

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

API NUMBER: 073 26544

Approval Date: 04/18/2019

Expiration Date: 10/18/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 19N Rge: 8W

County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 235 1515

Lease Name: CAPTAIN SCULL 19-08-15

Well No: 1MH

Well will be 235 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

SHARON GUNTER  
2724 N. PERSHING STREET  
WICHITA KS 67220

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	7530	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 643183

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807010

Special Orders:

Total Depth: 12681

Ground Elevation: 1187

**Surface Casing: 360**

Depth to base of Treatable Water-Bearing FM: 310

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: 19-36500

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 15 Twp 19N Rge 8W County KINGFISHER

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 1356

Depth of Deviation: 7329

Radius of Turn: 521

Direction: 1

Total Length: 4534

Measured Total Depth: 12681

True Vertical Depth: 7850

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/13/2019 - 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)

PENDING CD - 201807010

4/18/2019 - G56 - (I.O.) 15-19N-8W  
X643183 MSSP  
COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 660' FEL  
NO OP NAMED  
REC 4/1/2019 (MOORE)

SPACING - 643183

4/18/2019 - G56 - (640)(HOR) 15-19N-8W  
EXT OTHERS  
EST MSSP, OTHER  
COMPL INT NCT 660' FB  
(COEXIST WITH SP # 69169/104380 MSSSD, # 144025 MNNG, # 153450 MNNG)



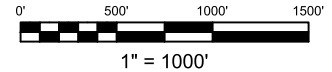
# Well Location Plat

Sec. 15-19N-8W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
 Lease Name and No.: CAPTAIN SCULL 19-08-15 1MH  
 Footage: 235' FSL - 1515' FEL Gr. Elevation: 1187'  
 SE/4-SE/4-SW/4-SE/4 Section: 15 Township: 19N Range: 8W I.M.  
 County: Kingfisher State of Oklahoma  
 Terrain at Loc.: Location fell in flat, open hay field.



All bearings shown  
are grid bearings.

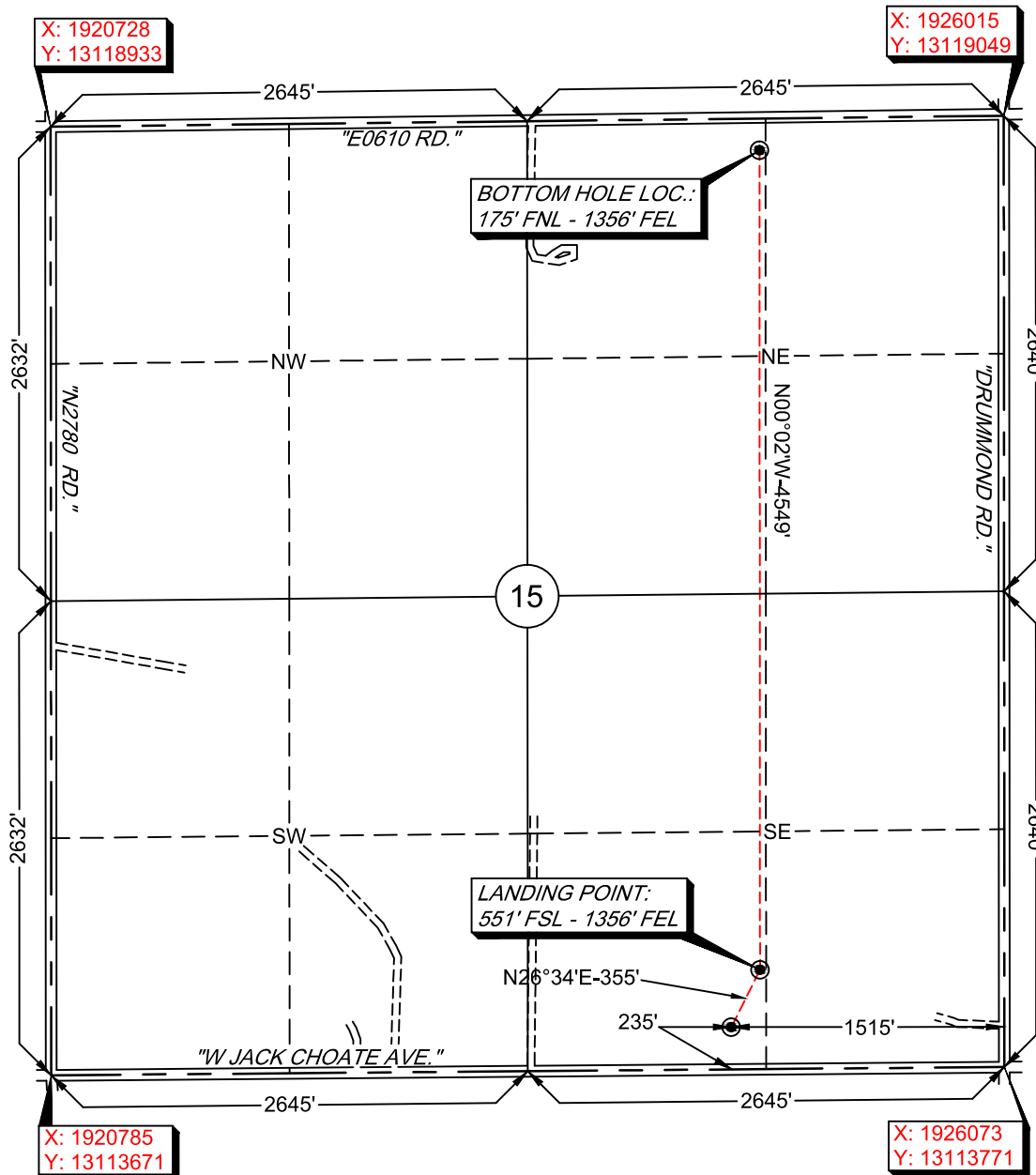


GPS DATUM  
 NAD 83  
 NAD 27  
 UTM - ZONE 14

Surface Hole Loc.:  
 Lat: 36°07'01.17"N  
 Lon: 98°02'16.90"W  
 Lat: 36.11695336  
 Lon: -98.03768804  
 X:1924556  
 Y:13113977

Landing Point:  
 Lat: 36°07'04.31"N  
 Lon: 98°02'14.96"W  
 Lat: 36.11782546  
 Lon: -98.03715104  
 X:1924712  
 Y:13114296

Bottom Hole Loc.:  
 Lat: 36°07'49.30"N  
 Lon: 98°02'15.02"W  
 Lat: 36.13032316  
 Lon: -98.03716718  
 X:1924662  
 Y:13118844



-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.  
 -NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.  
 -Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation 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 #8125  
 Date Staked: 09/11/18 By: Z.D.  
 Date Drawn: 09/13/18 By: J.D.  
 Revise LP & BHL: 09/17/18 By: J.D.  
 Revise Lease Name: 01/30/19 By: R.S.

## 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

01/30/19

OK LPLS 1664

