API NUMBER: 051 24867

Horizontal Hole Oil & Gas

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

Approval Date: 10/11/2021
Expiration Date: 04/11/2023

PERMIT TO DRILL

WELL LOCATION: Section: 08 Township: 8N Range: 7W County: GRADY

SPOT LOCATION: NW NE NW NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**

SECTION LINES: **250** **760**

Lease Name: **COTNER** **Well No:** **2H-8** **Well will be** **250** **feet from nearest unit or lease boundary.**

Operator Name: **CITIZEN ENERGY III LLC** Telephone: 9189494680 OTC/OCC Number: 24120 0

CITIZEN ENERGY III LLC
320 S BOSTON AVE STE 900
TULSA, OK 74103-3729

WILLIAM CHEYENNE COTNER
1202 E. CARDINAL STREET
POCASSET OK 73079

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

	Name	Code	Depth
1	DEESE	404DEESS	10800

Spacing Orders: No Spacing

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202101894
202101895

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 15800 Ground Elevation: 1192 **Surface Casing: 1000** Depth to base of Treatable Water-Bearing FM: 510

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 21-37849

H. (Other) SEE MEMO

PIT 1 INFORMATION

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

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

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.

HORIZONTAL HOLE 1					
Section: 8	Township: 8N	Range: 7W	Meridian: IM	Total Length:	5200
County:	GRADY			Measured Total Depth:	15800
Spot Location of End Point:	SE SW SW SW			True Vertical Depth:	10800
Feet From:	**SOUTH**	1/4 Section Line:	165	End Point Location from Lease,Unit, or Property Line:	165
Feet From:	**WEST**	1/4 Section Line:	550		

NOTES:

Category	Description
DEEP SURFACE CASING	[10/5/2021 - GB1] - 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	[10/5/2021 - GB1] - OCC 165:10-3-10 REQUIRES: 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN; 2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
MEMO	[10/5/2021 - GB1] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202101894	[10/11/2021 - GB6] - (E.O.)(640)(HOR) 8-8N-7W VAC 128285 DEESS 8-8N-7W VAC 140653 RDFK 8-8N-7W EST DEESS COMPL. INT. NCT 660' FB REC. 10/01/2021 (MOORE)
PENDING CD - 202101895	[10/11/2021 - GB6] - (E.O.) 8-8N-7W X202101894 DEESS COMPL. INT. NCT 330' FNL, NCT 330' FSL, NCT 330' FWL REC. 10/01/2021 (MOORE)

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.

Well Location Plat

Sec. 8-8N-7W I.M.

