

API NUMBER: 121 24899 A

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

Horizontal Hole Oil & Gas

Amend reason: UPDATE SHL

**AMEND 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: 1090 2476

Lease Name: EAGLE Well No: 1-32-29WH Well will be 1090 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: 720707

Location Exception Orders: 724728

Increased Density Orders: 724856

Pending CD Numbers: No Pending

Working interest owners' notified: \*\*\*

Special Orders: No Special

Total Depth: 14700 Ground Elevation: 960

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.

# HORIZONTAL HOLE 1

Section: 29      Township: 8N      Range: 13E      Meridian: IM      Total Length: 10230  
                          County: PITTSBURG      Measured Total Depth: 14700  
 Spot Location of End Point: NE      NW      NE      NE      True Vertical Depth: 4900  
                          Feet From: **NORTH**      1/4 Section Line: 165      End Point Location from  
                          Feet From: **EAST**      1/4 Section Line: 900      Lease, Unit, or Property Line: 165

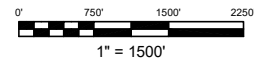
## NOTES:

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 6000NH shall be used and is found at this link: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
INCREASED DENSITY - 724856	<p>[5/24/2022 - G56] - (I.O.) 29 &amp; 32-8N-13E  X720707 WDFD  3 WELLS  CALYX ENERGY III, LLC  4/13/2022</p>
LOCATION EXCEPTION - 724728	<p>[5/24/2022 - G56] - (I.O.) 29 &amp; 32-8N-13E  X720707 MYES, WDFD, SLVN  COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 330' FEL  CALYX ENERGY III, LLC  4/6/2022</p>
SPACING - 720707	<p>[5/24/2022 - G56] - (1280)(HOR) 29 &amp; 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>

Operator: CALYX ENERGY LLC  
Lease Name and No.: EAGLE 1-32-29WH  
Surface Hole Location: 1090' FNL - 2476' FWL Gr. Elevation: 960'  
SE/4-SE/4-NE/4-NW/4 Section: 5 Township: 7N Range: 13E I.M.  
Bottom Hole Location: 165' FNL - 900' FEL  
NE/4-NW/4-NE/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°06'47.99"N  
Lon: 95°57'26.33"W  
Lat: 35.11332981  
Lon: -95.95731425  
X: 2579387.43  
Y: 653974.70

Surface Hole Loc.:  
Lat: 35°06'47.64"N  
Lon: 95°57'25.33"W  
Lat: 35.11323491  
Lon: -95.95703744  
X: 2610985.08  
Y: 653923.27

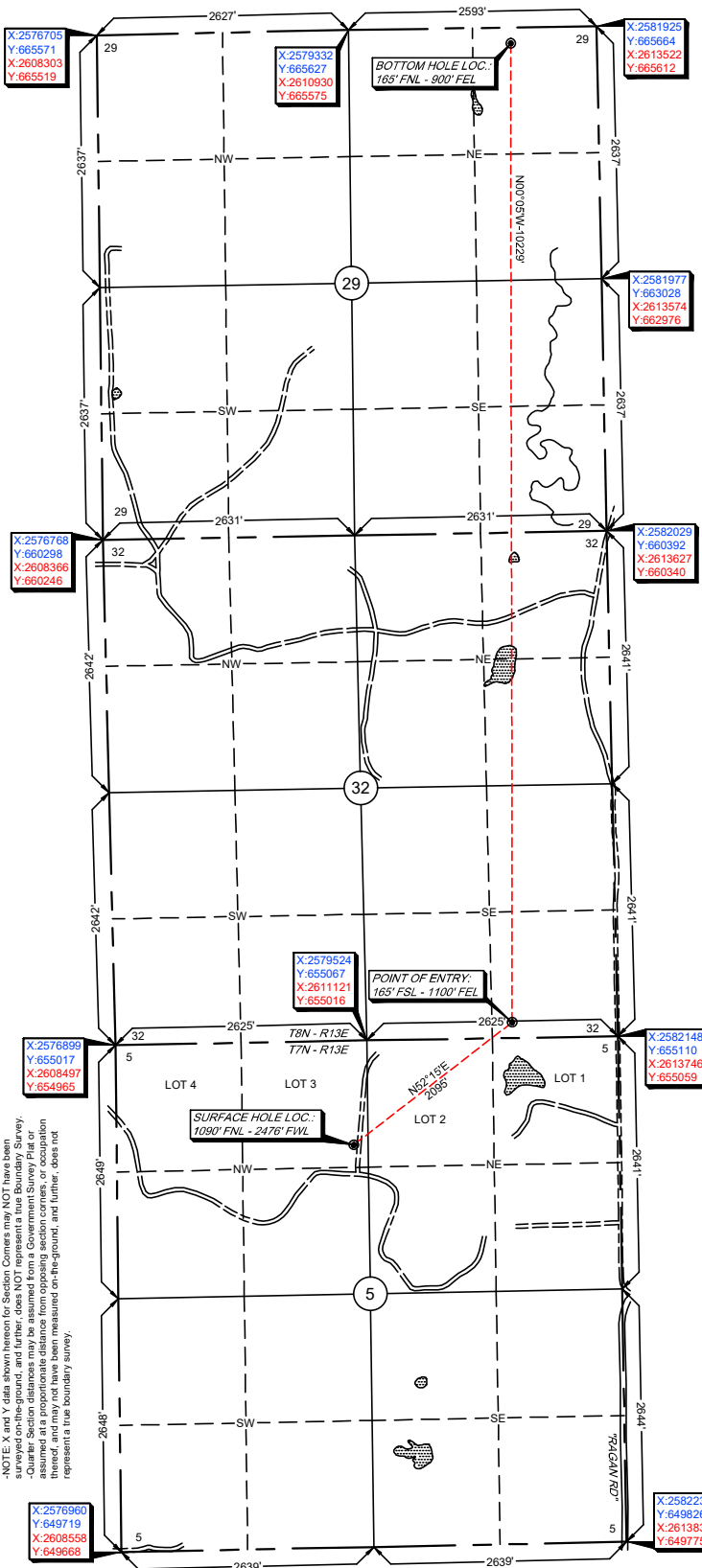
Point of Entry:  
Lat: 35°07'00.34"N  
Lon: 95°57'06.08"W  
Lat: 35.11676047  
Lon: -95.95168850  
X: 2581044.30  
Y: 655257.21

Point of Entry:  
Lat: 35°06'59.99"N  
Lon: 95°57'05.08"W  
Lat: 35.11666493  
Lon: -95.95141186  
X: 2612641.94  
Y: 655205.71

Bottom Hole Loc.:  
Lat: 35°08'41.50"N  
Lon: 95°57'03.78"W  
Lat: 35.14485974  
Lon: -95.95104893  
X: 2581027.95  
Y: 665486.52

Bottom Hole Loc.:  
Lat: 35°08'41.15"N  
Lon: 95°57'02.78"W  
Lat: 35.14476363  
Lon: -95.95077220  
X: 2612625.60  
Y: 665434.54

-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 surveyed, but are assumed to be correct based on 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

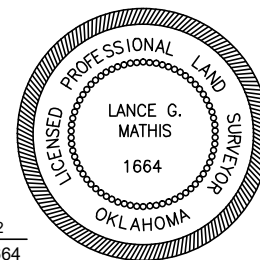
Certification:

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

05/23/2022

OK LPLS 1664



Invoice #9917-B-D

Date Staked: 05/19/2022

By: H.S.

Date Drawn: 05/23/2022

By: J.L.