

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

API NUMBER: 073 25881

Approval Date: 01/03/2018

Expiration Date: 07/03/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 18N Rge: 6W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 192 2005

Lease Name: DEETS 18-06-13

Well No: 1MH

Well will be 192 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

J.L. & M.R. STATES, F/K/A M. GOETZINGER
23169 E. 730 ROAD
DOVER OK 73734

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (EX CHESTER)	6780	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 627002

Location Exception Orders: 669587

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12181

Ground Elevation: 1177

Surface Casing: 290

Depth to base of Treatable Water-Bearing FM: 240

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: 17-33653

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 13 Twp 18N Rge 6W County KINGFISHER

Spot Location of End Point: N2 N2 N2 NE

Feet From: NORTH 1/4 Section Line: 175

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 6779

Radius of Turn: 521

Direction: 4

Total Length: 4584

Measured Total Depth: 12181

True Vertical Depth: 7300

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/21/2017 - 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; 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 - 669587

1/3/2018 - G60 - (I.O.) 13-18N-6W
X627002 MSNLC
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL
CHISHOLM OIL AND GAS OPERATING, LLC.
10/31/17

SPACING - 627002

1/3/2018 - G60 - (640)(HOR) 13-18N-6W
EST MSNLC, OTHERS
COMPL. INT. NCT 660' FB
(COEXIST WITH SP. ORDER 51904/62761 MSSLM)

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.

073 25881 DEETS 18-06-13 1MH

Well Location Plat

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: DEETS 18-06-13 1MH

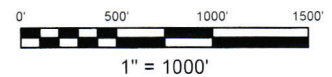
3507325881

Footage: 192' FSL - 2005' FEL Pad Elevation: 1177'

Section: 13 Township: 18N Range: 6W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell on existing level pad site.

All bearings shown
are grid bearings.

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°01'46.23"N

Lon: 97°47'23.13"W

Lat: 36.02946774

Lon: -97.78942698

X:1998259

Y:13082960

Landing Point:

Lat: 36°01'49.73"N

Lon: 97°47'14.74"W

Lat: 36.03044059

Lon: -97.78709604

X:1998944

Y:13083322

Bottom Hole Loc.:

Lat: 36°02'34.73"N

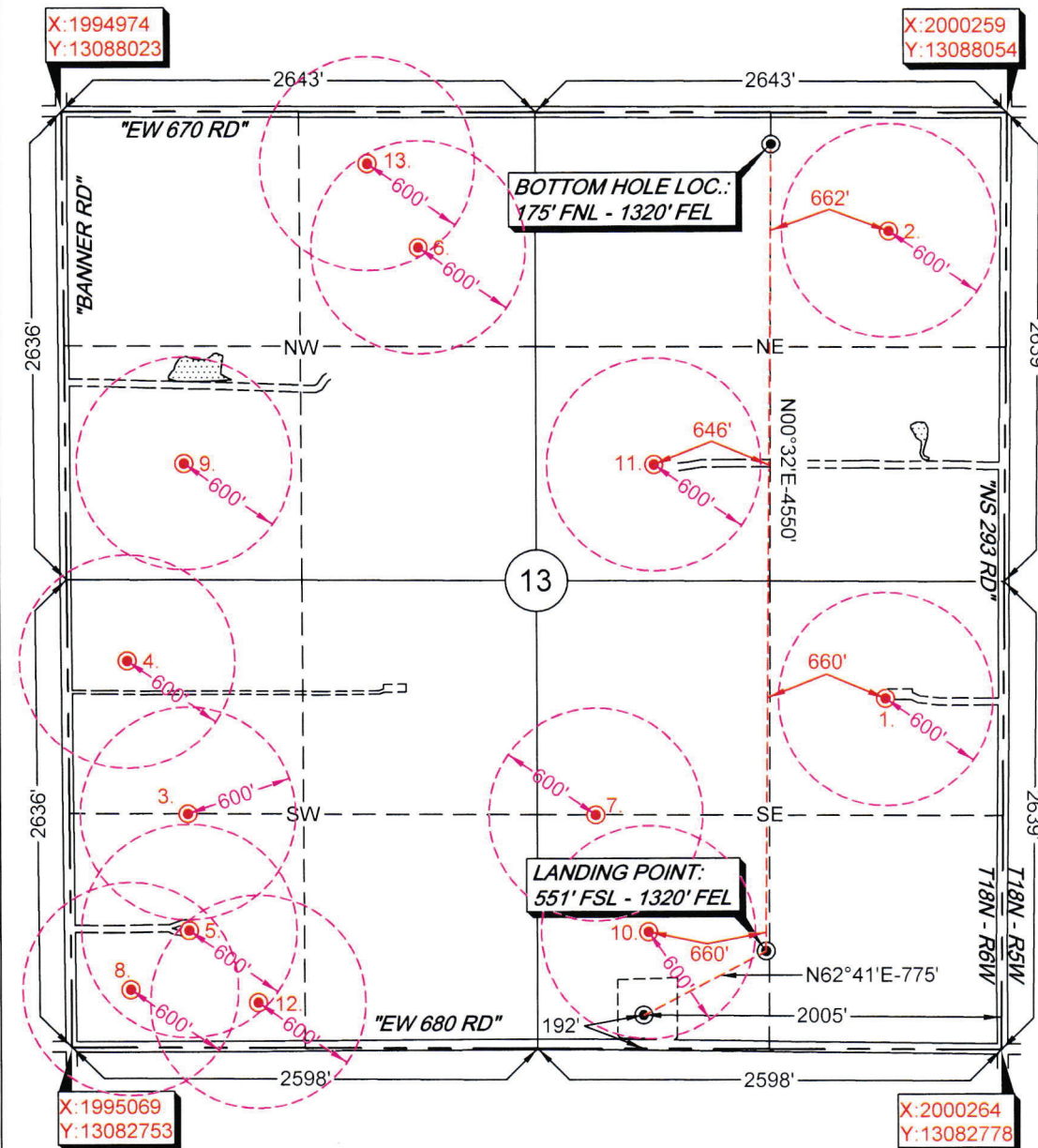
Lon: 97°47'14.09"W

Lat: 36.04293952

Lon: -97.78691739

X:1998940

Y:13087872



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

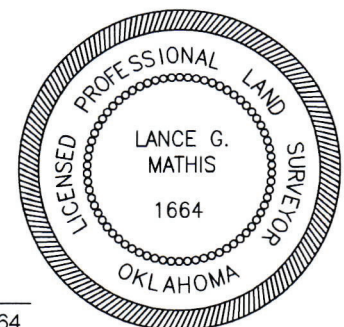
Certification:

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

10/23/17

OK LPLS 1664



Invoice #7354-A

Date Staked: 10/16/17 By: C.K.

Date Drawn: 10/19/17 By: C.K.