

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

API NUMBER: 083 24443

Approval Date: 01/10/2019

Expiration Date: 07/10/2020

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 18N Rge: 4W

County: LOGAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 450 320

Lease Name: XAVIER WANZ 18-04-07

Well No: 1MH

Well will be 320 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

CAROLYN V ALLEN
6721 NORTH 2980 ROAD
HENNESSEY OK 73742

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6022	6	
2	WOODFORD	6406	7	
3			8	
4			9	
5			10	

Spacing Orders: 685751

Location Exception Orders: 688739

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11587

Ground Elevation: 1045

Surface Casing: 200

Depth to base of Treatable Water-Bearing FM: 150

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 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: FAIRMONT

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

PERMIT NO: 18-35939

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 07 Twp 18N Rge 4W County LOGAN

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 350

Depth of Deviation: 5799

Radius of Turn: 521

Direction: 179

Total Length: 4970

Measured Total Depth: 11587

True Vertical Depth: 6406

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; 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

LOCATION EXCEPTION - 688739

1/10/2019 - G56 - (I.O.) 7-18N-4W
X685751 MSSP, WDFD
COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 330' FWL
CHISHOLM OIL & GAS OPERATING, LLC
12/21/2018

SPACING - 685751

1/10/2019 - G56 - (640)(HOR) 7-18N-4W
EXT 634279 MSSP
EXT 651735/656013 WDFD
POE TO BHL (MSSP) NLT 660' FB
POE TO BHL (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL
(COEXIST WITH SP # 127733 MSSLM, # 129184 MSSLM, #127910 MSSLM, # 628799 MISS, WDFD)

Well Location Plat

S.H.L. Sec. 6-18N-4W I.M.
B.H.L. Sec. 7-18N-4W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC
Lease Name and No.: XAVIER WANZ 18-04-07 1MH
Footage: 450' FSL - 320' FWL Gr. Elevation: 1045'
NW/4-SW/4-SW/4-SW/4 Section: 6 Township: 18N Range: 4W I.M.
County: Logan State of Oklahoma
Terrain at Loc.: Location fell in open crop field.



All bearings shown
are grid bearings.

1" = 1320'

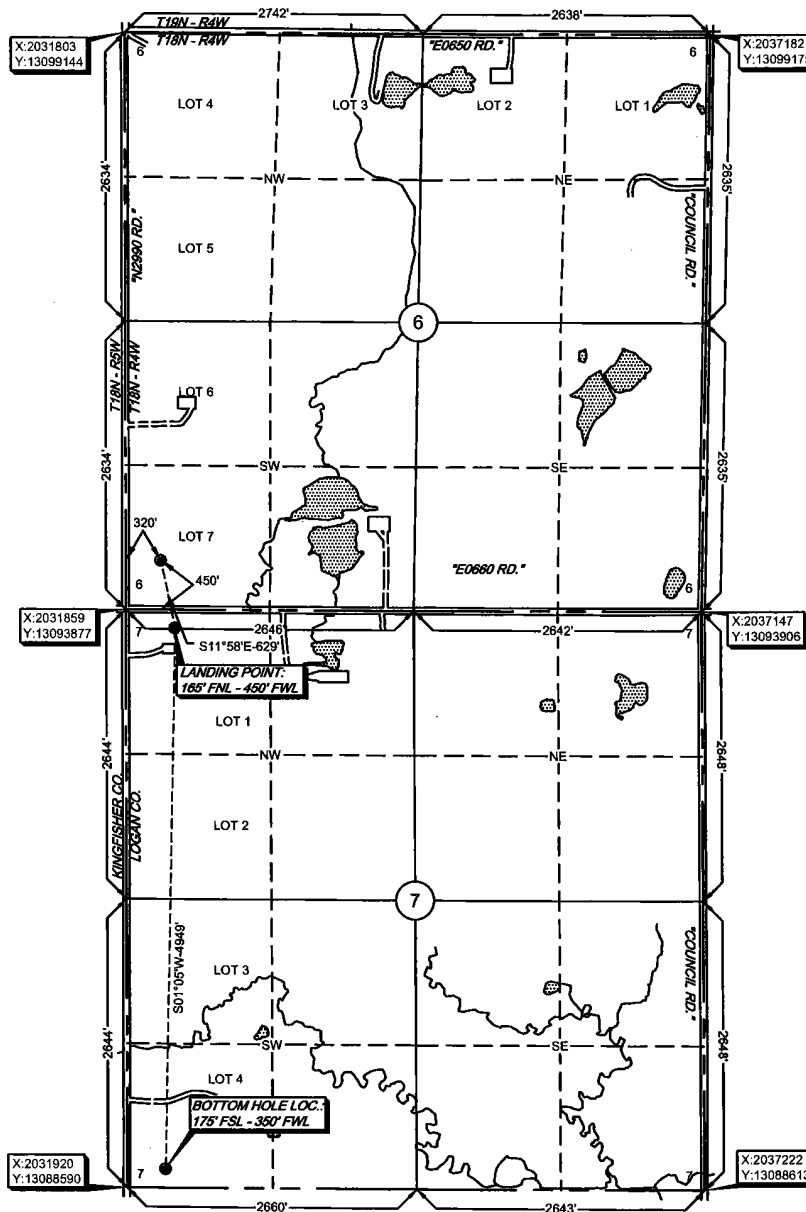
GPS DATUM
NAD 83
NAD 27
UTM - ZONE 14

Surface Hole Loc.:
Lat: 36°03'34.31"N
Lon: 97°40'28.28"W
Lat: 36.05948964
Lon: -97.67419486
X: 2032174
Y: 13094329

Landing Point:
Lat: 36°03'28.21"N
Lon: 97°40'26.72"W
Lat: 36.05779723
Lon: -97.67376065
X: 2032311
Y: 13093715

Bottom Hole Loc.:
Lat: 36°02'39.28"N
Lon: 97°40'28.06"W
Lat: 36.04420520
Lon: -97.67413420
X: 2032268
Y: 13088767

I hereby certify that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, and that the accuracy of this survey is as shown on this plat. I am not responsible for any inaccuracy in this survey if any inaccuracy is determined. GPS data is obtained from RTK - GPS. -NOTE: X and Y data shown herein for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true boundary survey. The location of the section corners is determined by the location of the section center, 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 #8160
Date Staked: 09/11/18 By: Z.D.
Date Drawn: 09/14/18 By: M.K.
Revise LP & BHL: 11/08/18 By: E.W.

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

11/08/18
OK LPLS 1664

