

API NUMBER: 121 24898

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

Approval Date: 05/24/2022
Expiration Date: 11/24/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 05 Township: 7N Range: 13E County: PITTSBURG

SPOT LOCATION: ☐ SE ☐ SE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 1148 2433

Lease Name: EAGLE Well No: 3-5-29WH Well will be 1148 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

STONE MOUNTAIN HUNTING CLUB LLC
33315 S 321ST STREET WEST
BRISTOW OK 74010

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

| | Name | Code | Depth |
|---|----------|---------|-------|
| 1 | MAYES | 353MYES | 4700 |
| 2 | WOODFORD | 319WDFD | 4775 |
| 3 | HUNTON | 269HNTN | 4845 |
| 4 | SYLVAN | 203SLVN | 4845 |

Spacing Orders: 724863 Location Exception Orders: 725369 Increased Density Orders: 724856
720707 725557
725623

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 15500 Ground Elevation: 964 Surface Casing: 500 Depth to base of Treatable Water-Bearing FM: 320

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: 22-38338
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: 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: 29 | Township: 8N | Range: 13E | Meridian: IM | Total Length: 11000 |
| County: PITTSBURG | | | | Measured Total Depth: 15500 |
| Spot Location of End Point: NE | NW | NW | NE | True Vertical Depth: 4900 |
| Feet From: NORTH | 1/4 Section Line: 165 | | End Point Location from | |
| Feet From: EAST | 1/4 Section Line: 2280 | | Lease, Unit, or Property Line: 165 | |

NOTES:

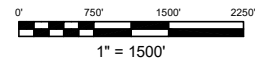
| Category | Description |
|-----------------------------|--|
| HYDRAULIC FRACTURING | <p>[5/23/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 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 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.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 - 724856 | <p>[5/24/2022 - G56] - (I.O.) 29 & 32-8N-13E X720707 WDFD 3 WELLS CALYX ENERGY III, LLC 4/13/2022</p> |
| INCREASED DENSITY - 725557 | <p>[5/24/2022 - G56] - (I.O.) 5-7N-13E X724863 WDFD 2 WELLS CALYX ENERGY III, LLC 5/16/2022</p> |
| LOCATION EXCEPTION - 725369 | <p>[5/24/2022 - G56] - (I.O.) 5-7N-13E, 29 & 32-8N-13E X724863 MYES, WDFD, HNTN, SLVN 5-7N-13E X720707 MYES, WDFD, SLVN 29 & 32-8N-13E COMPL INT (5-7N-13E) NCT 2640' FSL, NCT 0' FNL, NCT 1320' FEL COMPL INT (29 & 32-8N-13E) NCT 165' FNL, NCT 0' FSL, NCT 1320' FEL CALYX ENERGY III, LLC 5/6/2022</p> |
| SPACING - 720707 | <p>[5/24/2022 - G56] - (1280)(HOR) 29 & 32-8N-13E EST MYES, WDFD, SLVN, OTHER COMPL INT (MYES) NLT 660' FB COMPL INT (SLVN) NLT 330' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST WITH SP # 590132 MYES, WDFD, SLVN; # 544573 WDFD)</p> |
| SPACING - 724863 | <p>[5/24/2022 - G56] - (640)(HOR) 5-7N-13E EXT 714384 MYES, WDFD, HNTN, SLVN COMPL INT (MYES, HNTN) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL COMPL INT (SLVN) NLT 330' FB</p> |
| SPACING - 725623 | <p>[5/24/2022 - G56] - (I.O.) 5-7N-13E, 29 & 32-8N-13E EST MULTIUNIT HORIZONTAL WELL X724863 MYES, WDFD, HNTN, SLVN 5-7N-13E X720707 MYES, WDFD, SLVN 29 & 32-8N-13E (MYES, HNTN, SLVN ARE ADJACENT CSS TO WDFD) 5% 5-7N-13E 95% 29 & 32-8N-13E NO OP NAMED 5/18/2022</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.

Operator: CALYX ENERGY III, LLC
Lease Name and No.: EAGLE 3-5-29WH
Surface Hole Location: 1148' FNL - 2433' FWL Gr. Elevation: 964'
SE/4-SE/4-NE/4-NW/4 Section: 5 Township: 7N Range: 13E I.M.
Bottom Hole Location: 165' FNL - 2280' FEL
NE/4-NW/4-NW/4-NE/4 Section: 29 Township: 8N Range: 13E I.M.
County: Pittsburg State of Oklahoma
Terrain at Loc.: Location fell on hill top in timber, hill slopes down on East side of location.



All bearings shown
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°06'47.41"N
Lon: 95°57'26.86"W
Lat: 35.11316844
Lon: -95.95746010
X: 2579345.00
Y: 653915.09

Surface Hole Loc.:
Lat: 35°06'47.06"N
Lon: 95°57'25.86"W
Lat: 35.11307303
Lon: -95.95718328
X: 2610942.65
Y: 653863.67

Point of Entry:
Lat: 35°06'50.84"N
Lon: 95°57'20.31"W
Lat: 35.11412128
Lon: -95.95564160
X: 2579881.75
Y: 654272.84

Point of Entry:
Lat: 35°06'50.49"N
Lon: 95°57'19.31"W
Lat: 35.11402583
Lon: -95.95536484
X: 2611479.39
Y: 654221.39

Bottom Hole Loc.:
Lat: 35°08'41.57"N
Lon: 95°57'20.39"W
Lat: 35.14488194
Lon: -95.95566480
X: 2579648.07
Y: 665466.62

Bottom Hole Loc.:
Lat: 35°08'41.23"N
Lon: 95°57'19.40"W
Lat: 35.14478588
Lon: -95.95538793
X: 2611245.73
Y: 665414.65

-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.
-NOTE: X and Y data shown hereon for Section Corners may NOT have been observed by this surveyor. They may have been observed by a previous surveyor. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

Survey and plat by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2022

Invoice #9917-A-C
Date Staked: 03/22/2022 By: H.S.
Date Drawn: 03/23/2022 By: J.L.
Revised SHL: 03/28/2022 By: J.L.
Revised SHL: 03/29/2022 By: J.L.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis
LANCE G. MATHIS

03/29/2022

OK LPLS 1664

