

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

API NUMBER: 073 25466

Approval Date: 12/14/2016
Expiration Date: 06/14/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 19N Rge: 5W

County: KINGFISHER

SPOT LOCATION: SW SE SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 187 832

Lease Name: ANDERSON 31-19-5

Well No: 1H

Well will be 187 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

ELIZABETH ANDERSON
509 NW 140TH STREET
EDMOND OK 73013

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

Name	Depth	Name	Depth
1 OSWEGO	6070	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 645042

Location Exception Orders: 656427

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11300

Ground Elevation: 1122

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 160

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 BED AQUIFER

Pit Location Formation: SALT PLAINS

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

PERMIT NO: 16-31911

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 31 Twp 19N Rge 5W County KINGFISHER

Spot Location of End Point: W2 NW NE NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1520

Depth of Deviation: 5808

Radius of Turn: 477

Direction: 7

Total Length: 4743

Measured Total Depth: 11300

True Vertical Depth: 6169

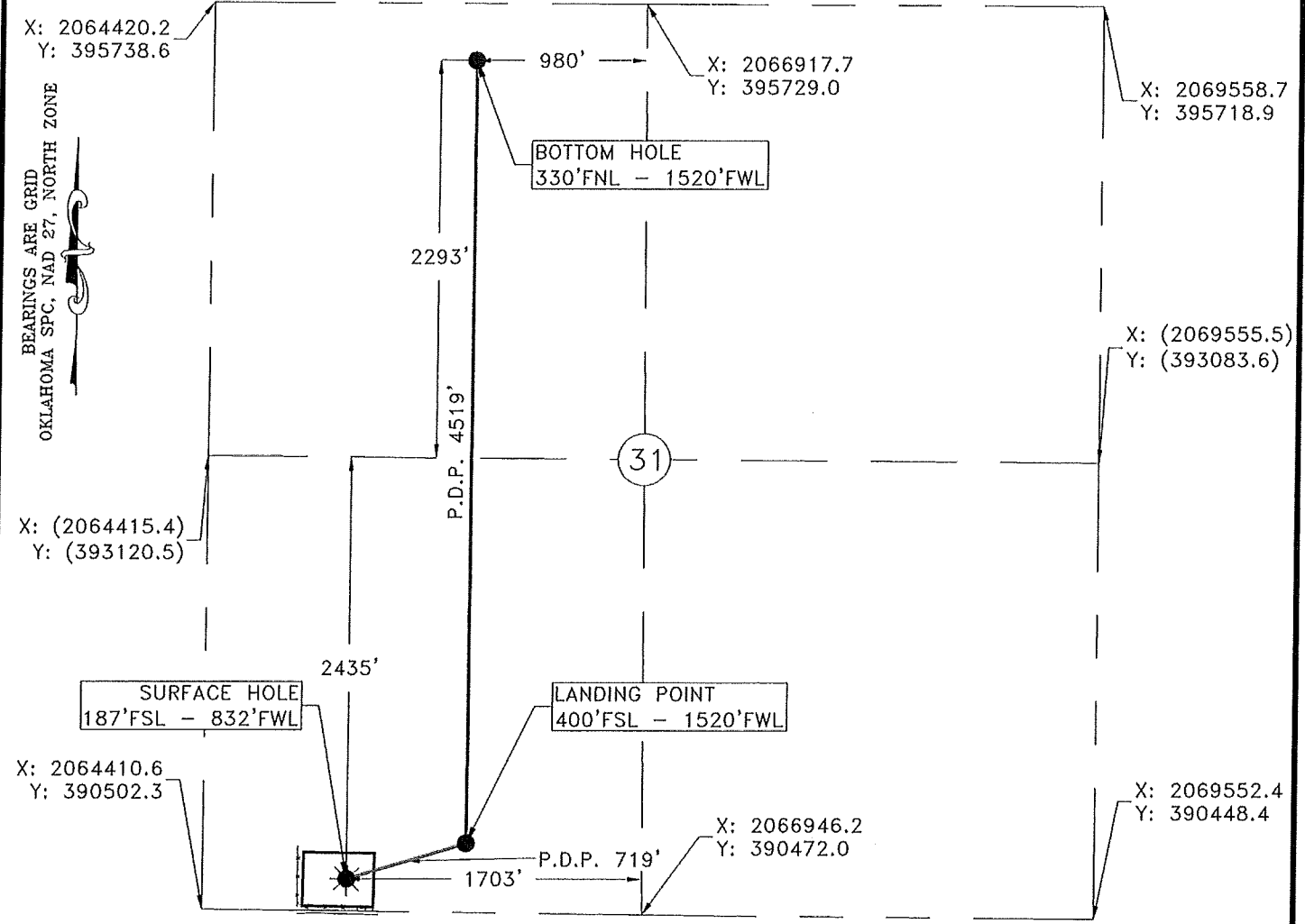
End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	12/13/2016 - 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	12/13/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.
LOCATION EXCEPTION - 656427	12/14/2016 - G75 - (I.O.) 31-19N-5W X645042 OSWG COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 800' FWL CHESAPEAKE OP., L.L.C. 9-27-2016
SPACING - 645042	12/14/2016 - G75 - (640)(HOR) 31-19N-5W VAC OTHER VAC 43828 OSWG EXT 642334 OSWG, OTHERS POE TO BHL NCT 660' FB

