

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

API NUMBER: 073 25459

Approval Date: 12/08/2016
Expiration Date: 06/08/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 17N Rge: 6W

County: KINGFISHER

SPOT LOCATION: NE NE NW NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 247 1542

Lease Name: BROWN 27-17-6

Well No: 1H

Well will be 247 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

JANET BRISCOE WILLMS
825 NW 39TH STREET
OKLAHOMA CITY OK 73118

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

	Name	Depth	Name	Depth
1	BIG LIME	6383	6	
2	OSWEGO	6403	7	
3			8	
4			9	
5			10	

Spacing Orders: 647364

Location Exception Orders: 650800

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11700

Ground Elevation: 1058

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 130

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 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: SALT PLAINS

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

PERMIT NO: 16-31843

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 27 Twp 17N Rge 6W County KINGFISHER

Spot Location of End Point: C N2 N2 NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 6209

Radius of Turn: 389

Direction: 2

Total Length: 4880

Measured Total Depth: 11700

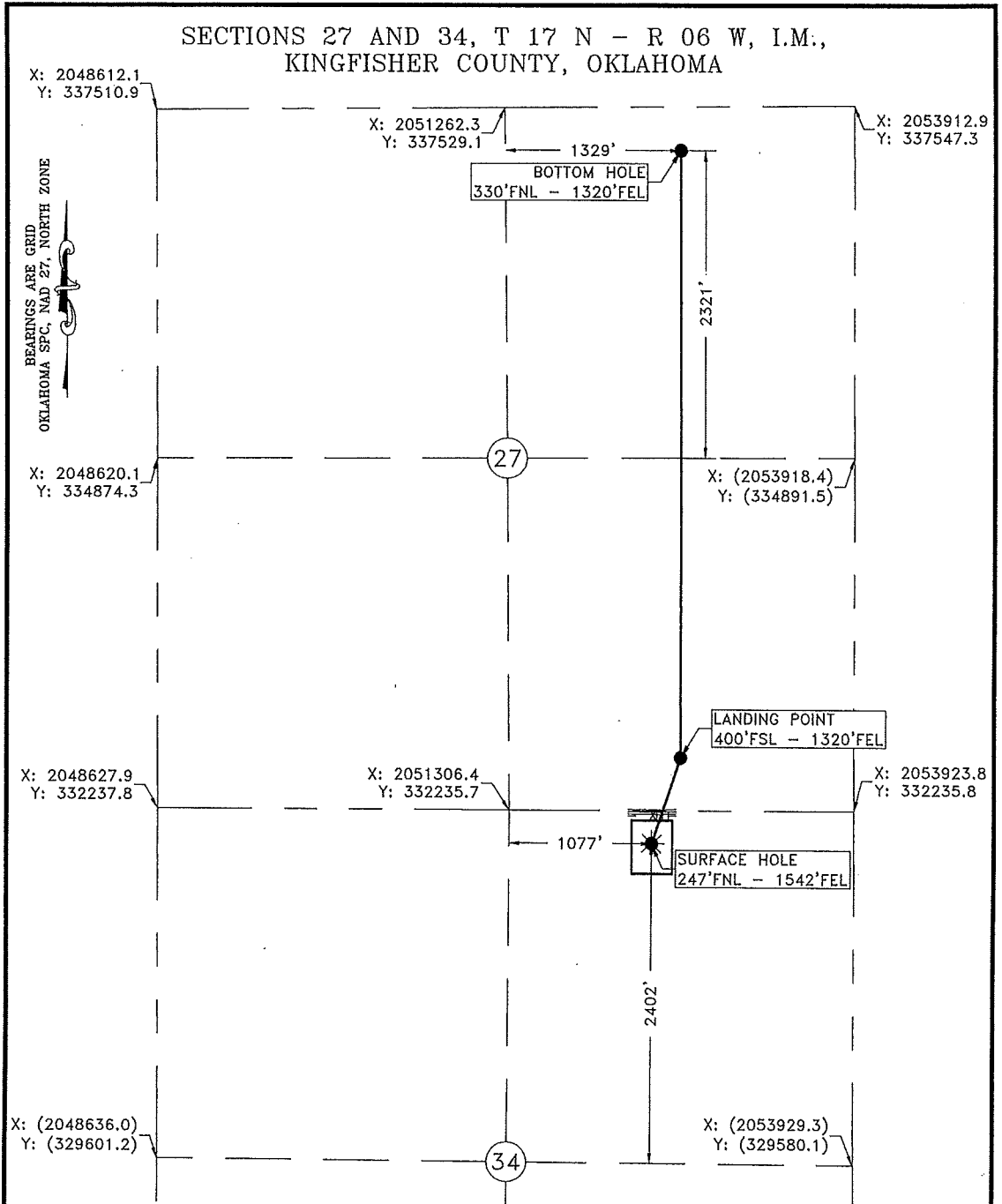
True Vertical Depth: 6570

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

Notes:

Category	Description
DEEP SURFACE CASING	12/7/2016 - 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
HYDRAULIC FRACTURING	12/7/2016 - 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 - 650800	12/7/2016 - G64 - (I.O.) 27-17N-6W X647364 BGLM, OSWG COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 660' FEL CHESAPEAKE OPERATING, L.L.C. 3-14-2016
SPACING - 647364	12/7/2016 - G64 - (640)(HOR) 27-17N-6W EST BGLM, OSWG POE TO BHL NCT 660' FB (COEXIST SP. ORDER 67372 OSWG)

SECTIONS 27 AND 34, T 17 N - R 06 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA



Operator: CHESAPEAKE OPERATING, L.L.C. Date Staked: 8/5/2015
 Lease Name: BROWN 27-17-6 Well No.: 1H Elevation: 1058'
 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 DOVER, HEAD SOUTH ON US HIGHWAY 81 5.3 MILES, THEN EAST ON CO. RD. E0760 6.2 MILES, TURN SOUTH INTO LOCATION

Fred A. Selesky 11-7-2016
 FRED ANTHONY SELENSKY DATE
 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.

LEGEND
 SURFACE LOCATION *
 EXISTING WELL 3/4" BOTTOM HOLE/LANDING POINT ●
 PROPOSED DRILL PATH - - - - -
 EXISTING PIPELINE - - - - -
 ELECTRIC LINE - - - - -
 OVERHEAD POWER - - - - -
 FENCE - - - - -

LICENSED PROFESSIONAL LAND SURVEYOR
 FRED ANTHONY SELENSKY
 11-7-2016
 1860
 OKLAHOMA

Chesapeake Operating, Inc. Chesapeake ENERGY

Gateway Gateway Services Group, LLC
 P.O. BOX 960
 WEEKER, OK 74855
 OFF. (405) 273-0854
 FAX (405) 273-0880
 C.A. NO. 4081 (LS)
 EXP. DATE 6-30-2016

EXHIBIT "A" PRELIMINARY
 BROWN 27-17-6 1H
 247' FNL - 1542' FEL
 NE/4 SECTION 34, T 17 N - R 06 W, I.M.,
 KINGFISHER COUNTY, OKLAHOMA

DRAWN BY: JE	DATE: 8/5/16	CHK'D: RLG
GATEWAY NO.: 16-0275-104	SCALE: 1"=1000'	
PAD P/N: 928819	WELL P/N: 656957	
REV. DWN	DESCRIPTION	DATE
1	CLC MOVED LP	11/4/16