

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

API NUMBER: 073 26441

Approval Date: 02/13/2019

Expiration Date: 08/13/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 18N Rge: 5W

County: KINGFISHER

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 200 635

Lease Name: SUGGS BROTHERS 18-05-19

Well No: 1MH

Well will be 200 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

IRA B. MITCHELL  
10218 N. 2940 ROAD  
DOVER OK 73734

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

	Name	Depth	Name	Depth
1	MERAMEC	6663	6	
2	OSAGE	6940	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807785  
201808049  
201810728

Special Orders:

Total Depth: 11917

Ground Elevation: 1151

Surface Casing: 260

Depth to base of Treatable Water-Bearing FM: 210

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: 19-36182  
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 19 Twp 18N Rge 5W County KINGFISHER

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 6447

Radius of Turn: 573

Direction: 175

Total Length: 4570

Measured Total Depth: 11917

True Vertical Depth: 7050

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

Notes:

Category

Description

HYDRAULIC FRACTURING

1/25/2019 - 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 - 201807785

2/13/2019 - G75 - (E.O.)(640)(HOR) 19-18N-5W  
EXT OTHER  
EST MPMC, OSGE  
COMPL. INT. NLT 660' FB  
(COEXIST SP. ORDER # 44960/62761 MSSLM N2 & ORDER # 44960/62395/62761 MSSLM S2)  
CHISHOLM OIL & GAS OP., LLC  
REC 2-1-2019 (DUNN)

PENDING CD - 201808049

2/13/2019 - G75 - (E.O.) 19-18N-5W  
X201807785 MPMC, OSGE  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL  
CHISHOLM OIL & GAS OP., LLC  
REC 2-1-2019 (DUNN)

PENDING CD - 201810728

2/13/2019 - G75 - (E.O.) 19-18N-5W  
X165:10-3-28(C)(2)(B) MPMC, OSGE (SUGGS BROTHERS 18-05-19 1MH)  
MAY BE CLOSER THAN 600' TO MITCHELL "A" 1-19 (API 073-23480)  
CHISHOLM OIL & GAS OP., LLC  
REC 2-1-2019 (DUNN)



# Well Location Plat

Sec. 19-18N-5W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC

API 073-26441

Lease Name and No.: SUGGS BROTHERS 18-05-19 1MH

Footage: 200' FNL - 635' FEL Gr. Elevation: 1151'

NW/4-NE/4-NE/4 Section: 19 Township: 18N Range: 5W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in a flat open field.



All bearings shown  
are grid bearings.



1" = 1000'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°01'42.56"N

Lon: 97°46'02.86"W

Lat: 36.02844871

Lon: -97.76713107

X: 13082672

Y: 2004855

Landing Point:

Lat: 36°01'39.11"N

Lon: 97°45'59.30"W

Lat: 36.02749060

Lon: -97.76614116

X: 2005152

Y: 13082327

Bottom Hole Loc.:

Lat: 36°00'54.30"N

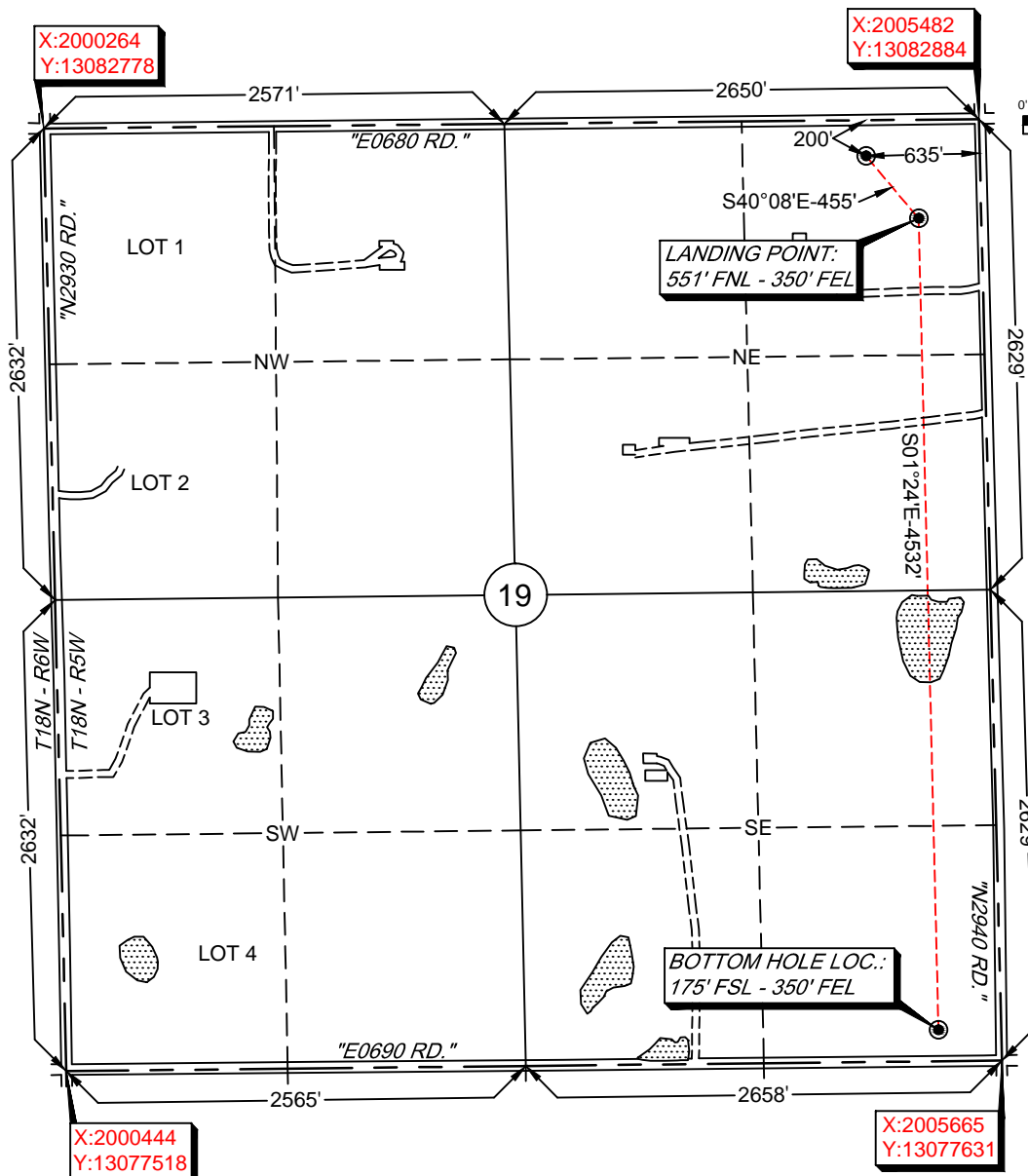
Lon: 97°45'58.08"W

Lat: 36.01504401

Lon: -97.76580248

X: 2005309

Y: 13077798



-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 #8123

Date Staked: 09/05/18 By: D.K.

Date Drawn: 09/07/18 By: M.K.

Revise Lease Name: 12/06/18 By: R.M.

## 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

12/06/18

OK LPLS 1664

