

API NUMBER: 121 24902

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

Approval Date: 06/28/2022
Expiration Date: 12/28/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 04 Township: 7N Range: 13E County: PITTSBURG

SPOT LOCATION: ☐ SE ☐ NW ☐ SE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 1790 1690

Lease Name: FORE Well No: 2-4-28WH Well will be 1690 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

ALAN L & CHRISTY R EPPS

682 BYINGTON SCHOOL RD

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: 723646
723578
671803
725950

Location Exception Orders: 725951

Increased Density Orders: 725886
725887

Pending CD Numbers: 202201138

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 15500 Ground Elevation: 721

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 270

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: 22-38393
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 located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is: AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

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 located in a Hydrologically Sensitive Area.

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is: AP/TE DEPOSIT

Pit Location Formation: TERRACE

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: 28	Township: 8N	Range: 13E	Meridian: IM	Total Length: 11000
County: PITTSBURG				Measured Total Depth: 15500
Spot Location of End Point: NE NW NE NW				True Vertical Depth: 7000
Feet From: NORTH		1/4 Section Line: 165		End Point Location from
Feet From: WEST		1/4 Section Line: 1800		Lease, Unit, or Property Line: 165

NOTES:

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.

Category	Description
HYDRAULIC FRACTURING	<p>[6/15/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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 6000NH shall be used and is found at this link: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>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</p>
INCREASED DENSITY - 725886	<p>[6/28/2022 - GC2] - 28-8N-13E X671803 WDFD 3 WELLS CALYX ENERGY III, LLC 6/1/2022</p>
INCREASED DENSITY - 725887	<p>[6/28/2022 - GC2] - 33-8N-13E X723578 WDFD 3 WELLS CALYX ENERGY III, LLC 6/1/2022</p>
LOCATION EXCEPTION - 725951	<p>[6/28/2022 - GC2] - (I.O.) 4-7N-13E, 28 & 33-8N-13E X723646 MYES, WDFD, HNTN, SLVN 4-7N-13E X723578 MYES, WDFD, HNTN, SLVN 33-8N-13E X671803 MYES, WDFD, HNTN, SLVN 28-8N-13E COMPL. INT. (4-7N-13E) NCT 2640' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (33-8N-13E) NCT 0' FNL, NCT 0' FWL, NCT 1320' FWL COMPL. INT. (28-8N-13E) NCT 165' FNL, NCT 0' FSL, NCT 1320' FWL CALYX ENERGY III, LLC 6/3/2022</p>
PENDING CD - 2022-001138	<p>[6/28/2022 - GC2] - 4-7N-13E X723646 WDFD 7 WELLS NO OP NAMED REC. 5/16/2022 (MOORE)</p>
SPACING - 671803	<p>[6/28/2022 - GC2] - (640)(HOR) 28-8N-13E EST MYES, WDFD, HNTN, SLVN, OTHER COMPL. INT. (MYES, HNTN) NLT 660' FB COMPL. INT. (SLVN, OTHER) NLT 330' FB COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST SP. ORDER # 546604 WDFD, SLVN, OTHER, COEXIST SP. ORDER # OTHERS)</p>
SPACING - 723578	<p>[6/28/2022 - GC2] - (640)(HOR) 33-8N-13E EXT 671803 MYES, WDFD, HNTN, SLVN, OTHER COMPL. INT. (MYES, HNTN) NLT 660' FB COMPL. INT. (SLVN, OTHER) NLT 330' FB COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL</p>
SPACING - 723646	<p>[6/28/2022 - GC2] - (640)(HOR) 4-7N-13E EST MYES, WDFD, HNTN, SLVN, OTHER COMPL. INT. (MYES, HNTN) NLT 660' FB COMPL. INT. (SLVN, OTHER) NLT 330' FB COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL</p>
SPACING - 725950	<p>[6/28/2022 - GC2] - (I.O.) 4-7N-13E, 28 & 33-8N-13E EST MULTIUNIT HORIZONTAL WELL X723646 MYES, WDFD, HNTN, SLVN 4-7N-13E X723578 MYES, WDFD, HNTN, SLVN 33-8N-13E X671803 MYES, WDFD, HNTN, SLVN 28-8N-13E (MYES, HNTN, SLVN ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 10% 4-7N-13E 45% 33-7N-13E 45% 28-7N-13E NO OP NAMED 6/3/2022</p>

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.

121 24902 FORE 2-4-28WH