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SECTION 31, T 19 N - R 5 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA API 073-25466



Operator: CHESAPEAKE OPERATING, L.L.C. Date Staked: 10/10/2016
 Lease Name: ANDERSON 31-19-5 Well No.: 1H Elevation: 1122'
 Topography and Vegetation: PASTURE
 Good Drill Site? YES Reference or Alt. Location Stakes Set: NONE
 Best Accessibility to Location: FROM COUNTY
 Distance and Direction from Hwy. Jct. or town: FROM THE INTERSECTION OF STATE HIGHWAY 51 AND U.S. HIGHWAY 81 GO EAST ON HIGHWAY 51, 5.5 MILES, TURN SOUTH ON CO. RD. N2920, 3 MILES, TURN EAST ON CO. RD. E0650 1.2 MILES, TURN NORTH INTO LOCATION.

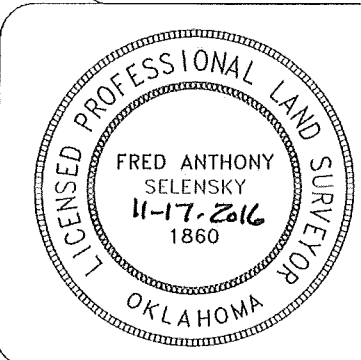
LEGEND
 SURFACE LOCATION *
 EXISTING WELL * BOTTOM HOLE/LANDING POINT ●
 PROPOSED DRILL PATH ———
 EXISTING PIPELINE - - - - -
 ELECTRIC LINE - - - - -
 OVERHEAD POWER - - - - -
 FENCE - - - - -

Chesapeake Operating, Inc.

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

Gateway
 Gateway Services Group, LLC

FRED ANTHONY SELENSKY
 OKLAHOMA L.P./L.S. NO. 1860
 DATE 11-17-2016



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.

EXHIBIT "A" PRELIMINARY
 ANDERSON 31-19-5 1H
 187' FSL - 832' FWL
 SECTION 31, T 19 N - R 5 W, I.M.,
 KINGFISHER COUNTY, OKLAHOMA

DRAWN BY: CLC	DATE: 10/11/16	CHK'D: RLG
GATEWAY NO.: 16-0615-104 R2	SCALE: 1"=1000'	
PAD PN#: 929346	WELL PN#: 658603	
REV. DWN.	DESCRIPTION	DATE
1	RLG MOVED LP AND BHL	11/15/16
2	RLG WELL HEAD REORDER	11/16/16