

API NUMBER: 063 24920

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 2600

Lease Name: KENNEDY Well No: 1-31-30WH 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 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders
688895

Pending CD Numbers: 202001178 Special Orders: No Special Orders
202001179

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).

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.

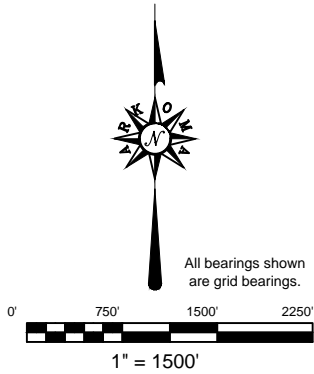
MULTI UNIT HOLE 1

Section: 30	Township: 9N	Range: 12E	Total Length: 10218
County: HUGHES			Measured Total Depth: 14600
Spot Location of End Point: NW	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: 900		Lease, Unit, or Property Line: 165

NOTES:

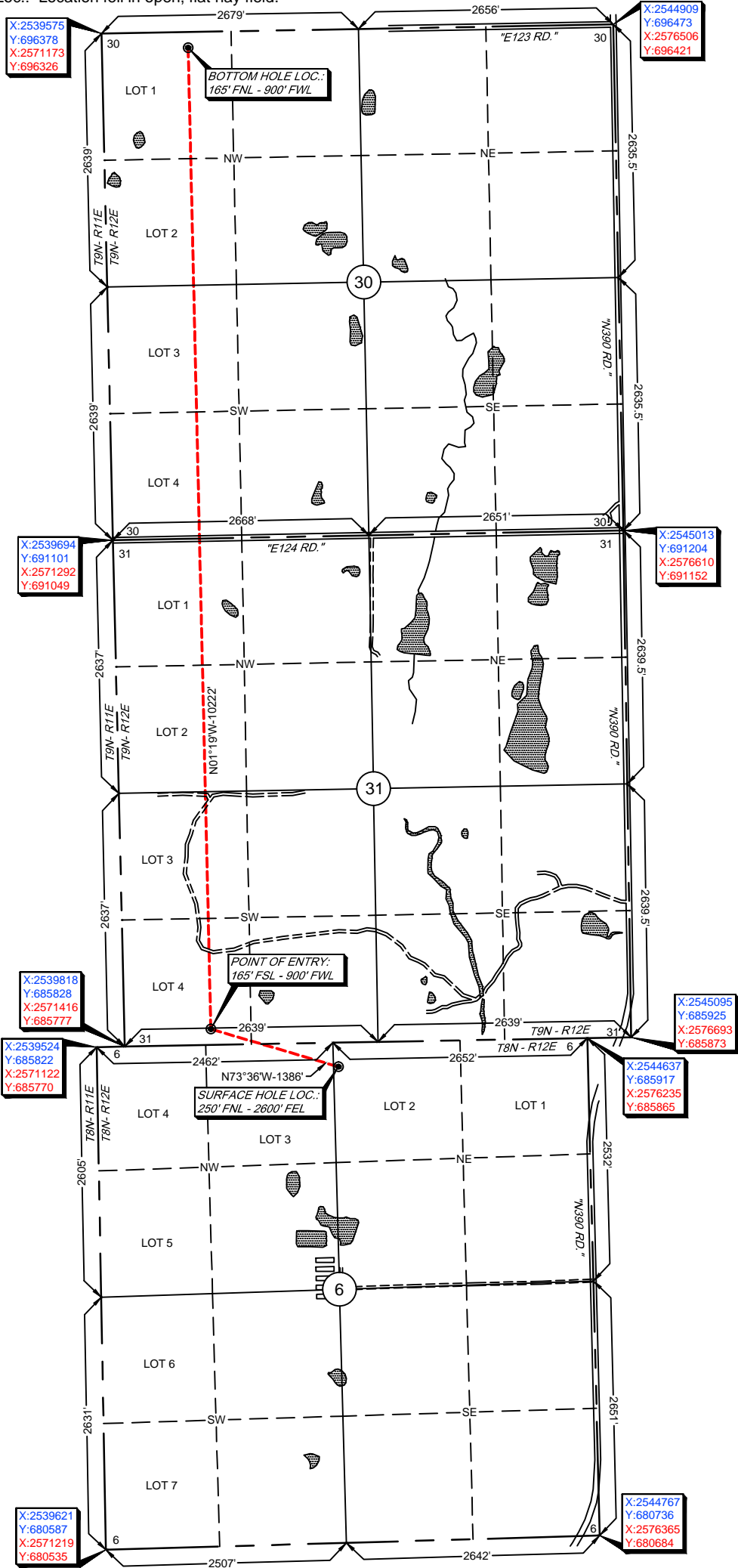
Category	Description
DEEP SURFACE CASING	8/18/2020 - GC2 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	8/18/2020 - GC2 - OCC 165:10-3-10 REQUIRES: 1) PRIOR TO COMMENCEMENT 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: OCCEWEB.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
MEMO	8/18/2020 - GC2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202001178	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 - 202001179	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 330' FWL COMPL INT (30-9N-12E) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP NAMED REC 6/22/2020 (MOORE)
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

Operator: CALYX ENERGY III, LLC
Lease Name and No.: KENNEDY 1-31-30WH
Surface Hole Location: 250' FNL - 2600' 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 - 900' FWL
NW/4-NE/4-NW/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°04'48.51"W Lat: 35.20226472 Lon: -96.08014067 X: 2542043.78 Y: 685618.55
Surface Hole Loc.: Lat: 35°12'07.81"N Lon: 96°04'47.50"W Lat: 35.20217062 Lon: -96.07986026 X: 2573641.53 Y: 685566.63
Point of Entry: Lat: 35°12'12.27"N Lon: 96°05'04.43"W Lat: 35.20340907 Lon: -96.08456522 X: 2540714.23 Y: 686009.90
Point of Entry: Lat: 35°12'11.93"N Lon: 96°05'03.42"W Lat: 35.20331511 Lon: -96.08428470 X: 2572311.98 Y: 685958.01
Bottom Hole Loc.: Lat: 35°13'53.37"N Lon: 96°05'04.94"W Lat: 35.23149150 Lon: -96.08470571 X: 2540478.33 Y: 696228.97
Bottom Hole Loc.: Lat: 35°13'53.03"N Lon: 96°05'03.93"W Lat: 35.23139716 Lon: -96.08442512 X: 2572076.08 Y: 696176.68



- 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-A
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
LANCE G. MATHIS

08/07/2020

OK LPLS 1664

