

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

API NUMBER: 073 26000

Approval Date: 04/04/2018

Expiration Date: 10/04/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 19N Rge: 8W

County: KINGFISHER

SPOT LOCATION:  SW  SW  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 225 310

Lease Name: BOLIVAR 19-08-24

Well No: 1H

Well will be 225 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

VERNON D. & RUTH N. BRECKENRIDGE  
11165 STATE HIGHWAY 51  
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (EX CHESTER)	7370	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801716  
201801718

Special Orders:

Total Depth: 13157

Ground Elevation: 1176

**Surface Casing: 370**

Depth to base of Treatable Water-Bearing FM: 320

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 18-33729  
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 24 Twp 19N Rge 8W County KINGFISHER

Spot Location of End Point: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 7389

Radius of Turn: 521

Direction: 179

Total Length: 4950

Measured Total Depth: 13157

True Vertical Depth: 7910

End Point Location from Lease,  
Unit, or Property Line: 165

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

3/2/2018 - 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)

PENDING CD - 201801716

3/19/2018 - G56 - (640) 24-19N-8W  
EXT OTHERS  
EST MSNLC  
COMPL. INT. NLT 660' FB  
(COEXIST SP. ORDER 173609/586888/591991 MSSP) \*\*  
REC. 4/2/18 (JOHNSON)

\*\* WILL CORRECT TO INCLUDE COEXIST WITH SP. ORDER # 50051/104380 MSSSD

PENDING CD - 201801718

3/20/2018 - G56 - (I.O.) 24-19N-8W  
X201801716 MSNLC  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL  
NO OP. NAMED  
REC. 4/2/18 (JOHNSON)

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073 26000 BOLIVAR 19-08-24 1H



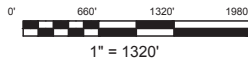
# Well Location Plat

S.H.L. Sec. 13-19N-8W I.M.  
B.H.L. Sec. 24-19N-8W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: BOLIVAR 19-08-24 1H  
Footage: 225' FSL - 310' FWL Gr. Elevation: 1176'  
Section: 13 Township: 19N Range: 8W I.M.  
County: Kingfisher State of Oklahoma  
Terrain at Loc.: Location fell in a wheat field, North, East and West of existing fence.



All bearings shown  
are grid bearings.

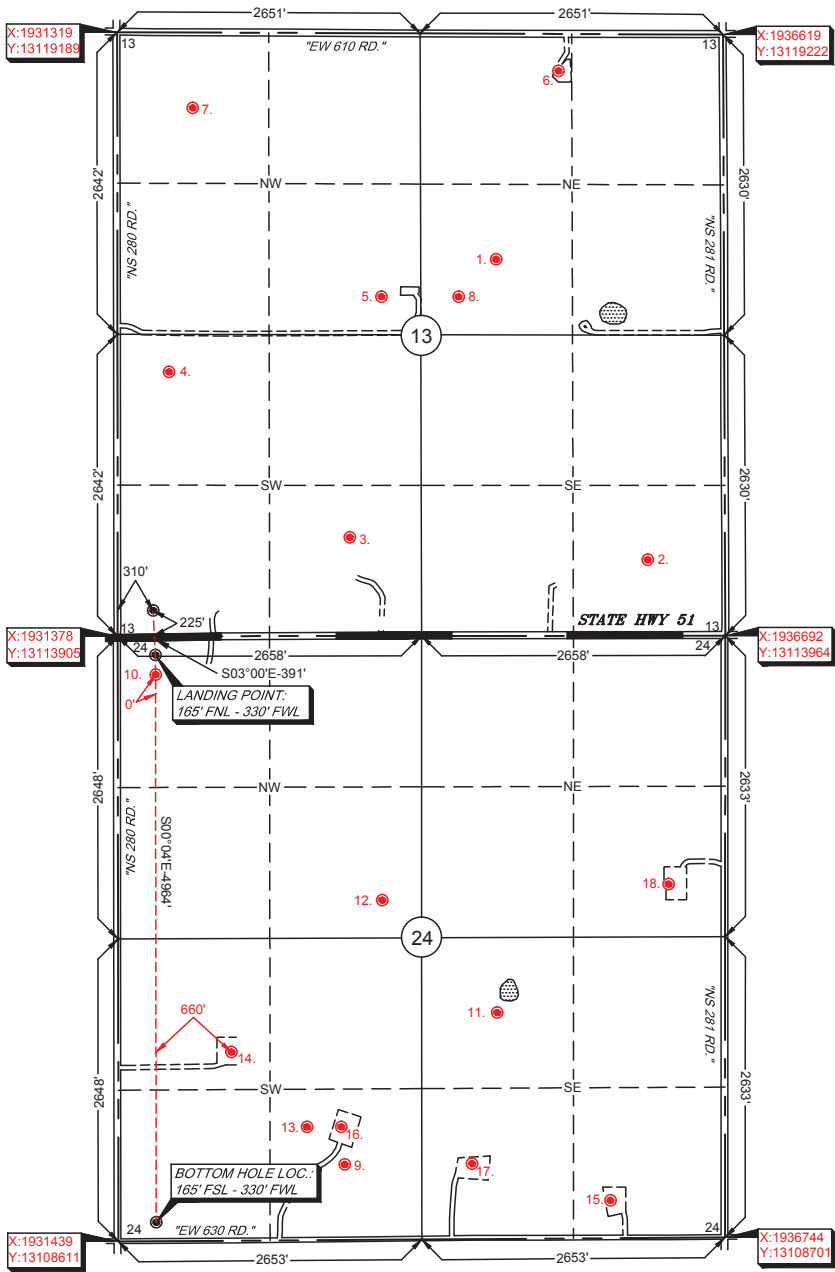


GPS DATUM  
NAD 83  
NAD 27  
UTM - ZONE 14

Surface Hole Loc.:  
Lat: 36°07'02.01"N  
Lon: 98°00'49.97"W  
Lat: 36.11718661  
Lon: -98.01354303  
X:1931685  
Y:13114134

Landing Point:  
Lat: 36°06'58.15"N  
Lon: 98°00'49.72"W  
Lat: 36.11611527  
Lon: -98.01347377  
X:1931709  
Y:13113744

Bottom Hole Loc.:  
Lat: 36°06'09.05"N  
Lon: 98°00'49.63"W  
Lat: 36.10247743  
Lon: -98.01344962  
X:1931767  
Y:13108781



-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 you have any questions or concerns regarding this survey.  
-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. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation assumed. All distances shown are assumed 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

Invoice #7174-C-B  
Date Staked: 12/19/17 By: J.W.  
Date Drawn: 12/21/17 By: C.K.

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  
1/02/18  
OK LPLS 1664

