

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

API NUMBER: 063 24911

Approval Date: 03/27/2020

Expiration Date: 09/27/2021

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 14 Township: 8N Range: 12E County: HUGHES

SPOT LOCATION: ☐ SE ☐ NW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 665 1667

Lease Name: HAMILTON Well No: 4-14-26WH Well will be 665 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 LLC
2798 NORTH 394
DUSTIN OK 74839

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

	Name	Code	Depth
1	MAYES	353MYES	4700
2	WOODFORD	319WDFD	4800
3	HUNTON	269HNTN	4865
4	SYLVAN	203SLVN	4865

Spacing Orders: 670971 Location Exception Orders: 709283 Increased Density Orders: 707348
671206 707349
671757
677910

Pending CD Numbers: 201905902 Special Orders: No Special Orders
201905904

Total Depth: 15500 Ground Elevation: 670 Surface Casing: 750 Depth to base of Treatable Water-Bearing FM: 60

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Deep surface casing has been approved

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: 20-37330
H. PIT 2 - CLOSED SYSTEM=STEEL PITS 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: ALLUVIAL

Pit Location Formation: ALLUVIUM

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.

PIT 2 INFORMATION**Type of Pit System:** CLOSED Closed System Means Steel Pits**Category of Pit:** C**Liner not required for Category:** C**Type of Mud System:** WATER BASED**Pit Location is:** ALLUVIAL

Chlorides Max: 8000 Average: 5000

Pit Location Formation: ALLUVIUM

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.**MULTI UNIT HOLE 1**

Section: 26 Township: 8N Range: 12E

Total Length: 10200

County: HUGHES

Measured Total Depth: 15500

Spot Location of End Point: SE SW SW SW

True Vertical Depth: 4950

Feet From: **SOUTH** 1/4 Section Line: 165

End Point Location from

Feet From: **WEST** 1/4 Section Line: 400

Lease, Unit, or Property Line: 165

NOTES:

Category	Description
DEEP SURFACE CASING	3/18/2020 - G71 - 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	3/18/2020 - G71 - OCC 165:10-3-10 REQUIRES: 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCWEB.COM/OG/OGFORMS.HTML ; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG
INCREASED DENSITY – 707348 (201905606)	3/26/2020 - GB6 - 23-8N-12E X671206 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020
INCREASED DENSITY – 707349 (201905607)	3/26/2020 - GB6 - 26-8N-12E X670971 WDFD 3 WELLS CALYX ENERGY III, LLC 01/09/2020
LOCATION EXCEPTION – 709283 (201905903)	3/26/2020 - GB6 - (I.O.) 14, 23, 26 -8N-12E X671757 MYES, WDFD, HNTN 14-8N-12E X671206 MYES, WDFD, HNTN 23-8N-12E X670971 MYES, WDFD, HNTN 26-8N-12E X677910 SLVN 14, 23, 26 -8N-12E COMPL. INT. (14-8N-12E) NCT 165' FSL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (23-8N-12E) NCT 0' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (26-8N-12E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL CALYX ENERGY III, LLC 02/27/2020
PENDING CD - 201905904	3/26/2020 - GB6 - 14-8N-12E X671757 WDFD 3 WELLS NO OP. NAMED REC. 01/27/2020 (JOHNSON)

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.

PENDING CD – 201905902	3/26/2020 - GB6 - (I.O.) 14, 23, 26 -8N-12E EST MULTIUNIT HORIZONTAL WELL X671757 MYES, WDFD, HNTN 14-8N-12E X671206 MYES, WDFD, HNTN 23-8N-12E X670971 MYES, WDFD, HNTN 26-8N-12E X677910 SLVN 14, 23, 26 -8N-12E (MYES, HNTN, SLVN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD. IN THIS AREA THE HNTN IS ERRATIC AND THE SLVN SHOULD BE CONSIDERED AN ADJACENT COMMON SOURCE OF SUPPLY) 2% 14-8N-12E 49% 23-8N-12E 49% 26-8N-12E NO OP. NAMED REC. 03/23/2020 (JOHNSON)
SPACING – 670971	3/26/2020 - GB6 - (640)(HOR) 26-8N-12E EST MYES, WDFD, HNTN, OTHER COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (MYES, HNTN) NCT 660' FB
SPACING – 671206	3/26/2020 - GB6 - (640)(HOR) 23-8N-12E EST MYES, WDFD, HNTN, OTHER COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (MYES, HNTN) NCT 660' FB
SPACING – 671757	3/26/2020 - GB6 - (640)(HOR) 14-8N-12E EST MYES, WDFD, HNTN, OTHER COMPL. INT. (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (MYES, HNTN) NCT 660' FB
SPACING – 677910	3/26/2020 - GB6 - (640)(HOR) 14, 23, 26 -8N-12E EXT 671213 SLVN COMPL. INT. NCT 330' FB

This permit does not address the right of entry or settlement of surface damages.

