

API NUMBER: 121 24903

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 1705

Lease Name: FORE Well No: 3-4-28WH Well will be 1705 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
725952

Location Exception Orders: 725953

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: 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: 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 NW NE				True Vertical Depth: 8000
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>[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 - 725953	<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' FEL COMPL. INT. (33-8N-13E) NCT 0' FNL, NCT 0' FWL, NCT 1320' FEL COMPL. INT. (28-8N-13E) NCT 165' FNL, NCT 0' FSL, NCT 1320' FEL 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 - 725952	<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 24903 FORE 3-4-28WH



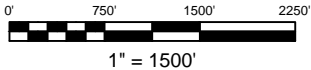
Well Location Plat

S.H.L. Sec. 4-7N-13E I.M.
B.H.L. Sec. 28-8N-13E I.M.

Operator: CALYX ENERGY III, LLC
Lease Name and No.: FORE 3-4-28WH
Surface Hole Location: 1790' FNL - 1705' FWL Gr. Elevation: 721'
SE/4-NW/4-SE/4-NW/4 Section: 4 Township: 7N Range: 13E I.M.
Bottom Hole Location: 165' FNL - 2280' FEL
LOT 2 Section: 28 Township: 8N Range: 13E I.M.
County: Pittsburg State of Oklahoma
Terrain at Loc.: Location fell on open pasture with a slope to the North.



All bearings shown
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°06'40.91"N
Lon: 95°56'32.39"W
Lat: 35.11136338
Lon: -95.94233100
X: 2583882.30
Y: 653350.12

Surface Hole Loc.:
Lat: 35°06'40.56"N
Lon: 95°56'31.40"W
Lat: 35.11126784
Lon: -95.94205469
X: 2615479.91
Y: 653298.68

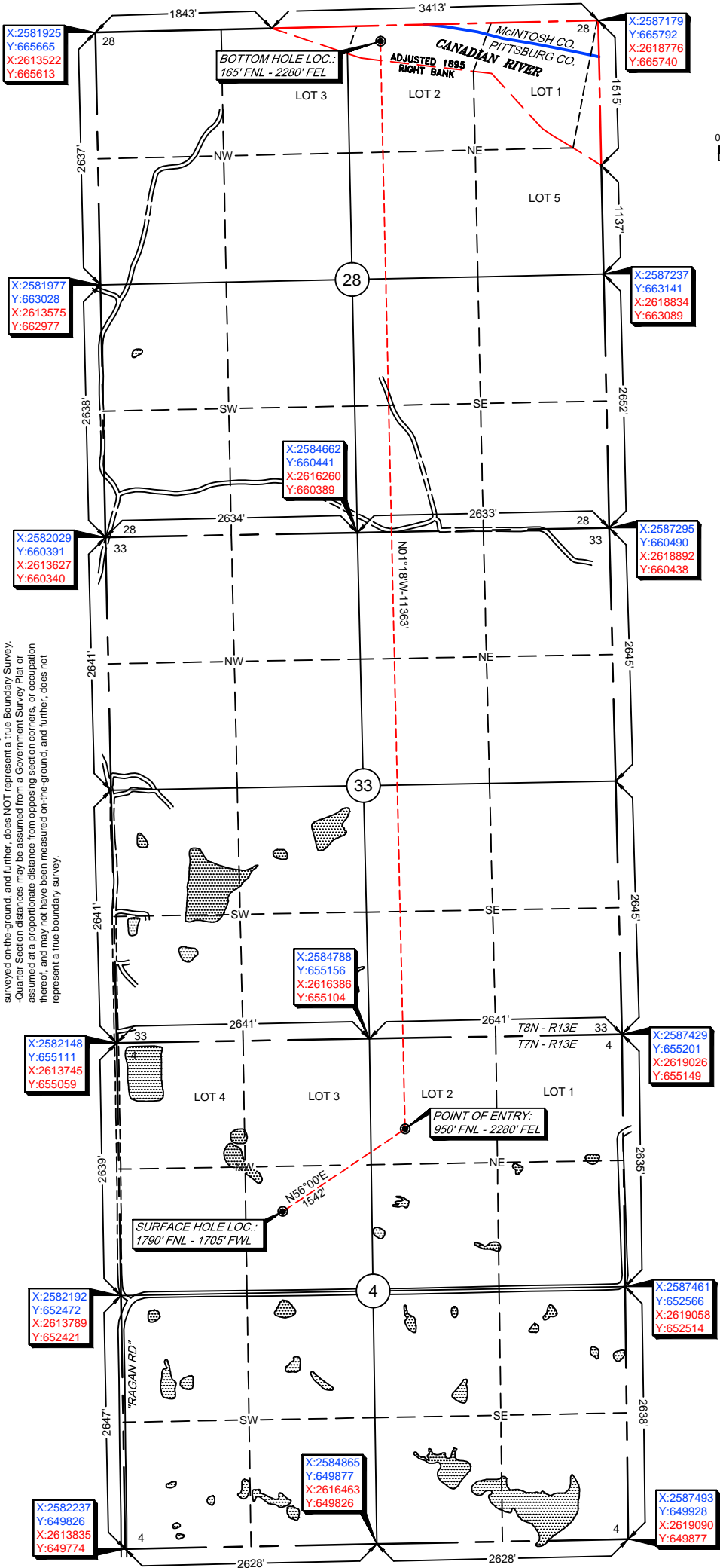
Point of Entry:
Lat: 35°06'49.17"N
Lon: 95°56'16.80"W
Lat: 35.11365946
Lon: -95.93799954
X: 2585160.45
Y: 654212.10

Point of Entry:
Lat: 35°06'48.83"N
Lon: 95°56'15.80"W
Lat: 35.11356383
Lon: -95.93772336
X: 2616758.05
Y: 654160.61

Bottom Hole Loc.:
Lat: 35°08'41.56"N
Lon: 95°56'17.10"W
Lat: 35.14487762
Lon: -95.93808418
X: 2584903.05
Y: 665571.95

Bottom Hole Loc.:
Lat: 35°08'41.21"N
Lon: 95°56'16.11"W
Lat: 35.14478140
Lon: -95.93780787
X: 2616500.67
Y: 665519.94

-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 on-the-ground, and further, does NOT represent a true Boundary Survey. 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

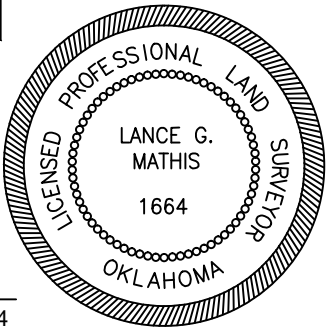
Certification:

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

05/10/2022

OK LPLS 1664



Invoice #9976-A-C

Date Staked: 05/03/2022

By: Z.D.

Date Drawn: 05/10/2022

By: M.K.