

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

API NUMBER: 063 24762 B

Approval Date: 02/07/2018
Expiration Date: 08/07/2018

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: ADD FORMATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 9N Rge: 11E County: HUGHES
SPOT LOCATION: SE NE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 709 219

Lease Name: MADISON Well No: 1-23-14WH Well will be 219 feet from nearest unit or lease boundary.
Operator CALYX ENERGY III LLC Telephone: 9189494224 OTC/OCC Number: 23515 0
Name:

CALYX ENERGY III LLC
6120 S YALE AVE STE 1480
TULSA, OK 74136-4226

DUNN REVOCABLE TRUST
11710 S. HOLLEY CT.
JENKS OK 74037

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	3570	6	
2	WOODFORD	4000	7	
3			8	
4			9	
5			10	

Spacing Orders: 666635 Location Exception Orders: 697039 Increased Density Orders: 693850
697038

Pending CD Numbers: 201704097

Special Orders:

Total Depth: 15250 Ground Elevation: 905 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 40

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: CALVIN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33507
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 14 Twp 9N Rge 11E County HUGHES

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 3827

Radius of Turn: 573

Direction: 358

Total Length: 10522

Measured Total Depth: 15250

True Vertical Depth: 4100

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

2/5/2018 - 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

2/5/2018 - 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; 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

LOCATION EXCEPTION - 697039

6/13/2019 - GB1 - (F.O.) 23 & 14-9N-11E
X666635 WDFD, MSSP
SHL (23-9N-11E) 709' FSL, 219' FEL
FIRST PERF WDFD (23-9N-11E) 1357' FSL, 860' FEL
LAST PERF WDFD (14-9N-11E) 1079' FNL, 814' FEL
FIRST PERF MSSP (14-9N-11E) 1079' FNL, 814' FEL
LAST PERF MSSP (14-9N-11E) 631' FNL, 804' FEL
FIRST PERF WDFD (14-9N-11E) 631' FNL, 804' FEL
LAST PERF WDFD (14-9N-11E) 230' FNL, 790' FEL
CALYX ENERGY III, LLC.
6/4/2019

PENDING CD - 201704097

6/18/2019 - GB1 - NPT PARAGRAPH 9 OF #697038 TO CORRECT THAT WDFD IS THE TARGET AND MSSP IS ADJACENT COMMON SOURCE OF SUPPLY

SPACING - 666635

6/13/2019 - GB1 - (640)(HOR) 23 & 14-9N-11E
EXT 660420 MSPP, WDFD
EST OTHER
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
POE TO BHL (MSSP) NCT 660' FB

SPACING - 697038

6/13/2019 - GB1 - (F.O.) 23 & 14- 9N-11E
X666635 WDFD, MSSP
(MSSP AND WDFD BOTH TARGETS)***
43.6313% 23-9N-11E
56.3687% 14-9N-11E
CALYX ENERGY III, LLC.
6/4/2019

*** S/B MSSP ADJACENT AND WDFD IS TARGET; NPT WAS FILED AND OK PER MEGAN CROCKER

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

063 24762 MADISON 1-23-14WH

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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.