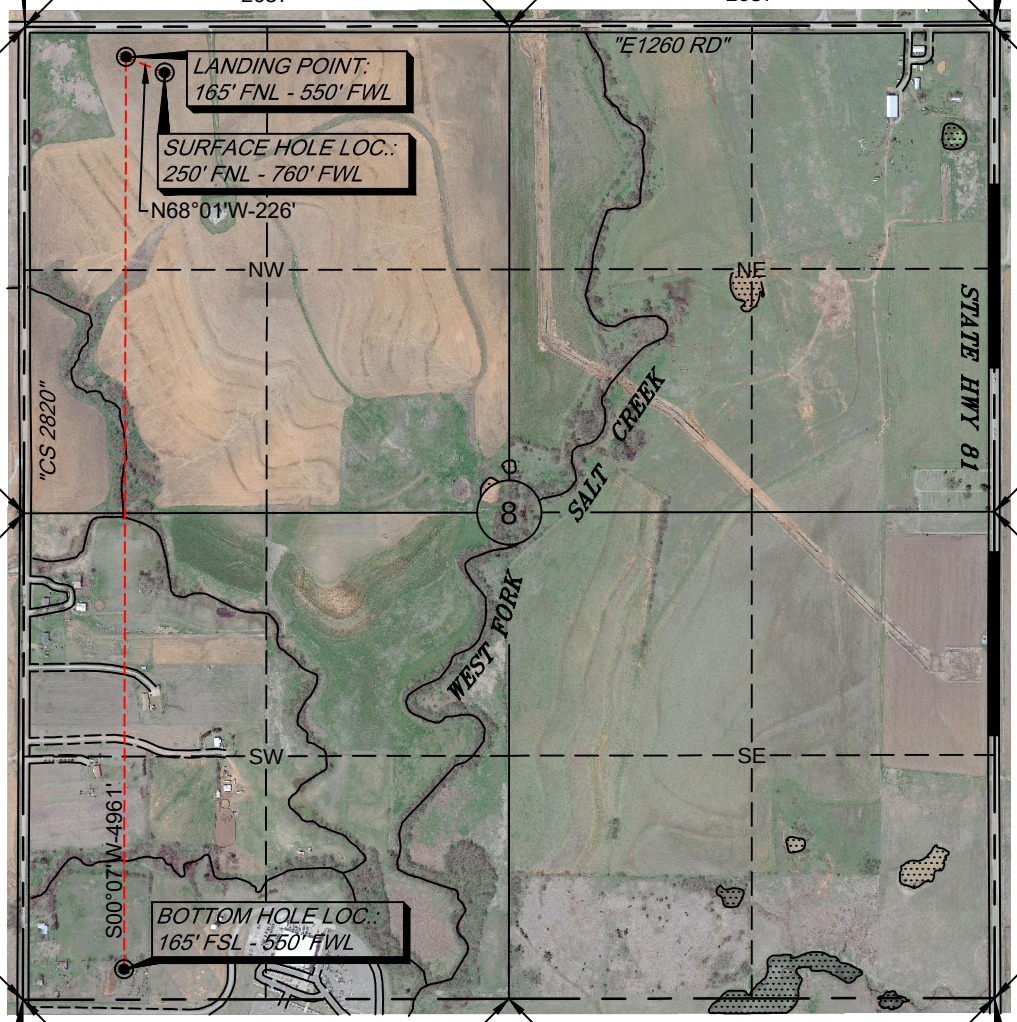
Operator: CITIZEN ENERGY, LLC
Lease Name and No.: COTNER 2H-8
Surface Hole Location: 250' FNL - 760' FWL Gr. Elevation: 1192'
NE/4-NW/4-NW/4-NW/4 Section: 8 Township: 8N Range: 7W I.M.
Bottom Hole Location: 165' FNL - 550' FWL
SE/4-SW/4-SW/4-SW/4 Section: 8 Township: 8N Range: 7W I.M
County: Grady State of Oklahoma
Terrain at Loc.: Location fell in a open wheat field.

All bearings shown are grid bearings.

0' 500' 1000' 1500'
1" = 1000'

X:1977430
Y:675454
X:2009027
Y:675413

X:1982704
Y:675463
X:2014301
Y:675421



X:1977419
Y:670163
X:2009016
Y:670121

X:1982705
Y:670173
X:2014302
Y:670131

GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:	Lat: 35°11'19.10"N Lon: 97°58'03.26"W Lat: 35.18863767 Lon: -97.96757228 X: 1978190 Y: 675206
Surface Hole Loc.:	Lat: 35°11'18.87"N Lon: 97°58'02.09"W Lat: 35.18857545 Lon: -97.96724860 X: 2009787 Y: 675164
Landing Point:	Lat: 35°11'19.93"N Lon: 97°58'05.79"W Lat: 35.18887049 Lon: -97.96827438 X: 1977980 Y: 675290
Landing Point:	Lat: 35°11'19.71"N Lon: 97°58'04.62"W Lat: 35.18880828 Lon: -97.96795068 X: 2009577 Y: 675248
Bottom Hole Loc.:	Lat: 35°10'30.86"N Lon: 97°58'05.93"W Lat: 35.17523961 Lon: -97.96831423 X: 1977970 Y: 670329
Bottom Hole Loc.:	Lat: 35°10'30.64"N Lon: 97°58'04.77"W Lat: 35.17517716 Lon: -97.96799069 X: 2009566 Y: 670287

-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 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.

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, 2022

Invoice #9602-B
Date Staked: 09/16/2021 By: D.W.
Date Drawn: 09/XX/2021 By: J.L.

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.

