

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

API NUMBER: 073 26359

Approval Date: 11/27/2018

Expiration Date: 05/27/2020

Horizontal Hole Disposal

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 18N Rge: 9W

County: KINGFISHER

SPOT LOCATION: SW SW NW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1503 216

Lease Name: MOJAVE SWD

Well No: 1

Well will be 216 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

KENNETH WEHRENBERG
5221 E 690 ROAD
LOYAL OK 73756

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

Name	Depth	Name	Depth
1 WILCOX	9400	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: 11914

Ground Elevation: 1199

Surface Casing: 260

Depth to base of Treatable Water-Bearing FM: 200

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35775
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 24 Twp 18N Rge 9W County KINGFISHER

Spot Location of End Point: SE SE SE SW

Feet From: SOUTH 1/4 Section Line: 175

Feet From: WEST 1/4 Section Line: 2479

Depth of Deviation: 8994

Radius of Turn: 521

Direction: 140

Total Length: 2102

Measured Total Depth: 11914

True Vertical Depth: 9515

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/8/2018 - 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

SPACING

11/8/2018 - G71 - N/A - DISPOSAL WELL



Well Location Plat

Sec. 24 - 18N - 9W I.M.
073-26359

Operator: COTTONMOUTH SWD, LLC
Lease Name and No.: MOJAVE SWD #1
Footage: 1503' FSL - 216' FWL Gr. Elevation: 1199'
SW/4-SW/4-NW/4-SW/4 Section: 24 Township: 18N Range: 9W I.M.
County: Kingfisher State of Oklahoma
Terrain at Loc.: Location fell in flat open field.



All bearings shown are grid bearings.



1" = 1000'

GPS DATUM
NAD 83
NAD 27
UTM - ZONE 14

Surface Hole Loc.:

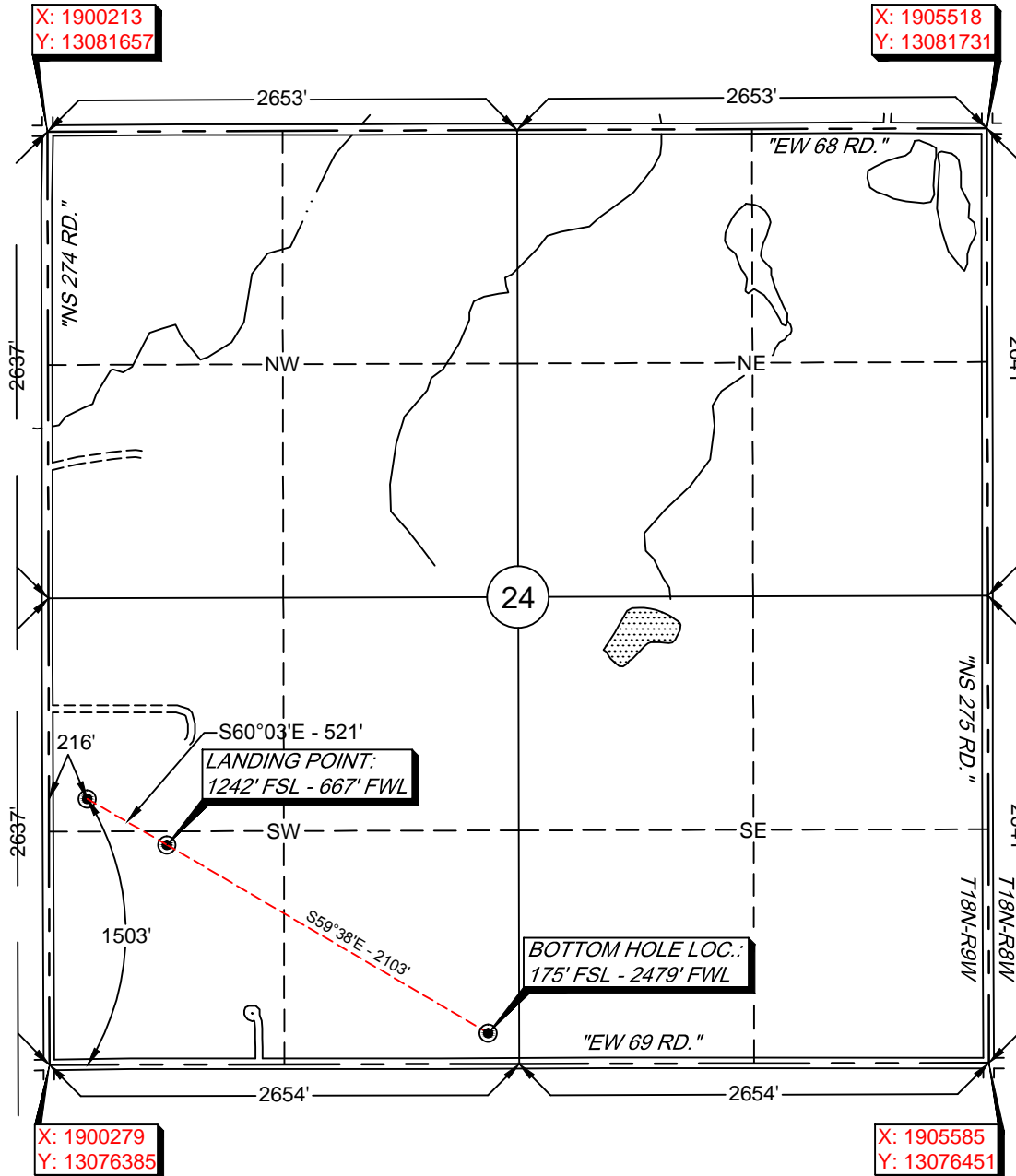
Lat: 36°01'06.45"N
Lon: 98°07'14.44"W
Lat: 36.01842136
Lon: -98.12033604
X: 1900477
Y: 13077890

Landing Point:

Lat: 36°01'03.89"N
Lon: 98°07'08.94"W
Lat: 36.01770872
Lon: -98.11880891
X: 1900930
Y: 13077635

Bottom Hole Loc.:

Lat: 36°00'53.39"N
Lon: 98°06'46.84"W
Lat: 36.01479369
Lon: -98.11266991
X: 1902755
Y: 13076591



-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 #8188-A
Date Staked: 09/27/18 By: D.K.
Date Drawn: 10/03/18 By: M.K.
Added LP/BHL: 10/09/18 By: J.H.

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

10/18/18

OK LPLS 1664

