

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

API NUMBER: 107 23597 B

Approval Date: 12/03/2019
Expiration Date: 06/03/2021

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: RE-PERMIT FOR TEMPORARY EXPIRING ON
12/10/2019

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 10N Rge: 9E County: OKFUSKEE
SPOT LOCATION: SW SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 227 522

Lease Name: **TIMBERWOLF** Well No: **1-24-13CH** Well will be **227** feet from nearest unit or lease boundary.

Operator **CALYX ENERGY III LLC** Telephone: 9189494224 OTC/OCC Number: 23515 0
Name:

CALYX ENERGY III LLC
6120 S YALE AVE STE 1480
TULSA, OK 74136-4226

DALE DAVIS TRUST
116159 HWY 27
OKEMAH OK 74859

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	3475	6	
2 WOODFORD	3770	7	
3		8	
4		9	
5		10	

Spacing Orders: 681202 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: 201905646 Special Orders:

Total Depth: 14021 Ground Elevation: 805 **Surface Casing: 750** Depth to base of Treatable Water-Bearing FM: 40

Deep surface casing has been approved

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

PIT 1 INFORMATION

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 BED AQUIFER

Pit Location Formation: WEWOKA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37130
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 18 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 13 Twp 10N Rge 9E County OKFUSKEE

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 3193

Radius of Turn: 382

Direction: 2

Total Length: 10228

Measured Total Depth: 14021

True Vertical Depth: 3770

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category	Description
DEEP SURFACE CASING	12/3/2019 - 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
PENDING CD - 201905646	12/6/2019 - G56 - (E.O.) 13 & 24-10N-9E X681202 MSSP, WDFD COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 330' FEL CALYX ENERGY III, LLC REC 12/6/2019 (JOHNSON)
SPACING - 681202	12/6/2019 - G56 - (1280)(HOR) 13 & 24-10N-9E EST MSSP, WDFD, OTHER COMPL INT (MSSP) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL

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The duration of this permit is 18 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.



Well Location Plat

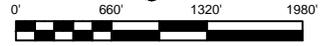
S.H.L. Sec. 24-10N-9E I.M.
B.H.L. Sec. 13-10N-9E I.M.

Operator: CALYX ENERGY III, LLC
Lease Name and No.: TIMBERWOLF 1-24-13CH
Footage: 227' FSL - 522' FEL Gr. Elevation: 805'
Section: 24 Township: 10N Range: 9E I.M.
County: Okfuskee State of Oklahoma
Terrain at Loc.: Location fell in mostly flat, open pasture.

107-23597B



All bearings shown are grid bearings.



1" = 1320'

GPS DATUM
NAD 83
NAD 27
OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°19'10.90"N
Lon: 96°18'04.95"W
X: 2475255.31
Y: 120809.36