09/20/2021
LANCE G. MATHIS OK LPLS 1664

PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
LICENSED
OKLAHOMA

Well Location Plat

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County: Grady State of Oklahoma
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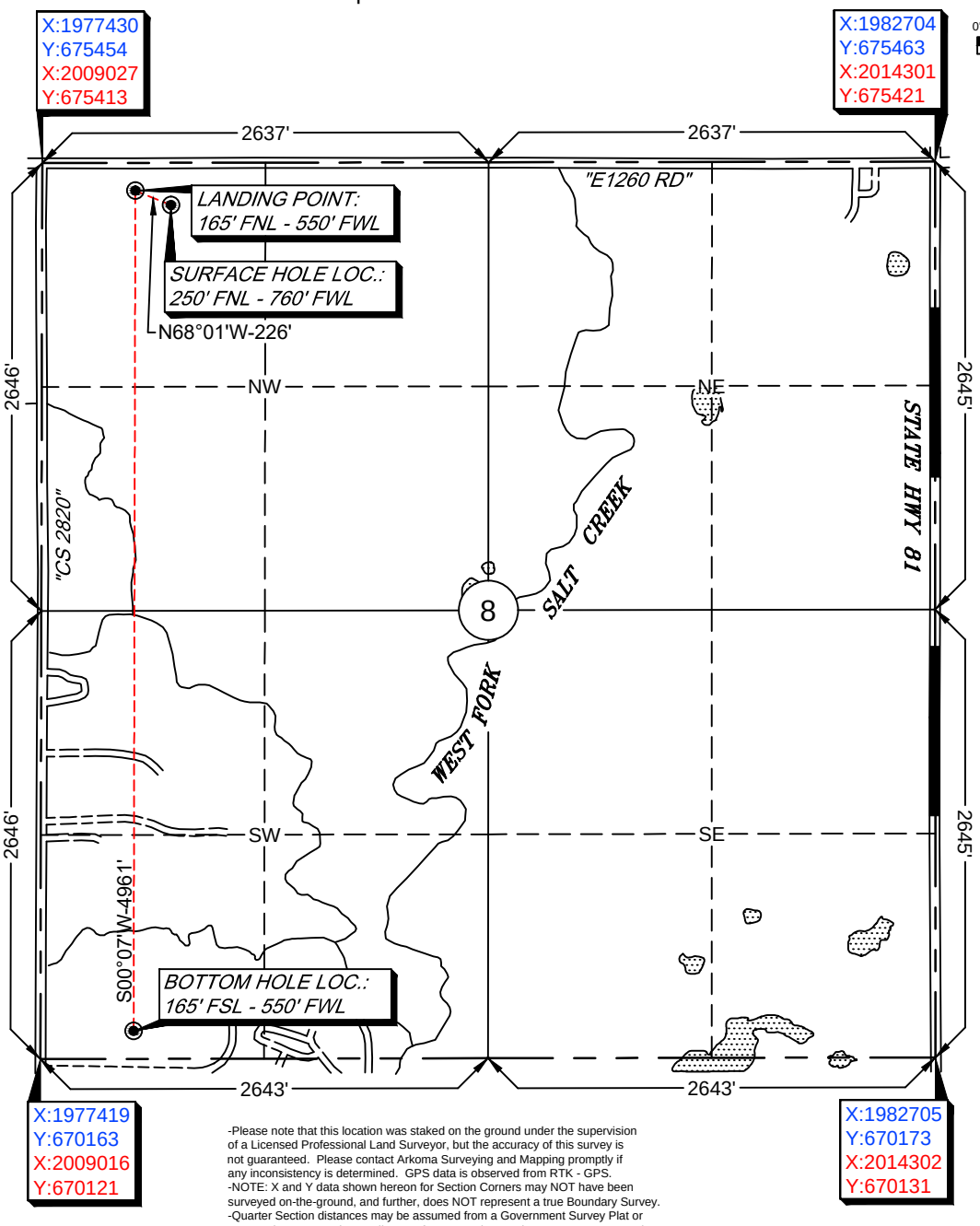
1" = 1000'



GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE

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09/20/2021
LANCE G. MATHIS OK LPLS 1664

PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
LICENSED
OKLAHOMA

Anti-Collision

Sec. 8-8N-7W I.M.

