

API NUMBER: 017 25102

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

Approval Date: 11/06/2017

Expiration Date: 05/06/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 11N Rge: 5W

County: CANADIAN

SPOT LOCATION: SW SW SW NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 2395 255

Lease Name: MUSTANG

Well No: 2H-30-19

Well will be 255 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

MICHAEL MOSOPUST & LANA PYLE  
1904 THORNTON  
NORMAN OK 73069

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8600	6	
2	WOODFORD	8800	7	
3			8	
4			9	
5			10	

Spacing Orders: 669178

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706705  
201706704  
201706706  
201707443

Special Orders:

Total Depth: 16660

Ground Elevation: 1350

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 1140

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 BED AQUIFER

Pit Location Formation: DUNCAN

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

PERMIT NO: 17-33276

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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 19 Twp 11N Rge 5W 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: 8371

Radius of Turn: 477

Direction: 1

Total Length: 7540

Measured Total Depth: 16660

True Vertical Depth: 8850

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

Notes:

Category

Description

DEEP SURFACE CASING

10/17/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

10/17/2017 - 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)

MEMO

10/17/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201706704

11/3/2017 - G75 - (E.O.)(640)(HOR) 19-11N-5W  
EST MSSP, WDFD  
POE TO BHL (MSSP) NCT 660' FB  
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL  
(COEXIST SP. ORDER # 180951 MSSLM, WDFD)  
CITIZEN ENERGY II, LLC  
REC 10-13-2017 (MCKEOWN)

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 25102 MUSTANG 2H-30-19

Category	Description
PENDING CD - 201706705	11/3/2017 - G75 - (E.O.) 30 & 19-11N-5W EST MULTIUNIT HORIZONTAL WELL X669178 MSSP, WDFD 30-11N-5W X201706704 MSSP, WDFD 19-11N-5W (MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 33% 30-11N-5W 67% 19-11N-5W CITIZEN ENERGY II, LLC REC 10-13-2017 (MCKEOWN)
PENDING CD - 201706706	11/3/2017 - G75 - (E.O.) 30 & 19-11N-5W X669178 MSSP, WDFD 30-11N-5W X201706704 MSSP, WDFD 19-11N-5W SHL (30-11N-5W) 2395' TO NL, 245' TO WL ** COMPL. INT. (30-11N-5W) NCT 2640' TO NL, NCT 0' TO NL, NCT 330' TO WL COMPL. INT. (19-11N-5W) NCT 0' TO SL, NCT 165' TO NL, NCT 330' TO WL CITIZEN ENERGY II, LLC REC 10-13-2017 (MCKEOWN)  ** ITD HAS SHL AS 255' TO WL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER ATTORNEY FOR OPERATOR
PENDING CD - 201707443	11/6/2017 - G75 - (E.O.) 30-11N-5W X669178 MSSP, WDFD 1 WELL CITIZEN ENERGY II, LLC HEARING 11-10-2017
SPACING - 669178	11/3/2017 - G75 - (640)(HOR) 30-11N-5W EST MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER 190975 MSSLM, WDFD)





# Well Location Plat

S.H.L. Sec. 30-11N-5W I.M.  
B.H.L. Sec. 19-11N-5W I.M.

Operator : CITIZEN ENERGY, LLC  
Lease Name and No. : MUSTANG 2H-30-19  
Footage : 2395' FNL - 255' FWL GR. ELEVATION : 1350'  
Section : 30 Township : 11N Range : 5W I.M.  
County : Canadian State of Oklahoma  
Terrain at Loc. : Location fell in flat wide open pasture with partial cedar trees at South end of pad.

API 017-25102



All bearings shown  
are grid bearings.



1" = 1320'

GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:  
Lat: 35°23'58.44"N  
Lon: 97°46'36.21"W  
Lat: 35.39956552  
Lon: -97.77672594  
X: 2035046  
Y: 145527

