

API NUMBER: 091 21829

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

Approval Date: 03/25/2020

Expiration Date: 09/25/2021

Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 08 Township: 8N Range: 13E County: MCINTOSH

SPOT LOCATION: ☐ SW ☐ NW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 800 2355

Lease Name: TESLA

Well No: 3-17-20WH

Well will be 800 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	MISSISSIPPIAN	359MSSP	4750
2	MAYES	353MYES	4900
3	WOODFORD	319WDFD	5000
4	HUNTON	269HNTN	5065
5	SYLVAN	203SLVN	5065

Spacing Orders: 528400

Location Exception Orders: 707339

Increased Density Orders: 707344

671800

707345

677022

707338

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 15000

Ground Elevation: 865

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 280

Deep surface casing has been approved

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: 20-37329

H. PIT 2 - 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).

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.

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**MULTI UNIT HOLE 1**

Section: 20

Township: 8N

Range: 13E

Total Length: 10230

County: PITTSBURG

Measured Total Depth: 15000

Spot Location of End Point: SE SE SE SW

True Vertical Depth: 5150

Feet From: **SOUTH** 1/4 Section Line: 165End Point Location from
Lease, Unit, or Property Line: 165Feet From: **WEST** 1/4 Section Line: 2400**NOTES:**

Category	Description
DEEP SURFACE CASING	3/17/2020 - 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	3/17/2020 - 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: OCCWEB.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
INCREASED DENSITY – 707344 (201905560)	3/24/2020 - GB6 - 17-8N-13E X528400 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020
INCREASED DENSITY – 707345 (201905562)	3/24/2020 - GB6 - 20-8N-13E X671800 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020
LOCATION EXCEPTION – 707339 (201905555)	3/24/2020 - GB6 - (I.O.) 17 & 20 -8N-13E X528400 MSSP, WDFD, HNTN 17-8N-13E X 671800 MYES, WDFD, HNTN 20-8N-13E X677022 SLVN 17 & 20 -8N-13E COMPL. INT. (17-8N-13E) NCT 165' FNL, NCT 0' FSL, NCT 1500' FWL COMPL. INT. (20-8N-13E) NCT 0' FNL, NCT 165' FSL, NCT 1500' FWL CALYX ENERGY III, LLC 01/09/2020
SPACING – 528400	3/24/2020 - GB6 - (640) 17-8N-13E VAC OTHER EST OTHERS EXT 515955 MSSP, WDFD, HNTN, OTHERS
SPACING – 671800	3/24/2020 - GB6 - (640)(HOR) 20-8N-13E EST MYES, WDFD, HNTN, OTHER COMPL. INT. (WDFD) NCT 165' FNL, NCT 15' FSL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (MYES, HNTN) NCT 660' FB
SPACING – 677022	3/24/2020 - GB6 - (640)(HOR) 17, 20 -8N-13E EXT 671803 SLVN COMPL. INT. NCT 330' FB

This permit does not address the right of entry or settlement of surface damages.

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SPACING – 707338 (201905554)	3/24/2020 - GB6 - (I.O.) 17 & 20 -8N-13E EST MULTIUNIT HORIZONTAL WELL X528400 MSSP, WDFD, HNTN 17-8N-13E X671800 MYES, WDFD, HNTN 20-8N-13E X677022 SLVN 17 & 20 -8N-13E (MSSP, 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 SOURCE OF SUPPLY) 50% 17-8N-13E 50% 20-8N-13E CALYX ENERGY III, LLC 01/09/2020
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