Operator: CITIZEN ENERGY, LLC
Lease Name and No.: COTNER 2H-8
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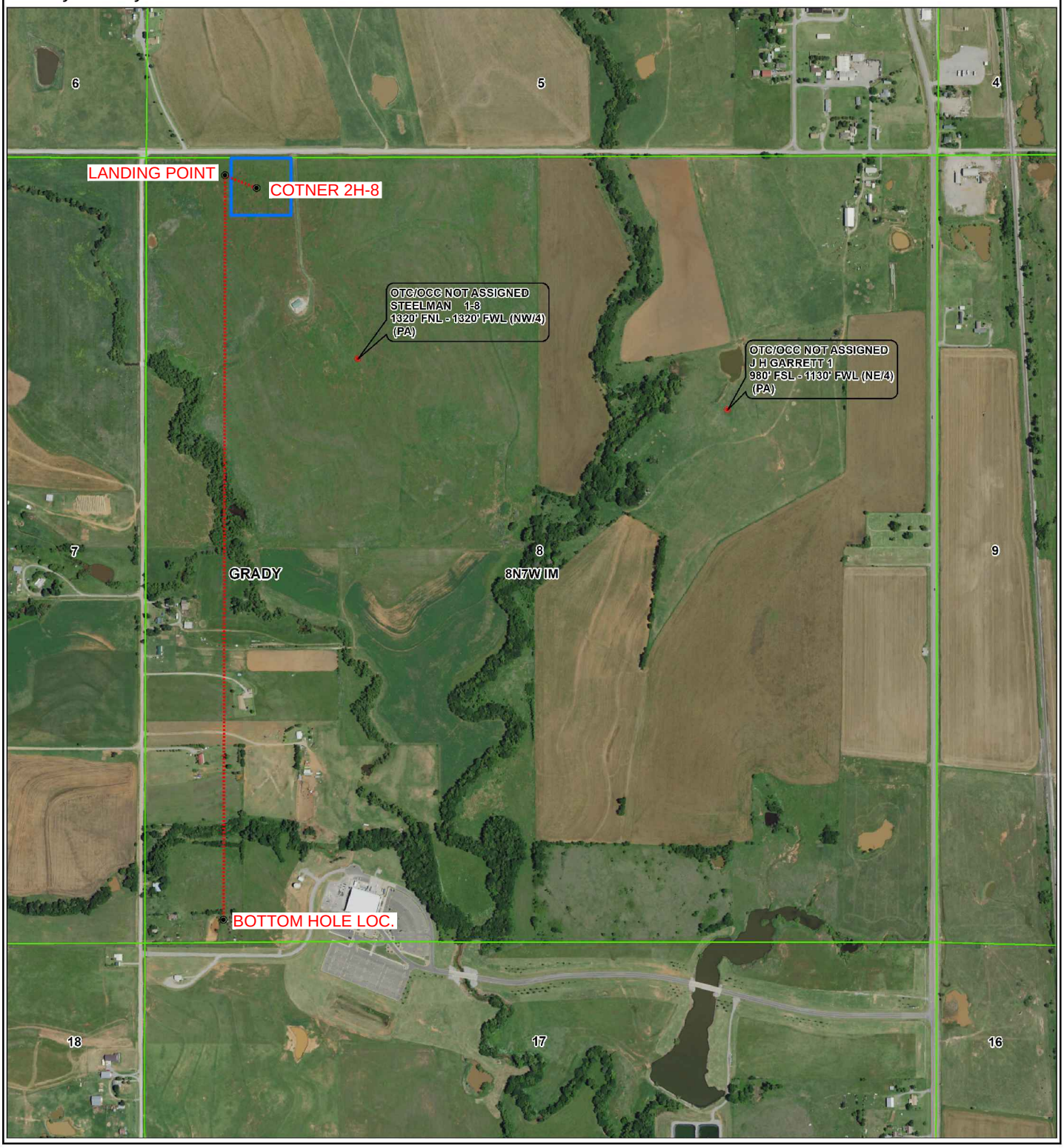
Landing Point: 165' FNL - 550' FWL
Bottom Hole Location: 165' FSL - 550' FWL
Section: 8 Township: 8N Range: 7W I.M.
County: Grady State of Oklahoma

