

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

API NUMBER: 039 22520

Approval Date: 10/31/2017
Expiration Date: 04/30/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 13N Rge: 14W

County: CUSTER

SPOT LOCATION: ☐ NW ☐ NW ☐ NW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 2375 2440

Lease Name: MILLER

Well No: 2H-4-9

Well will be 2375 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

STENSON ALISTER MILLER
9249 N. 2430 ROAD
THOMAS OK 73669

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	15650	6	
2	WOODFORD	15850	7	
3			8	
4			9	
5			10	

Spacing Orders: 665846

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700289
201700288
201700322

Special Orders:

Total Depth: 23770

Ground Elevation: 1645

Surface Casing: 750

Depth to base of Treatable Water-Bearing FM: 380

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: 8000 Average: 5000

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

PERMIT NO: 17-33227

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 09 Twp 13N Rge 14W County CUSTER

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2440

Depth of Deviation: 15370

Radius of Turn: 477

Direction: 180

Total Length: 7650

Measured Total Depth: 23770

True Vertical Depth: 15850

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

Notes:

Category

Description

HYDRAULIC FRACTURING

10/4/2017 - 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; 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

MEMO

10/30/2017 - G75 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201700288

10/31/2017 - G75 - (I.O.) 4 & 9-13N-4W
EST MULTIUNIT HORIZONTAL WELL
X665846 MSSP, WDFD, OTHER
(MSSP ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD)
33% 4-13N-14W
67% 9-13N-14W
NO OP. NAMED
REC 6-21-2017 (JOHNSON)

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.

039 22520 MILLER 2H-4-9

Category	Description
PENDING CD - 201700289	10/31/2017 - G75 - (I.O.) 4 & 9-13N-14W X665846 MSSP, WDFD, OTHER COMPL. INT. (4-13N-14W) NCT 2640' TO SL, NCT 0' TO SL, NCT 330' TO EL ** COMPL. INT. (9-13N-14W) NCT 0' TO NL, NCT 165' TO SL, NCT 330' TO EL NO OP. NAMED REC 6-21-2017 (JOHNSON) ** STAKING PLAT HAS LANDING POINT AS 2075' FSL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER ATTORNEY FOR OPERATOR
PENDING CD - 201700322	10/31/2017 - G75 - (I.O.) 4-13N-14W X665846 MSSP, WDFD, OTHER 1 WELL NO OP. NAMED REC 6-23-2017 (JOHNSON)
PUBLIC WATER SUPPLY WELLS	10/4/2017 - G71 - CUSTER COUNTY RWD #3, 3 PWS/WPA, SE4 5-13N-14W
SPACING - 665846	10/31/2017 - G75 - (640)(HOR) 4 & 9-13N-14W VAC 104778 MSSP, OTHER EST MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SURFACE CASING	10/4/2017 - G71 - MIN. 500' PER ORDER # 42589

Operator: CITIZEN ENERGY, LLC
Lease Name and No.: MILLER 2H-4-9
Footage: 2375' FSL - 2440' FEL GR. ELEVATION: 1645'
Section: 4 Township: 13N Range: 14W I.M.
County: Custer State of Oklahoma
Alternate Loc.: N/A
Terrain at Loc.: Location fell in a wide open pasture. Flat terrain with existing pipeline 25' North of proposed pad.

API 039-22520



All bearings shown
are grid bearings.

1" = 1320'

GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°37'49.83"N
Lon: 98°41'37.17"W
Lat: 35.63050951
Lon: -98.69365891
X: 1762358
Y: 230253

