

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

API NUMBER: 073 26389

Approval Date: 12/13/2018

Expiration Date: 06/13/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 18N Rge: 9W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 275 2383

Lease Name: OLD HUGH 18-09-11

Well No: 1H

Well will be 275 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

TERRY W. HOSKINS & SHARON ARLENE SIMPSON
748 SEATTLE SLEW COURT
EDMOND OK 73025

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	7896	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 678071

Location Exception Orders: 684882

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13567

Ground Elevation: 1135

Surface Casing: 180

Depth to base of Treatable Water-Bearing FM: 130

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: 8000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? N

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 BED AQUIFER

Pit Location Formation: CEDAR HILLS

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

PERMIT NO: 18-35822

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 11 Twp 18N Rge 9W County KINGFISHER

Spot Location of End Point: N2 N2 N2 N2

Feet From: NORTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 7779

Radius of Turn: 559

Direction: 359

Total Length: 4910

Measured Total Depth: 13567

True Vertical Depth: 8300

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/18/2018 - 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: OCCWEB.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 - 684882

12/13/2018 - G58 - (I.O.) 11-18N-9W
X678071 MSNLC
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 2340' FEL
CHISHOLM OIL AND GAS OPERATING, LLC
10/12/2018

SPACING - 678071

12/13/2018 - G58 - (640)(HOR) 11-18N-9W
EXT 668631 MSNLC, OTHERS
COMPL. INT. NLT 660' FB
(COEXIST SP. ORDER 54099/62417 MSSSD NW4 & S2; SP. ORDER 54099/62417/167564 MSSSD NE4)



Well Location Plat

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: OLD HUGH 18-09-11 1H

073-26389

Footage: 275' FNL - 2383' FEL Gr. Elevation: 1135'

SW/4-NW/4-NW/4-NE/4 Section: 14 Township: 18N Range: 9W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in a fairly flat, open pasture.

S.H.L. Sec. 14-18N-9W I.M.

B.H.L. Sec. 11-18N-9W I.M.



All bearings shown
are grid bearings.



1" = 1320'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°02'33.13"N

Lon: 98°07'45.88"W

Lat: 36.04249935

Lon: -98.12906845

X:1897817

Y:13086629

Landing Point:

Lat: 36°02'37.49"N

Lon: 98°07'49.00"W

Lat: 36.04370848

Lon: -98.12993615

X:1897556

Y:13087067

Bottom Hole Loc.:

Lat: 36°03'26.06"N

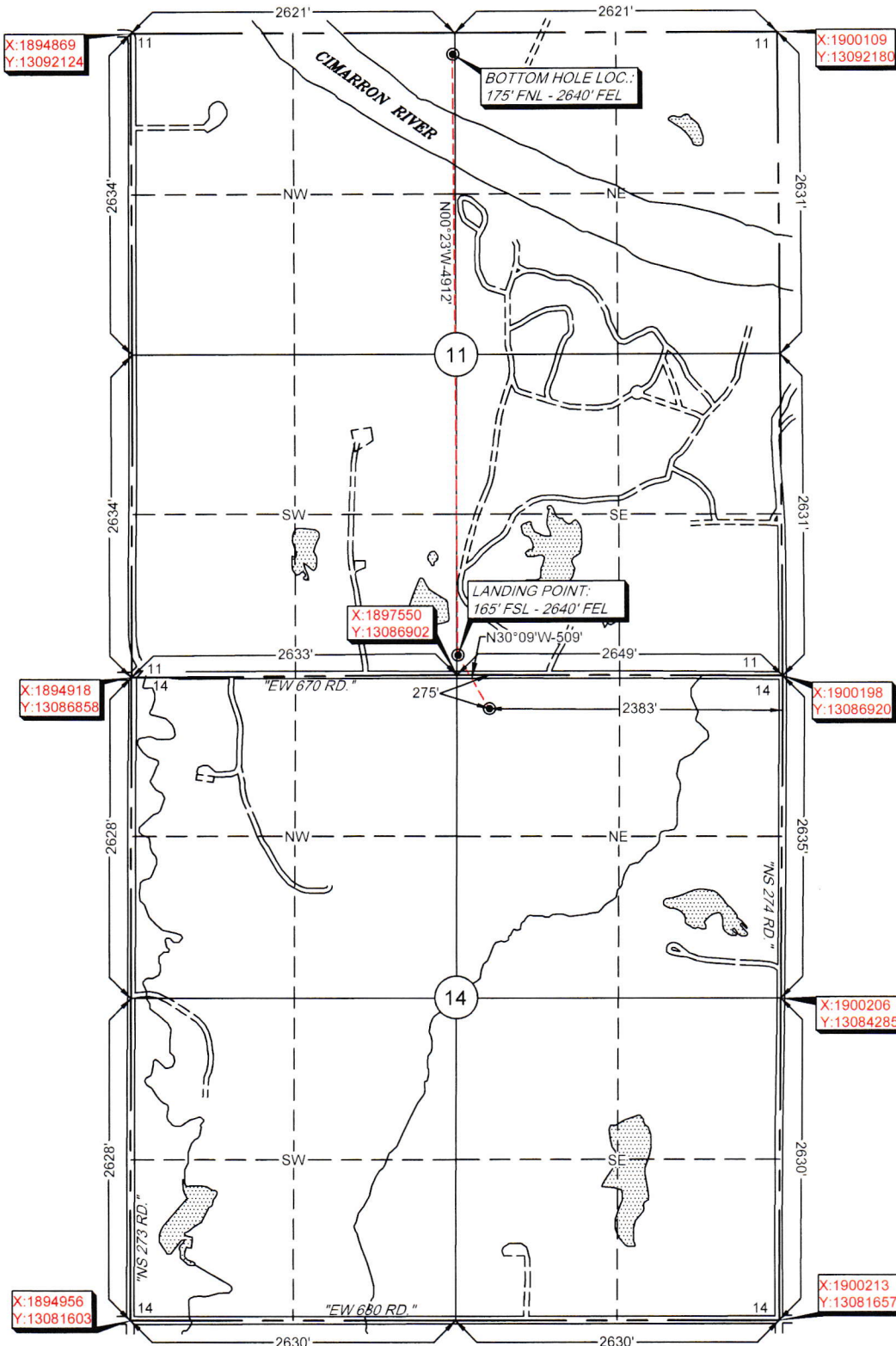
Lon: 98°07'49.48"W

Lat: 36.05720232

Lon: -98.13006956

X:1897473

Y:13091977



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

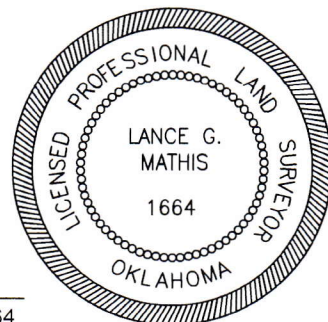
Certification:

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

07/27/18

OK LPLS 1664



Invoice #7345-A

Date Staked: 07/20/18

By: D.K.

Date Drawn: 07/24/18

By: K.B.