

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

API NUMBER: 073 26003

Approval Date: 04/10/2018

Expiration Date: 10/10/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 17N Rge: 7W

County: KINGFISHER

SPOT LOCATION: SW NW NE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 400 1405

Lease Name: STUTEVILLE 23-17-7

Well No: 4H

Well will be 400 feet from nearest unit or lease boundary.

Operator Name: CHESAPEAKE OPERATING LLC

Telephone: 4059353425; 4059358

OTC/OCC Number: 17441 0

CHESAPEAKE OPERATING LLC
PO BOX 18496
OKLAHOMA CITY, OK 73154-0496

JJS, L.L.C.
1009 PARK PLAZA
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 OSWEGO	6660	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 667564

Location Exception Orders: 672933

Increased Density Orders: 670552

672934

Pending CD Numbers:

Special Orders:

Total Depth: 12500

Ground Elevation: 1083

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 220

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 25000 Average: 8000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-34134

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 23 Twp 17N Rge 7W County KINGFISHER

Spot Location of End Point: E2 NW NW NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 6470

Radius of Turn: 500

Direction: 350

Total Length: 5290

Measured Total Depth: 12500

True Vertical Depth: 6831

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	4/10/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
EXCEPTION TO RULE – 672934	4/10/2018 - G58 - (I.O.) 23-17N-7W X165:10-3-28(C)(2)(B) OSWG (STUTEVILLE 23-17-7 4H) NO CLOSER THAN 200 FEET FROM THE JAMES PERDUE 'A' 2 WELL 1/31/2018
HYDRAULIC FRACTURING	4/10/2018 - 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
INCREASED DENSITY - 670552	4/10/2018 - G58 - 23-17N-7W X667564 OSWG 3 WELLS CHESAPEAKE OPERATING, LLC. 11/29/17
LOCATION EXCEPTION - 672933	4/10/2018 - G58 - (I.O.) 23-17N-7W X667564 BGLM, OSWG COMPL. INT. NCT 330' FNL, NCT 330' FSL, NCT 330' FWL CHESAPEAKE OPERATING, LLC 1/31/18
SPACING - 667564	4/10/2018 - G58 - (640)(HOR) 23-17N-7W EXT 644145 OSWG, OTHERS COMPL. INT. NCT 660' FB (COEXIST WITH SP. ORDER 40411/42259 OSWG)

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.

CHESAPEAKE ENERGY

OPERATOR: CHESAPEAKE OPERATING, LLC
 LEASE NAME: STUTEVILLE 23-17-7
 WELL NO. 4H
 STAKED DATE: 2/6/18
 GROUND ELEVATION: 1082.87 GR. AT STAKE
 SURFACE HOLE FOOTAGE: 400' FNL - 1405' FWL
 SECTION: 26 TOWNSHIP: T17N RANGE: R7W
 KINGFISHER COUNTY, STATE: OK

BASE OF BEARING:
 GRID NORTH (NAD 83)
 OKLAHOMA - NORTH ZONE

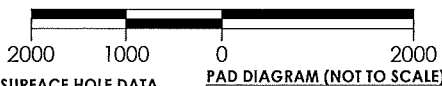


073-26003

BOTTOM HOLE: 23-T17N-R7W.J.M.
 BOTTOM HOLE FOOTAGE: 330' FNL - 400' FWL
 LANDING POINT FOOTAGE: 500' FSL - 400' FWL
 ACCESSIBILITY TO LOCATION: FROM NORTH LINE
 TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE NORTH EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
 FROM THE TOWN OF KINGFISHER HEAD NORTH ON US-81 ±4.7MI TO WHERE IT INTERSECTS N2850RD, HEAD SOUTH ON N2850RD ±160FT TO E75RD, HEAD EAST ±0.3MI, PAD SITE IS SOUTH OF ROAD.

GRAPHIC SCALE IN FEET



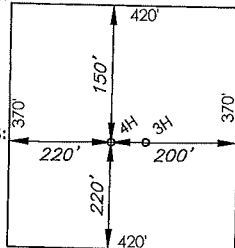
SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27
 X: 2023632.3
 Y: 337237.7
 GPS DATUM: NAD27
 LAT: 35.92643220
 LONG: -97.92018274

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83
 X: 1992033.3
 Y: 337261.6
 GPS DATUM: NAD83
 LAT: 35.92647370
 LONG: -97.92051516



BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27
 X: 2022539.1
 Y: 342622.5
 GPS DATUM: NAD27
 LAT: 35.94122753
 LONG: -97.92386080

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83
 X: 1990940.0
 Y: 342646.4
 GPS DATUM: NAD83
 LAT: 35.94126863
 LONG: -97.92419361

LANDING POINT DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27
 X: 2022612.7
 Y: 338146.1
 GPS DATUM: NAD27
 LAT: 35.92892986
 LONG: -97.92362388

STATE PLANE COORDINATES:

