

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

API NUMBER: 073 25824

Approval Date: 11/21/2017

Expiration Date: 05/21/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 18N Rge: 5W

County: KINGFISHER

SPOT LOCATION: S2 N2 N2 NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 350 1320

Lease Name: W.F. CALL 18-05-17

Well No: 1H

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

D. CROSSWHITE & B.F. CROSSWHITE,
ROUTE 1, BOX 92
DOVER OK 73734

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

| Name | Depth | Name | Depth |
|------------------------------|-------|------|-------|
| 1 MISSISSIPPIAN (EX CHESTER) | 6592 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: 657215

Location Exception Orders: 669639

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12100

Ground Elevation: 1140

Surface Casing: 240

Depth to base of Treatable Water-Bearing FM: 190

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: 17-33260

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 17 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: 6579

Radius of Turn: 398

Direction: 360

Total Length: 4895

Measured Total Depth: 12100

True Vertical Depth: 7100

End Point Location from Lease,

Unit, or Property Line: 175

Notes:

Category

Description

HYDRAULIC FRACTURING

10/9/2017 - 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 - 669639

11/21/2017 - G60 - (I.O.) 17-18N-5W
X657215 MSNLC
COMPL. INT. NCT 165" FSL, NCT 165' FNL, NCT 330' FWL
CHISOLM OIL AND GAS OPERATING, LLC.
11/1/17

SPACING - 657215

11/21/2017 - G60 - (640)(HOR) 17-18N-5W
EXT 648200/650170 MSNLC, OTHER
EST OTHER
COMPL. INT. NLT 660' FB
(COEXIST WITH SP. ORDER 44960/62761 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 25824 W.F. CALL 18-05-17 1H



Well Location Plat

S.H.L. Sec. 20-18N-5W I.M.

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

Operator : CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No. : W.F. CALL 18-05-17 1H

3507325824

Footage : 350' FNL - 1320' FWL GR. ELEVATION : 1140'

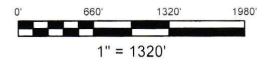
Section : 20 Township : 18N Range : 5W I.M.

County : Kingfisher State of Oklahoma

Terrain at Loc. : Location fell in a flat, open pasture with no trees.



All bearings shown
are grid bearings.



GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°01'41.20"N

Lon: 97°45'39.02"W

Lat: 36.02807164

Lon: -97.76050856

X:2006814

Y:13082559

Landing Point:

Lat: 36°01'46.39"N

Lon: 97°45'39.11"W

Lat: 36.02951366

Lon: -97.76053497

X: 2006800

Y: 13083084

Bottom Hole Loc.:

Lat: 36°02'35.02"N

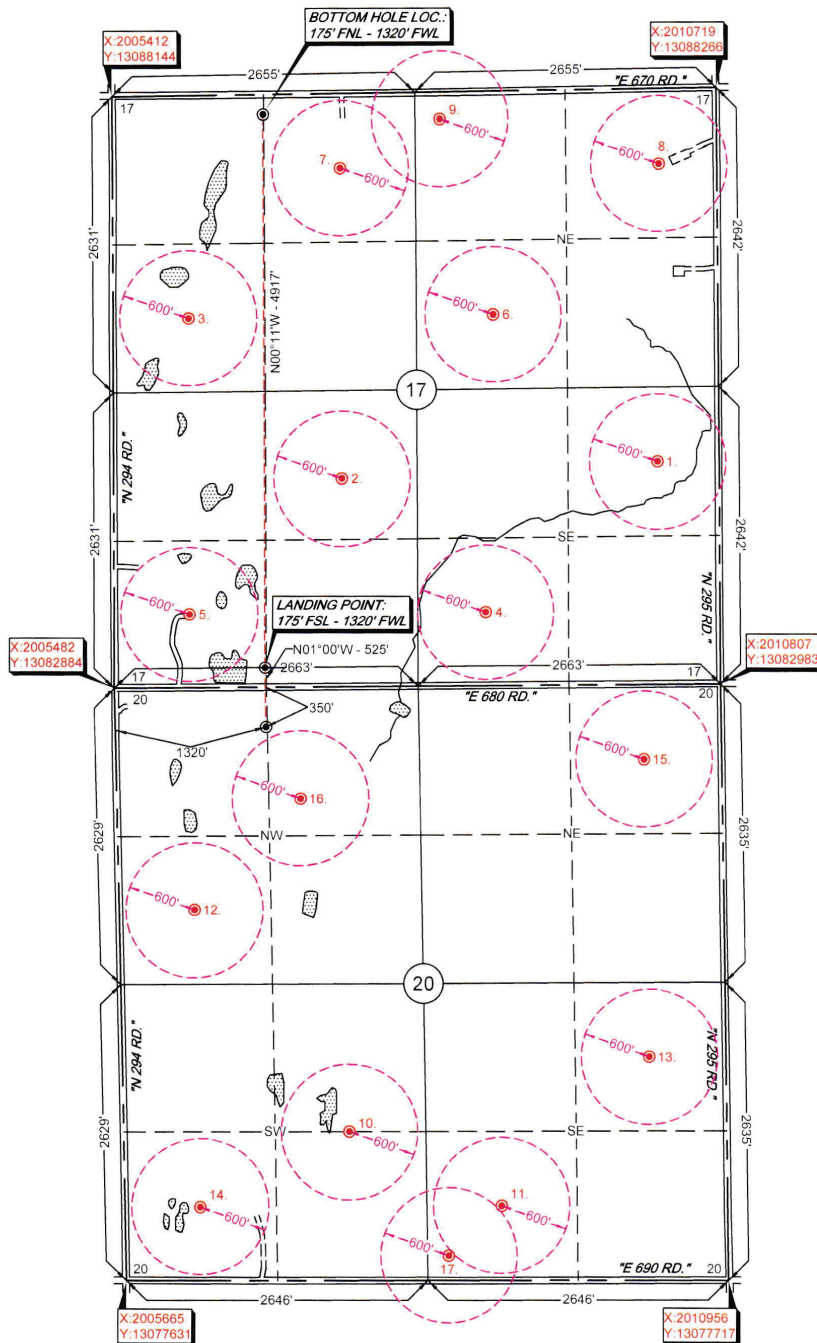
Lon: 97°45'39.15"W

Lat: 36.042302211

Lon: -97.76054561

X:2006734

Y:13087800



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

Invoice #7290

Date Staked : 08/09/17 By : R.H.

Date Drawn : 08/11/17 By : C.K.

Rev. LP : 10/02/17 By : J.H.

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

10/02/17

OK LPLS 1664