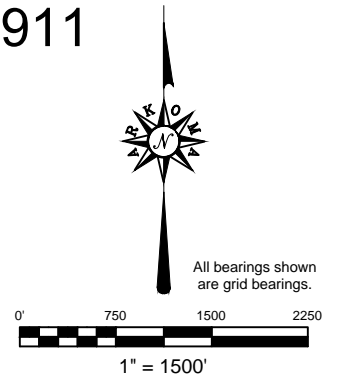
The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

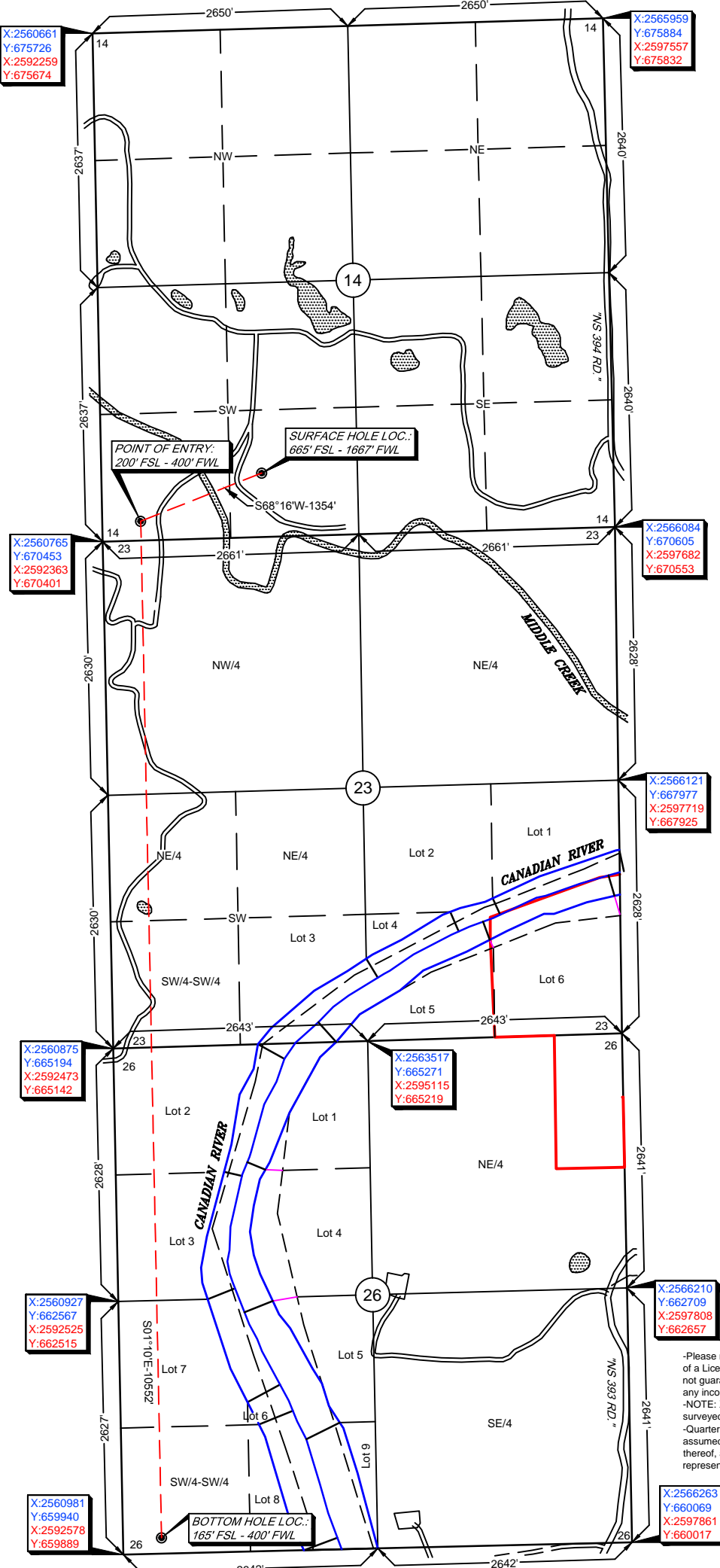
063 24911 HAMILTON 4-14-26WH

Operator: CALYX ENERGY III, LLC
Lease Name and No.: HAMILTON 4-14-26WH
Footage: 665' FSL - 1667' FWL Gr. Elevation: 670'
Section: 14 Township: 8N Range: 12E I.M.
County: Hughes State of Oklahoma
Terrain at Loc.: Location fell in a flat open pasture with a small hill and timber at the Northeast corner.

API 063-24911



GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE



Surface Hole Loc.: Lat: 35°09'41.33"N Lon: 96°00'46.47"W Lat: 35.16148184 Lon: -96.01290859 X: 2562418.52 Y: 671165.78
Surface Hole Loc.: Lat: 35°09'40.99"N Lon: 96°00'45.47"W Lat: 35.16138621 Lon: -96.01262991 X: 2594016.28 Y: 671113.75
Point of Entry: Lat: 35°09'36.62"N Lon: 96°01'01.73"W Lat: 35.16017310 Lon: -96.01714755 X: 2561161.06 Y: 670664.59
Point of Entry: Lat: 35°09'36.28"N Lon: 96°01'00.73"W Lat: 35.16007763 Lon: -96.01686877 X: 2592758.83 Y: 670612.64
Bottom Hole Loc.: Lat: 35°07'52.26"N Lon: 96°01'01.63"W Lat: 35.13118292 Lon: -96.01711823 X: 2561377.09 Y: 660114.95
Bottom Hole Loc.: Lat: 35°07'51.92"N Lon: 96°01'00.62"W Lat: 35.13108804 Lon: -96.01683953 X: 2592974.85 Y: 660063.49

-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, 2020

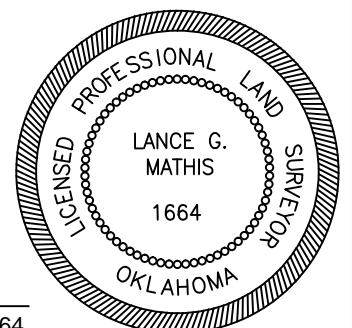
Certification:

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

01/02/02

OK LPLS 1664



Invoice #8955-F

Date Staked: 12/18/19 By: H.S.
Date Drawn: 12/19/19 By: C.K.
Rev. POE: 12/31/19 By: C.K.