

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

API NUMBER: 111 27536

Approval Date: 01/23/2020

Expiration Date: 07/23/2021

Straight Hole

Injection

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 13N Rge: 11E

County: OKMULGEE

SPOT LOCATION:

NW

SW

NE

SW

FEET FROM QUARTER: FROM

**SOUTH**

FROM

**WEST**

SECTION LINES:

**1880**

**1360**

Lease Name: **TIGER FLATS DUTCHER UNIT**

Well No: **5-7**

Well will be **1280** feet from nearest unit or lease boundary.

Operator  
Name: **WILLIFORD ENERGY COMPANY**

Telephone: 9184952700

OTC/OCC Number: 7697 0

WILLIFORD ENERGY COMPANY  
6060 AMERICAN PLAZA STE 760  
TULSA, OK 74135-4357

MICHAEL BRIAN  
5345 ASH ROAD  
OKMULGEE OK 74447

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

	Name	Depth	Name	Depth
1	CALVIN	800	6	
2	BOOCH	2140	7	
3	DUTCHER	2530	8	
4	UNION VALLEY	2600	9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 2650

Ground Elevation: 880

**Surface Casing: 250**

Depth to base of Treatable Water-Bearing FM: 90

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: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

Type of Mud System: AIR

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: HOLDENVILLE

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

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>1/17/2020 - 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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
SPACING	1/23/2020 - GB6 - N/A - INJECTION WELL