

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

API NUMBER: 063 24726 A

Approval Date: 11/16/2017  
Expiration Date: 05/16/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE HOLE LOCATION & ADD FORMATIONS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 8N Rge: 12E County: HUGHES  
SPOT LOCATION: ☐ SW ☐ NW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 905 1518

Lease Name: GRANT Well No: 1-2-35WH Well will be 905 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

GUS BOWIE JR., ET AL C/O HAROLD HEATH LAW  
P.O. BOX 472  
HOLDENVILLE OK 74848

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	3825	6	
2	WOODFORD	4100	7	
3	HUNTON	4400	8	
4			9	
5			10	

Spacing Orders: 670063  
528613  
669765

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201703811  
201703812

Special Orders:

Total Depth: 14500 Ground Elevation: 856 Surface Casing: 490 Depth to base of Treatable Water-Bearing FM: 240

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

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-40001  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX 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.

# HORIZONTAL HOLE 1

Sec 35 Twp 9N Rge 12E County HUGHES

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 3617

Radius of Turn: 477

Direction: 355

Total Length: 10134

Measured Total Depth: 14500

True Vertical Depth: 4400

End Point Location from Lease,  
Unit, or Property Line: 165

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

11/14/2017 - 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: [OCCEWEB.COM/OG/OGFORMS.HTML](http://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](http://FRACFOCUS.ORG)

PENDING CD - 201703811

11/15/2017 - G57 - (E.O) 2-8N-12E & 35-9N-12E  
EST MULTIUNIT HORIZONTAL WELL  
X528613 WDFD, HNTN 35-9N-12E  
X669765 MSSP 35-9N-12E  
X670063 MSSP, WDFD, HNTN 2-8N-12E  
50% 2-8N-12E  
50% 35-9N-12E  
CALYX ENERGY III, LLC  
REC 5-8-2018 (DUNN)

PENDING CD - 201703812

11/15/2017 - G57 - (E.O.) 2-8N-12E & 35-9N-12E  
X528613 WDFD, HNTN 35-9N-12E  
X669765 MSSP 35-9N-12E  
X670063 MSSP, WDFD, HNTN 2-8N-12E  
COMPL. INT. (35-9N-12E) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL  
COMPL. INT. (2-8N-12E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL  
CALYX ENERGY III, LLC  
REC 5-8-2018 (DUNN)

SPACING - 528613

11/15/2017 - G57 - (640) 35-9N-12E  
EST CNEY, MYES (VAC BY 669765)  
EXT 523216 HNTN, OTHER  
EXT 488826 WDFD

SPACING - 669765

5/11/2018 - G57 - (640)(HOR) 35-9N-12E  
VAC 528613 CNEY, MYES  
EST MSSP  
POE TO BHL NCT 660' FB

SPACING - 670063

11/15/2017 - G57 - (640)(HOR) 2-8N-12E  
VAC OTHERS  
EST MSSP, WDFD, HNTN  
POE TO BHL (MSSP, HNTN) NCT 660' FB  
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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

063 24726 GRANT 1-2-35WH

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

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