

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

API NUMBER: 017 24994

Approval Date: 04/10/2017

Expiration Date: 10/10/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 11N Rge: 7W

County: CANADIAN

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 310 2445

Lease Name: COWBOY

Well No: 1H-27-22

Well will be 310 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

R. K. CAREL PROPERTIES LLC
1201 59TH STREET SW
UNION CITY OK 73090

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10350	6	
2	WOODFORD	10600	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604405
201604406
201604407

Special Orders:

Total Depth: 21500

Ground Elevation: 1324

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 330

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: 16-31720

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 22 Twp 11N Rge 7W County CANADIAN

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 2445

Depth of Deviation: 10100

Radius of Turn: 750

Direction: 360

Total Length: 10222

Measured Total Depth: 21500

True Vertical Depth: 10600

End Point Location from Lease,
Unit, or Property Line: 1

Notes:

Category	Description
DEEP SURFACE CASING	4/6/2017 - 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	4/6/2017 - 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/ 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
MEMO	4/6/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201604405	4/6/2017 - G75 - (640)(HOR) 22 & 27-11N-7W EST MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 2-23-2017 (MCKEOWN)
PENDING CD - 201604406	4/6/2017 - G75 - (I.O.) 22 & 27-11N-7W EST MULTIUNIT HORIZONTAL WELL X201604405 MSSP, WDFD (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 50% 22-11N-7W 50% 27-11N-7W CITIZEN ENERGY II, LLC REC 2-23-2017 (MCKEOWN)

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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 24994 COWBOY 1H-27-22

Category

PENDING CD - 201604407

Description

4/6/2017 - G75 - (I.O.) 22 & 27-11N-7W
X201604405 MSSP, WDFD
COMPL. INT. (27-11N-7W) NCT 165' TO SL, NCT 0' TO NL, NCT 330' TO WL
COMPL. INT. (22-11N-7W) NCT 0' TO SL, NCT 165' TO NL, NCT 330' TO WL
CITIZEN ENERGY II, LLC
REC 2-23-2017 (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.

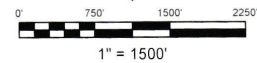


Well Location Plat

S.H.L. Sec. 34-11N-7W I.M.
B.H.L. Sec. 22-11N-7W I.M.

Operator : CITIZEN ENERGY, LLC
Lease Name and No. : COWBOY 1H-27-22
Footage : 310' FNL - 2445' FWL GR. ELEVATION : 1324' Good Site? YES
Section : 34 Township : 11N Range : 7W I.M.
County : Canadian State of Oklahoma
Alternate Loc. : N/A
Terrain at Loc. : Location fell in a flat, open pasture.

API 017-24994



GPS DATUM
NAD 83
NAD 27
OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°23'27.35"N
Lon: 97°55'44.32"W
X: 1989670
Y: 142315

