

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

API NUMBER: 073 26207

Approval Date: 08/14/2018
Expiration Date: 02/14/2019

Horizontal Hole Disposal

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 18N Rge: 9W County: KINGFISHER
SPOT LOCATION: NW SW SW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 2084 185

Lease Name: COPPERHEAD SWD Well No: 1 Well will be 185 feet from nearest unit or lease boundary.
Operator Name: COTTONMOUTH SWD LLC Telephone: 9184886416 OTC/OCC Number: 24157 0

COTTONMOUTH SWD LLC
6100 S YALE AVE STE 1700
TULSA, OK 74136-1921

JERRY JANEAL & JOYCE VILHAUER, CO-TRUSTEES
RURAL ROUTE 1, BOX 45
LOYAL OK 73756

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

Name	Depth	Name	Depth
1 WILCOX	9540	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12361 Ground Elevation: 1229 **Surface Casing: 360** Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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 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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35117
H. SEE MEMO

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: CLOSED Closed System Means Steel Pits

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 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

HORIZONTAL HOLE 1

Sec 21 Twp 18N Rge 9W County KINGFISHER

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 2600

Depth of Deviation: 8790

Radius of Turn: 573

Direction: 53

Total Length: 2671

Measured Total Depth: 12361

True Vertical Depth: 9690

End Point Location from Lease,
Unit, or Property Line: 175

Additional Surface Owner	Address	City, State, Zip
VILHAUER FARMS	RR. 1, BOX 45	LOYAL, OK 73756

Notes:

Category

Description

HYDRAULIC FRACTURING

8/7/2018 - 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

MEMO

8/7/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING

8/7/2018 - G71 - N/A - DISPOSAL WELL



Well Location Plat

Sec. 21-18N-9W I.M.

Operator: CHISHOLM OIL & GAS OPERATING, LLC

Lease Name and No.: COPPERHEAD SWD #1

API 073-26207

Footage: 2084' FNL - 185' FWL Gr. Elevation: 1229'

NW/4-SW/4-SW/4-NW/4 Section: 21 Township: 18N Range: 9W I.M.

County: Kingfisher State of Oklahoma

Terrain at Loc.: Location fell in a pasture with a DCP Pipeline to the South.



All bearings shown are grid bearings.

0' 500' 1000' 1500'

1" = 1000'

GPS DATUM

NAD 83

NAD 27

UTM - ZONE 14

Surface Hole Loc.:

Lat: 36°01'23.09"N

Lon: 98°10'27.02"W

Lat: 36.02304207

Lon: -98.17382827

X:1884648

Y:13079433

Landing Point:

Lat: 36°01'25.96"N

Lon: 98°10'23.49"W

Lat: 36.02383870

Lon: -98.17284833

X:1884935

Y:13079726

Bottom Hole Loc.:

Lat: 36°01'41.98"N

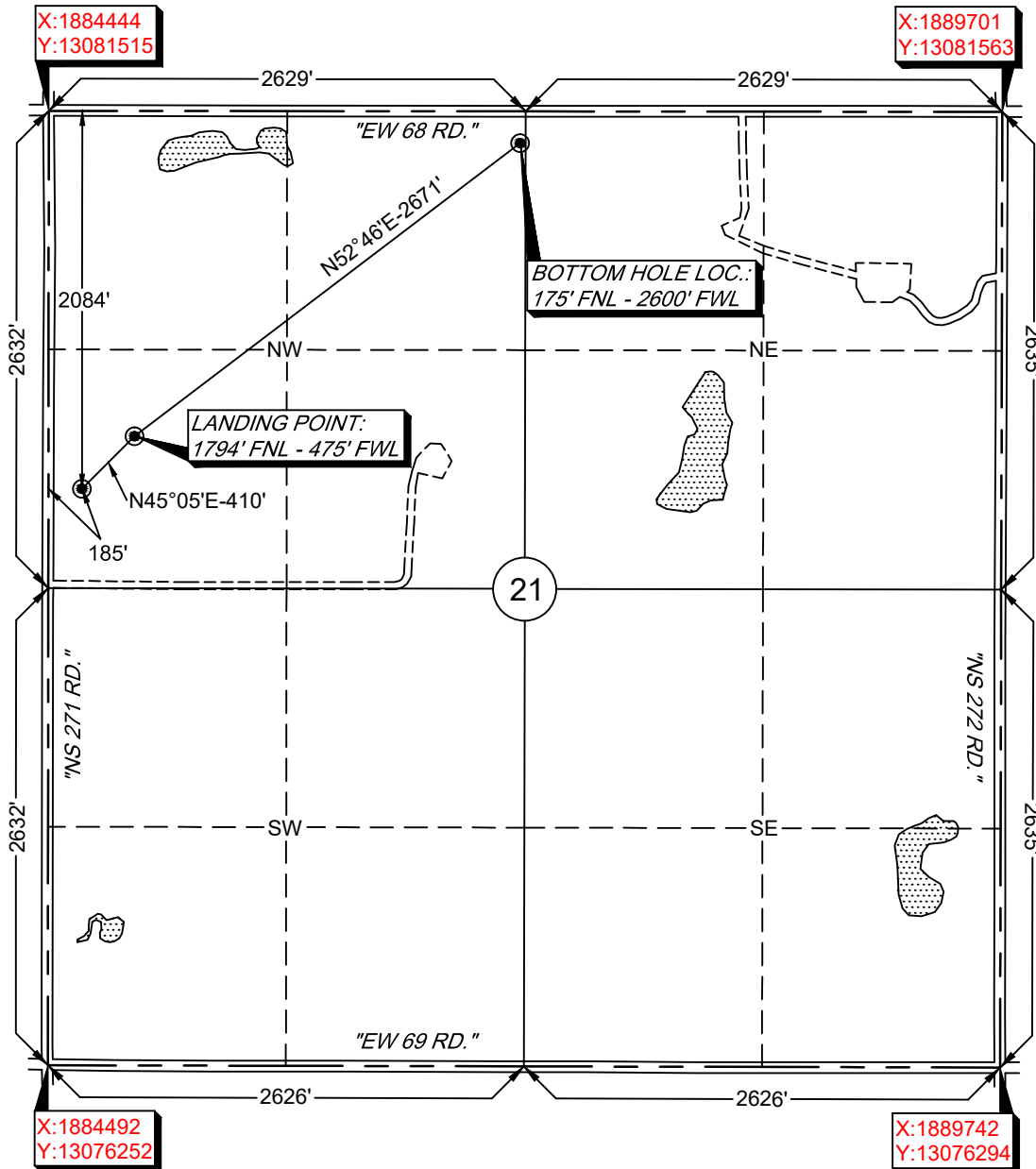
Lon: 98°09'57.63"W

Lat: 36.02828972

Lon: -98.16566601

X:1887044

Y:13081364



-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping 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.
 -Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

Survey and plat by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2020

Invoice #7894

Date Staked: 06/06/18 By: J.W.

Date Drawn: 06/07/18 By: C.K.

Revise Lease Name: 07/03/18 By: R.M.

Add LP & BHL: 07/16/18 By: J.K.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.


 LANCE G. MATHIS

07/20/18

OK LPLS 1664

