

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

API NUMBER: 017 25112

Approval Date: 11/16/2017

Expiration Date: 05/16/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 10N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ SW ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 415 950

Lease Name: DKB

Well No: 1H-31-30

Well will be 415 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 900  
TULSA, OK 74103-3729

KAY J. BORNEMANN  
17455 SW 89TH STREET  
UNION CITY OK 73090

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	10150	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 239812  
311807

Location Exception Orders: 669646

Increased Density Orders:

Pending CD Numbers: 201706583  
201706586  
201706587

Special Orders:

Total Depth: 20680

Ground Elevation: 1280

**Surface Casing: 1000**

Depth to base of Treatable Water-Bearing FM: 290

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 17-33328

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 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 30 Twp 11N Rge 6W County CANADIAN

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 9670

Radius of Turn: 480

Direction: 357

Total Length: 10256

Measured Total Depth: 20680

True Vertical Depth: 10150

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

Additional Surface Owner	Address	City, State, Zip
KAY J. BORNEMANN	17455 SW 89TH STREET	UNION CITY, OK 73090

## Notes:

### Category

### Description

#### DEEP SURFACE CASING

11/7/2017 - 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

11/7/2017 - 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](http://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](http://FRACFOCUS.ORG)

#### LOCATION EXCEPTION- 669646

11/16/2017 - G60 - (E.O.) 30 & 31-11N-6W  
X239218 (30-11N-6W) MSSP  
X311807 (31-11N-6W) MSSP  
SHL 415' FNL, 950' FWL  
COMPL. INT. (31-11N-6W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL  
COMPL. INT. (30-11N-6W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL  
CITIZEN ENERGY, LLC.  
11/10/17

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 25112 DKB 1H-31-30

Category	Description
MEMO	11/7/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201706583	11/16/2017 - G60 - (I.O.) 30 & 31-11N-6W EST MULTIUNIT HORIZONTAL WELL X239218 (30-11N-6W) MSSP X311807 (31-11N-6W) MSSP 50% 31-11N-6W 50% 30-11N-6W CITIZEN ENERGY II, LLC. REC. 10/13/17 (MCKEOWN)
PENDING CD - 201706586	11/16/2017 - G60 - (E.O.) 30-11N-6W X239218 MSSP 1 WELL CITIZEN ENERGY II, LLC. REC. 10/27/17 (JOHNSON)
PENDING CD - 201706587	11/16/2017 - G60 - (E.O.) 31-11N-6W X311807 MSSP 1 WELL CITIZEN ENERGY, II. LLC REC. 10/27/17 (JOHNSON)
SPACING - 239812	11/16/2017 - G60 - (640) 30-11N-6W VAC OTHERS EXT OTHERS EXT MSSP, OTHERS
SPACING - 311807	11/16/2017 - G60 - (640) 31-11N-6W EXT OTHERS EXT 301579 MSSP, OTHERS
WELL NAME ON ORDERS	11/16/2017 - G60 - WELL NAME ON APPLICATIONS/INTERIM ORDERS WILL BE CORRECT IN THE BODY OF THE FINAL ORDERS PER OPERATOR



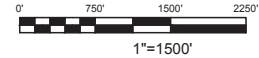
# Well Location Plat

S.H.L. Sec. 6-10N-6W I.M.  
B.H.L. Sec. 30-11N-6W I.M.

Operator: CITIZEN ENERGY, LLC  
Lease Name and No.: DKB 1H-31-30  
Footage: 415' FNL - 950' FWL GR. ELEVATION: 1280'  
Section: 6 Township: 10N Range: 6W I.M.  
County: Canadian State of Oklahoma  
Alternate Loc.: N/A  
Terrain at Loc.: Location fell in sloped terrain with multiple terraces. Existing lease road runs through location.



All bearings shown  
are grid bearings.



GPS DATUM  
NAD 83  
OK NORTH ZONE

GPS DATUM  
NAD 27  
OK NORTH ZONE

Surface Hole Loc.:  
Lat: 35°22'33.89"N  
Lon: 97°52'50.97"W  
Lat: 35.37607923  
Lon: -97.88082594  
X: 2004030  
Y: 136923