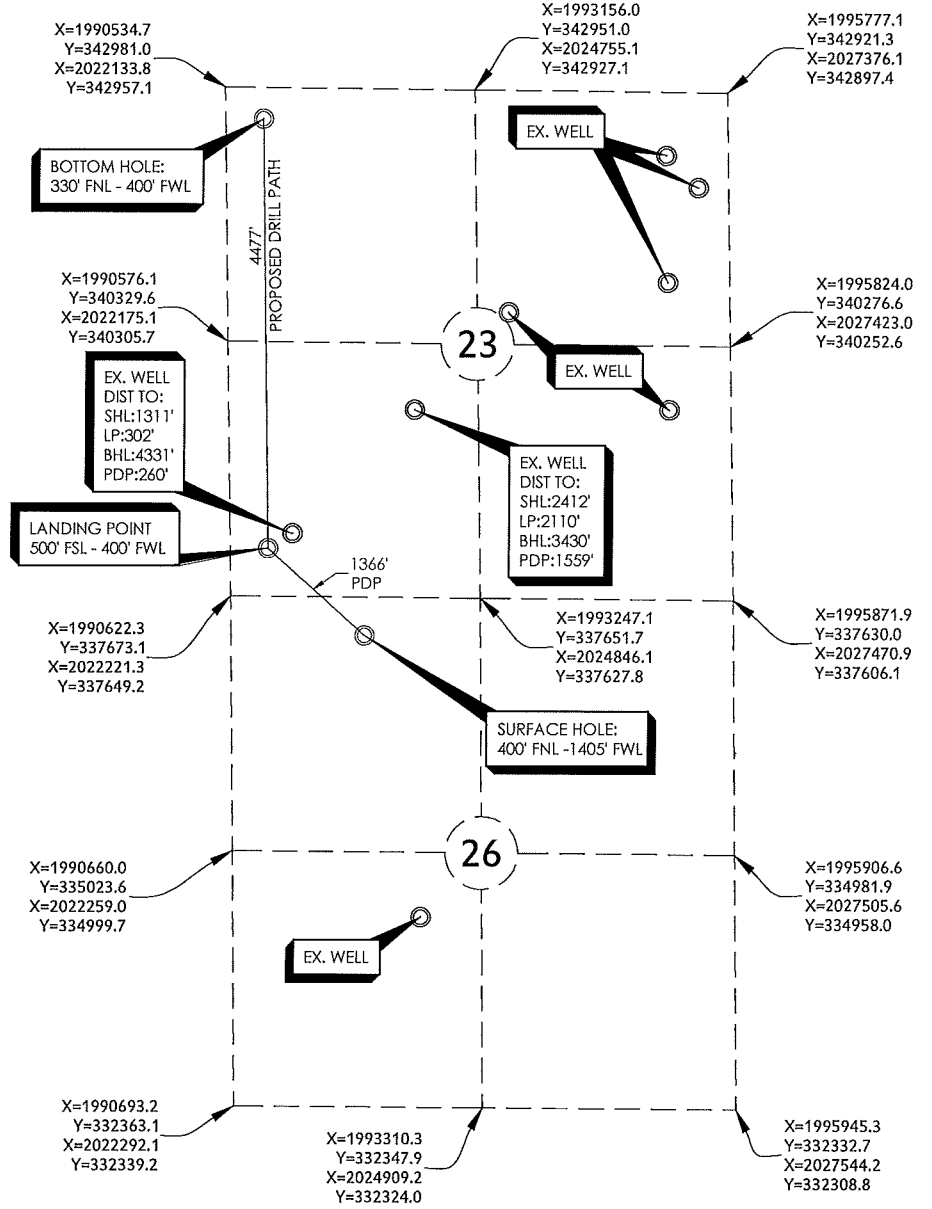
ZONE: OK-NORTH NAD83
 X: 1991013.7
 Y: 338170.0
 GPS DATUM: NAD83
 LAT: 35.92897127
 LONG: -97.92395644

PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL 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. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED.

CERTIFICATION:
 THIS IS TO CERTIFY THAT THIS WELL LOCATION EXHIBIT WAS COMPILED AND PREPARED UNDER MY SUPERVISION.

2018.02.12 09:47:15-06'00'

[Signature]
 DENVER WINCHESTER PLS 1952



STUTEVILLE 23-17-7 4H

REVISION DATE:	-

PART OF THE NW/4 OF SECTION 26, T17N, R7W WELL LOCATION EXHIBIT KINGFISHER COUNTY, OKLAHOMA

SCALE: 1" = 2000'
 PLOT DATE: 02-12-2018

DRAWING: 17601116-WELL-P
 DRAWN BY: SQ

300 Pointe Parkway Blvd
 Yukon, OK 73099
 405.787.6270 t 405.787.6276 f
 www.craftontull.com

Crafton Tull
 SURVEYING
 CERTIFICATE OF AUTHORIZATION:
 CA 973 (PE/LS) EXPIRES 6/30/2018

SHEET NO.: 3 OF 3