

API NUMBER: 091 21826 A

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

Approval Date: 11/01/2019
Expiration Date: 05/01/2021

Multi Unit Oil & Gas

Amend reason: OCC CORRECTION UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 07 Township: 8N Range: 13E County: MCINTOSH

SPOT LOCATION: ☐ NE ☐ SW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 647 1824

Lease Name: EDISON Well No: 4-18-19WH Well will be 647 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 N 394
DUSTIN OK 74839

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

	Name	Code	Depth
1	CANEY	354CNEY	4500
2	MAYES	353MYES	4750
3	WOODFORD	319WDFD	4850
4	HUNTON	269HNTN	4900
5	SYLVAN	203SLVN	4900

Spacing Orders: 672567 Location Exception Orders: 703324 Increased Density Orders: 705222
677022 705099
674734 709314
703323 709315

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 15350 Ground Elevation: 937

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 190

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: 19-36987
H. PIT 2 - WMB/CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDIFIED AND HELD UNTIL DISPOSAL APPROVED BY

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is: NON HSA

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: ON SITE

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is: NON HSA

Pit Location Formation: SENORA

MULTI UNIT HOLE 1

Section: 19

Township: 8N

Range: 13E

Total Length: 10395

County: PITTSBURG

Measured Total Depth: 15350

Spot Location of End Point: SW SE SW SW

True Vertical Depth: 5000

Feet From: **SOUTH**

1/4 Section Line: 165

End Point Location from

Feet From: **WEST**

1/4 Section Line: 675

Lease, Unit, or Property Line: 165

NOTES:

Category	Description
HYDRAULIC FRACTURING	10/22/2019 - GC2 - 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 ; 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 - 705099 (201904206)	3/9/2020 - GC2 - 19-8N-13E X674734 WDFD 3 WELLS NO OP. NAMED 11-12-2019
INCREASED DENSITY - 705222 (201904205)	3/9/2020 - GC2 - 18-8N-13E X672567 WDFD 3 WELLS NO OP. NAMED 11-15-2019
INCREASED DENSITY - 709314 (201904205)	3/9/2020 - GC2 - 18-8N-13E X672567 MYES 2 WELLS NO OP. NAMED 2-28-2020
INCREASED DENSITY - 709315 (201904206)	3/9/2020 - GC2 - 19-8N-13E X674734 MYES 2 WELLS NO OP. NAMED 2-28-2020
LOCATION EXCEPTION - 703324	10/30/2019 - GC2 - (I.O.) 18 & 19-8N-13E X672567 CNEY, MYES, WDFD, HNTN 18-8N-13E X677022 SLVN 18-8N-13E X674734 CNEY, MYES, WDFD, HNTN, SLVN 19-8N-13E COMPL. INT. (18-8N-13E) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (19-8N-13E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL CALYX ENERGY III, LLC 10-7-2019
SPACING - 672567	10/30/2019 - GC2 - (640)(HOR) 18-8N-13E EST CNEY, MYES, WDFD, HNTN COMPL. INT. (CNEY) NLT 330' FB COMPL. INT. (MYES, HNTN) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST SP ORDER 507804 CNEY, WDFD, HNTN)

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.

SPACING - 674734	10/30/2019 - GC2 - (640)(HOR) 19-8N-13E EST CNEY, MYES, WDFD, HNTN, SLVN COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL COMPL. INT. (CNEY, SLVN) NLT 330' FB COMPL. INT. (MYES, HNTN) NLT 660' FB (COEXIST SP ORDER 515955 CNEY, WDFD, HNTN)
SPACING - 677022	10/30/2019 - GC2 - (640)(HOR) 18-8N-13E EXT 671803 SLVN COMPL. INT (SLVN) NLT 330' FB
SPACING - 703323	10/30/2019 - GC2 - (I.O.) 18 & 19-8N-13E EST MULTIUNIT HORIZONTAL WELL X672567 CNEY, MYES, WDFD, HNTN 18-8N-13E X677022 SLVN 18-8N-13E X674734 CNEY, MYES, WDFD, HNTN, SLVN 19-8N-13E (CNEY, HNTN, SLVN ASSOCIATED COMMON SOURCE OF SUPPLY TO MYES, WDFD) 50% 18-8N-13E 50% 19-8N-13E CALYX ENERGY III, LLC 10-7-2019

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.
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Office of the Conservation Division as to when Surface Casing will be run.

091 21826 EDISON 4-18-19WH