

API NUMBER: 063 24919

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

Approval Date: 08/19/2020

Expiration Date: 02/19/2022

Multi Unit

Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 06 Township: 8N Range: 12E County: HUGHES

SPOT LOCATION: ☐ NW ☐ NW ☐ NW ☐ NE  
FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 250 2585

Lease Name: KENNEDY Well No: 2-31-30WH Well will be 250 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

RONALD W. JENKINS  
PO BOX 57  
HICHITA OK 74438

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	4150
2	MAYES	353MYES	4300
3	WOODFORD	319WDFD	4400

Spacing Orders: 660420  
688895

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: 202001180  
202001181  
202001182  
202001183

Special Orders: No Special Orders

Total Depth: 14600 Ground Elevation: 746

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 140

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: 20-37392  
H. SEE MEMO

**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).

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**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**MULTI UNIT HOLE 1**

Section: 30

Township: 9N

Range: 12E

Total Length: 10217

County: HUGHES

Measured Total Depth: 14600

Spot Location of End Point: NW NE NE NW

True Vertical Depth: 4500

Feet From: **NORTH**

1/4 Section Line: 165

End Point Location from

Feet From: **WEST**

1/4 Section Line: 2100

Lease, Unit, or Property Line: 165

**NOTES:**

Category	Description
DEEP SURFACE CASING	8/18/2020 - 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	8/18/2020 - GC2 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a> ; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
MEMO	8/18/2020 - GC2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202001180	8/19/2020 - G56 - (I.O.) 30 & 31-9N-12E EST MULTIUNIT HORIZONTAL WELL X660420 MSSP, WDFD 30-9N-12E X688895 MYES, WDFD 31-9N-12E (MSSP, MYES ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 30-9N-12E 50% 31-9N-12E NO OP NAMED REC 6/22/2020 (MOORE)
PENDING CD - 202001181	8/19/2020 - G56 - (I.O.) 30 & 31-9N-12E X660420 MSSP, WDFD 30-9N-12E X688895 MYES, WDFD 31-9N-12E COMPL INT (31-9N-12E) NCT 0' FNL, NCT 165' FSL, NCT 990' FWL COMPL INT (30-9N-12E) NCT 0' FSL, NCT 165' FNL, NCT 990' FWL NO OP NAMED REC 6/22/2020 (MOORE)
PENDING CD - 202001182	8/19/2020 - G56 - 30-9N-12E X660420 WDFD 1 WELL NO OP NAMED REC 6/22/2020 (MOORE)
PENDING CD - 202001183	8/19/2020 - G56 - 31-9N-12E X688895 WDFD 1 WELL NO OP NAMED REC 6/22/2020 (MOORE)

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 - 660420	8/19/2020 - G56 - (640)(HOR) 30-9N-12E EST MSSP, WDFD COMPL INT (MSSP) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST WITH SP # 523539 MSSP, WDFD)
SPACING - 688895	8/19/2020 - G56 - (640)(HOR) 31-9N-12E EXT OTHER EXT 673572 MYES, WDFD, OTHER COMPL INT (MYES) NCT 660' FB COMPL INT (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

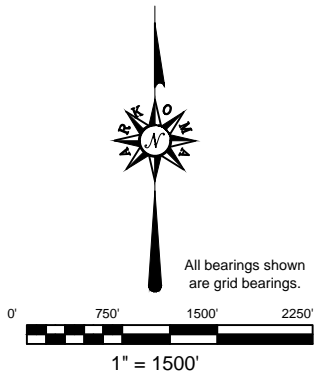
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.



