

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

API NUMBER: 011 23834

Approval Date: 07/26/2017

Expiration Date: 01/26/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 19N Rge: 13W

County: BLAINE

SPOT LOCATION: NE NW NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 440

Lease Name: ADMIRAL 1-19-13

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

JESSIE & VALERIE HOSKINS
RT. 1, BOX 171X
LONGDALE OK 73755

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8000	6	
2	MISSISSIPPI	8300	7	
3			8	
4			9	
5			10	

Spacing Orders: 79339
665609
666203

Location Exception Orders: 666204

Increased Density Orders:

Pending CD Numbers: 201704442
201704443

Special Orders:

Total Depth: 19100

Ground Elevation: 1669

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 40

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: 8000 Average: 5000

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: 17-32786

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: 200000
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 25 Twp 20N Rge 13W County MAJOR
Spot Location of End Point: NE NW NW NW
Feet From: NORTH 1/4 Section Line: 50
Feet From: WEST 1/4 Section Line: 430
Depth of Deviation: 8064
Radius of Turn: 477
Direction: 359
Total Length: 10287
Measured Total Depth: 19100
True Vertical Depth: 8814
End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, INTERMEDIATE CASING, and LOCATION EXCEPTION - 666204.

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.

Category	Description
MEMO	7/24/2017 - G58 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201704442	7/25/2017 - G75 - (E.O.) 25-20N-13W X79339 MISS 1 WELL NO OP. NAMED REC 7-18-2017 (NORRIS)
PENDING CD - 201704443	7/25/2017 - G75 - (E.O.) 25-20N-13W X79339 MISS COMPL. INT. NCT 0' FSL, NCT 150' FNL, NCT 330' FWL NO OP. NAMED REC 7-18-2017 (NORRIS)
SPACING - 665609	7/25/2017 - G75 - (640)(HOR) 36-20N-13W VAC 46580 UNCCR VAC 113161 MNNG, MSSLM EST MSSP, OTHERS COMPL. INT. NCT 660' FB
SPACING - 666203	7/25/2017 - G75 - (E.O.) 25 & 36-20N-13W EST MULTIUNIT HORIZONTAL WELL X79339 MISS 25-20N-13W X665609 MSSP 36-20N-13W 50% 25-20N-13W 50% 36-20N-13W NO OP. NAMED 7-21-2017
SPACING - 79339	7/25/2017 - G75 - (640) 25-20N-13W EST OTHERS EXT OTHERS EXT 67846 MISS, OTHERS

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

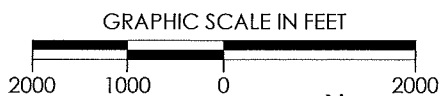
API 011-23834

OPERATOR: CHESAPEAKE OPERATING, LLC.
 LEASE NAME: ADMIRAL 1-19-13
 WELL NO. 1HC
 STAKED DATE: 6/13/17

GROUND ELEVATION: 1669.23 GR. AT STAKE
 SURFACE HOLE FOOTAGE: 250' FNL - 440' FWL
 SECTION: 1 TOWNSHIP: T19N RANGE: R13W
 BLAINE COUNTY, STATE: OK
 BOTTOM HOLE: 25-T20N-R13W-1.M.
 BOTTOM HOLE FOOTAGE: 50' FNL - 430' FWL
 LANDING POINT FOOTAGE: 165' FSL - 430' 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:
 AT THE JCT. OF SH58 AND 1ST ST IN LONGDALE, NORTH 1.5 MI TO E590 RD, SITE IS SE OF INTERSECTION



SURFACE HOLE DATA
 STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD27
 X: 1838837.5
 Y: 422044.3
 GPS DATUM: NAD27
 LAT: 36.15819115
 LONG: -98.54592599
 STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD83
 X: 1807235.4
 Y: 422069.7
 GPS DATUM: NAD83
 LAT: 36.15822900
 LONG: -98.54628510



BOTTOM HOLE DATA
 STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD27
 X: 1838888.6
 Y: 432746.6
 GPS DATUM: NAD27
 LAT: 36.18759166
 LONG: -98.54595664
 STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD83
 X: 1807286.6
 Y: 432772.0
 GPS DATUM: NAD83
 LAT: 36.18762904
 LONG: -98.54631572

