

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

API NUMBER: 073 25840

Approval Date: 12/04/2017

Expiration Date: 06/04/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 17N Rge: 5W

County: KINGFISHER

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 150 2287

Lease Name: LEADMAN 17-05-22

Well No: 1MH

Well will be 150 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

KRISTI L. GANT REVOCABLE TRUST  
2755 RANCH ROAD  
ATHENS TX 75751

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6572	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 616688  
618253

Location Exception Orders: 669673

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11997

Ground Elevation: 1035

**Surface Casing: 260**

Depth to base of Treatable Water-Bearing FM: 210

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: 3500 Average: 1500

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: 17-33530  
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 22 Twp 17N Rge 5W County KINGFISHER

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 2288

Depth of Deviation: 6479

Radius of Turn: 521

Direction: 1

Total Length: 4940

Measured Total Depth: 11997

True Vertical Depth: 7000

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

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

11/27/2017 - 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 - 669673

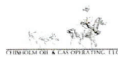
12/4/2017 - G60 - (I.O.) 22-17N-5W  
X616688/618253 MSSP  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL  
CHISHOLM OIL AND GAS OPERATING, LLC  
11/2/17

SPACING - 616688

12/4/2017 - G60 - (640)(HOR) 22-17N-5W  
EST MSSP, OTHERS  
(SUPERCEDE SP. ORDER 63013 MSSLM NE4, SE4; COEXIST WITH SP. ORDER 63013 MSSLM NW4 AND SP. ORDER 132688 SW4)  
POE TO BHL NLT 660' FB)

SPACING - 618253

12/4/2017 - G60 - NPT 616688 FOR SUPERCEDE SP. ORDER 63013 FOR THE E2



# Well Location Plat

S.H.L. Sec. 27-17N-5W I.M.  
B.H.L. Sec. 22-17N-5W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC  
Lease Name and No.: LEADMAN 17-05-22 1MH  
Footage: 150' FNL - 2287' FWL Gr. Elevation: 1035'  
Section: 27 Township: 17N Range: 5W I.M.  
County: Kingfisher State of Oklahoma  
Terrain at Loc.: Location fell on existing level pad site.

3507325840



All bearings shown  
are grid bearings.

0' 660' 1320' 1980'

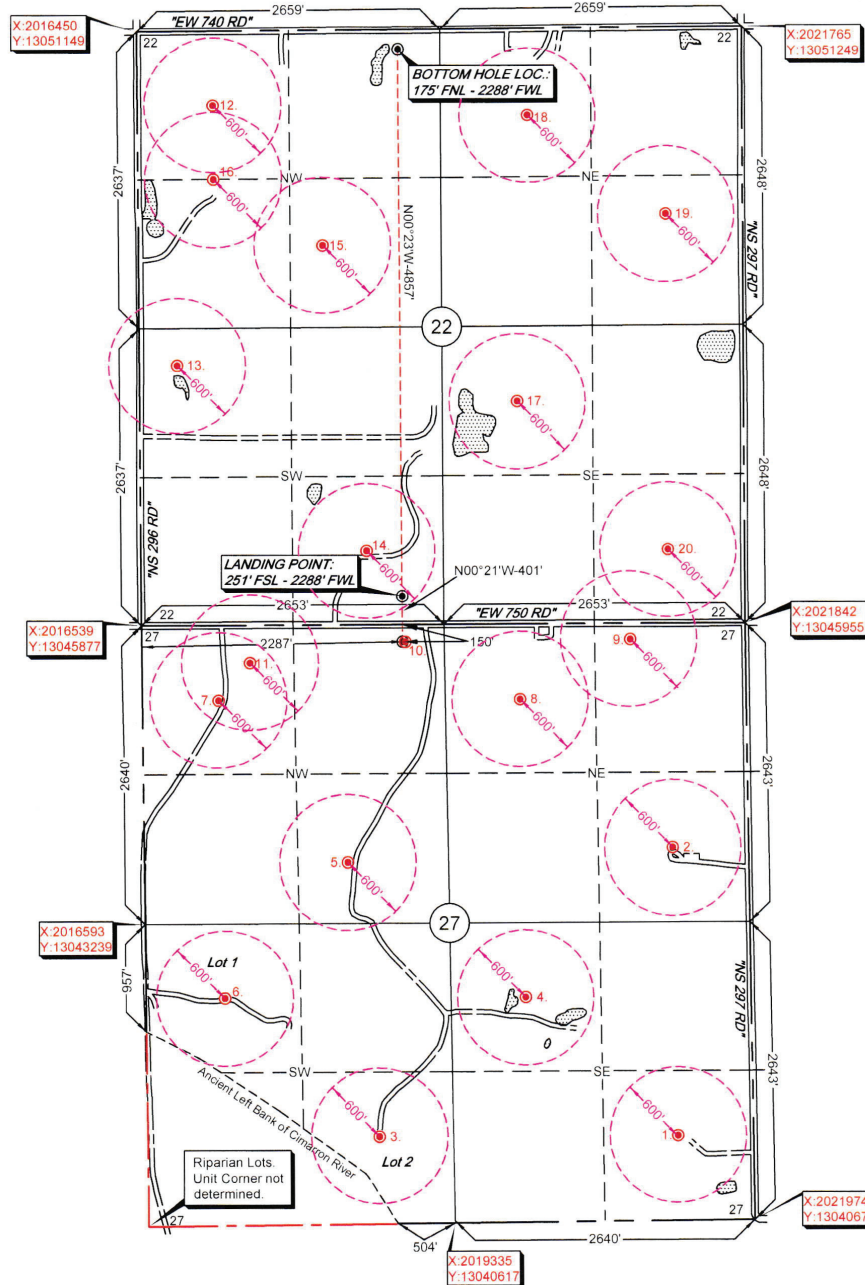
1"= 1320'

GPS DATUM  
NAD 83  
NAD 27  
UTM - ZONE 14

Surface Hole Loc.:  
Lat: 35°55'35.71"N  
Lon: 97°43'18.60"W  
Lat: 35.92654265  
Lon: -97.72150616  
X:2018828  
Y:13045761

Landing Point:  
Lat: 35°55'39.67"N  
Lon: 97°43'18.62"W  
Lat: 35.92764410  
Lon: -97.72151084  
X:2018822  
Y:13046162

Bottom Hole Loc.:  
Lat: 35°56'27.71"N  
Lon: 97°43'18.84"W  
Lat: 35.94098832  
Lon: -97.72157300  
X:2018740  
Y:13051018



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

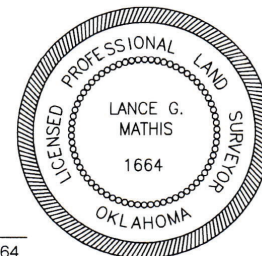
## Certification:

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.

*Lance G. Mathis*  
LANCE G. MATHIS

10/05/17

OK LPLS 1664



Invoice #7355

Date Staked: 09/11/17 By: C.K.  
Date Drawn: 10/03/17 By: C.K.