# Well Location Plat

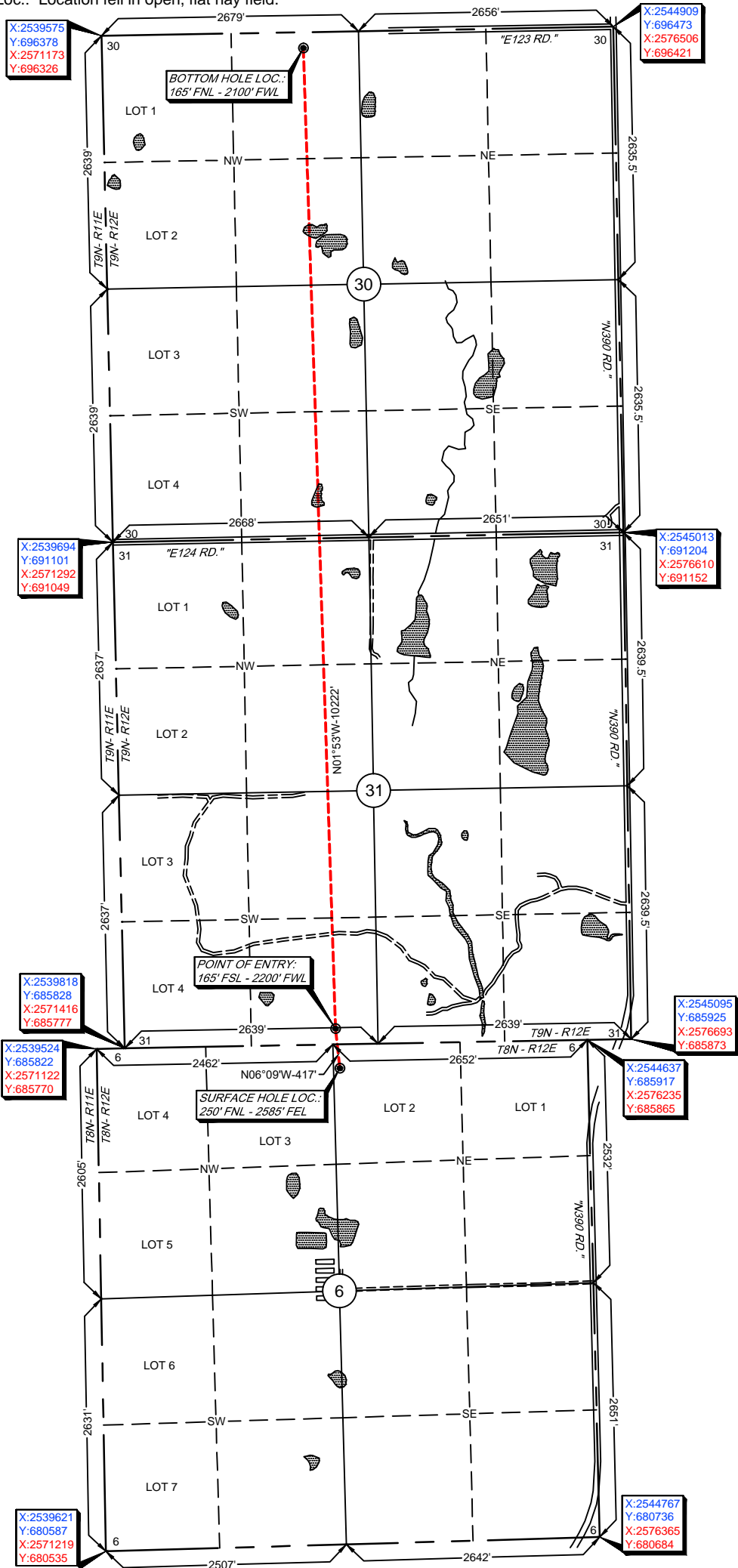
S.H.L. Sec. 6-8N-12E I.M.  
B.H.L. Sec. 30-9N-12E I.M.

Operator: CALYX ENERGY III, LLC  
Lease Name and No.: KENNEDY 2-31-30WH  
Surface Hole Location: 250' FNL - 2585' FEL Gr. Elevation: 746'  
NW/4-NW/4-NW/4-NE/4 Section: 6 Township: 8N Range: 12E I.M.  
Bottom Hole Location: 165' FNL - 2100' FWL  
NW/4-NE/4-NE/4-NW/4 Section: 30 Township: 9N Range: 12E I.M.  
County: Hughes State of Oklahoma  
Terrain at Loc.: Location fell in open, flat hay field.



GPS DATUM  
NAD 83  
NAD 27  
OK SOUTH ZONE

Surface Hole Loc.: Lat: 35°12'08.15"N Lon: 96°04'48.33"W Lat: 35.20226470 Lon: -96.08009046 X: 2542058.78 Y: 685618.83
Surface Hole Loc.: Lat: 35°12'07.81"N Lon: 96°04'47.32"W Lat: 35.20217059 Lon: -96.07981005 X: 2573656.53 Y: 685566.91
Point of Entry: Lat: 35°12'12.26"N Lon: 96°04'48.77"W Lat: 35.20340666 Lon: -96.08021379 X: 2542014.03 Y: 686033.71
Point of Entry: Lat: 35°12'11.93"N Lon: 96°04'47.76"W Lat: 35.20331254 Lon: -96.07993337 X: 2573611.78 Y: 685981.77
Bottom Hole Loc.: Lat: 35°13'53.36"N Lon: 96°04'50.48"W Lat: 35.23148794 Lon: -96.08068765 X: 2541678.15 Y: 696250.47
Bottom Hole Loc.: Lat: 35°13'53.02"N Lon: 96°04'49.47"W Lat: 35.23139345 Lon: -96.08040716 X: 2573275.90 Y: 696198.12



- 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 #9094-B  
Date Staked: 07/31/2020 By: Z.D.  
Date Drawn: 08/03/2020 By: S.S.  
Revise Lse. Name: 08/07/2020 By: R.M.

### 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

08/07/2020

OK LPLS 1664

