

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

API NUMBER: 073 26347

Approval Date: 11/16/2018

Expiration Date: 05/16/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 19N Rge: 8W

County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 225 845

Lease Name: GREASY 19-08-18

Well No: 1MH

Well will be 225 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

RUDOLPH WALKER  
P O BOX 613  
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	7610	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 614534

Location Exception Orders: 686668

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13067

Ground Elevation: 1185

**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: 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: 18-35642

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 18 Twp 19N Rge 8W County KINGFISHER

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: 7279

Radius of Turn: 521

Direction: 5

Total Length: 4970

Measured Total Depth: 13067

True Vertical Depth: 7800

End Point Location from Lease,

Unit, or Property Line: 175

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

11/9/2018 - 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 - 686668

11/16/2018 - G56 - (I.O.) 18-19N-8W  
X614534 MISS  
COMPL INT NCT 150' FSL, NCT 150' FNL, NCT 330' FEL  
CHISHOLM OIL AND GAS OP., LLC  
11/14/2018

SPACING - 614534

11/16/2018 - G56 - (640)(HOR) 18-19N-8W  
VAC 72393/72492/104380 MSSSD  
VAC 94423/100903 MSSLM, OTHER  
EST MNNG  
EXT 612687 MISS, OTHERS  
COMPL INT NCT 660' FB

This permit does not address the right of entry or settlement of surface damages.

073 26347 GREASY 19-08-18 1MH

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.

# Well Location Plat

S.H.L. Sec. 19-19N-8W I.M.  
B.H.L. Sec. 18-19N-8W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: GREASY 19-08-18 1MH

Footage: 225' FNL - 845' FEL Gr. Elevation: 1185'

NE/4-NE/4-NW/4-NE/4 Section: 19 Township: 19N Range: 8W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in a flat cornfield.



All bearings shown  
are grid bearings.

0 660 1320 1980'

1" = 1320'

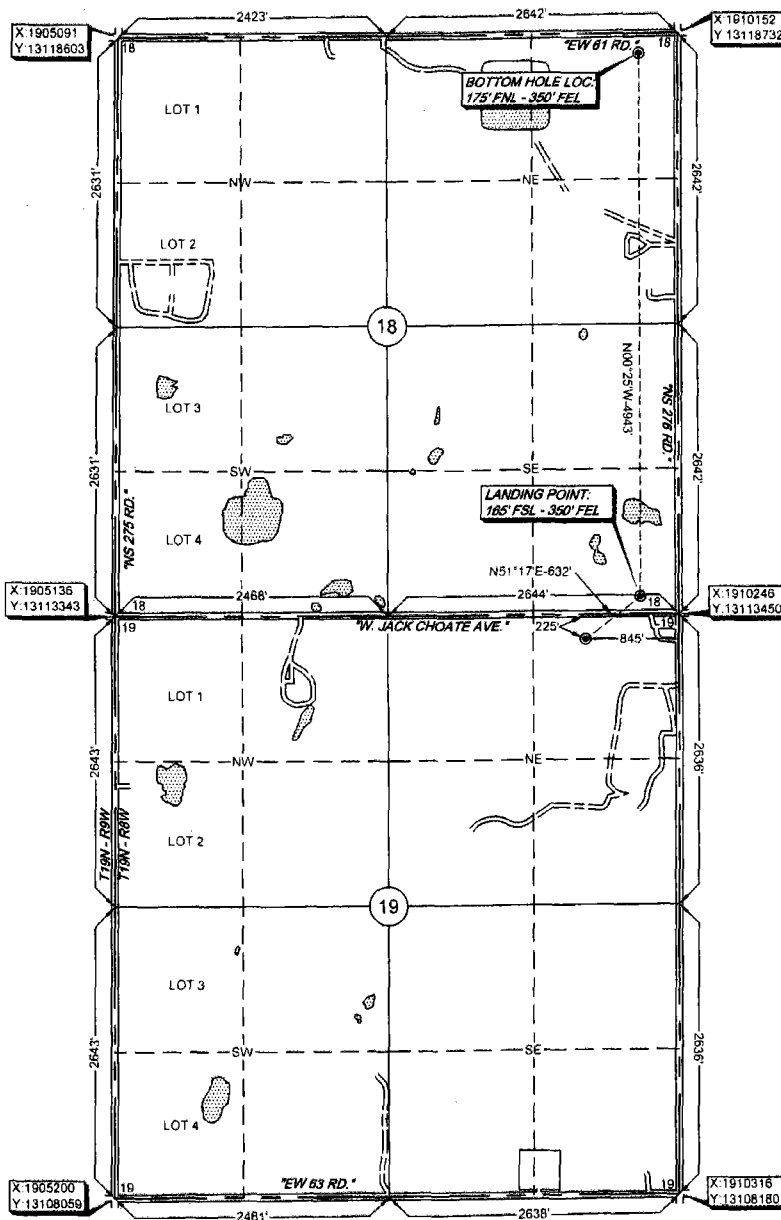
GPS DATUM  
NAD 83  
NAD 27  
UTM - ZONE 14

Surface Hole Loc.:  
Lat: 36°06'54.99"N  
Lon: 98°05'21.71"W  
Lat: 36.11523828  
Lon: -98.08902305  
X: 1909404  
Y: 13113207

Landing Point:  
Lat: 36°06'58.90"N  
Lon: 98°05'15.70"W  
Lat: 36.11632519  
Lon: -98.08735495  
X: 1909893  
Y: 13113607

Bottom Hole Loc.:  
Lat: 36°07'47.79"N  
Lon: 98°05'16.21"W  
Lat: 36.12990402  
Lon: -98.08749426  
X: 1909806  
Y: 13118548

Please note that this location plat was created as the result of a survey made on the ground under the supervision of a Licensed Professional Land Surveyor. The accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping, PLLC, if any inconsistency is determined. GPS data is shown here (NAD 83). GPS data is shown here (NAD 27). Coordinates may vary from those shown here. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or location thereof, and may not have been measured on the ground, and further, does not represent a true boundary survey.



Survey and plat by:  
Arkoma Surveying and Mapping, PLLC  
P.O. Box 238 Wilburton, OK 74578  
Ph. 918-465-5711 Fax 918-465-5030  
Certificate of Authorization No. 5348  
Expires June 30, 2020

Invoice #8088  
Date Staked: 08/21/18 By: D.K.  
Date Drawn: 08/23/18 By: M.K.  
Added BHL & LP: 08/30/18 By: M.K.

## Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

*Lance G. Mathis*  
LANCE G. MATHIS

08/30/18

OK LPLS 1664

