

API NUMBER: 005 20471 A

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

Approval Date: 06/07/2019  
Expiration Date: 12/07/2020

Straight Hole Oil & Gas

Amend reason: DRILLED DEEPER THAN ANTICIPATED &  
WELL NAME CHANGE

**AMEND PERMIT TO DRILL**

WELL LOCATION: Section: 05 Township: 1N Range: 15E County: ATOKA

SPOT LOCATION: ☐ NE ☐ SW ☐ NE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 1915 970

Lease Name: WESTERN Well No: 5-47B Well will be 970 feet from nearest unit or lease boundary.

Operator Name: WESTERN OIL AND GAS DEVELOPMENT Telephone: 4052354590 OTC/OCC Number: 14635 0

WESTERN OIL AND GAS DEVELOPMENT CORP  
420 NW 13TH ST  
OKLAHOMA CITY, OK 73103-3735

JODY L AND MELISSA K KINDRED  
1175 NORTH PITTSBURG RD  
DAISY OK 74540

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

Name	Code	Depth
1 JACKFORK	354JKFK	5140

Spacing Orders: 551432

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202202462

Working interest owners' notified: \*\*\*

Special Orders: No Special

Total Depth: 5860

Ground Elevation: 756

Surface Casing: 310

Depth to base of Treatable Water-Bearing FM: 260

Under Federal Jurisdiction: No  
Fresh Water Supply Well Drilled: No  
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36658

H. (Other)

SEE MEMO

**PIT 1 INFORMATION**

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

**PIT 2 INFORMATION**

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

**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>5/23/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
MEMO	5/23/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - BUCK CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202202462	<p>[8/17/2022 - G56] - 5-1N-15E  X551432 JKFK  SHL 1915' FSL, 970' FEL  NO OP NAMED  REC 8/15/2022 (MYLES)</p>
SPACING - 551432	<p>[4/8/2022 - G56] - (640) 5-1N-15E  VAC 320800 JKFK  EST JKFK, OTHER</p>