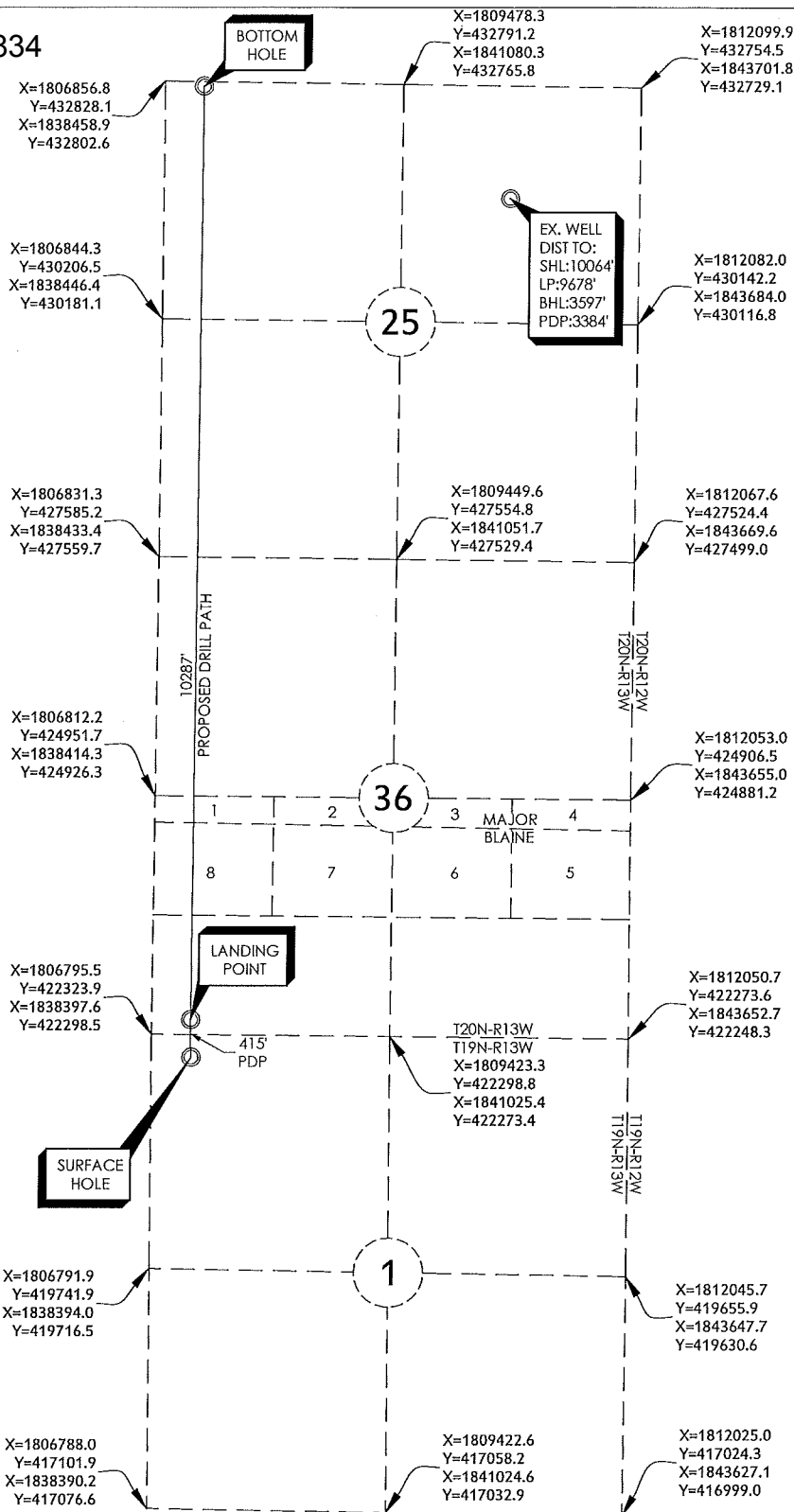
LANDING POINT DATA
 STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD27
 X: 1838828.7
 Y: 422459.4
 GPS DATUM: NAD27
 LAT: 36.15933130
 LONG: -98.54596375
 STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD83
 X: 1807226.6
 Y: 422484.8
 GPS DATUM: NAD83
 LAT: 36.15936913
 LONG: -98.54632286

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.

[Signature]

DENVER WINCHESTER PLS 1952



ADMIRAL 1-19-13 1HC

REVISION DATE:
-
-
-

PART OF THE NW/4 OF SECTION 1, T19N, R13W
 WELL LOCATION EXHIBIT
 BLAINE COUNTY, OKLAHOMA



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

SCALE: 1" = 2000'
 PLOT DATE: 06-21-2017

DRAWING: 17601104-WELL
 DRAWN BY: DW

SHEET NO.: 1 OF 2