

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

API NUMBER: 037 29444

Approval Date: 11/14/2019
Expiration Date: 05/14/2021

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 18N Rge: 7E County: CREEK
SPOT LOCATION: NE SW SW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 2308 469

Lease Name: THLOCCO Well No: 101 Well will be 469 feet from nearest unit or lease boundary.

Operator Name: OAKLAND PETROLEUM OPERATING CO INC Telephone: 9184963027 OTC/OCC Number: 10179 0

OAKLAND PETROLEUM OPERATING CO INC
1801 E 71ST ST
TULSA, OK 74136-3922

ESTATE OF JAMES W. OWENS, C/O SAM T. ALLEN, IV
P.O. BOX 230
SAPULPA, OK 74067

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

Name	Depth	Name	Depth
1 LAYTON	1290	6 PINK LIME	2380
2 CLEVELAND	1610	7 RED FORK	2490
3 OSWEGO	2130	8 BARTLESVILLE	2520
4 CHECKERBOARD	2140	9 ARBUCKLE	2575
5 PRUE	2174	10	

Spacing Orders: 180462
701570

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3000

Ground Elevation: 873

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 750

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: VAMOOSA

H. CLOSED SYSTEM=STEEL PITS (REQUIRED-CIMARRON RIVER)

E. Haul to Commercial pit facility: Sec. 13 Twn. 19N Rng. 5E Cnty. 119 Order No: 561542

Additional Surface Owner Address City, State, Zip
ESTATE OF GEORGE OWENS, C/O 234 W. 13TH STREET TULSA, OK 74119-

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>10/22/2019 - GC2 - 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>
SPACING	<p>11/14/2019 - GC2 - FORMATION UNSPACED 160-ACRE LEASE NW4</p>
SPACING - 180462	<p>11/14/2019 - GC2 - (20) NW4 918N-7E LD SLOT 165' FB EST LYTN, CLVD, OSWG, PRUE, PKLM, RDFK, BRVL, OTHERS</p>
SPACING - 701570	<p>11/14/2019 - GC2 - (20) NW4 9-18N-7E LD SLOT 165' FB EST ABCK, OTHER</p>