

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

API NUMBER: 011 24161

Approval Date: 01/09/2019

Expiration Date: 07/09/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 17N Rge: 10W County: BLAINE  
SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 203 228

Lease Name: BUFFALO HEIFER 18-10-32 Well No: 1MH Well will be 203 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

ROBERT P SCHAFFLER JUDY L SCHAFFLER  
512 CHISOLM TRAIL  
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	8040	6	
2	WOODFORD	9350	7	
3			8	
4			9	
5			10	

Spacing Orders: 111424  
681943

Location Exception Orders: 658969

Increased Density Orders:

Pending CD Numbers: 201900179

Special Orders:

Total Depth: 14217

Ground Elevation: 1231

**Surface Casing: 150**

Depth to base of Treatable Water-Bearing FM: 100

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: 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35941  
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 32 Twp 18N Rge 10W County BLAINE

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 8429

Radius of Turn: 521

Direction: 359

Total Length: 4970

Measured Total Depth: 14217

True Vertical Depth: 9350

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

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

12/20/2018 - 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)

INTERMEDIATE CASING

12/20/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

LOCATION EXCEPTION - 658969

1/8/2019 - G56 - (I.O.) 32-18N-10W  
X681943 WDFD  
X111424 MSSLM  
COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 330' FEL  
CHISHOLM OIL & GAS OPERATING, LLC  
11/1/2018

PENDING CD - 201900179

1/9/2019 - G56 - (E.O.) 32-18N-10W  
X111424 MSSLM  
1 WELL  
CHISHOLM OIL & GAS OPERATING, LLC  
HEARING 1/15/2019

SPACING - 111424

1/8/2019 - G56 - (640) 32-18N-10W  
EXT OTHERS  
EXT 93374/97398 MSSLM, OTHERS

SPACING - 681943

1/8/2019 - G56 - (640)(HOR) 32-18N-10W  
EXT 645777 WDFD  
POE TO BHL NLT 165' FNL/FSL, NLT 330' FEL/FWL

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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.

011 24161 BUFFALO HEIFER 18-10-32 1MH

