

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

API NUMBER: 073 26414

Approval Date: 01/09/2019  
Expiration Date: 07/09/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 18N Rge: 9W County: KINGFISHER  
SPOT LOCATION:  NW  NW  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 260 2360

Lease Name: **BIG TOM 18-09-18** Well No: **1MH** Well will be **260** 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

TRUSTEE OF THE VIRGINIA D. CLARK TESTAMENTARY TRUST  
3310 GOLDFINCH LANE  
ENID OK 73703

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	7678	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 656417

Location Exception Orders: 688730

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13817

Ground Elevation: 1248

**Surface Casing: 350**

Depth to base of Treatable Water-Bearing FM: 300

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

**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 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: FLOWERPOT

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-36057

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 18N Rge 9W County KINGFISHER

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2635

Depth of Deviation: 8043

Radius of Turn: 521

Direction: 359

Total Length: 4956

Measured Total Depth: 13817

True Vertical Depth: 7678

End Point Location from Lease,  
Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

1/2/2019 - 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)

LOCATION EXCEPTION - 688730

1/9/2019 - G58 - (I.O.) 18-18N-9W  
X656417 MSSP  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 660' FEL  
CHISHOLM OIL AND GAS OPERATING, LLC  
12/21/2018

SPACING - 656417

1/9/2019 - G58 - (640)(HOR) 18-18N-9W  
EXT OTHER  
EST MSSP  
COMPL. INT. NLT 660' FB  
(COEXIST SP. ORDERS 174062 UNCCR; 58429/62417 MSSSD)



# Well Location Plat

S.H.L. Sec. 19-18N-9W I.M.  
B.H.L. Sec. 18-18N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: BIG TOM 18-09-18 1M#

## 073-26414

Footage: 260' FNL - 2360' FEL Gr. Elevation: 1248'

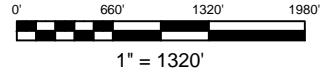
NW/4-NW/4-NW/4-NE/4 Section: 19 Township: 18N Range: 9W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in a open pasture with fences and fell 20' East of a N-S fence line.



All bearings shown are grid bearings.



GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°01'41.59"N

Lon: 98°12'01.92"W

Lat: 36.02818130

Lon: -98.20018772

X:1876840

Y:13081239

Landing Point:

Lat: 36°01'45.82"N

Lon: 98°12'05.33"W

Lat: 36.02935571

Lon: -98.20113535

X:1876556

Y:13081664

Bottom Hole Loc.:

Lat: 36°02'34.85"N

Lon: 98°12'05.49"W

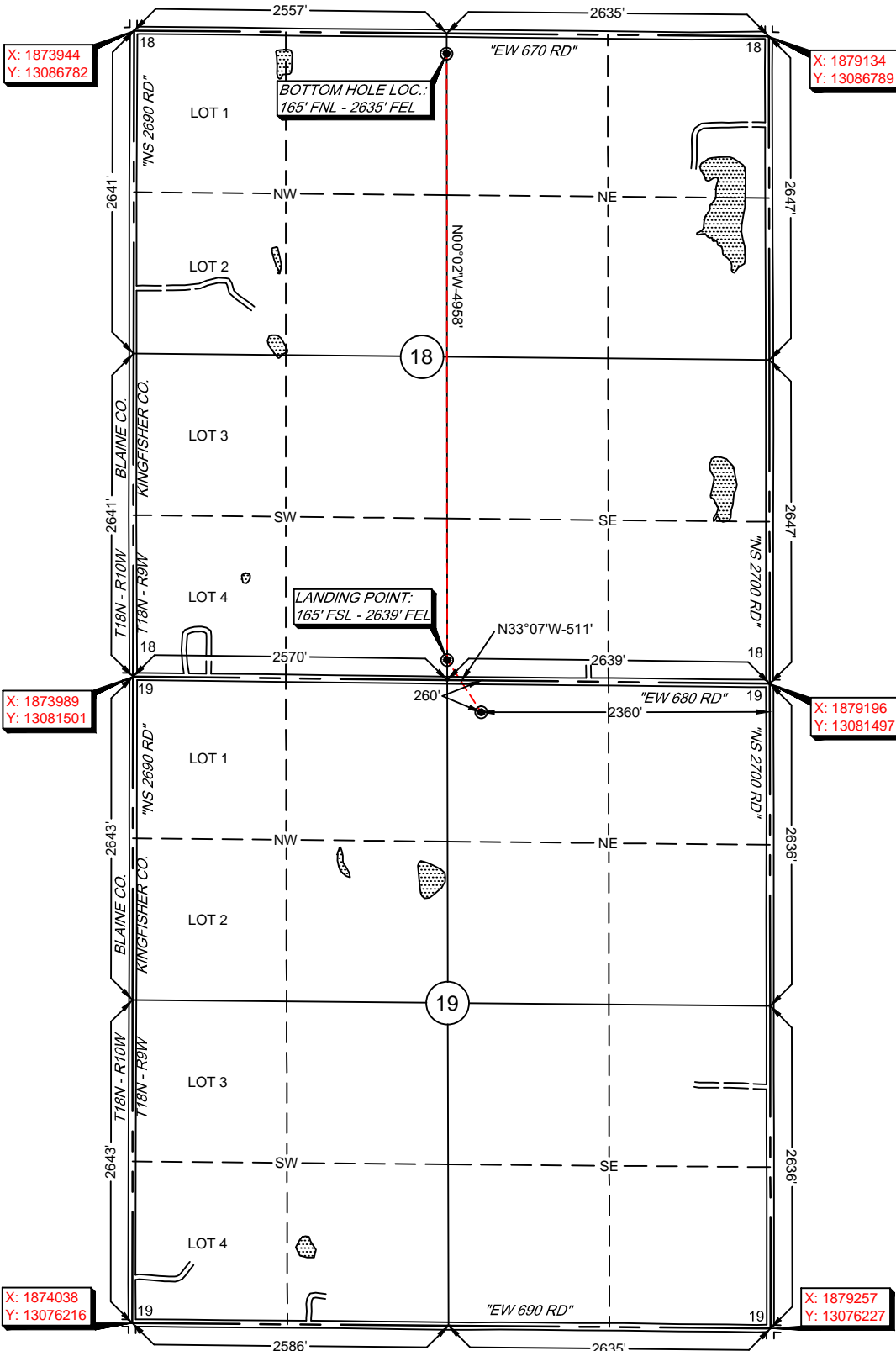
Lat: 36.04297705

Lon: -98.20118051

X:1876502

Y:13086620

-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 #8060

Date Staked: 08/11/18 By: R.L.

Date Drawn: 08/13/18 By: J.K.

Rev. Lease Name: 11/14/18 By: J.H.

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

11/15/18

OK LPLS 1664

