

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

API NUMBER: 073 26246

Approval Date: 09/17/2018

Expiration Date: 03/17/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 19N Rge: 6W

County: KINGFISHER

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 240 1058

Lease Name: MARTIN 34-19-6

Well No: 1HC

Well will be 240 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

GORDON MUNDY MARTIN  
P.O. BOX 667  
HENNESSEY OK 73742

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

	Name	Depth	Name	Depth
1	BIG LIME	6184	6	
2	OSWEGO	6204	7	
3			8	
4			9	
5			10	

Spacing Orders: 677982

Location Exception Orders: 680797

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14100

Ground Elevation: 1168

**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

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: 18-35065

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 19N Rge 6W County KINGFISHER

Spot Location of End Point: C N2 N2 SW

Feet From: SOUTH 1/4 Section Line: 2310

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 6005

Radius of Turn: 573

Direction: 3

Total Length: 7195

Measured Total Depth: 14100

True Vertical Depth: 6354

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

## Notes:

### Category

### Description

#### DEEP SURFACE CASING

8/6/2018 - 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

8/6/2018 - 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](http://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](http://FRACFOCUS.ORG)

#### LOCATION EXCEPTION - 680797

9/17/2018 - G75 - (I.O.)(IRR UNIT) SW4 27 & W2 34-19N-6W  
X677982 BGLM, OSWG  
COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 660' FWL  
CHESAPEAKE OP., L.L.C.  
7-31-2018

#### SPACING - 677982

9/17/2018 - G75 - (480)(IRR UNIT)(HOR) SW4 27 & W2 34-19N-6W  
EST BGLM, OSWG  
POE TO BHL NCT 660' FB  
(COEXIST SP. ORDER # 46857 OSWG SW4 27-19N-6W & ORDER # 46739 OSWG W2 34-19N-6W;  
ORDER # 284219 BGLM NW4 34-19N-6W)

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073 26246 MARTIN 34-19-6 1HC

# CHESAPEAKE ENERGY

OPERATOR: CHESAPEAKE OPERATING, LLC  
LEASE NAME: MARTIN 34-19-6  
WELL NO. 1HC  
STAKED DATE: 2/16/18

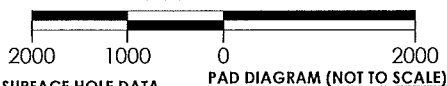
GROUND ELEVATION: 1167.74 GR. AT STAKE  
SURFACE HOLE FOOTAGE: 240' FSL - 1058' FWL  
SECTION: 34 TOWNSHIP: T19N RANGE: R6W  
KINGFISHER COUNTY, STATE: OK

BOTTOM HOLE: 27-T19N-R6W-L.M.  
BOTTOM HOLE FOOTAGE: 2310' FSL - 1320' FWL  
LANDING POINT FOOTAGE: 400' FSL - 1320' FWL

ACCESSIBILITY TO LOCATION: FROM SOUTH LINE  
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE SOUTH EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:  
FROM THE TOWN OF HENNESSEY HEAD SOUTH ±2.5MI  
ON US-81 TO E0650RD, HEAD EAST ±3.5MI TO  
N2900RD, CONTINUE EAST ±0.2MI TO AN EXISTING  
LEASE ROAD ON THE NORTH, PAD SITE IS EAST OF  
LEASE ROAD.

GRAPHIC SCALE IN FEET



## SURFACE HOLE DATA

### STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2049623.8

Y: 390781.1

GPS DATUM: NAD27

LAT: 36.07343384

LONG: -97.83208479

### STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2018024.4

Y: 390805.3

GPS DATUM: NAD83

LAT: 36.07347267

LONG: -97.83241681

## BOTTOM HOLE DATA

### STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2049935.7

Y: 398135.1

GPS DATUM: NAD27

LAT: 36.09363496

LONG: -97.83098584

### STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2018336.4

Y: 398159.4

GPS DATUM: NAD83

LAT: 36.09367342

LONG: -97.83131800

## LANDING POINT DATA

### STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2049887.2

Y: 390940.2

GPS DATUM: NAD27

LAT: 36.07386978

LONG: -97.83119235

### STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2018287.9

Y: 390964.4

GPS DATUM: NAD83

LAT: 36.07390861

LONG: -97.83152435

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.

