

API NUMBER: 063 24926

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

Approval Date: 04/30/2021
Expiration Date: 10/30/2022

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 10 Township: 8N Range: 12E County: HUGHES

SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 199 2265

Lease Name: RAPUNZEL Well No: 2-10-3WH Well will be 199 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

MIDDLE CREEK RANCH
2798 N 394 RD
DUSTIN OK 74839

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

	Name	Code	Depth
1	MAYES	353MYES	4670
2	WOODFORD	319WDFD	4770
3	SYLVAN	203SLVN	4820

Spacing Orders: 675449 Location Exception Orders: 717715 Increased Density Orders: 717765
671213 717764
717714

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 15500 Ground Elevation: 670

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 40

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: 21-37598
H. (Other) SEE MEMO

PIT 1 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

PIT 2 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).

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: 3	Township: 8N	Range: 12E	Meridian: IM	Total Length: 9910
County: HUGHES				Measured Total Depth: 15500
Spot Location of End Point: NE NW NW NE				True Vertical Depth: 6000
Feet From: NORTH		1/4 Section Line: 165		End Point Location from
Feet From: EAST		1/4 Section Line: 2100		Lease, Unit, or Property Line: 165

NOTES:

Category	Description
DEEP SURFACE CASING	[4/28/2021 - 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	<p>[4/27/2021 - G56] - 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 - 717764	<p>[4/30/2021 - G56] - 3-8N-12E X675449 WDFD 3 WELLS CALYX ENERGY III, LLC 4/14/2021</p>
INCREASED DENSITY - 717765	<p>[4/30/2021 - G56] - 10-8N-12E X671213 WDFD 3 WELLS CALYX ENERGY III, LLC 4/14/2021</p>
LOCATION EXCEPTION - 717715	<p>[4/30/2021 - G56] - (I.O.) 3 & 10-8N-12E X675449 MYES, WDFD, SLVN 3-8N-12E X671213 MYES, WDFD, SLVN 10-8N-12E COMPL INT (10-8N-12E) NCT 0' FNL, NCT 165' FSL, NCT 1320' FEL COMPL INT (3-8N-12E) NCT 0' FSL, NCT 165' FNL, NCT 1320' FEL CALYX ENERGY III, LLC 4/12/2021</p>
MEMO	[4/28/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 671213	<p>[4/30/2021 - G56] - (640)(HOR) 10-8N-12E VAC 526241 MSSP, WDFD EST MYES, WDFD, SLVN COMPL INT (MYES) NCT 660' FB COMPL INT (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL COMPL INT (SLVN) NCT 330' FB</p>
SPACING - 675449	<p>[4/30/2021 - G56] - (640)(HOR) 3-8N-12E VAC 502679 MSSP EXT 671213 MYES, WDFD, SLVN, OTHER COMPL INT (MYES) NCT 660' FB COMPL INT (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL COMPL INT (SLVN) NCT 330' FB (COEXIST WITH SP # 502679 WDFD)</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.

SPACING - 717714

[4/30/2021 - G56] - (I.O.) 3 & 10-8N-12E
EST MULTIUNIT HORIZONTAL WELL
X675449 MYES, WDFD, SLVN 3-8N-12E
X671213 MYES, WDFD, SLVN 10-8N-12E
(MYES, SLVN ARE ADJACENT CSS TO WDFD)
50% 3-8N-12E
50% 10-8N-12E
NO OP NAMED
4/12/2021

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.

063 24926 RAPUNZEL 2-10-3WH



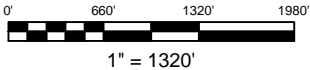
Well Location Plat

S.H.L. Sec. 10-8N-12E I.M.
B.H.L. Sec. 3-8N-12E I.M.

Operator: CALYX ENERGY III, LLC
Lease Name and No.: RAPUNZEL 2-10-3WH
Surface Hole Location: 199' FSL - 2265' FEL Pad Elevation: 670'
SE/4-SW/4-SW/4-SE/4 Section: 10 Township: 8N Range: 12E I.M.
Bottom Hole Location: 165' FNL - 2100' FEL
NE/4-NW/4-NW/4-NE/4 Section: 3 Township: 8N Range: 12E I.M.
County: Hughes State of Oklahoma
Terrain at Loc.: Location falls on existing level pad site, in timber, hill on NE side of location.

