

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

API NUMBER: 073 25335

Approval Date: 07/12/2016
Expiration Date: 01/12/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: KINGFISHER

SPOT LOCATION: SE SE SW SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 218 1630

Lease Name: LIGHTLE 4-18-6

Well No: 1H

Well will be 218 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	BIG LIME	6230	6	
2	OSWEGO	6300	7	
3			8	
4			9	
5			10	

Spacing Orders: 646210

Location Exception Orders: 648490

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11550

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

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

H. SEE MEMO

PERMIT NO: 16-31416

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 160000
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: 3
Liner required for Category: 3
Pit Location is AP/TE DEPOSIT
Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 04 Twp 18N Rge 6W County KINGFISHER
Spot Location of End Point: E2 NW NE NE
Feet From: NORTH 1/4 Section Line: 330
Feet From: EAST 1/4 Section Line: 980
Depth of Deviation: 6012
Radius of Turn: 750
Direction: 7
Total Length: 4360
Measured Total Depth: 11550
True Vertical Depth: 6373
End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, LOCATION EXCEPTION - 648490, MEMO, and SPACING - 646210.

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.

SECTION 4, T 18 N - R 06 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

API 073-25335

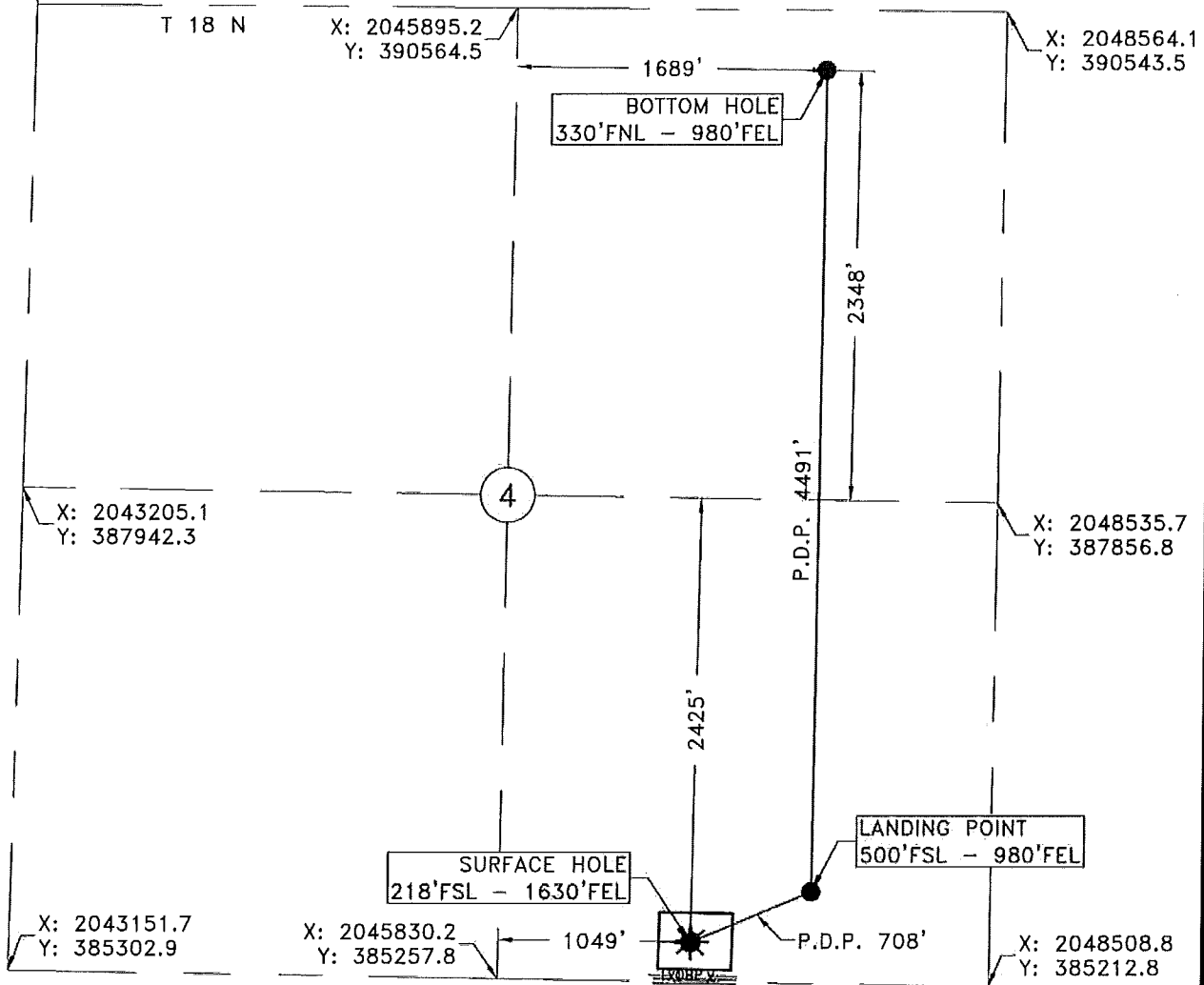
X: 2043258.6
Y: 390585.0

T 19 N
T 18 N

X: 2045895.2
Y: 390564.5

X: 2048564.1
Y: 390543.5

BEARINGS ARE GRID
OKLAHOMA SPC, NAD 27, NORTH ZONE



X: 2043205.1
Y: 387942.3

X: 2048535.7
Y: 387856.8

X: 2043151.7
Y: 385302.9

X: 2045830.2
Y: 385257.8

X: 2048508.8
Y: 385212.8

Operator: CHESAPEAKE OPERATING, L.L.C. Date Staked: 6/2/2015
 Lease Name: LIGHTLE 4-18-6 Well No.: 1H 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 HENNESSEY, OK, HEAD SOUTH ON US HWY 81
3.5 MILES, THEN EAST ON CO. RD. E0660 3.2 MILES, TURN NORTH INTO LOCATION

LEGEND

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

Chesapeake Operating, Inc.

Gateway
 Gateway Services Group, LLC

PO. BOX 960
 MEEKER, OK 74855
 OFF. (405) 273-0954
 FAX (405) 273-0580
 C.A. NO. 4091 (LS)
 EXP. DATE 6-30-2016

LICENSED PROFESSIONAL LAND SURVEYOR
 STAN DRANNON
 6/10/16
 1672
 OKLAHOMA

EXHIBIT "A" PRELIMINARY
 LIGHTLE 4-18-6 1H
 218'FSL - 1630'FEL
 SE/4 SECTION 4, T 18 N - R 06 W, I.M.,
 KINGFISHER COUNTY, OKLAHOMA

DRAWN BY: JE	DATE: 6/3/16	CHK'D: RLG
GATEWAY NO.: 16-0107-104R1	SCALE: 1"=1000'	
PAD PN#: 928752	WELL PN#: 856369	
REV. DWN.	DESCRIPTION	DATE
1 JE	REVISED LP AND BHL	6/7/16

Stan Drannon 6/10/16
 STAN DRANNON
 OKLAHOMA L.P.L.S. NO.: 1672

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.