

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

API NUMBER: 073 25820

Approval Date: 11/15/2017

Expiration Date: 05/15/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 17N Rge: 5W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 350 1320

Lease Name: ELMIRA 18-05-36

Well No: 1MH

Well will be 350 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

JACOB BURTON AND LENZY KREHBIEL-BURTON
5035 EAST 7 TH STREET
TULSA OK 74112

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (EX CHESTER)	7000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 627126

Location Exception Orders: 669586

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11600

Ground Elevation: 1147

Surface Casing: 320

Depth to base of Treatable Water-Bearing FM: 270

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: 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: 17-33382

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 36 Twp 18N Rge 5W County KINGFISHER

Spot Location of End Point: N2 N2 N2 NW

Feet From: NORTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 6479

Radius of Turn: 332

Direction: 360

Total Length: 4600

Measured Total Depth: 11600

True Vertical Depth: 7000

End Point Location from Lease,

Unit, or Property Line: 175

Notes:

Category

Description

HYDRAULIC FRACTURING

11/1/2017 - 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: OCCWEB.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 - 669586

11/15/2017 - G60 - (I.O.) 36-18N-5W
X62716 MSNLC
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL
CHISOLM OIL AND GAS OPERATING, LLC.
10/31/17

SPACING - 627126

11/15/2017 - G60 - (640) 36-18N-5W
EST MSNLC, OTHERS
COMPL. INT. NCT 660' FB
(COEXIST WITH PRODUCING NON-HORIZONTAL DRILLING AND SPACING UNITS AND NON DEVELOPED NON-HORIZONTAL DRILLING AND SPACING UNITS)

This permit does not address the right of entry or settlement of surface damages.

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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 25820 ELMIRA 18-05-36 1MH



Well Location Plat

S.H.L. Sec. 1-17N-5W I.M.
B.H.L. Sec. 36-18N-5W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC 3507325820
Lease Name and No.: ELMIRA 18-05-36 1MH
Footage: 350' FNL - 1320' FWL Gr. Elevation: 1147'
Section: 1 Township: 17N Range: 5W I.M.
County: Kingfisher State of Oklahoma
Terrain at Loc.: Location fell in open, flat pasture.



All bearings shown
are grid bearings.

0' 660' 1320' 1980'

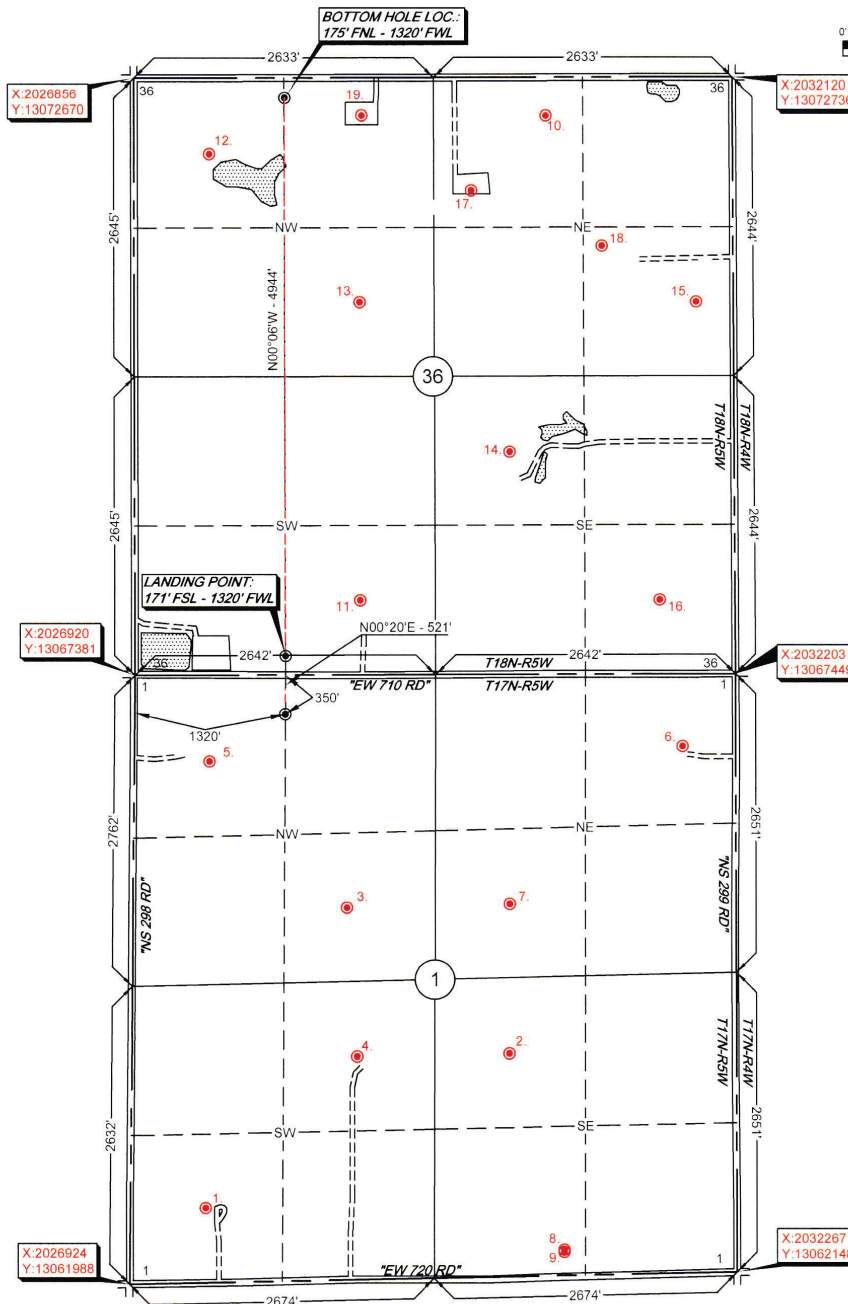
1"= 1320'

GPS DATUM
NAD 83
NAD 27
UTM - ZONE 14

Surface Hole Loc.:
Lat: 35°59'05.02"N
Lon: 97°41'20.68"W
Lat: 35.98468490
Lon: -97.68875026
X:2028240
Y:13067048

Landing Point:
Lat: 35°59'10.17"N
Lon: 97°41'20.62"W
Lat: 35.98611613
Lon: -97.68873443
X:2028237
Y:13067569

Bottom Hole Loc.:
Lat: 35°59'59.06"N
Lon: 97°41'20.54"W
Lat: 35.99969712
Lon: -97.68871142
X:2028178
Y:13072511



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

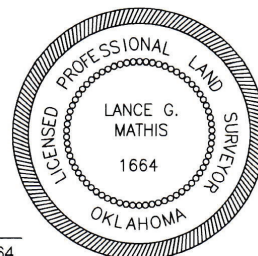
Certification:

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 #7378-A

Date Staked: 10/11/17 By: C.K.
Date Drawn: 10/17/17 By: R.S.