

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

API NUMBER: 073 26247

Approval Date: 09/17/2018

Expiration Date: 03/07/2020

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: 270 1058

Lease Name: MARTIN 34-19-6

Well No: 2HC

Well will be 270 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: 680839

Increased Density Orders: 680798

680840

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: 18-35066

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: E2 NW NW SW

Feet From: SOUTH 1/4 Section Line: 2310

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 6004

Radius of Turn: 573

Direction: 353

Total Length: 7196

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

EXCEPTION TO RULE - 680840

9/17/2018 - G75 - (I.O.)(IRR UNIT) SW4 27 & W2 34-19N-6W
X165:10-3-28(C)(2)(B) OSWG (MARTIN 34-19-6 2HC)
MAY BE CLOSER THAN 600' TO RAYMOND IVEN 1-A, MARY RODER 2 & E. G. MARSHALL 1
CHESAPEAKE OP., L.L.C.
8-1-2018

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:
OCCWEB.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 - 680798

9/17/2018 - G75 - (IRR UNIT) SW4 27 & W2 34-19N-6W
X677982 BGLM, OSWG
1 WELL
CHESAPEAKE OP., L.L.C.
7-31-2018

LOCATION EXCEPTION - 680839

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 330' FWL
CHESAPEAKE OP., L.L.C.
8-1-2018

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)

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

073 26247 MARTIN 34-19-6 2HC

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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.

CHESAPEAKE ENERGY

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

GROUND ELEVATION: 1167.99 GR. AT STAKE
SURFACE HOLE FOOTAGE: 270' 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 - 380' FWL
LANDING POINT FOOTAGE: 400' FSL - 380' FWL

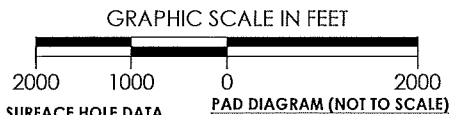
ACCESSIBILITY TO LOCATION: FROM SOUTH LINE
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE SOUTH EDGE OF A FIELD.

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.

GRID NORTH (NAD 83)
OKLAHOMA - NORTH ZONE



API 073-26247



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2049624.0

Y: 390811.0

GPS DATUM: NAD27

LAT: 36.07351617

LONG: -97.83208389

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

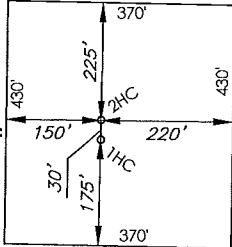
X: 2018024.7

Y: 390835.2

GPS DATUM: NAD83

LAT: 36.07355500

LONG: -97.83241591



BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2048995.7

Y: 398138.9

GPS DATUM: NAD27

LAT: 36.09364985

LONG: -97.83416733

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2017396.4

Y: 398163.2

GPS DATUM: NAD83

LAT: 36.09368830

LONG: -97.83449958

LANDING POINT DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2048947.2

Y: 390942.8

GPS DATUM: NAD27

LAT: 36.07388130

LONG: -97.83437313

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2017347.9

Y: 390967.0

GPS DATUM: NAD83

LAT: 36.07392011

LONG: -97.83470522

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.

2018.03.05 09:28:25-06'00'

DENVER WINCHESTER

PLS 1952



MARTIN 34-19-6 2HC

REVISION DATE:

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

SCALE: 1" = 2000'

PLOT DATE: 03-05-2018

DRAWING: 17601120-WELL-P

DRAWN BY: SQ

SHEET NO.: 2 OF 3

300 Pointe Parkway Blvd
Yukon, OK 73099
405.787.6270 f 405.787.6276 f
www.craftontull.com
Crafton Tull
SURVEYING
CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2018