

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

API NUMBER: 073 26318

Approval Date: 10/15/2018

Expiration Date: 04/15/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 18N Rge: 6W

County: KINGFISHER

SPOT LOCATION: ☐ NW ☐ NW ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 250 2406

Lease Name: WESLEY 28-18-6

Well No: 1HC

Well will be 250 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

FRANK O. CALDWELL
RR 1 BOX 83
DOVER OK 73734

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

Name	Depth	Name	Depth
1 OSWEGO	6292	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 681962
630826

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807339
201807340
201807341
201807342

Special Orders:

Total Depth: 16750

Ground Elevation: 1134

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 140

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: 18-35439
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 16 Twp 18N Rge 6W County KINGFISHER

Spot Location of End Point: C N2 N2 N2

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 6089

Radius of Turn: 613

Direction: 358

Total Length: 9698

Measured Total Depth: 16750

True Vertical Depth: 6450

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

Additional Surface Owner	Address	City, State, Zip
ALFONZO CALDWELL	11494 N 2900 RD	DOVER, OK 73734

Notes:

Category	Description
DEEP SURFACE CASING	10/3/2018 - 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	10/3/2018 - 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 ; 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
PENDING CD - 201807339	10/15/2018 - G56 - (I.O.) 16 & 21-18N-6W ESTABLISH MULTIUNIT HORIZONTAL WELL X630826 OSWG 21-18N-6W X681962 OSWG 16-18N-6W 50% 21-18N-6W 50% 16-18N-6W NO OP. NAMED REC. 10/8/2018 (P. PORTER)
PENDING CD - 201807340	10/15/2018 - G56 - 21-18N-6W X630826 OSWG 1 WELL NO OP. NAMED REC. 10/8/2018 (P. PORTER)
PENDING CD - 201807341	10/15/2018 - G56 - (I.O.) 21-18N-6W X630826 OSWG COMPL. INT. NCT 0' FNL, NCT 330' FSL, NCT 660' FEL NO OP. NAMED REC. 10/8/2018 (P. PORTER)
PENDING CD - 201807342	10/15/2018 - G56 - (I.O.) 16-18N-6W X681962 OSWG COMPL. INT. NCT 330' FNL, NCT 0' FSL, NCT 660' FEL NO OP. NAMED REC. 10/8/2018 (P. PORTER)
SPACING - 630826	10/15/2018 - G56 - (640) (HOR) 21-18N-6W EST. OSWG, OTHER POE TO BHL NLT 660' FB (COEXIST WITH SP. # 51905/56683)

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

073 26318 WESLEY 28-18-6 1HC

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.

Category

Description

SPACING - 681962

10/15/2018 - G56 - (640) (HOR) 16-18N-6W
EST. OSWG, OTHER
POE TO BHL NLT 660' FB
(COEXIST WITH SP. # 51905)

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.

CHESAPEAKE ENERGY

OPERATOR: CHESAPEAKE OPERATING, LLC
LEASE NAME: WESLEY 28-18-6
WELL NO. 1HC
STAKED DATE: 4/13/18

GROUND ELEVATION: 1133.61 GR. AT STAKE
SURFACE HOLE FOOTAGE: 250' FNL - 2406' FEL

SECTION: 28 TOWNSHIP: T18N RANGE: R6W
KINGFISHER COUNTY, STATE: OK

BOTTOM HOLE: 16-T18N-R6W-1M.

BOTTOM HOLE FOOTAGE: 330' FNL - 2640' FEL

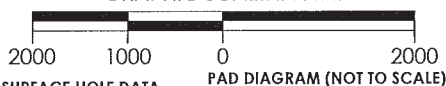
LANDING POINT FOOTAGE: 500' FSL - 2640' FWL

ACCESSIBILITY TO LOCATION: FROM NORTH LINE

TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE NORTH EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
FROM THE TOWN OF DOVER HEAD NORTH ON US-81
2.5MI± TO E690 RD, HEAD EAST 3.0MI± TO N2890 RD,
CONTINUE EAST 0.5MI±, PAD SITE IS SOUTH OF THE
ROAD.

GRAPHIC SCALE IN FEET



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2014534.9

Y: 369221.1

GPS DATUM: NAD27

LAT: 36.01419505

LONG: -97.84434210

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2046134.1

Y: 369197.1

GPS DATUM: NAD83

LAT: 36.01415520

LONG: -97.84401024

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2014275.9

Y: 379667.0

GPS DATUM: NAD27

LAT: 36.04289203

LONG: -97.84516127

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2045875.2

Y: 379642.9

GPS DATUM: NAD83

LAT: 36.04285270

LONG: -97.84482914

LANDING POINT DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2014293.3

Y: 369969.4

GPS DATUM: NAD27

LAT: 36.01625189

LONG: -97.84515497

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2045892.5

Y: 369945.4

GPS DATUM: NAD83

LAT: 36.01621207

LONG: -97.84482307

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.

2018.05.11 09:11:25-05'00'

[Signature]
DENVER WINCHESTER PLS 1952



WESLEY 28-18-6 1HC

REVISION DATE:

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PART OF THE NE/4 OF
SECTION 28, T18N, R6W
WELL LOCATION EXHIBIT

KINGFISHER COUNTY, OKLAHOMA

SCALE: 1" = 2000'

PLOT DATE: 04-18-2018

DRAWING: 17601121-WELL-P

DRAWN BY: SQ

SHEET NO.: 2 OF 3

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