SHL
LP & BHL
Bore Path
OCC Wells
PAD
Counties
Township-Range
Sections

0 500 1,000 Feet



Topographic Vicinity Map

Operator: CITIZEN ENERGY, LLC
Lease Name and No.: COTNER 2H-8
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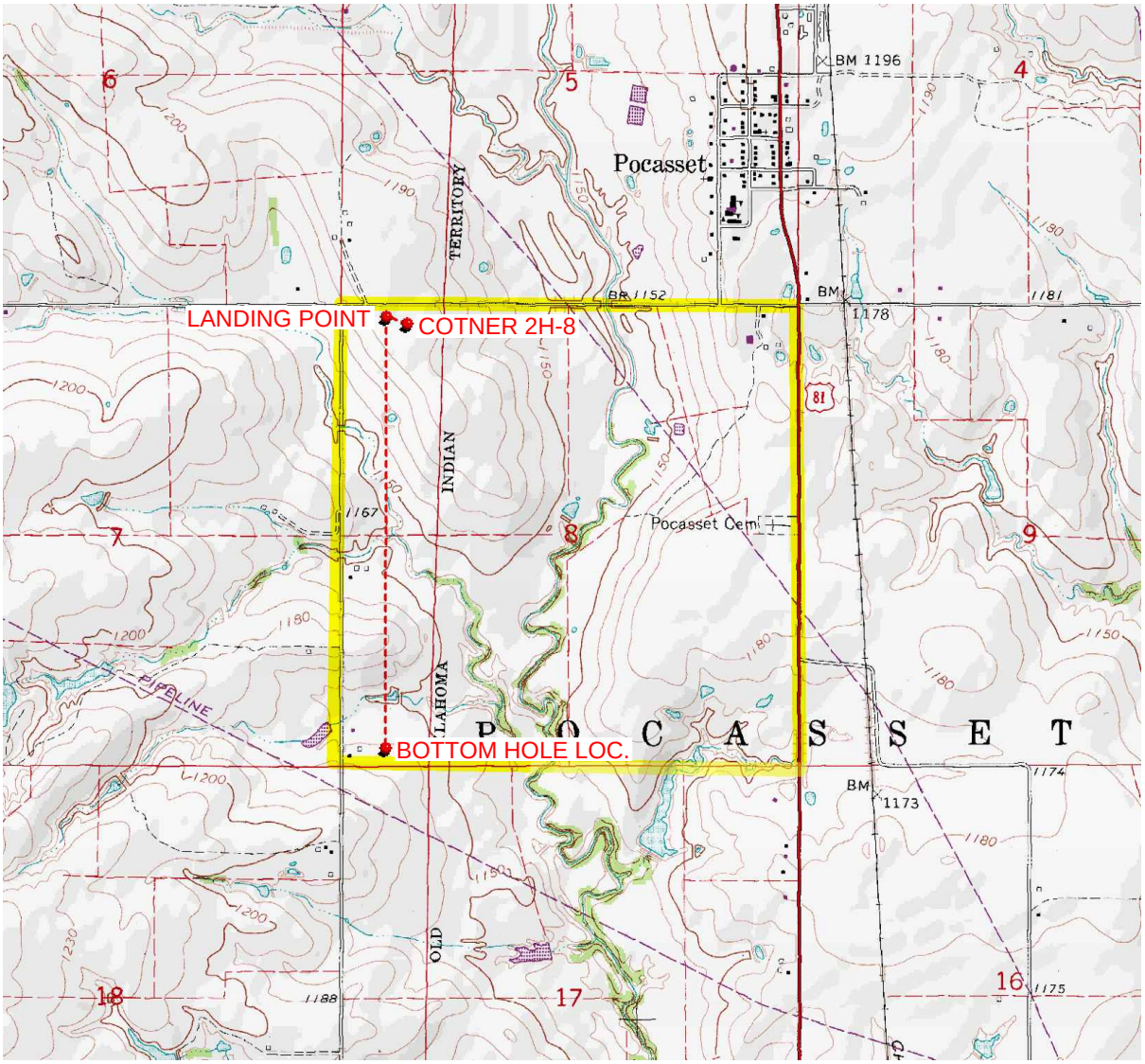
Landing Point: 165' FNL - 550' FWL
Bottom Hole Location: 165' FSL - 550' FWL
Section: 8 Township: 8N Range: 7W I.M.
County: Grady State of Oklahoma

Scale 1" = 2000'
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 1192'



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Certificate of Authorization No. 5348
Expires June 30, 2022

Date Staked: 09/16/2021

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.

