

API NUMBER: 063 24917 B

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

Approval Date: 07/17/2020  
Expiration Date: 01/17/2022

Multi Unit Oil & Gas

Amend reason: UPDATE OCC ORDERS

**AMEND PERMIT TO DRILL**

WELL LOCATION: Section: 12 Township: 8N Range: 12E County: HUGHES

SPOT LOCATION: ☐ NE ☐ SW ☐ NW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 1904 1998

Lease Name: FRANKLIN Well No: 2-12-24WH Well will be 1904 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

MIDDLE CREEK, LLC  
2798 NORTH 394  
DUSTIN OK 74839

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

	Name	Code	Depth
1	MAYES	353MYES	4700
2	WOODFORD	319WDFD	4800

Spacing Orders: 671206 Location Exception Orders: 715855 Increased Density Orders: 707350  
671757 707351  
715933 707352

Pending CD Numbers: No Pending Working interest owners' notified: \*\*\* Special Orders: No Special Orders

Total Depth: 15500 Ground Elevation: 914 Surface Casing: 500 Depth to base of Treatable Water-Bearing FM: 250

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

**Approved Method for disposal of Drilling Fluids:**

A. Evaporation/dewater and backfilling of reserve pit.  
B. Solidification of pit contents.  
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37380  
H. (Other) CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

**PIT 1 INFORMATION**

Type of Pit System: ON SITE  
Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is: BED AQUIFER

Pit Location Formation: SENORA

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

**PIT 2 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: BED AQUIFER

Pit Location Formation: SENORA

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.

## MULTI UNIT HOLE 1

Section: 24	Township: 8N	Range: 12E	Meridian: IM	Total Length: 10200
County: PITTSBURG				Measured Total Depth: 15500
Spot Location of End Point: SE	SW	SE	SE	True Vertical Depth: 4900
Feet From: <b>SOUTH</b>	1/4 Section Line: 165		End Point Location from	
Feet From: <b>EAST</b>	1/4 Section Line: 800		Lease, Unit, or Property Line: 165	

## NOTES:

Category	Description
HYDRAULIC FRACTURING	<p>7/13/2020 - GC2 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
INCREASED DENSITY – 707350 (201905614)	<p>7/16/2020 - GB6 - 12-8N-12E X671757 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020</p>
INCREASED DENSITY – 707351 (201905615)	<p>7/16/2020 - GB6 - 13-8N-12E X671757 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020</p>
INCREASED DENSITY – 707352 (201905616)	<p>7/16/2020 - GB6 - 24-8N-12E X671206 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020</p>
LOCATION EXCEPTION – 715855 (201905609)	<p>7/16/2020 - GB6 - 12, 13, 24 -8N-12E X671206 WDFD 24-8N-12E X671757 MYES, WDFD 12, 13 -8N-12E SHL 1904' FSL 1998' FEL 12-8N-12E TOP COMPL. INT. 1 (WDFD) (12-8N-12E) 5429' MD 737' FSL, 785' FEL BASE COMPL. INT. 1 (WDFD) (12-8N-12E) 6169' MD 0' FSL, 804' FEL TOP COMPL. INT. 1 (WDFD) (13-8N-12E) 6169' MD 0' FNL, 804' FEL BASE COMPL. INT.1 (WDFD) (13-8N-12E) 9993' MD 1457' FSL, 828' FEL TOP COMPL. INT. 2 (MYES) (13-8N-12E) 10175' MD 1275' FSL, 829' FEL BASE COMPL. INT. 2 (MYES) (13-8N-12E) 10238' MD 1212' FSL, 829' FEL TOP COMPL. INT. 3 (WDFD) (13-8N-12E) 10325' MD 1125' FSL, 828' FEL BASE COMPL. INT. 3 (WDFD) (13-8N-12E) 11450' MD 0' FSL, 815' FEL TOP COMPL. INT. 3 (WDFD) (24-8N-12E) 11450' MD 0' FNL, 815' FEL BASE COMPL. INT. 3 (WDFD) (24-8N-12E) 16570' MD 198' FSL, 797' FEL CALYX ENERGY III, LLC 12/11/2020</p>
SPACING – 671206	<p>7/16/2020 - GB6 - (640)(HOR) 24-8N-12E EST MYES, WDFD, OTHERS COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (MYES, OTHER) NCT 660' FB</p>
SPACING – 671757	<p>7/16/2020 - GB6 - (640)(HOR) 12, 13, -8N-12E EST MYES, WDFD, OTHERS COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (MYES, OTHER) NCT 660' FB</p>

SPACING – 715933 (201905608)

7/16/2020 - GB6 - 12, 13, 24 -8N-12E  
EST MULTIUNIT HORIZONTAL WELL  
X671206 WDFD 24-8N-12E  
X671757 MYES, WDFD 12, 13 -8N-12E  
(MYES ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)  
6.80648% 12-8N-12E  
46.10007% 13-8N-12E  
47.09345% 24-8N-12E  
CALYX ENERGY III, LLC  
12/15/2020

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063 24917 FRANKLIN 2-12-24WH