

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

API NUMBER: 153 23633

Approval Date: 08/23/2018

Expiration Date: 02/23/2019

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 24N Rge: 17W

County: WOODWARD

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 155 1000

Lease Name: TAMBORA 5-24-17

Well No: 1H

Well will be 155 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

JOHN AND TRACY STINE  
220794 E COUNTY ROAD 29  
MOORELAND OK 73852

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

|   | Name         | Depth | Name | Depth |
|---|--------------|-------|------|-------|
| 1 | CHESTER LIME | 6400  | 6    |       |
| 2 |              |       | 7    |       |
| 3 |              |       | 8    |       |
| 4 |              |       | 9    |       |
| 5 |              |       | 10   |       |

Spacing Orders: 80667

Location Exception Orders: 681671

Increased Density Orders: 681670

Pending CD Numbers:

Special Orders:

Total Depth: 12500

Ground Elevation: 1682

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 160

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: 25000 Average: 8000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

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

PERMIT NO: 18-35097

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 05 Twp 24N Rge 17W County WOODWARD

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1400

Depth of Deviation: 6204

Radius of Turn: 652

Direction: 355

Total Length: 5266

Measured Total Depth: 12500

True Vertical Depth: 6565

End Point Location from Lease,  
Unit, or Property Line: 150

## Notes:

### Category

### Description

DEEP SURFACE CASING

8/23/2018 - 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

8/23/2018 - 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)

INCREASED DENSITY - 681670

8/23/2018 - G58 - 5-24N-17W  
X80667 CRLM  
1 WELL  
CHESAPEAKE OPERATING, LLC  
8/17/2018

LOCATION EXCEPTION - 681671

8/23/2018 - G58 - (I.O.) 5-24N-17W  
X80667 CRLM  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL  
CHESAPEAKE OPERATING, LLC  
8/17/2018

SPACING - 80667

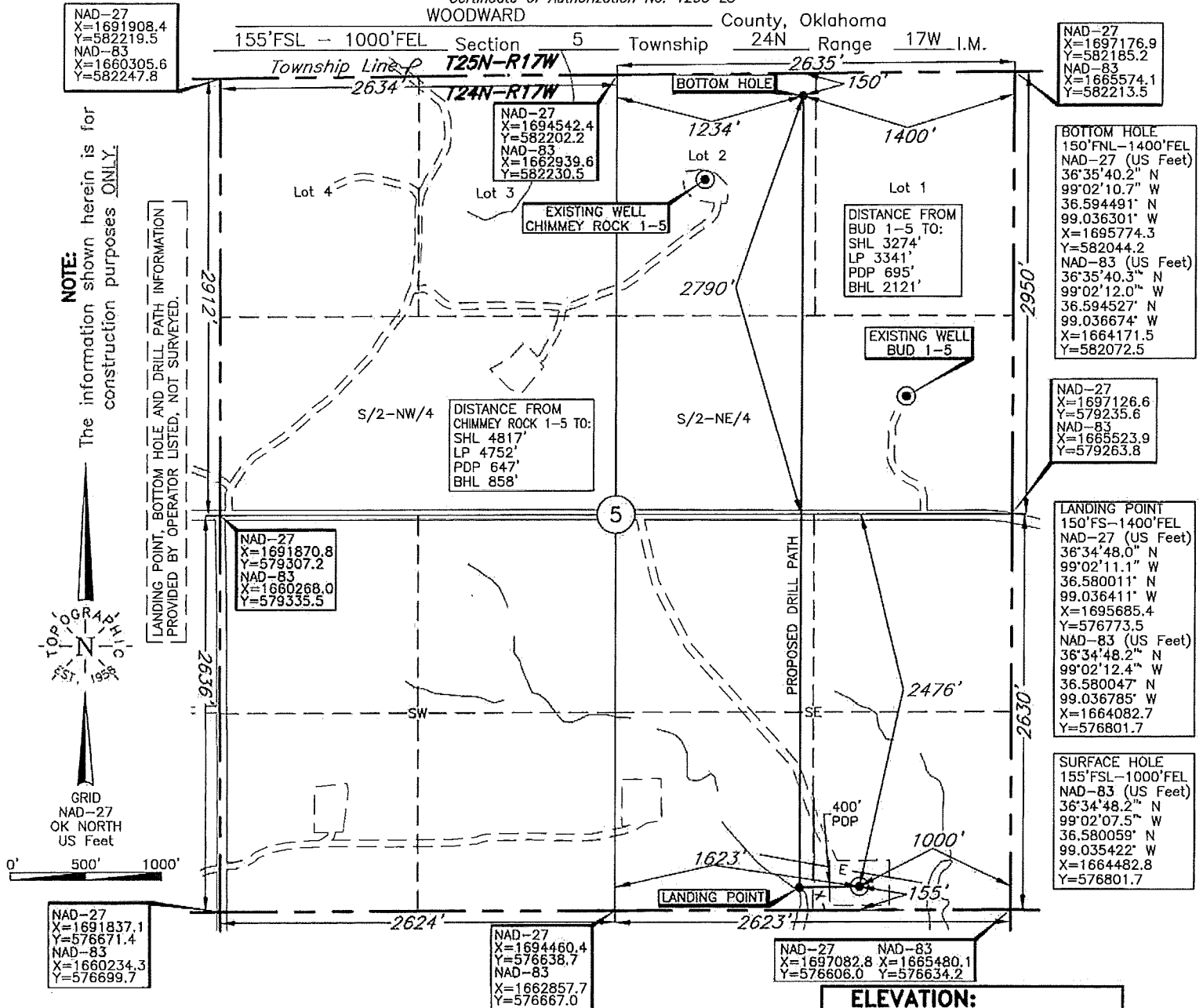
8/23/2018 - G58 - (640) 5-24N-17W  
EXT 36726/56913 CRLM  
EXT OTHERS  
EST OTHERS

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.

153 23633 TAMBORA 5-24-17 1H



Operator: CHESAPEAKE OPERATING, L.L.C.

Lease Name: TAMBORA 5-24-17

Well No.: 1H

Topography & Vegetation Loc. fell in sloping plowed field

Good Drill Site? Yes Reference Stakes or Alternate Location  
Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction  
from Hwy Jct or Town From Jct. US Hwy. 412 E-W and St. Hwy. 50 on Mooreland, OK, go  $\pm 10.0$  mi. North,  
then  $\pm 4.0$  mi. East, then  $\pm 1.0$  mi. North, then  $\pm 3.0$  mi. East, then  $\pm 0.5$  mi. South, then  $\pm 2.0$  mi. East,  
then  $\pm 0.5$  mi. South to the SE Cor. of Sec. 5-T24N-R17W

Date of Drawing: Mar. 02, 2018

Invoice # 287068 Date Staked: Feb. 26, 2018

AC

This information was gathered with a GPS receiver with  $\pm 1$  foot Horiz./Vert. accuracy

DATUM: NAD-27  
LAT: 36°34'48.1"N  
LONG: 99°02'06.2"W  
LAT: 36.580023030° N  
LONG: 99.035048734° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1696085.6  
Y: 576773.5

CERTIFICATE:

I, T. Wayne Fisch an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

T. Wayne Fisch  
Oklahoma Lic. No. 1378

