------------|---|--------------|--------------------|---------------|-----------------|---------------------------|--------------------|
| WELL LOCATION: | | | ownship: | 21N | Range: | 12E | County: | TULSA | | | | | |
| SPOT LOCATION: | NW NE | NE | SE | FEET FROM | QUARTER: | FROM | SOUTH | FROM | EAST | | | | |
| | | | | SECT | ION LINES: | | 2440 | | 360 | | | | |
| Lease Name: | CWU | | | | | Well No | : 16 | | | Well will be | 200 | feet from nearest unit | or lease boundary. |
| Operator Name: | LDO LLC | | | | T | elephone | : 9185741 | 320 | | | | OTC/OCC Num | ber: 24147 0 |
| | | | | | | | | , – | | | | | |
| LDO LLC | | | | | | | | | ISH PROPERTI | ES LLC | | | |
| | | | | | | | | 2 | 525 66 STREET | NORTH | | | |
| TULSA, | | | ОК | 74137-30 | 020 | | | $ _{\tau}$ | ULSA | | | OK 74127 | |
| 1020, 1, | | | OIX | 7 1107 0 | 020 | | | 11' | ULSA | | | OK 74127 | |
| | | | | | | | | ╽┕ | | | | | |
| | | | | | | | | _ | | | | | |
| Formation(s) | (Permit Val | id for Lis | ted For | mations O | nly): | | | | | | | | |
| Name | | | Code | | | Depth | | 1 [| Name | | | Code | Depth |
| 1 CLEVELAN | D | | 405Cl | _VD | | 200 | | 6 | MISSISSIPPIAN | | | 359MSSP | 1550 |
| 2 OSWEGO | | | 4040 | SWG | | 700 | | 7 | WOODFORD | | | 319WDFD | 1750 |
| 3 BARTLESV | ILLE | | 404BF | RVL | | 1150 | | 8 | ARBUCKLE | | | 169ABCK | 1850 |
| 4 TUCKER | | | 404T0 | CKR | | 1320 | | | | | | | |
| 5 BURGESS | | | 404BF | RGS | | 1450 | | | | | | | |
| Spacing Orders: | No Spacin | g | | | Loca | tion Exce | ption Orde | s: N | o Exceptions | | In | creased Density Orders: | No Density |
| Pending CD Numbers: No Pending Working interest of | | | | | | terest own | ners' notified: *** | | | | Special Orders: | No Special | |
| Total Depth: 2 | | Ground Ele | vation: 6 | 12 | Ç, | ırfaca | Casing: | 100 | | Denth t | n hase | of Treatable Water-Bearin | ng FM: 40 |
| rotal Deptil. | 2000 | Orouna Lie | valion. o | 12 | 30 | inace | casing. | 100 | | 2 op in t | o bacc | or reacable react beam | .g |
| Under Federal Jurisdiction: No | | | | | | | Approved Method for disposal of Drilling Fluids: | | | | | | |
| Fresh Water Supply Well Drilled: No | | | | | | | A. Evaporation/dewater and backfilling of reserve pit. | | | | | | |
| Surfac | e Water used to D | Orill: No | | | | | | | | | | | |
| DIT 1 INFOR | MATION | | | | | | | | Category | of Pit· / | | | |
| PIT 1 INFORMATION Type of Pit System: ON SITE | | | | | | Liner not required for Category: 4 | | | | | | | |
| Type of Mud System: AIR | | | | | | | Pit Location is: ALLUVIAL | | | | | | |
| | - | | | | | | | | Pit Location Forma | ation: ALLUVI | UM | | |
| Is depth to top of ground water greater than 10ft below base of pit? Y | | | | | | | Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000). | | | | | | |
| Within 1 mile of municipal water well? N | | | | | | | | | | | | | |
| | Wellhead Prote | ction Area? | N | | | | | | | | | | |
| Dit ie I | acatad in a Hudra | logically Co | noitivo Ar | | | | | | | | | | |

NOTES:

| Category | Description |
|----------------------|--|
| HYDRAULIC FRACTURING | [6/7/2022 - GC2] - OCC 165:10-3-10 REQUIRES: |
| | 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; |
| | 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: OCCEWEB.COM/OG/OGFORMS.HTML; AND, |
| | 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 FRACFOCUS.ORG |
| SPACING | [6/8/2022 - G56] - FORMATIONS UNSPACED; 200 ACRE LEASE (SE4, E2 E2 SW4) |