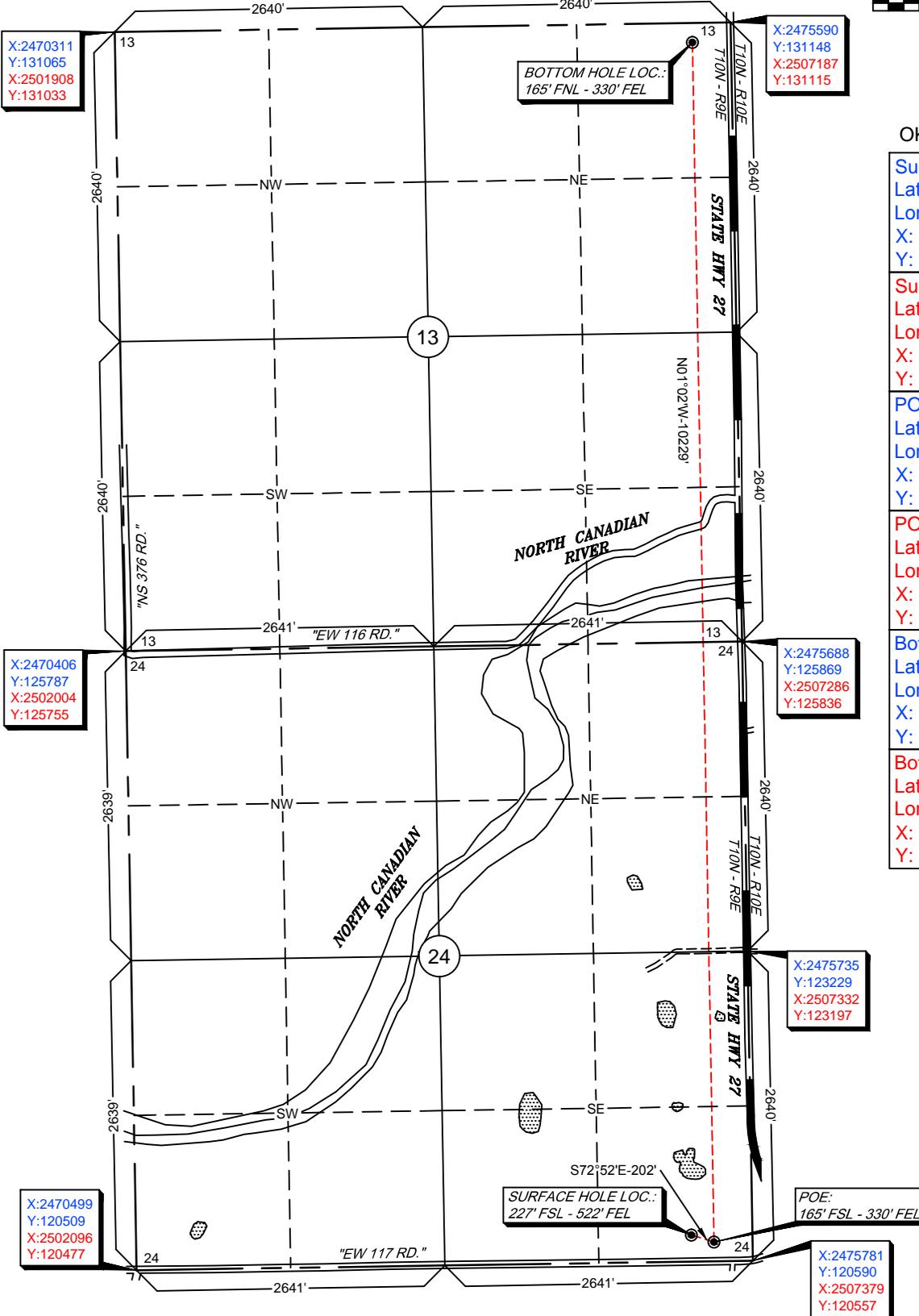
Surface Hole Loc.:
Lat: 35°19'10.59"N
Lon: 96°18'03.92"W
X: 2506852.74
Y: 120776.66

POE:
Lat: 35°19'10.28"N
Lon: 96°18'02.63"W
X: 2475448.26
Y: 120749.85

POE:
Lat: 35°19'09.97"N
Lon: 96°18'01.61"W
X: 2507045.69
Y: 120717.15

Bottom Hole Loc.:
Lat: 35°20'51.44"N
Lon: 96°18'02.71"W
X: 2475262.98
Y: 130977.58

Bottom Hole Loc.:
Lat: 35°20'51.13"N
Lon: 96°18'01.68"W
X: 2506860.30
Y: 130944.60



-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

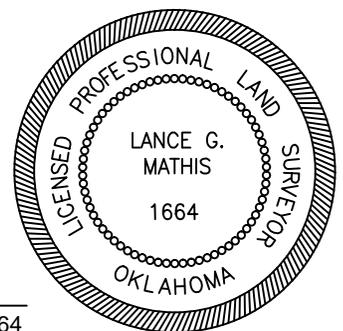
Certification:

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

07/02/18

OK LPLS 1664



Invoice #7900-B

Date Staked: 06/13/18 By: H.S.
Date Drawn: 06/20/18 By: J.K.