API NUMBER: 091	21801 B		OIL & GAS OKLAHO	CORPORATION CONSERVATIC P.O. BOX 52000 DMA CITY, OK 73 (Rule 165:10-3-1	N DIVISION) 3152-2000		Approval Date: Expiration Date:	06/13/2018 12/13/2018
orizontal Hole Iulti Unit	Oil & Gas			(Rule 105.10-5-1)			
nend reason: CHANGE NAM	IE, BHL, UPDATE C	RDERS	AME	ND PERMIT TO	DRILL			
WELL LOCATION: Sec:	17 Twp: 8N	Rge: 13E	County: MCIN	гозн				
SPOT LOCATION: NW	NW NW				EST			
		SECTION	LINES:	305 32	4			
Lease Name: OSCA	RLU		Well No:	1-17-20WHR	w	/ell will be 305	feet from nearest	t unit or lease boundary.
Operator CAI Name:	LYX ENERGY III LLO	c		Telephone: 9189	494224	OTC/	OCC Number:	23515 0
CALYX ENERG	GY III LLC							
6120 S YALE AVE STE 1480					MIDDLE CRE	EEK, LLC.		
TULSA,	OK 74136	-4226		2798 N. 394				
					DUSTIN		OK 74	.839
4 WOOD 5 HUNTC Spacing Orders: 52840 67718 67702 67180	00 36 22		4775 4840 Location Exception (9 10 Drders: 677093		Increased	Density Orders:	
Pending CD Numbers:		_				Special C	rders:	
Total Depth: 14725	Ground E	Elevation: 767	Surface C	Casing: 1500		Depth to base	of Treatable Water-	Bearing FM: 220
Under Federal Jurisdic	tion: No		Fresh Water	Supply Well Drilled:	No		Surface Water us	ed to Drill: Yes
PIT 1 INFORMATION				Appro	ved Method for dispo	osal of Drilling Fluids	:	
Type of Pit System: Of Type of Mud System:					aporation/dewater a	-	erve pit.	
Is depth to top of ground Within 1 mile of municipa Wellhead Protection Are	al water well? N a? N		Υ	5516		il farming facility: Se	ec. 14 Twn. 7N Rng.	9E Cnty. 63 Order No:
Pit is located in a Category of Pit: 4	Hydrologically Sens	suive Area.						
Liner not required for (Category: 4							
Pit Location is BED A	QUIFER							
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 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.

 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
 C

Pit Location is BED AQUIFER Pit Location Formation: SENORA

HORIZONTAL HOLE 1

Sec 20 Twp 8N Rge 13E Count	v PITTSBURG
Spot Location of End Point: S2 S2 SW	/ SW
Feet From: SOUTH 1/4 Section Line:	165
Feet From: WEST 1/4 Section Line:	330
Depth of Deviation: 3742	
Radius of Turn: 382	
Direction: 181	
Total Length: 10382	
Measured Total Depth: 14725	
True Vertical Depth: 5016	
End Point Location from Lease,	
Unit, or Property Line: 165	
Notes:	
Category	Description
DEEP SURFACE CASING	1/28/2019 - G56 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF

SURFACE CASINGHYDRAULIC FRACTURING1/28/2019 - 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

CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR

LOCATION EXCEPTION - 677093

SPACING - 528400

COMPL INT (20-8N-13E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL CALYX ENERGY III, LLC 5/1/2018 1/28/2019 - G56 - (640) 17-8N-13E VAC OTHER EST OTHERS EXT 507398 MSSP EXT 515955 WDFD, HNTN, OTHERS

COMPL INT (17-8N-13E) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL

FOLLOWING LINK: FRACFOCUS.ORG 1/28/2019 - G56 - (I.O.) 17 & 20-8N-13E

X528400 MSSP, WDFD, HNTN 17-8N-13E X671800 MYES, WDFD, HNTN 20-8N-13E

Category	Description
SPACING - 671800	1/28/2019 - G56 - (640)(HOR) 20-8N-13E EST CNEY, MYES, WDFD, HNTN COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL COMPL INT (CNEY) NLT 330' FB COMPL INT (MYES, HNTN) NLT 660' FB
SPACING - 677022	1/28/2019 - G56 - (640)(HOR) 17 & 20-8N-13E EXT 671803 SLVN COMPL INT NLT 330' FB
SPACING - 677186	1/28/2019 - G56 - (I.O.) 17 & 20-8N-13E ESTABLISH MULTIUNIT HORIZONTAL WELL X528400 MSSP, WDFD, HNTN 17-8N-13E X671800 MYES, WDFD, HNTN 20-8N-13E (MSSP, MYES, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 17-8N-13E 50% 20-8N-13E CALYX ENERGY III, LLC 5/2/2018

