

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

API NUMBER: 073 26149

Approval Date: 07/16/2018
Expiration Date: 01/16/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 18N Rge: 9W County: KINGFISHER
SPOT LOCATION: NW NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 225 2000

Lease Name: LONGHORN 18-09-24 Well No: 1MH 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

WILLIAM RAY HAWKINS, TRUSTEE
HAWKINS FAMILY TRUST
10359 N. 27040 RD.
LOYAL OK 73756

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (EX CHESTER)	7792	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 653223

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804712

Special Orders:

Total Depth: 13381

Ground Elevation: 1136

Surface Casing: 230

Depth to base of Treatable Water-Bearing FM: 180

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: 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: 18-34897
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 18N Rge 9W County KINGFISHER

Spot Location of End Point: SW SW SE SW

Feet From: SOUTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 1485

Depth of Deviation: 7576

Radius of Turn: 800

Direction: 181

Total Length: 4548

Measured Total Depth: 13381

True Vertical Depth: 8550

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

Notes:

Category

Description

HYDRAULIC FRACTURING

7/9/2018 - 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; 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

PENDING CD - 201804712

7/13/2018 - G57 - (I.O.) 24-18N-9W
X653223 MSNLC
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 660' FWL
CHISHOLM OIL & GAS OPERATING, LLC.
REC 7-2-2018 (DUNN)

SPACING - 653223

7/13/2018 - G57 - (640)(HOR) 24-18N-9W
EXT 649746 MSNLC
EXT OTHER
POE TO BHL NLT 660' FB
(COEXIST WITH SP. ORDER #77563 MSSSD)

Well Location Plat

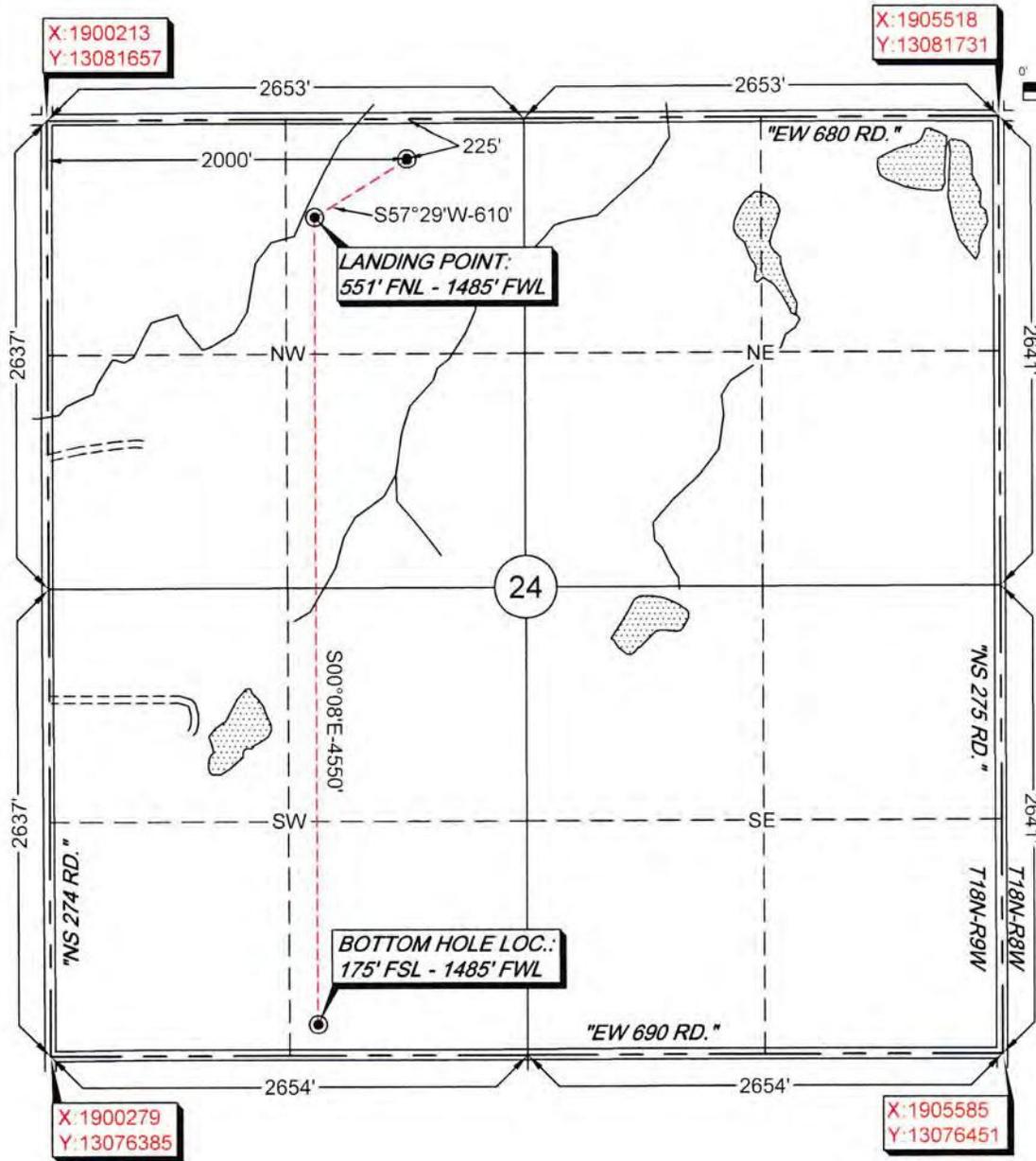
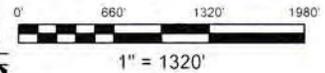
Sec. 24-18N-9W I.M

Operator: CHISHOLM OIL & GAS OPERATING, LLC
 Lease Name and No.: LONGHORN 18-09-24 1MH
 Footage: 225' FNL - 2000' FWL Gr. Elevation: 1136'
 N/2-N/2-NE/4-NW/4 Section: 24 Township: 18N Range: 9W I.M.
 County: Kingfisher State of Oklahoma
 Terrain at Loc.: Location fell on hilly terrain.

API: 073 26149



All bearings shown are grid bearings.



GPS DATUM
 NAD 83
 NAD 27
 UTM - ZONE 14

Surface Hole Loc.:
 Lat: 36°01'41.61"N
 Lon: 98°06'52.87"W
 Lat: 36.02818575
 Lon: -98.11434507
 X:1902215
 Y:13081460

Landing Point:
 Lat: 36°01'38.36"N
 Lon: 98°06'59.13"W
 Lat: 36.02728319
 Lon: -98.11608291
 X:1901705
 Y:13081127

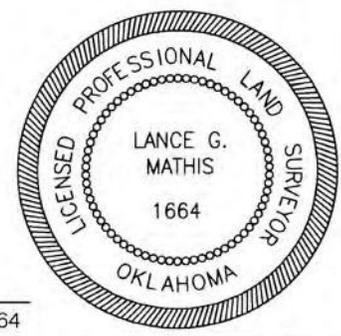
Bottom Hole Loc.:
 Lat: 36°00'53.36"N
 Lon: 98°06'58.94"W
 Lat: 36.01478487
 Lon: -98.11603078
 X:1901761
 Y:13076579

-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
 06/25/18
 OK LPLS 1664



Invoice #7548-C
 Date Staked: 06/18/18 By: D.K.
 Date Drawn: 06/22/18 By: J.K.