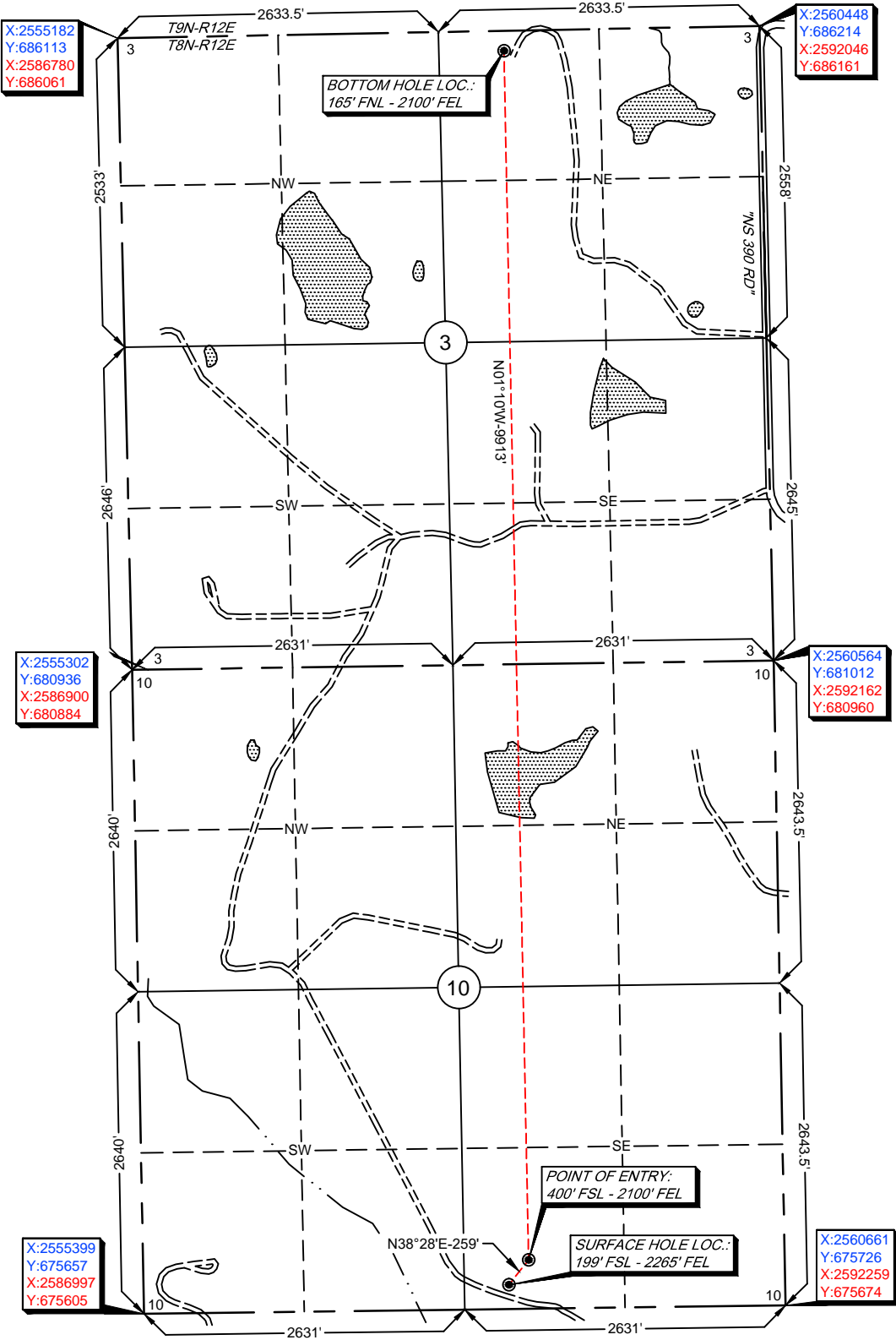


All bearings shown are grid bearings.



GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°10'28.88"N
Lon: 96°01'33.83"W
Lat: 35.17468993
Lon: -96.02606418
X: 2558392.96
Y: 675895.23
Surface Hole Loc.:
Lat: 35°10'28.54"N
Lon: 96°01'32.83"W
Lat: 35.17459446
Lon: -96.02578514
X: 2589990.73
Y: 675843.12
Point of Entry:
Lat: 35°10'30.86"N
Lon: 96°01'31.84"W
Lat: 35.17523905
Lon: -96.02551129
X: 2558554.26
Y: 676098.30
Point of Entry:
Lat: 35°10'30.52"N
Lon: 96°01'30.84"W
Lat: 35.17514355
Lon: -96.02523226
X: 2590152.03
Y: 676046.18
Bottom Hole Loc.:
Lat: 35°12'08.90"N
Lon: 96°01'31.94"W
Lat: 35.20247278
Lon: -96.02553983
X: 2558351.84
Y: 686008.92
Bottom Hole Loc.:
Lat: 35°12'08.56"N
Lon: 96°01'30.94"W
Lat: 35.20237675
Lon: -96.02526073
X: 2589949.61
Y: 685956.34



-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

Invoice #9075-B-E
Date Staked: 04/14/2021 By: D.W.
Date Drawn: 04/19/2021 By: S.S.

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

04/20/2021

OK LPLS 1664

