

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

API NUMBER: 037 29421

Approval Date: 01/14/2019
Expiration Date: 07/14/2020

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 19N Rge: 7E County: CREEK
SPOT LOCATION: S2 NW SW NE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 678 330

Lease Name: TERRAIN Well No: 1-32 Well will be 330 feet from nearest unit or lease boundary.
Operator Name: TERRAIN ENERGY LLC Telephone: 2149064413 OTC/OCC Number: 24319 0

TERRAIN ENERGY LLC
PO BOX 600013
DALLAS, TX 75360-0013

TERRAIN ENERGY LLC
3643 UNIVERSITY BLVD
DALLAS TX 75360

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

Name	Depth	Name	Depth
1 LAYTON	1500	6 PRUE	2487
2 CLEVELAND	1900	7 BARTLESVILLE	2591
3 BIG LIME-OSWEGO	2197	8 1ST WILCOX	2894
4 SKINNER UP	2225	9 2ND WILCOX	2919
5 SKINNER LOW	2250	10 ARBUCKLE	3076

Spacing Orders: 182989

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3300

Ground Elevation: 845

Surface Casing: 610

Depth to base of Treatable Water-Bearing FM: 560

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 2500 Average: 1500

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36093

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

Notes:

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

037 29421 TERRAIN 1-32

Category	Description
HYDRAULIC FRACTURING	<p>1/11/2019 - 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: 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>
PUBLIC WATER SUPPLY WELL	1/11/2019 - G71 - OILTON - 1 PWS/WPA, SE/4 32-19N-7E
SPACING - 182989	<p>1/11/2019 - G56 - (40) N2, N2 S2 32-19N-7E</p> <p>MOD OTHERS</p> <p>VAC 28933 SKNR, OTHER</p> <p>EXT 54067/176079 SKNRL,</p> <p>EXT 179220 SKNRL, ABCK, LYTN, CLVD, BGLO, PRUE, BRVL, WLCX1, WLCX2, SKNRU, OTHERS</p>

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