

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

API NUMBER: 073 26430

Approval Date: 02/07/2019

Expiration Date: 08/07/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 330 240

Lease Name: CATTLE DRIVE 18-09-23

Well No: 1MH

Well will be 240 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 A. SIMPSON  
748 SEATTLE SLEW COURT  
EDMOND OK 73025

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	8292	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 647791

Location Exception Orders: 674637

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13817

Ground Elevation: 1172

**Surface Casing: 210**

Depth to base of Treatable Water-Bearing FM: 160

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? 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 BED AQUIFER

Pit Location Formation: CEDAR HILLS

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

PERMIT NO: 19-36079

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 9W 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: 8029

Radius of Turn: 521

Direction: 180

Total Length: 4970

Measured Total Depth: 13817

True Vertical Depth: 8550

End Point Location from Lease,

Unit, or Property Line: 175

Notes:

Category

Description

HYDRAULIC FRACTURING

1/10/2019 - 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 - 674637

2/7/2019 - G58 - (I.O.) 23-18N-9W  
X647791 MSNLC  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL  
CHISHOLM OIL AND GAS OPERATING, LLC  
3/13/2018

SPACING - 647791

2/7/2019 - G58 - (640)(HOR) 23-18N-9W  
EXT OTHER  
EST MSNLC  
POE TO BHL NLT 660' FB  
(COEXIST SP. ORDER 77563 MSSSD)



# Well Location Plat

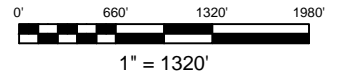
S.H.L. Sec. 14-18N-9W I.M.  
B.H.L. Sec. 23-18N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: CATTLE DRIVE 18-09-23 1H  
Footage: 330' FSL - 240' FEL Gr. Elevation: 1172'  
E/2-SE/4-SE/4-SE/4 Section: 14 Township: 18N Range: 9W I.M.  
County: Kingfisher State of Oklahoma  
Terrain at Loc.: Location sits on a hill.

073-26430



All bearings shown  
are grid bearings.



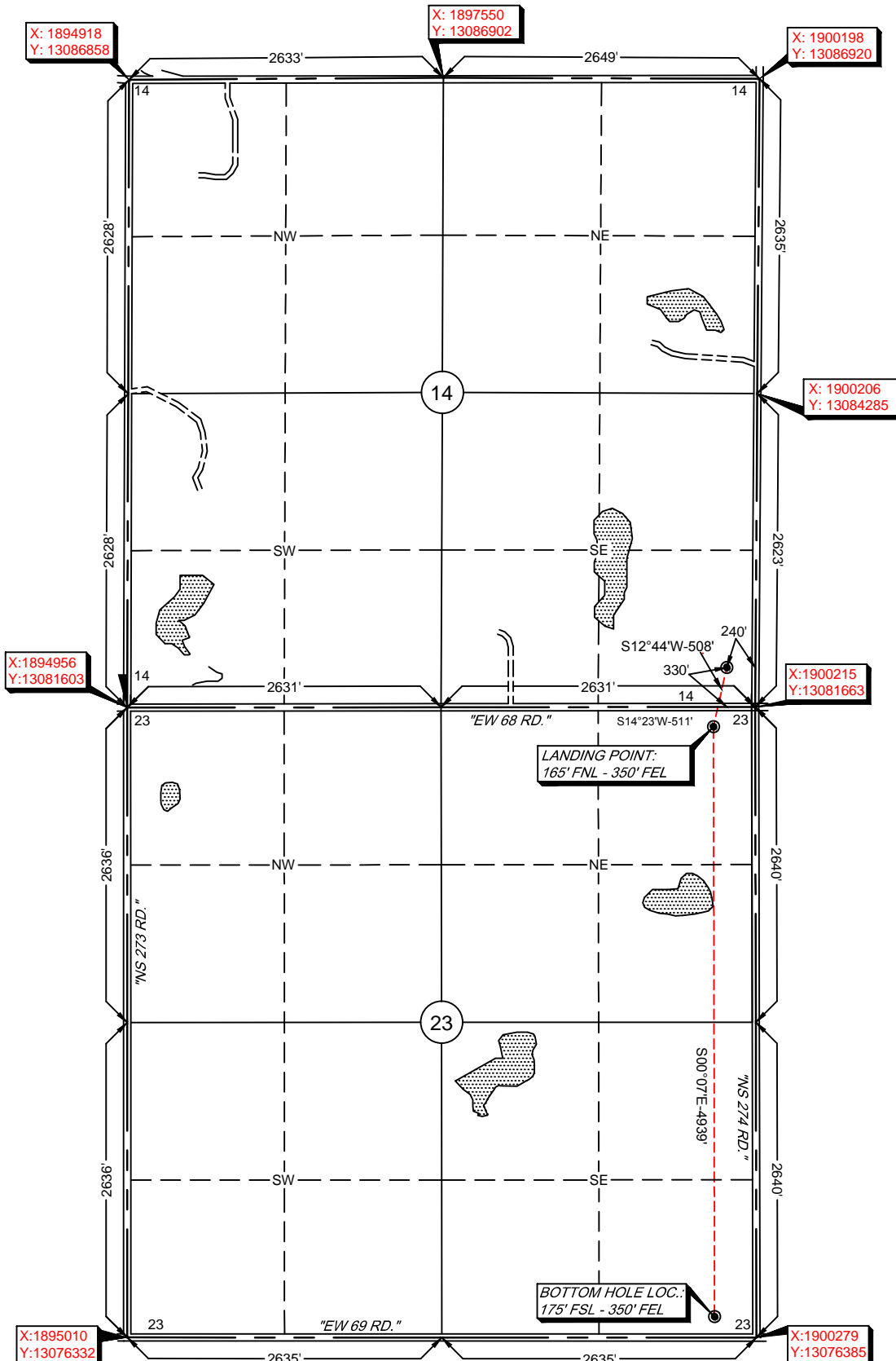
GPS DATUM  
NAD 83  
NAD 27  
UTM - ZONE 14

Surface Hole Loc.:  
Lat: 36°01'47.05"N  
Lon: 98°07'20.11"W  
Lat: 36.02969874  
Lon: -98.12191111  
X:1899974  
Y:13081990

Landing Point:  
Lat: 36°01'42.15"N  
Lon: 98°07'21.46"W  
Lat: 36.02833790  
Lon: -98.12228751  
X:1899867  
Y:13081494

Bottom Hole Loc.:  
Lat: 36°00'53.31"N  
Lon: 98°07'21.27"W  
Lat: 36.01476968  
Lon: -98.12223468  
X:1899927  
Y:13076556

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

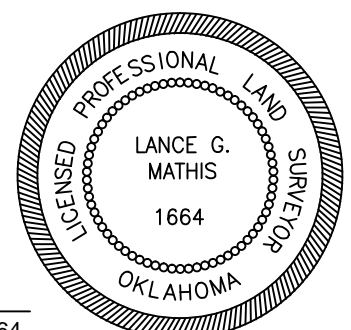
## Certification:

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

06/29/18

OK LPLS 1664



Invoice #7547-A  
Date Staked: 06/20/18 By: D.K.  
Date Drawn: 06/27/18 By: J.D.