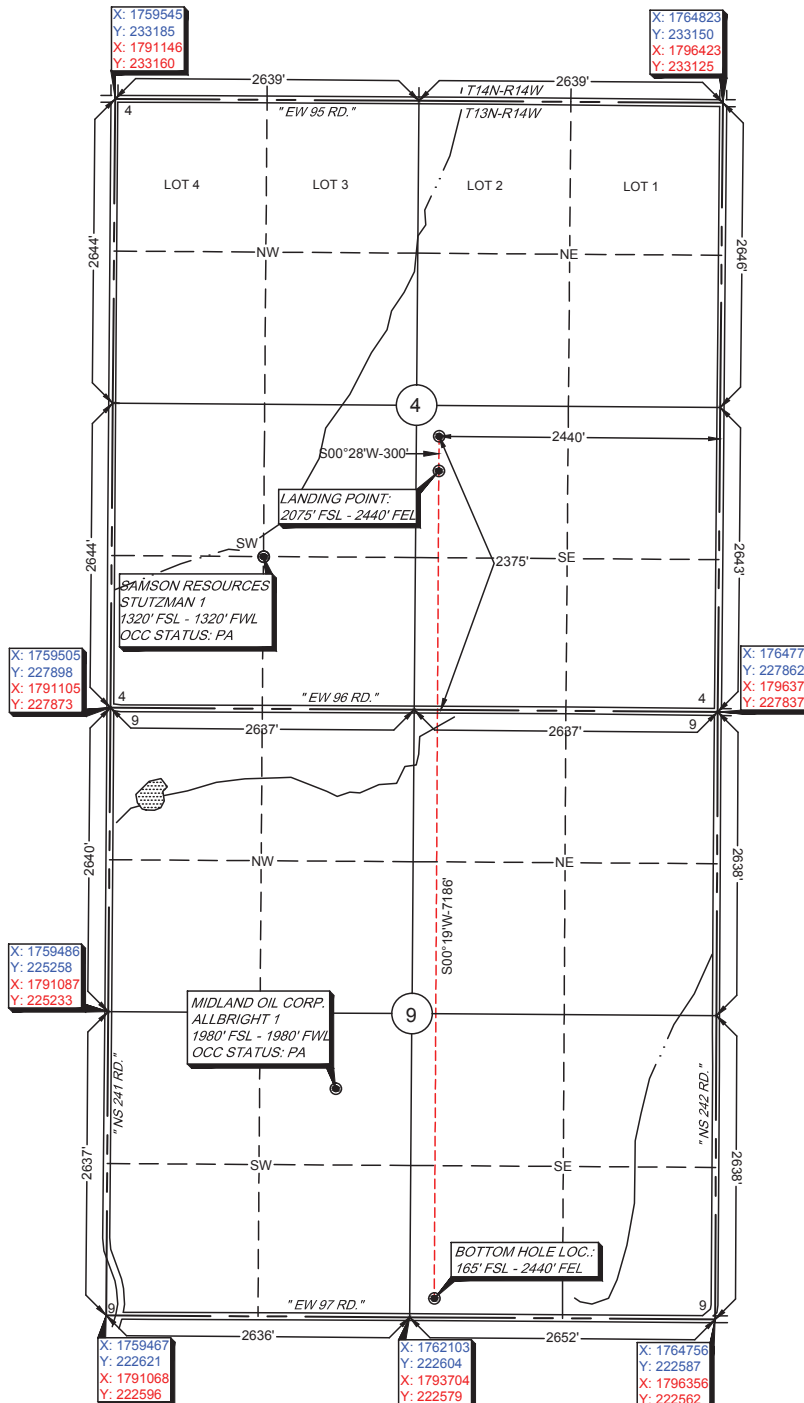
Surface Hole Loc.:
Lat: 35°37'49.65"N
Lon: 98°41'35.89"W
Lat: 35.63045912
Lon: -98.69330348
X: 1793959
Y: 230228

Landing Point:
Lat: 35°37'46.87"N
Lon: 98°41'37.18"W
Lat: 35.62968537
Lon: -98.69366015
X: 1762356
Y: 229953

Landing Point:
Lat: 35°37'46.69"N
Lon: 98°41'35.90"W
Lat: 35.62963496
Lon: -98.69330475
X: 1793957
Y: 229928

Bottom Hole Loc.:
Lat: 35°36'35.80"N
Lon: 98°41'37.03"W
Lat: 35.60994510
Lon: -98.69362047
X: 1762316
Y: 222768

Bottom Hole Loc.:
Lat: 35°36'35.62"N
Lon: 98°41'35.76"W
Lat: 35.60989436
Lon: -98.69326579
X: 1793917
Y: 222743



-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, 2018
Invoice #7058-B
Date Staked: 06/01/17 By: J.L.
Date Drawn: 06/06/17 By: P.B.
Rev. LP & BHL: 10/23/17 By: C.K.

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

10/23/17

OK LPLS 1664

