

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

API NUMBER: 073 26035

Approval Date: 05/01/2018  
Expiration Date: 11/01/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 18N Rge: 8W County: KINGFISHER  
SPOT LOCATION:  NE  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 185 620

Lease Name: LAREDO 18-08-23 Well No: 1H Well will be 185 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

KYLE A. KADAVY  
2192 EAST 710 ROAD  
LOYAL OK 73756

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

Name	Depth	Name	Depth
1	MISSISSIPPI LIME	7404	6
2			7
3			8
4			9
5			10

Spacing Orders: 674809

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802928

Special Orders:

Total Depth: 13017

Ground Elevation: 1051

**Surface Casing: 280**

Depth to base of Treatable Water-Bearing FM: 230

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-34353

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 23 Twp 18N Rge 8W County KINGFISHER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 340

Depth of Deviation: 7191

Radius of Turn: 573

Direction: 359

Total Length: 4926

Measured Total Depth: 13017

True Vertical Depth: 7750

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/20/2018 - 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](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 - 201802928

4/24/2018 - G57 - (I.O.) 23-18N-8W  
X674809 MSSLM  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL  
NO OP. NAMED  
REC 4-30-2018 (JOHNSON)

SPACING - 674809

4/24/2018 - G57 - (640) 23-18N-8W  
VAC 47656 CHRCH  
EXT (HOR) 631019 MSSLM, OTHER  
EXT (VER) OTHER  
EST (VER) OTHER  
POE TO BHL NCT 660' FB



# Well Location Plat

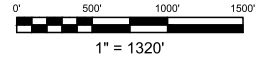
S.H.L. Sec. 23-18N-8W I.M.  
B.H.L. Sec. 26-18N-8W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: LAREDO 18-08-23 1H  
Footage: 185' FNL - 620' FWL Gr. Elevation: 1051'  
N/2-N/2-NW/4-NW/4 Section: 26 Township: 18N Range: 8W I.M.  
County: Kingfisher State of Oklahoma  
Terrain at Loc.: Location fall in alfalfa.

API: 073 26035

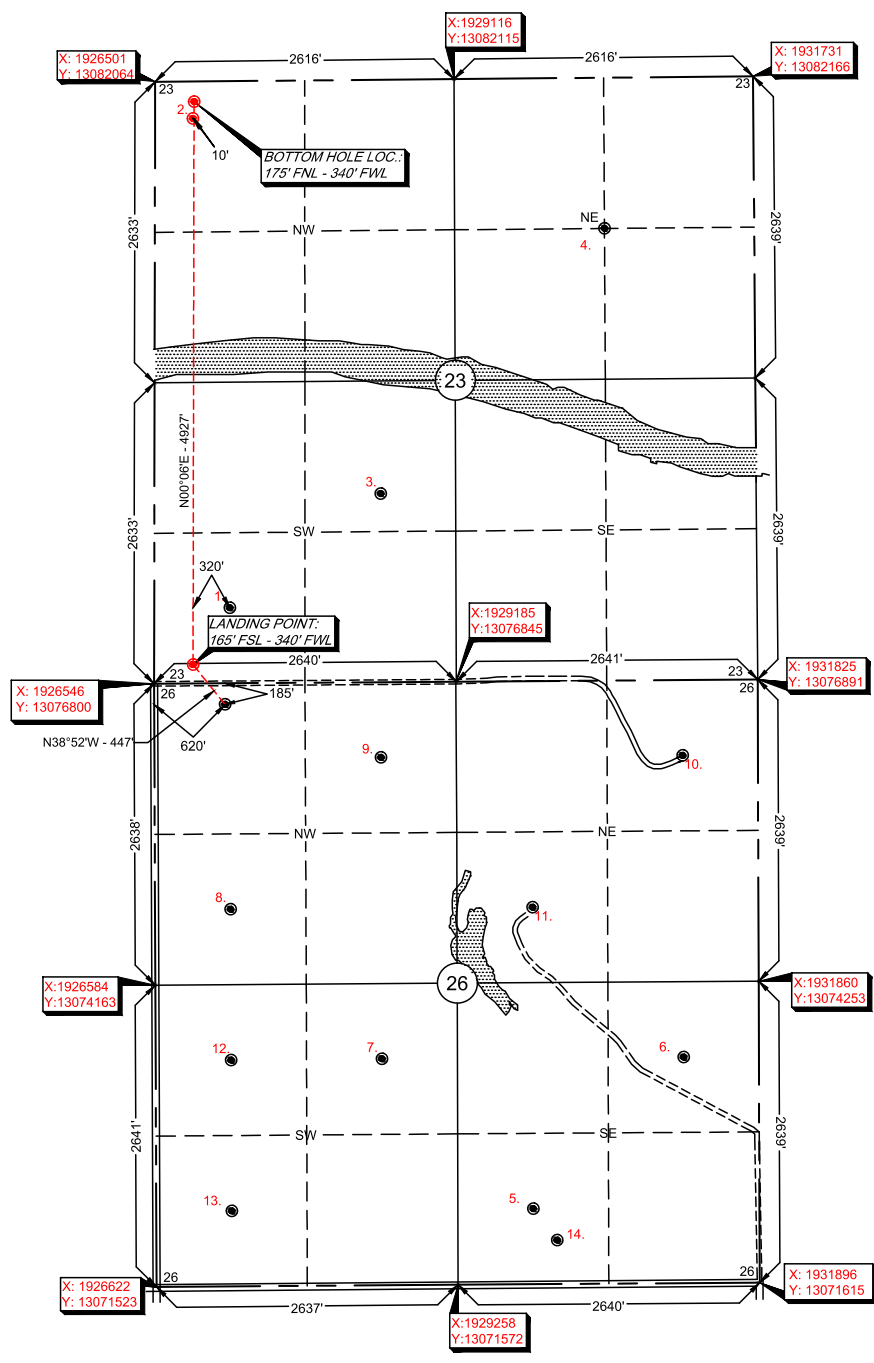


All bearings shown are grid bearings.



GPS DATUM  
NAD 83  
NAD 27  
UTM - ZONE 14

Surface Hole Loc.:
Lat: 36°00'51.44"
Lon: 98°01'49.59"
Lat: 36.01424970
Lon: -98.03010371
X:1927168
Y:13076626
Landing Point:
Lat: 36°00'54.88"
Lon: 98°01'53.00"
Lat: 36.01520571
Lon: -98.03105240
X:1926884
Y:13076971
Bottom Hole Loc.:
Lat: 36°01'43.60"
Lon: 98°01'52.92"
Lat: 36.02874026
Lon: -98.03102991
X:1926842
Y:13081896

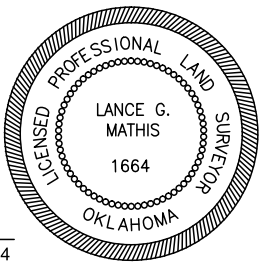


-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.

-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, 2018

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.



Invoice #7752  
Date Staked: 03/29/18 By: J.W.  
Date Drawn: 04/04/18 By: J.D.  
Rev. Lease Name/Add LP & BHL: 04/13/18 By: R.S.

*Lance G. Mathis*  
LANCE G. MATHIS 04/13/18  
OK LPLS 1664