

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 A

Approval Date: 12/03/2019

Expiration Date: 12/10/2019

Horizontal Hole Oil & Gas

TEMPORARY 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 Name: CALYX ENERGY III LLC

Telephone: 9189494224

OTC/OCC Number: 23515 0

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

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: 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

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 5 business days, 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

TEMPORARY AUTHORIZATION TO DRILL

12/3/2019 - G56 - APPROVED PER TECHNICAL REVIEW COORDINATOR BOB MCCOY; ISSUED 12/4/2019; EXPIRES 12/10/2019

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107 23597 TIMBERWOLF 1-24-13CH