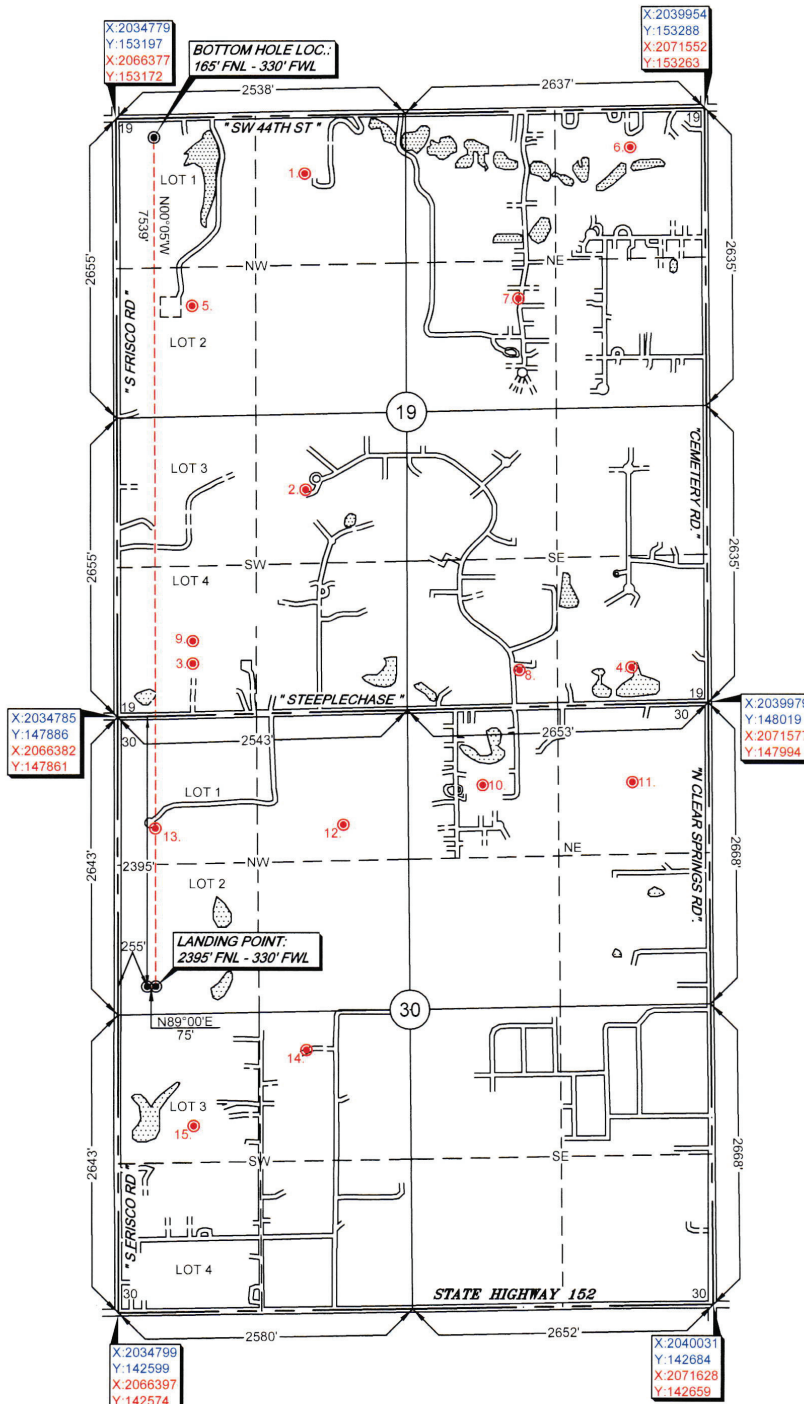
Surface Hole Loc.:  
Lat: 35°23'58.23"N  
Lon: 97°46'35.06"W  
Lat: 35.39950735  
Lon: -97.77640449  
X: 2066644  
Y: 145502

Landing Point:  
Lat: 35°23'58.45"N  
Lon: 97°46'35.31"W  
Lat: 35.39956863  
Lon: -97.77647409  
X: 2035121  
Y: 145528

Landing Point:  
Lat: 35°23'58.24"N  
Lon: 97°46'34.15"W  
Lat: 35.39951045  
Lon: -97.77615264  
X: 2066719  
Y: 145504

Bottom Hole Loc.:  
Lat: 35°25'12.71"N  
Lon: 97°46'35.24"W  
Lat: 35.42019670  
Lon: -97.77645678  
X: 2035109  
Y: 153037

Bottom Hole Loc.:  
Lat: 35°25'12.50"N  
Lon: 97°46'34.09"W  
Lat: 35.42013921  
Lon: -97.77613516  
X: 2066707  
Y: 153013



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.

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.

Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance between section corners, or occupation thereof, and may not have been measured 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

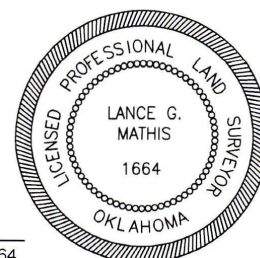
## Certification:

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*  
LANCE G. MATHIS

08/04/17

OK LPLS 1664



Invoice #7265-B

Date Staked : 07/27/17

By: J.L.

Date Drawn : 07/31/17

By: C.K.