

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

API NUMBER: 073 26588

Approval Date: 06/24/2019

Expiration Date: 12/24/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 19N Rge: 9W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 420 235

Lease Name: AHUMADO 19-09-03

Well No: 1MH

Well will be 235 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

BRENT HAJEK
BOX 106
AMES OK 73710

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	7610	6
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 637151

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201902848

Special Orders:

Total Depth: 13287

Ground Elevation: 1157

Surface Casing: 340

Depth to base of Treatable Water-Bearing FM: 290

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: 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36501

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 03 Twp 19N Rge 9W County KINGFISHER

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 155

Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 6872

Radius of Turn: 521

Direction: 359

Total Length: 5597

Measured Total Depth: 13287

True Vertical Depth: 8020

End Point Location from Lease,
Unit, or Property Line: 155

Notes:

Category

Description

HYDRAULIC FRACTURING

6/14/2019 - 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 - 201902848

6/24/2019 - G56 - (I.O.) 3-19N-9W
X637151 MSSP
COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
NO OP NAMED
REC 6/3/2019 (MOORE)

SPACING - 637151

6/24/2019 - G56 - (640)(HOR) 3-19N-9W
EXT 612674 MSSP, OTHERS
COMPL INT NLT 660' FB
(COEXIST WITH SP # 99023/100040 MSSSD, # 100520 MRMC)

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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.

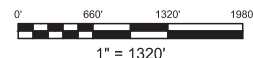
073 26588 AHUMADO 19-09-03 1MH

S.H.L. Sec. 10-19N-9W I.M.
B.H.L. Sec. 3-19N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC
Lease Name and No.: AHUMADO 19-09-03 1MH
Footage: 420' FNL - 235' FEL Gr. Elevation: 1157'
SE/4-NE/4-NE/4-NE/4 Section: 10 Township: 19N Range: 9W I.M.
County: Kingfisher State of Oklahoma
Terrain at Loc.: Location fell in open pasture, low and swampy at SW corner of pad.



All bearings shown
are grid bearings.



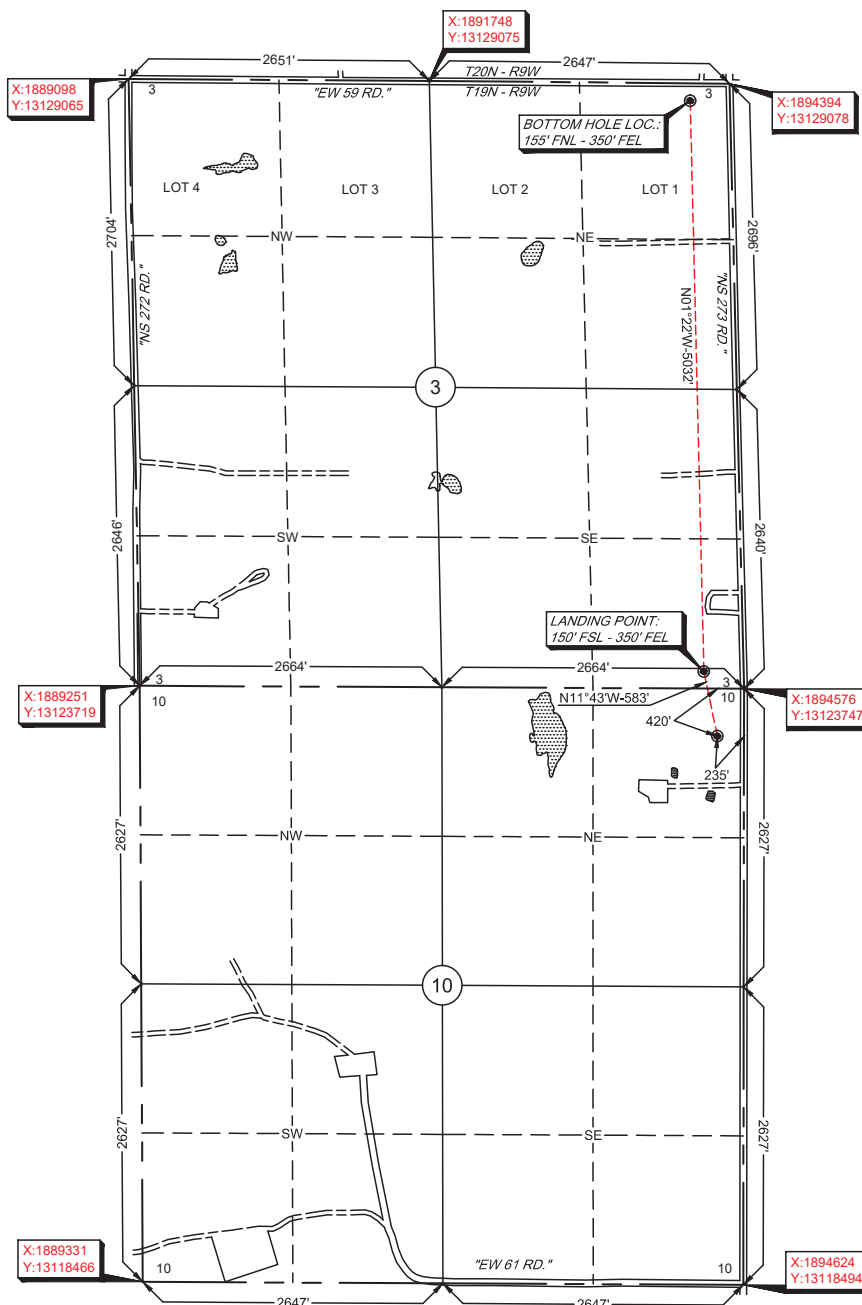
GPS DATUM
NAD 83
NAD 27
UTM - ZONE 14

Surface Hole Loc.:
Lat: 36°08'36.44"N
Lon: 98°08'24.20"W
Lat: 36.14341907
Lon: -98.13971390
X: 1894345
Y: 13123326

Landing Point:
Lat: 36°08'42.08"N
Lon: 98°08'25.66"W
Lat: 36.14498602
Lon: -98.14011749
X: 1894221
Y: 13123895

Bottom Hole Loc.:
Lat: 36°09'31.83"N
Lon: 98°08'27.22"W
Lat: 36.15880473
Lon: -98.14055035
X: 1894049
Y: 13128923

^a-Please note that this location was stated on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkansas Surveying and Mapping promptly if any inconsistency, a determination, GPS data is observed from RTR - GPS, -NOTE X and / data still station for Section corners may NOT have been established by a Licensed Professional Land Surveyor. The distance between Section corners may be assumed from German Survey Plat or other evidence. Section distances may be assumed from German Survey Plat or other evidence. A proportional 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

Invoice #8324-D
Date Staked: 06/14/19 By: S.O.
Date Drawn: 06/17/19 By: E.W.

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.

 06/19/19
LANCE G. MATHIS OK LPLS 1664

