

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

API NUMBER: 073 25829

Approval Date: 11/27/2017

Expiration Date: 05/27/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 18N Rge: 6W

County: KINGFISHER

SPOT LOCATION: ☐ SW ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 251 2443

Lease Name: LIGHTLE 4-18-6

Well No: 2HC

Well will be 236 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

ANNA LIGHTLE
P.O. BOX 242
HENNESSEY OK 73742

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

Name	Depth	Name	Depth
1 OSWEGO	6300	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 646210

Location Exception Orders:

Increased Density Orders: 669485

Pending CD Numbers: 201707713
201707714
201707715
201707716

Special Orders:

Total Depth: 14500

Ground Elevation: 1170

Surface Casing: 1500

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: 5000 Average: 3000

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: 17-33474
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 33 Twp 19N Rge 6W County KINGFISHER

Spot Location of End Point: SE NW NW SE

Feet From: SOUTH 1/4 Section Line: 2075

Feet From: EAST 1/4 Section Line: 2300

Depth of Deviation: 6182

Radius of Turn: 900

Direction: 1

Total Length: 6904

Measured Total Depth: 14500

True Vertical Depth: 6428

End Point Location from Lease,
Unit, or Property Line: 358

Notes:

Category

Description

DEEP SURFACE CASING

11/17/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

11/17/2017 - 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

INCREASED DENSITY - 669485

11/22/2017 - G75 - E2 4-18N-6W
X646210 OSWG
1 WELL
CHESAPEAKE OP., L.L.C.
10-27-2017

PENDING CD - 201707713

11/22/2017 - G75 - (E.O.) E2 4-18N-6W & SE4 33-19N-6W
EST MULTIUNIT HORIZONTAL WELL
X646210 OSWG E2 4-18N-6W
X201707715 OSWG SE4 33-19N-6W
75% E2 4-18N-6W
25% SE4 33-19N-6W
CHESAPEAKE OP., L.L.C.
REC 11-27-2017 (THOMAS)

PENDING CD - 201707714

11/22/2017 - G75 - (E.O.) E2 4-18N-6W
X646210 OSWG
COMPL. INT. NCT 330' FSL, NCT 0' FNL, NCT 330' FWL
CHESAPEAKE OP., L.L.C.
REC 11-27-2017 (THOMAS)

PENDING CD - 201707715

11/22/2017 - G75 - (E.O.)(160)(HOR) SE4 33-19N-6W
EST OSWG, OTHER
POE TO BHL NLT 330' FB
(COEXIST SP. ORDER # 52708 OSWG SE4)
CHESAPEAKE OP., L.L.C.
REC 11-27-2017 (THOMAS)

PENDING CD - 201707716

11/22/2017 - G75 - (E.O.) SE4 33-19N-6W
X201707715 OSWG
COMPL. INT. NCT 0' FSL, NCT 330' FNL, NCT 330' FWL
CHESAPEAKE OP., L.L.C.
REC 11-27-2017 (THOMAS)

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

073 25829 LIGHTLE 4-18-6 2HC

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.

Category

Description

SPACING - 646210

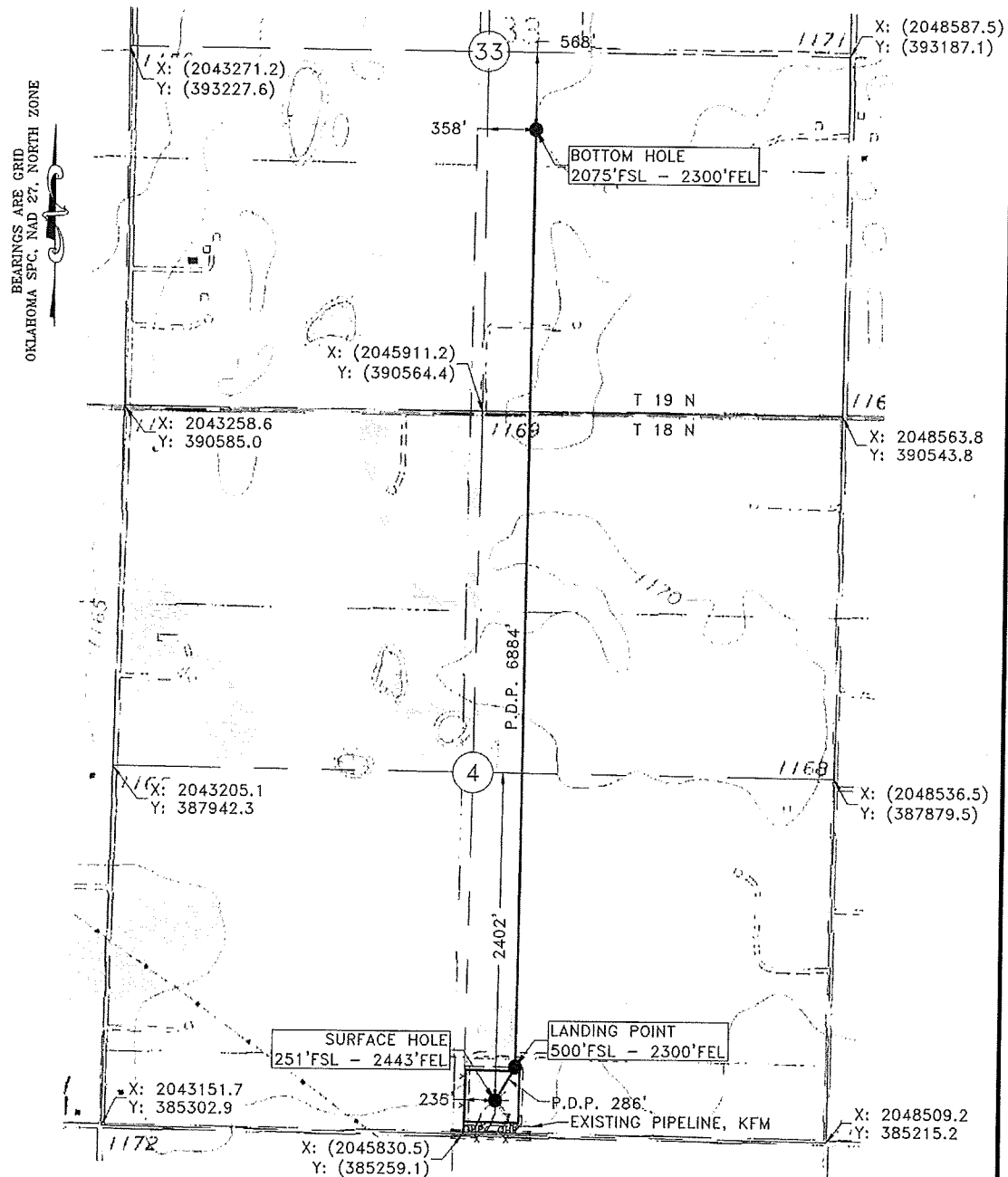
11/22/2017 - G75 - (320)(HOR) E2 4-18N-6W
EST OSWG, OTHER
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER # 48520 OSWG E2)