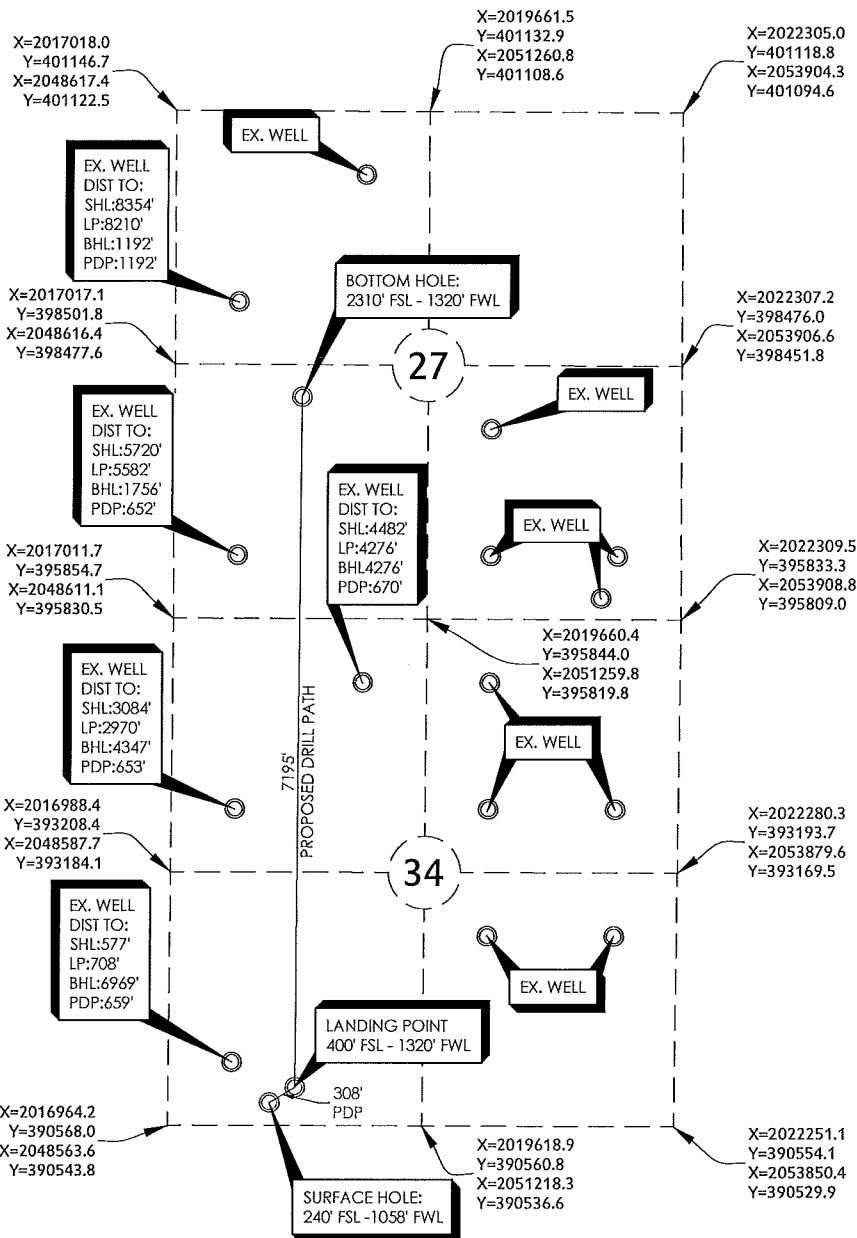
CERTIFICATION:  
THIS IS TO CERTIFY THAT THIS WELL LOCATION EXHIBIT WAS COMPILED AND PREPARED UNDER MY SUPERVISION.

2018.07.30 15:41:11-05'00'

*[Signature]*  
DENVER WINCHESTER PLS 1952



API 073-26246



MARTIN 34-19-6 1HC

REVISION DATE:

R1 7/30/2018

PART OF THE SW/4 OF  
SECTION 34, T19N, R6W  
WELL LOCATION EXHIBIT  
KINGFISHER COUNTY, OKLAHOMA

SCALE: 1" = 2000'

PLOT DATE: 07-30-2018

DRAWING: 17601120-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.: 2 OF 3