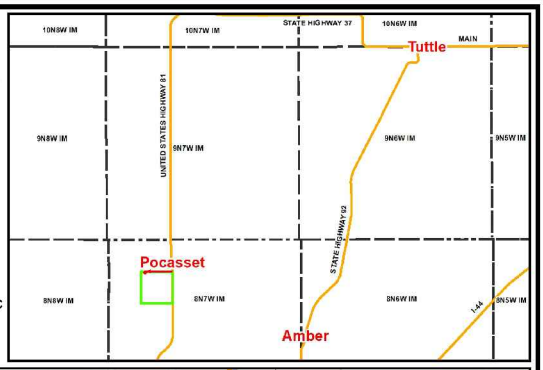
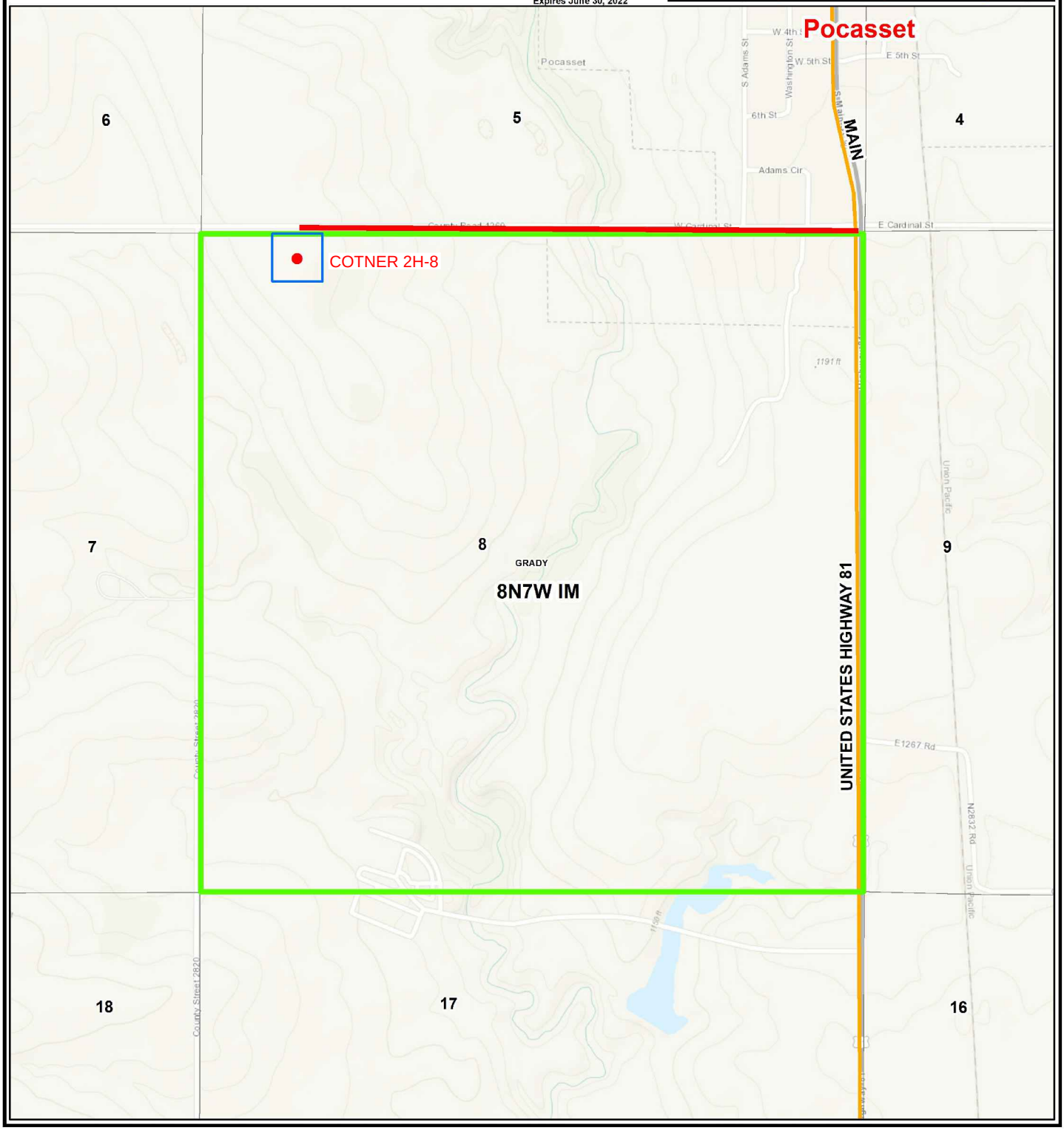
Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined.

County Highway Vicinity Map

CITIZEN ENERGY

Job #: 9602-B
Operator: CITIZEN ENERGY, LLC
Lease Name and No.: COTNER 2H-8

Accessibility: From the Southwest.
Directions: From the junction of Highway 81 & "E1260 RD." in Grady CO., OK, go 0.9 miles West on "E1260 RD." to the Northwest Quarter of Section 8-8N-7W with the pad location being on the South side of "E1260 RD.".

1 inch = 0.2 mile

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