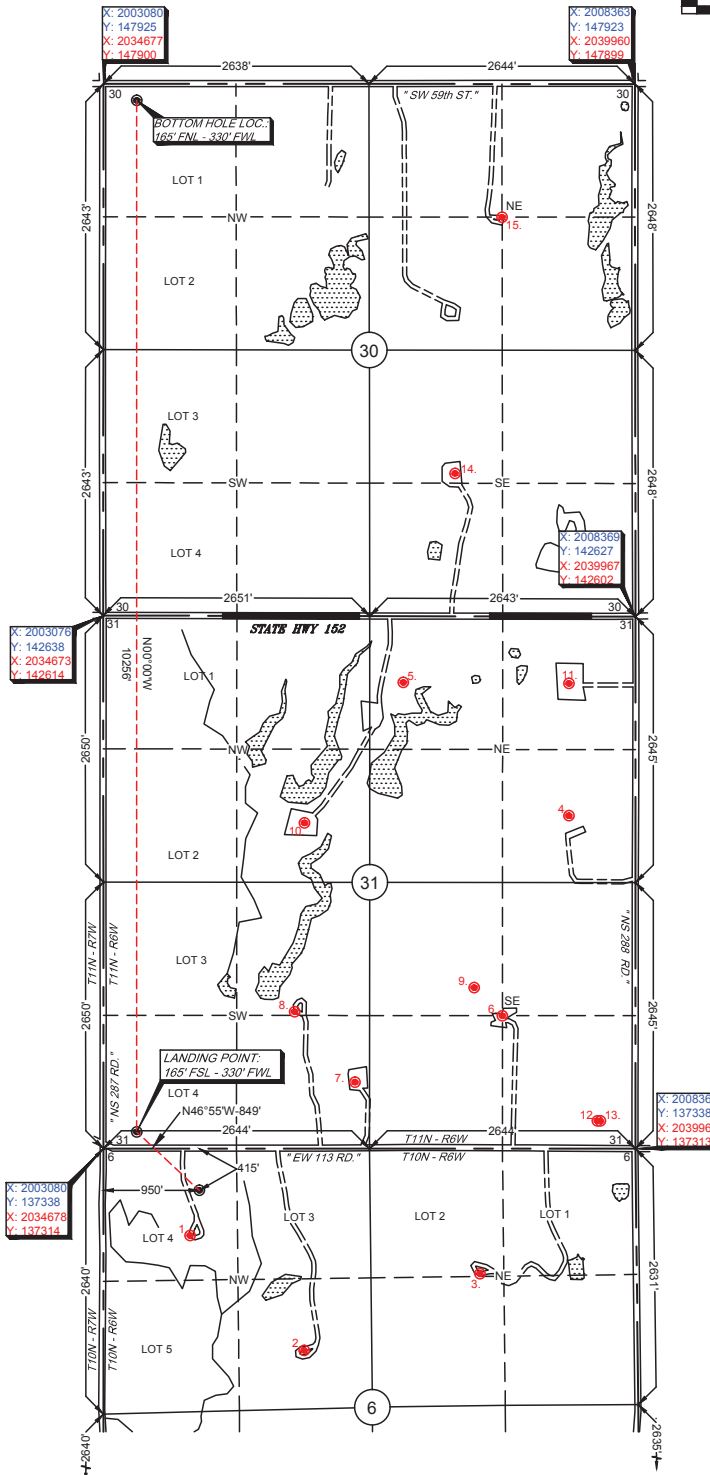
Surface Hole Loc.:  
Lat: 35°22'33.68"N  
Lon: 97°52'49.81"W  
Lat: 35.37602142  
Lon: -97.88050222  
X: 2035627  
Y: 136898

Landing Point:  
Lat: 35°22'39.63"N  
Lon: 97°52'58.45"W  
Lat: 35.37767480  
Lon: -97.88290353  
X: 2003410  
Y: 137503

Landing Point:  
Lat: 35°22'39.42"N  
Lon: 97°52'57.29"W  
Lat: 35.37761707  
Lon: -97.88257973  
X: 2035007  
Y: 137479

Bottom Hole Loc.:  
Lat: 35°24'21.06"N  
Lon: 97°52'58.31"W  
Lat: 35.40585055  
Lon: -97.88286304  
X: 2003410  
Y: 147759

Bottom Hole Loc.:  
Lat: 35°24'20.86"N  
Lon: 97°52'57.14"W  
Lat: 35.40579376  
Lon: -97.88253899  
X: 2035007  
Y: 147735



Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

survey and plat by,  
**Arkoma Surveying and Mapping, PLLC**  
P.O. Box 238 Wilburton, OK 74578  
Ph. 918-465-5711 Fax 918-465-5030  
Certificate of Authorization No. 5348  
Expires June 30, 2018  
Invoice #5934-B-A  
Date Staked: 05/31/17 By: J.L.  
Date Drawn: 06/07/17 By: P.B.  
Revised Lease Name: 08/24/17 By: R.S.

## Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

LANCE G. MATHIS 08/24/17  
OK LPLS 1664

