API NUMBER: С 091 21802

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

06/13/2018 Approval Date: Expiration Date: 12/13/2018

Horizontal Hole Oil & Gas

Multi Unit

2798	Well will be 290 feet from nearest unit or lease boundar OTC/OCC Number: 23515 0 DDLE CREEK, LLC 88 N 394 STIN OK 74839
Telephone: 9189494224 MID 2798	OTC/OCC Number: 23515 0 DDLE CREEK, LLC 18 N 394
MID 2798	DDLE CREEK, LLC 98 N 394
2798	8 N 394
2798	8 N 394
DUS	STIN OK 74839
7 8 9 10 eption Orders: 681028	Increased Density Orders:
	Special Orders:
ace Casing: 1500	Depth to base of Treatable Water-Bearing FM: 220
Water Supply Well Drilled: No	Surface Water used to Drill: Yes
Approved Met	thod for disposal of Drilling Fluids:
• •	thod for disposal of Drilling Fluids: on/dewater and backfilling of reserve pit.
_	9 10 otion Orders: 681028

H. SEE MEMO

Wellhead Protection Area?

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

HORIZONTAL HOLE 1

Sec 19 Twp 8N Rge 13E County PITTSBURG

Spot Location of End Point: S2 SE SE SE Feet From: SOUTH 1/4 Section Line: 165
Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 3729 Radius of Turn: 382

Direction: 185

Total Length: 10395

Measured Total Depth: 14725

True Vertical Depth: 5022

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

Notes:

Category Description

DEEP SURFACE CASING 1/25/2019 - G56 - 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 1/25/2019 - G56 - 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 - 681028 1/25/2019 - G56 - (I.O.) 18 & 19-8N-13E

X672567 CNEY, MYES, WDFD 18-8N-13E X674734 CNEY, MYES, WDFD, HNTN, SLVN 19-8N-13E MYES

COMPL. INT. (18-8N-13E) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL MYES COMPL. INT. (19-8N-13E) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL WDFD

COMPL. INT. (19-8N-13E) NCT 165' FNL, NCT 165' FSL, NCT 330' FEL

CALYX ENERGY III, LLC

8/6/2018

MEMO 1/25/2019 - G56 - PIT 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST,

WBM/CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDFIED AND HELD UNTIL DISPOSAL

APPROVED BY OCC

Category Description

1/25/2019 - G56 - (640)(HOR) 18-8N-13E EST CNEY, MYES, WDFD **SPACING - 672567**

POE TO BHL (MYES) NLT 660' FB POE TO BHL (CNEY) NLT 330' FB

POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL

SPACING - 674734 1/25/2019 - G56 - (640)(HOR) 19-8N-13E

EST CNEY, MYES, WDFD, HNTN, SLVN POE TO BHL (MYES, HNTN) NLT 660' FB POE TO BHL (CNEY, SLVN) NLT 330' FB

POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST WITH SP. ORDER

#515955 CNEY, WDFD, HNTN)

SPACING - 681027 1/25/2019 - G56 - (I.O.) 18 & 19-8N-13E

EST MULTIUNIT HORÍZONTAL WELL X672567 CNEY, MYES, WDFD 18-8N-13E

X674734 CNEY, MYES, WDFD, HNTN, SLVN 19-8N-13E

(CNEY, WDFD ARE ADJACENT COMMON SOURCES OF SUPPLY TO THE MYES 18-8N-13E) (CNEY, HNTN, SLVN ARE ADJACENT COMMON SOURCES OF SUPPLY TO THE MYES & WDFD

19-8N-13E) 50% 18-8N-13E 50% 19-8N-13E CALYX ENEGY III. LLC

8/6/2018

