

API NUMBER: 063 24915 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 2028

Lease Name: FRANKLIN Well No: 4-12-24WH 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
3	HUNTON	269HNTN	4865
4	SYLVAN	203SLVN	4865

Spacing Orders: 671206
671757
677910
707387

Location Exception Orders: 707388

Increased Density Orders: 707350
707351
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: SW SE SE SW				True Vertical Depth: 4900
Feet From: SOUTH		1/4 Section Line: 165		End Point Location from
Feet From: WEST		1/4 Section Line: 2080		Lease, Unit, or Property Line: 165

NOTES:

Category	Description
HYDRAULIC FRACTURING	3/31/2021 - GB6 - OCC 165:10-3-10 REQUIRES: 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN; 2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND THE LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO HYDRAULIC FRACTURING OPERATIONS ON A WELL. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML ; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.O
INCREASED DENSITY – 707350 (201905614)	7/16/2020 - GB6 - 12-8N-12E X671757 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020
INCREASED DENSITY – 707351 (201905615)	7/16/2020 - GB6 - 13-8N-12E X671757 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020
INCREASED DENSITY – 707352 (201905616)	7/16/2020 - GB6 - 24-8N-12E X671206 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020
LOCATION EXCEPTION – 707388 (201905613)	3/31/2021 - GB6 - (I.O.) 12, 13, 24 -8N-12E X671206 MYES, WDFD, HNTN 24-8N-12E X671757 MYES, WDFD, HNTN 12, 13 -8N-12E X677910 SLVN 12, 13, 24 -8N-12E COMPL. INT. (12-8N-12E) NFT 1600' FSL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (13-8N-12E) NCT 0' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (24-8N-12E) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL CALYX ENERGY III, LLC 01/10/2020
SPACING – 671206	7/16/2020 - GB6 - (640)(HOR) 24-8N-12E EST CNEY, MYES, WDFD, HNTN COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (CNEY) NCT 330' FB COMPL. INT. (MYES, HNTN) NCT 660' FB
SPACING – 671757	7/16/2020 - GB6 - (640)(HOR) 12, 13, -8N-12E EST CNEY, MYES, WDFD, HNTN COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (CNEY) NCT 330' FB COMPL. INT. (MYES, HNTN) NCT 660' FB
SPACING – 677910	7/16/2020 - GB6 - (640)(HOR) 12, 13, 24 -8N-12E EXT 671213 SLVN COMPL. INT. NCT 330' FB

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SPACING – 707387 (201905612)

3/31/2021 - GB6 - (I.O.) 12, 13, 24 -8N-12E
EST MULTIUNIT HORIZONTAL WELL
X671206 MYES, WDFD, HNTN 24-8N-12E
X671757 MYES, WDFD, HNTN 12, 13 -8N-12E
X677910 SLVN 12, 13, 24 -8N-12E
(MYES, HNTN, SLVN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD. IN THIS AREA THE
HNTN IS ERRATIC AND THE SLVN SHOULD BE CONSIDERED AN ADJACENT COMMON SOURCE
OF SUPPLY TO WDFD)
10% 12-8N-12E
45% 13-8N-12E
45% 24-8N-12E
CALYX ENERGY III, LLC
01/10/2020