

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

API NUMBER: 063 24754

Approval Date: 01/11/2018

Expiration Date: 07/11/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 9N Rge: 10E County: HUGHES

SPOT LOCATION: ☐ SW ☐ NW ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 470 129

Lease Name: BARGER WEST

Well No: 1-27-22CH

Well will be 129 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

BARGER TRUST  
319 S. CANADIAN  
WETUMKA OK 74883

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	3450	6	
2	WOODFORD	3750	7	
3			8	
4			9	
5			10	

Spacing Orders: 659447  
665459  
659885

Location Exception Orders: 660600

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14200

Ground Elevation: 719

**Surface Casing: 500**

Depth to base of Treatable Water-Bearing FM: 40

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 18-33699

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 22 Twp 9N Rge 10E County HUGHES

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 180

Depth of Deviation: 3134

Radius of Turn: 477

Direction: 357

Total Length: 10237

Measured Total Depth: 14120

True Vertical Depth: 3750

End Point Location from Lease,

Unit, or Property Line: 165

## Notes:

### Category

### Description

DEEP SURFACE CASING

1/10/2018 - 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

1/10/2018 - 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)

LOCATION EXCEPTION - 660600

1/11/2018 - G57 - (I.O.) 27 & 22-9N-10E  
X659447 MSSP, WDFD 27-9N-10E  
X659885 MSSP, WDFD 22-9N-10E  
COMPL. INT. (27-9N-10E) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL  
COMPL. INT. (22-9N-10E) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL  
CALYX ENERGY III, LLC.  
2-3-2017

SPACING - 659447

1/11/2018 - G57 - (640)(HOR) 27-9N-10E  
EST MSSP, WDFD  
POE TO BHL (MSSP) NCT 660' FB  
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

SPACING - 659885

1/11/2018 - G57 - (640)(HOR) 22-9N-10E  
EST MSSP, WDFD, OTHER  
POE TO BHL (MSSP) NCT 660' FB  
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

SPACING - 665459

1/11/2018 - G57 - (I.O.) 27 & 22-9N-10E  
EST MULTIUNIT HORIZONTAL WELL  
X659447 MSSP, WDFD 27-9N-10E  
X659885 MSSP, WDFD 22-9N-10E  
50% 27-9N-10E  
50% 22-9N-10E  
NO OP. NAMED  
6-30-2017

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063 24754 BARGER WEST 1-27-22CH

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