API NUMBER: 121 24922

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

Approval Date: 10/04/2022
Expiration Date: 04/04/2024

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 07 Township: 7N Range: 13E County: PITTSBURG

SPOT LOCATION: SE SE SE SE FEET FROM QUARTER: FROM **SOUTH** FROM **EAST**
SECTION LINES: **240** **91**

Lease Name: **NICKLAUS** **Well No:** **2-7-6WH** **Well will be** **91** **feet from nearest unit or lease boundary.**

Operator Name: **CALYX ENERGY III LLC** Telephone: 9189494224 OTC/OCC Number: 23515 0

CALYX ENERGY III LLC
TULSA, OK 74136-4226

LOGAN SANDERS
230 WOLFHUNTERS LANE
MCALESTER OK 74501

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

	Name	Code	Depth
1	MAYES	353MYES	4725
2	WOODFORD	319WDFD	4850
3	HUNTON	269HNTN	4925
4	SYLVAN	203SLVN	4950

Spacing Orders: 724862, 723647, 725609

Location Exception Orders: 725542

Increased Density Orders: 727076, 727077

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 15500 Ground Elevation: 707 **Surface Casing: 950** Depth to base of Treatable Water-Bearing FM: 260

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: 22-38596
H. (Other) PIT 2 - CONCRETE LINED PIT 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 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: STUART

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: C
Liner not required for Category: C
Pit Location is: NON HSA
Pit Location Formation: STUART

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: 6 Township: 7N Range: 13E Meridian: IM

County: PITTSBURG

Spot Location of End Point: NW NE NE NE

Feet From: **NORTH** 1/4 Section Line: 165

Feet From: **EAST** 1/4 Section Line: 600

Total Length: 10230

Measured Total Depth: 15500

True Vertical Depth: 6000

End Point Location from Lease,Unit, or Property Line: 165

NOTES:

Category	Description
DEEP SURFACE CASING	[9/29/2022 - GC2] - 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	[9/29/2022 - GC2] - 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 LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. 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, FOUND AT FRACFOCUS.ORG
INCREASED DENSITY - 727076	[10/3/2022 - GB1] - 6-7N-13E X724862 WDFD 3 WELLS CALYX ENERGY III, LLC 7/22/2022
INCREASED DENSITY - 727077	[10/3/2022 - GB1] - 7-7N-13E X723647 WDFD 3 WELLS CALYX ENERGY III, LLC 7/22/2022
LOCATION EXCEPTION - 725542	[10/3/2022 - GB1] - (I.O.) 6 & 7-7N-13E X724862 MYES, WDFD, HNTN, SLVN 6-7N-13E X723647 MYES, WDFD, HNTN, SLVN 7-7N-13E COMPL INT (6-7N-13E) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL INT (7-7N-13E) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL CALYX ENERGY III, LLC 5/16/2022
SPACING - 723647	[10/3/2022 - GB1] - (640)(HOR) 7-7N-13E VAC 166123 MYES, WDFD, SLVN, OTHER EXT 598520 MYES, WDFD, HNTN, SLVN, OTHER COMPL INT (MYES, HNTN) NCT 660' FB COMPL INT (SLVN) NCT 330' FB COMPL INT (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL
SPACING - 724862	[10/3/2022 - GB1] - (640)(HOR) 6-7N-13E EXT 714384 MYES, WDFD, HNTN, SLVN, OTHER COMPL INT (MYES, HNTN) NCT 660' FB COMPL INT (SLVN) NCT 330' FB COMPL INT (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL
SPACING - 725609	[10/3/2022 - GB1] - (I.O.) 6 & 7-7N-13E EST MULTIUNIT HORIZONTAL WELL X724862 MYES, WDFD, HNTN, SLVN 6-7N-13E X723647 MYES, WDFD, HNTN, SLVN 7-7N-13E (MYES, HNTN, SLVN ADJ CSS TO WDFD) 50% 6-7N-13E 50% 7-7N-13E NO OP NAMED 5/18/2022

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.

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