

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

API NUMBER: 071 24886

Approval Date: 04/10/2018
Expiration Date: 10/10/2018

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 25N Rge: 2E

County: KAY

SPOT LOCATION: SE SW NE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 1235 1924

Lease Name: GILLHAM

Well No: 5-23

Well will be 1924 feet from nearest unit or lease boundary.

Operator Name: TWISTED OAK OPERATING LLC

Telephone: 4056067481

OTC/OCC Number: 22261 0

TWISTED OAK OPERATING LLC
11218 TWISTED OAK RD
OKLAHOMA CITY, OK 73120-5330

DEAN LARAY GILLHAM, LIFE ESTATE
141 SPUNKY CREEK DRIVE
CATOOSA OK 74105

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

	Name	Depth	Name	Depth	
1	NEWKIRK	1362	6	AVANT	2500
2	PAWHUSKA	1500	7	PERRY	2728
3	OREAD	1837	8	LAYTON	2814
4	LOVELL	1888	9		
5	TONKAWA	2184	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3000

Ground Elevation: 940

Surface Casing: 320

Depth to base of Treatable Water-Bearing FM: 270

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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: OSCAR

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

PERMIT NO: 18-34105

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.

Category	Description
HYDRAULIC FRACTURING	<p data-bbox="553 100 1019 130">3/21/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <ol style="list-style-type: none"> <li data-bbox="553 149 1528 226">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; <li data-bbox="553 247 1528 346">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, <li data-bbox="553 367 1528 443">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
SPACING	<p data-bbox="553 453 1520 506">4/3/2018 - G57 - FORMATIONS UNSPACED; LEASE OUTLINE 120-ACRES S2 & NE4 NW4 23-25N-2E PER OPERATOR</p>

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