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SEC. 4, T 18 N - R 06 W, AND SEC. 33, T 19 N - R 06 W I.M.,
KINGFISHER COUNTY, OKLAHOMA



Operator: CHESAPEAKE OPERATING, L.L.C. Date Staked: 10/10/2017
 Lease Name: LIGHTLE 4-18-6 Well No.: 2HC Elevation: 1170'
 Topography and Vegetation: PASTURE
 Good Drill Site? YES Reference or Alt. Location Stakes Set: NONE
 Best Accessibility to Location: FROM COUNTY ROAD
 Distance and Direction from Hwy, Jct. or town: FROM THE JCT. OF STATE HWY. 51 AND US HWY. 81, HEAD SOUTH 4 MILES ON US HWY. 81, THEN EAST 3 MILES ON CO. RD. E0660, TURN NORTH INTO LOCATION.

LEGEND
 SURFACE LOCATION *
 EXISTING WELL * BOTTOM HOLE/LANDING POINT *
 PROPOSED DRILL PATH ---
 EXISTING PIPELINE - - -
 ELECTRIC LINE - - -
 OVERHEAD POWER - - -
 FENCE - - -

Fred Anthony Selesky 10-13-2017
 FRED ANTHONY SELESKY
 OKLAHOMA L.P.L.S. NO.: 1860

NOTE:

This is a plat of a proposed well location and does not represent a true boundary survey. The information shown hereon shall not be relied upon for the location or establishment of land boundary lines. All of the positions shown hereon have not been verified as being actual Section, Quarter or Property corners. Positions shown in (Parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distances. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.



Chesapeake
Operating, LLC. Chesapeake
ENERGY

Gateway
Gateway Services Group, LLC

P.O. BOX 960
 WEEKER, OK 74855
 OFF. (405) 273-0954
 FAX (405) 273-0580
 C.A. NO. 4091 (LS)
 EXP. DATE 6-30-2018

EXHIBIT "A" PRELIMINARY

LIGHTLE 4-18-6 2HC
 251'FSL - 2443'FEL
 SE/4 SECTION 4, T 18 N - R 06 W, I.M.,
 KINGFISHER COUNTY, OKLAHOMA

DRAWN BY: JE	DATE: 10/11/17	CHK'D: RLG
GATEWAY NO.: 17-0298-101	SCALE: 1"=1000'	
PAD PN#: 929905	WELL PN#: 664297	
REV. DWN.	DESCRIPTION	DATE

API 073-25829

API NUMBER: 000 00000

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

Approval Date:

Expiration Date:

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 18N Rge: 6W County: KINGFISHER
SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: 251 SOUTH FROM EAST: 244
SECTION LINES: 251 244

Lease Name: LIGHTLE 4-18-6

Well No: 2HC

Well will be 251 feet from nearest unit or lease boundary.

Operator Name: CHESAPEAKE OPERATING LLC

Telephone: 4059353425; 4059358

DTC/OCC Number: 17441 0

CHESAPEAKE OPERATING LLC

PO BOX 18496

OKLAHOMA CITY, OK 73154-0496

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Increased Density Orders: 669485

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201707714

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201707716

Special Orders:

(E.O.) Hearings 11-27-2017

Total Depth: 14500

Ground Elevation: 1170

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 190

Deep surface casing has been approved

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

Pit 1: water-based, closed
5K-3K ppm chlorides

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

PERMIT NO: 17-33474

H. Closed system = steel pits per operator request

TEMPORARY AUTHORIZATION
TO DRILL

Expiration Date: 12-1-2017

Signature: [Signature] for Virginia Hurlinger
165:10-3-1-1

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Direction: 1

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End Point Location from Lease,

Unit, or Property Line: 2075

Application for Intent to Drill

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000 00000 LIGHTLE 4-18-6 2HC