

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

API NUMBER: 073 26136 A

Approval Date: 02/15/2019  
Expiration Date: 08/15/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 19N Rge: 7W County: KINGFISHER  
SPOT LOCATION:     FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 220 2294

Lease Name: BOETTLER 19-07-30 Well No: 1MH Well will be 220 feet from nearest unit or lease boundary.  
Operator Name: CHISHOLM OIL & GAS OPERATING LLC Telephone: 9184886400 OTC/OCC Number: 23991 0

CHISHOLM OIL & GAS OPERATING LLC  
6100 S YALE AVE STE 1700  
TULSA, OK 74136-1921

NICHOLAS KOSS & MARIBETH BOTTLER  
12429 E. 640 ROAD  
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	7435	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 681210

Location Exception Orders: 683789

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12631 Ground Elevation: 1193 Surface Casing: 340 Depth to base of Treatable Water-Bearing FM: 290

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: 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34800  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 30 Twp 19N Rge 7W County KINGFISHER

Spot Location of End Point: N2 N2 N2 N2

Feet From: NORTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 7178

Radius of Turn: 573

Direction: 357

Total Length: 4553

Measured Total Depth: 12631

True Vertical Depth: 7800

End Point Location from Lease,  
Unit, or Property Line: 175

Notes:

Category

Description

HYDRAULIC FRACTURING

6/22/2018 - G71 - OCC 165:10-3-10 REQUIRES:

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;

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](http://OCCEWEB.COM/OG/OGFORMS.HTML); AND,

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](http://FRACFOCUS.ORG)

LOCATION EXCEPTION - 683789

2/15/2019 - G56 - (I.O.) 30-19N-7W  
X681210 MSNLC  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 2000' FEL  
CHISHOLM OIL & GAS OP., LLC  
9/26/2018

SPACING - 681210

2/15/2019 - G56 - (640)(HOR) 30-19N-7W  
EXT 677584 MSNLC  
COMPL INT NLT 660' FB  
(COEXIST WITH SP. ORDER #52977/104380 MSSSD N2 & SE4)

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073 26136 BOETTTLER 19-07-30 1MH