API NUMBER:	091 21817 A	OIL & GAS C P	DRPORATION COMMISS ONSERVATION DIVISIO .O. BOX 52000 A CITY, OK 73152-2000		
lorizontal Hole Iulti Unit	Oil & Gas	(R	ule 165:10-3-1)		
nend reason: AMEND AME; UPDATE ORDE	SURFACE HOLE LOCATION AND RS	WELL <u>AMENI</u>	D PERMIT TO DRILL		
WELL LOCATION: SPOT LOCATION:		FEET FROM QUARTER: FROM SO	SH UTH FROM EAST		
Lease Name:	MOSE	SECTION LINES: 734 Well No: 1-5	L 255 5-8WH	Well will be 255 feet from nearest unit or lease b	oundary.
Operator Name:	CALYX ENERGY III LLC		Telephone: 9189494224	OTC/OCC Number: 23515 0	,
	NERGY III LLC ALE AVE STE 1480		JAMES E	B SACKETT	
TULSA,	ОК	74136-4226	401686 E HANNA	E 1250 RD F12 OK 74845	
Formation(s)	(Permit Valid for Listed F	ormations Only):			
		Depth	Name	Depth	
	/ISSISSIPPIAN /IAYES	3700 4750	6 7		
	VOODFORD	4850	8		
	IUNTON	4900	9		
5 S	SYLVAN	4950	10		
Spacing Orders:	690614 676054 524669 672567 677022 694187	Location Exception Ord	ers: 694985	Increased Density Orders: 690414	
Pending CD Numb	ers: 201810538			Special Orders:	_
Total Depth: 15	5589 Ground Elevation:	724 Surface Cas	•	Depth to base of Treatable Water-Bearing FM: 19) 0
			Deep surface cas	ing has been approved	
Under Federal J	Jurisdiction: No	Fresh Water Sup	oply Well Drilled: No	Surface Water used to Drill: Yes	S
PIT 1 INFORMAT	ION		Approved Method for	r disposal of Drilling Fluids:	
Type of Pit Syster	m: ON SITE		A. Evaporation/dew	rater and backfilling of reserve pit.	
Type of Mud Syste	em: AIR		B. Solidification of p	it contents.	
	ground water greater than 10ft below uunicipal water well? N	v base of pit? Y	F. Haul to Commerc 551649	cial soil farming facility: Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Ord	der No:
Wellhead Protective Pit is locat	on Area? N ed in a Hydrologically Sensitive Area	I.		SYSTEM=STEEL PITS PER OPERATOR REQUEST, WBM/ NCRETE-LINED PIT,	CUTTING
Category of Pit:					
	d for Category: 4				
Pit Location is					
Pit Location Form	ation: TERRACE				

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 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.

 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
 AP/TE DEPOSIT

 Pit Location Formation:
 TERRACE

HORIZONTAL HOLE 1

Sec	08	Twp	8N	Rge	13E	County	MCINTOSH
Spot I	Locatior	of En	d Point:	SE	E SE	SW	SW
Feet I	From:	SOL	JTH 1	/4 Sec	ction Lin	ne: 16	65
Feet I	From:	WE	ST ⁷	I/4 Sec	ction Lir	ne: 10	000
Depth of Deviation: 4568							
Radius of Turn: 382							
Direction: 177							
Total Length: 10421							
Measured Total Depth: 15589							
True Vertical Depth: 4950							
End Point Location from Lease,							
Unit, or Property Line: 165							

Notes:	
Category	Description
DEEP SURFACE CASING	1/9/2019 - 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	1/9/2019 - 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
INCREASED DENSITY - 690414	2/12/2019 - G56 - 5-8N-13E X524669 WDFD 1 WELL CALYX ENERGY III, LLC 1/25/2019

LOCATION EXCEPTION - 694985	10/2/2019 - GB1 - (I.O.) S2 32-9N-13E, 5 & 8-8N-13E X690614 MSSP, WDFD, HNTN, SLVN S2 32-9N-13E X676054 MYES, SLVN 5-8N-13E X524669 WDFD, HNTN 5-8N-13E X672567 MYES, WDFD, HNTN 8-8N-13E X677022 SLVN 8-8N-13E COMPL INT (S2 32-9N-13E) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL INT (5-8N-13E) NCT 0' FNL, NCT 0' FSL, NCT 330' FWL COMPL INT (8-8N-13E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL COMPL INT (8-8N-13E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL CALYX ENERGY III, LLC 4/22/2019
PENDING CD - 201810538	10/2/2019 - GB1 - NPT PARAGRAPH 9 IN MU IO #694187 TO ADD SP #524669 FOR WDFD AND HNTN
SPACING - 524669	2/12/2019 - G56 - (640) 5-8N-13E EST OTHERS EXT OTHER EXT 490484 WDFD, HNTN, OTHERS
SPACING - 672567	2/12/2019 - G56 - (640)(HOR) 8-8N-13E EST MYES, WDFD, HNTN, OTHER COMPL INT (MYES, HNTN) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL
SPACING - 676054	2/12/2019 - G56 - (640)(HOR) 5-8N-13E EXT 672567 MYES EXT 671566 SLVN COMPL INT (MYES) NLT 660' FB COMPL INT (SLVN) NLT 330' FB
SPACING - 677022	10/2/2019 - GB1 - (640)(HOR) 8-8N-13E EXT 671803 SLVN COMPL INT NLT 330' FB
SPACING - 690614	2/12/2019 - G56 - (320)(HOR) S2 32-9N-13E EST MSSP, WDFD, HNTN, SLVN POE TO BHL (MSSP, HNTN) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL POE TO BHL (SLVN) NLT 330' FB
SPACING - 694187	10/2/2019 - GB1 - (I.O.) S2 32-9N-13E, 5 & 8-8N-13E ESTABLISH MULTIUNIT HORIZONTAL WELL X690614 MSSP, WDFD, HNTN, SLVN S2 32-9N-13E X676054 MYES, SLVN 5-8N-13E X672567 MYES, WDFD, HNTN 8-8N-13E X677022 SLVN 8-8N-13E (HNTN, SLVN ASSOCIATED COMMON SOURCES OF SUPPLY TO MSSP, MYES, WDFD) 14% S2 32-8N-13E 49.83% 5-8N-13E 36.17% 8-8N-13E CALYX ENERGY III, LLC 4/5/2019
	***NPT FILED TO CORRECT SP PER ATTORNEY FOR OPR

