API NUMBER: 017 25393 **OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION** P.O. BOX 52000 **OKLAHOMA CITY, OK 73152-2000** (Rule 165:10-3-1)

Approval Date: 02/19/2019 Expiration Date: 08/19/2020

Pit Location Formation: ALLUVIUM

Horizontal Hole Multi Unit

Oil & Gas

## DEDMIT TO DOLL

		FERMIT TO DRILL				
WELL LOCATION: Sec: 21 Twp: 12N Rge: 10W	County: CAN	ADIAN				
or or coormon. Inc. Inc. Inc.	OM QUARTER: FROM	NORTH FROM WEST				
SECTION	N LINES:	190 2469				
Lease Name: BRAVEHEART	Well No:	1H-21-28	Well will be	e 190 feet from neares	st unit or lease boundary.	
Operator CITIZEN ENERGY III LLC Name:		Telephone: 918949468	0	OTC/OCC Number:	24120 0	
CITIZEN ENERGY III LLC		64	ANDY D. CARRIEC	NA .		
320 S BOSTON AVE STE 900			SANDY D. GARRISON			
TULSA, OK 7410	3-3729	17187 CF				
		HII	NTON	OK 73	3047	
Formation(s) (Permit Valid for Listed Formation Name  1 MISSISSIPPIAN 2 3 4 5  Spacing Orders: N. Spacing	ns Only): Depth 13500  Location Exception	6 7 8 9 10	lame	Depth  Increased Density Orders:	1	
No Spacing						
Pending CD Numbers: 201900889 201900890			:	Special Orders:		
Total Depth: 23900 Ground Elevation: 1355	Surface	Casing: 1500	Depti	h to base of Treatable Water	-Bearing FM: 180	
Under Federal Jurisdiction: No	Jurisdiction: No Fresh Water Sup			Surface Water used to Drill: Yes		
PIT 1 INFORMATION		Approved M	ethod for disposal of Drill	ling Fluids:		
Type of Pit System: CLOSED Closed System Means Steel Pits	3					
Type of Mud System: WATER BASED	D. One time land applic H. SEE MEMO		e land application (REC	QUIRES PERMIT)	PERMIT NO: 19-36250	
Chlorides Max: 8000 Average: 5000		H. SEE ME	:MO			
Is depth to top of ground water greater than 10ft below base of pit Within 1 mile of municipal water well? N	er Y					
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 ALLUVIAL						

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 200000

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

## **HORIZONTAL HOLE 1**

Sec 28 Twp 12N Rge 10W County CANADIAN

Spot Location of End Point: SE SE SE SW
Feet From: SOUTH 1/4 Section Line: 165
Feet From: WEST 1/4 Section Line: 2470

Depth of Deviation: 12796 Radius of Turn: 573 Direction: 180

Total Length: 10204

Measured Total Depth: 23900

True Vertical Depth: 13700

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

 Additional Surface Owner
 Address
 City, State, Zip

 SANDY D. GARRISON
 17187 CR 1060
 HINTON, OK 73047

Notes:

**MEMO** 

Category Description

DEEP SURFACE CASING 2/13/2019 - 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 2/13/2019 - 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

2/13/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201900889 2/19/2019 - G58 - (E.O.)(1280)(HOR) 21 & 28-12N-10W

VAC 91807 CSTR EST MSSP

REC 2/12/2019 (JOHNSON)

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.

017 25393 BRAVEHEART 1H-21-28

Category

Description

PENDING CD - 201900890

2/19/2019 - G58 - (E.O.) 21 & 28-12N-10W X201900889 MSSP COMPL. INT. 21-12N-10W NCT 165' FNL, NCT 0' FSL, NCT 660' FWL COMPL. INT. 28-12N-10W NCT 165' FSL, NCT 0' FNL, NCT 660' FEL NO OP. NAMED REC 2/12/2019 (JOHNSON)