Surface Hole Loc.:
Lat: 35°23'27.14"N
Lon: 97°55'43.15"W
X: 2021268
Y: 142291

First Take:
Lat: 35°23'32.05"N
Lon: 97°55'44.32"W
X: 1989670
Y: 142790

First Take:
Lat: 35°23'31.84"N
Lon: 97°55'43.15"W
X: 2021267
Y: 142766

Last Take:
Lat: 35°25'13.44"N
Lon: 97°55'44.50"W
X: 1989647
Y: 153042

Last Take:
Lat: 35°25'13.24"N
Lon: 97°55'43.33"W
X: 2021245
Y: 153018

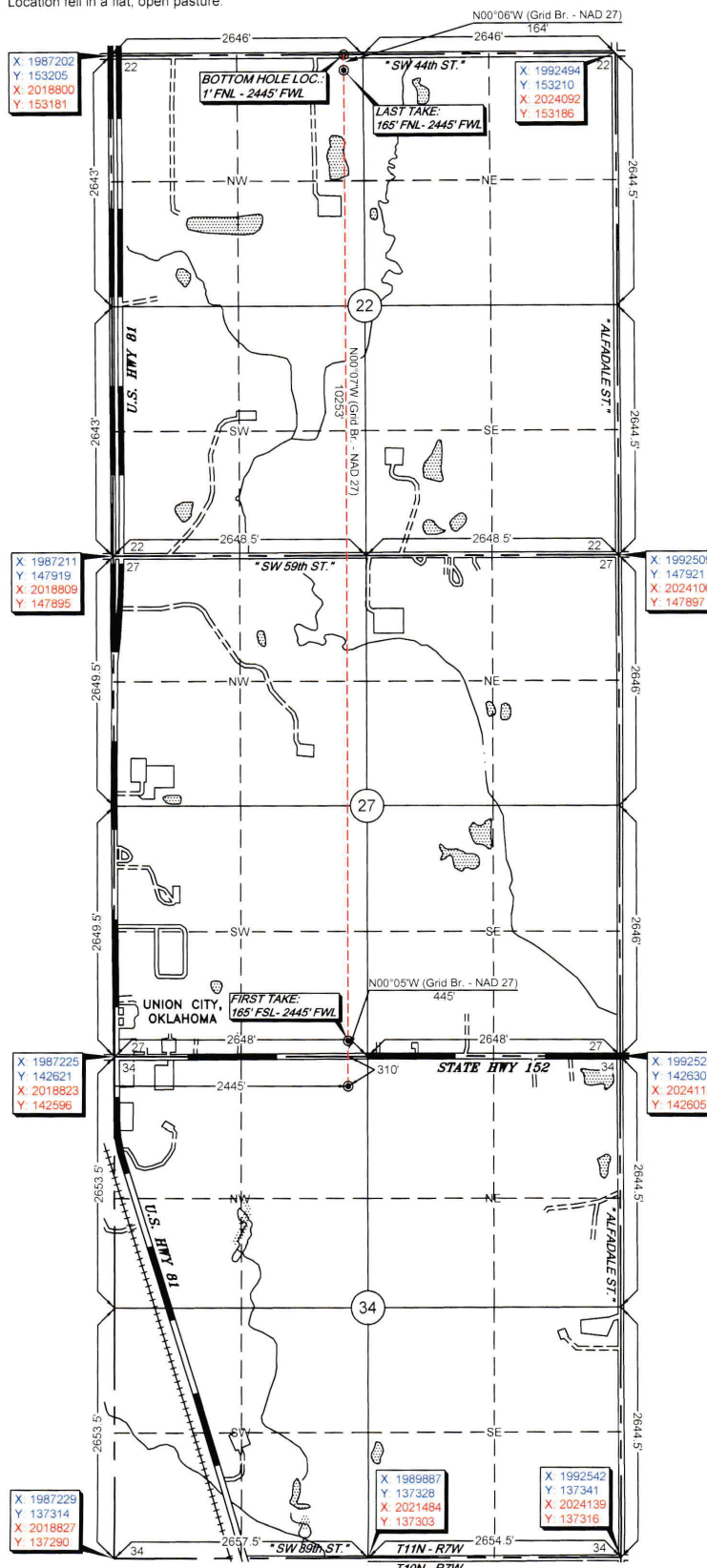
Bottom Hole Loc.:
Lat: 35°25'15.06"N
Lon: 97°55'44.50"W
X: 1989647
Y: 153206

Bottom Hole Loc.:
Lat: 35°25'14.86"N
Lon: 97°55'43.33"W
X: 2021245
Y: 153182

NOTE: X and Y data shown
herein 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.

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 Oklahoma Surveying and Mapping promptly if any inconsistency is determined.
GPS data is observed from RTK - GPS



survey and plat by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74576
Ph: 918-465-5711 Fax: 918-465-9030
Certificate of Authorization No. 5348
Expires June 30, 2018

Invoice #6539-B-B
Date Staked : 03/24/17 By : H.S.
Date Drawn : 03/29/17 By : P.B.

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

03/31/17

OK LPLS 1664

