

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

API NUMBER: 017 24912 B

Approval Date: 06/21/2016

Expiration Date: 12/21/2016

Horizontal Hole Oil & Gas

Amend reason: CORRECTED SHL FOOTAGE FROM 920 FWL TO  
950 FWL.; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 11N Rge: 7W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 340 950

Lease Name: OPPEL

Well No: 1H-17-20

Well will be 340 feet from nearest unit or lease boundary.

Operator Name: CITIZEN ENERGY II LLC

Telephone: 9189494680

OTC/OCC Number: 23559 0

CITIZEN ENERGY II LLC  
320 S BOSTON AVE STE 1300  
TULSA, OK 74103-4702

DALE D OPPEL  
16995 EAST 780 ROAD  
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISSISSIPPI	10550	6	
2	WOODFORD	10700	7	
3			8	
4			9	
5			10	

Spacing Orders: 590247  
120122  
266809  
654798  
655765

Location Exception Orders: 657118

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 19100

Ground Elevation: 1380

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 390

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: 5000 Average: 3000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 16-31335

H. SEE MEMO

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: 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

## HORIZONTAL HOLE 1

Sec 20 Twp 11N Rge 7W County CANADIAN

Spot Location of End Point: W2 E2 E2 E2

Feet From: NORTH 1/4 Section Line: 2640

Feet From: EAST 1/4 Section Line: 360

Depth of Deviation: 10200

Radius of Turn: 380

Direction: 180

Total Length: 8300

Measured Total Depth: 19100

True Vertical Depth: 10770

End Point Location from Lease,  
Unit, or Property Line: 360

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

6/16/2016 - 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

6/16/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://FRACFOCUS.ORG/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

#### LOCATION EXCEPTION - 657118

6/17/2016 - G60 - (I.O.) 17 & 20-11N-7W  
X266809 (20-11N-7W) MISS  
X654798 (20-11N-7W) WDFD  
X120122 (17-11N-7W) MISS  
X590247 (17-11N-7W) WDFD  
SHL (9-11N-7W) 340' FSL, 920' FWL  
COMPL. INT. (17-11N-7W) NCT 165' FNL, NCT 0' FSL, NT 330' FEL  
COMPL. INT. (20-11N-7W) NCT 0' FNL, NCT 2640' FSL, NCT 330' FEL  
CITIZEN ENERGY, II LLC.  
10-20-16

#### MEMO

6/16/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### SPACING - 120122

10/4/2016 - G60 - (640) 17-11N-7W  
EXT OTHERS  
EST MISS, OTHERS

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 24912 OPPEL 1H-17-20

Category	Description
SPACING - 266809	10/4/2016 - G60 - (640) 20-11N-7W EXT 120122 MISS, OTHER EXT OTHERS
SPACING - 590247	6/16/2016 - G60 - (640)(HOR) 17-11N-7W EST WDFD COMPL. INT. NCT 165' FNL OR FSL, NCT 330' FEL OR FWL
SPACING - 654798	6/16/2016 - G60 - (640)(HOR) 20-11N-7W EST WDFD COMPL. INT. NCT 165' FNL OR FSL, NCT 330' FEL OR FWL REC. 6-10-16 (MCKEOWN)
SPACING - 655765	6/16/2016 - G60 - 17 & 20-11N-7W EST MULTIUNIT HORIZONTAL WELL X266809 (20-11N-7W) MISS X654798 (20-11N-7W) WDFD X120122 (17-11N-7W) MISS X590247 (17-11N-7W) WDFD 50% 17-11N-7W 50% 20-11N-7W

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