

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

API NUMBER: 051 24043

Approval Date: 06/20/2016
Expiration Date: 12/20/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 9N Rge: 5W County: GRADY
SPOT LOCATION: NE NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 160 225

Lease Name: WHB CATTLE Well No: 1H-7 Well will be 160 feet from nearest unit or lease boundary.

Operator Name: GAEDEKE OIL & GAS OPERATING LLC Telephone: 2142733304 OTC/OCC Number: 22637 0

GAEDEKE OIL & GAS OPERATING LLC
3710 RAWLINS ST STE 1000
DALLAS, TX 75219-6409

WHB CATTLE, LP
3000 NE 63RD STREET
OKLAHOMA CITY OK 73121

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

Name	Depth	Name	Depth
1 WOODFORD	10100	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 650997

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15500

Ground Elevation: 1304

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 170

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: 16-31289

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 07 Twp 9N Rge 5W County GRADY

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 360

Depth of Deviation: 9600

Radius of Turn: 750

Direction: 1

Total Length: 4722

Measured Total Depth: 15500

True Vertical Depth: 10100

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

Notes:

Category

Description

COMPLETION INTERVAL

6/13/2016 - G75 - GREATER THAN 165' FNL AND FSL, GREATER THAN 330' FEL AND FWL PER OPERATOR

DEEP SURFACE CASING

6/9/2016 - 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

6/9/2016 - 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/](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

6/9/2016 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 650997

6/13/2016 - G75 - (640)(HOR) 7-9N-5W
VAC 261276 WDFD
EST OTHER
EXT 649154 WDFD
POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

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.

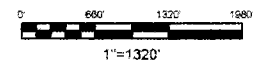


Well Location Plat

S.H.L. Sec. 18-9N-5W I.M.
B.H.L. Sec. 7-9N-5W I.M.

Operator : CITIZEN ENERGY LLC Gaedeker Oil+Gas SPU 6-20-2016
Lease Name and No. : W.H.B. CATTLE #1H-7
Footage : 160' FNL - 225' FEL GR. ELEVATION : 1304' Good Site? YES
Section : 18 Township : 9N Range : 5W I.M.
County Grady State of Oklahoma
Alternate Loc. : N/A
Terrain at Loc. : Location fell in an open, flat, cultivated field, ±145' South of E-W aerial power lines.

ART 051-24043



Accessibility : From the North.
Directions : From the intersection of State Highway 37 & "Cemetery Rd." in the town of Tuttle, OK, go 2.0 miles South on "Cemetery Rd." to the Northeast Corner of Section 18-9N-5W.

GPS DATUM
NAD 83
OK SOUTH ZONE
NAD 83
OK SOUTH ZONE
BASIS OF BEARING:
GRID NORTH - NAD 27
STATE PLANE - OK SOUTH ZONE

Surface Hole Loc.
Lat: 35°15'40.96"N
Lon: 97°45'36.11"W
X: 2040142
Y: 701765

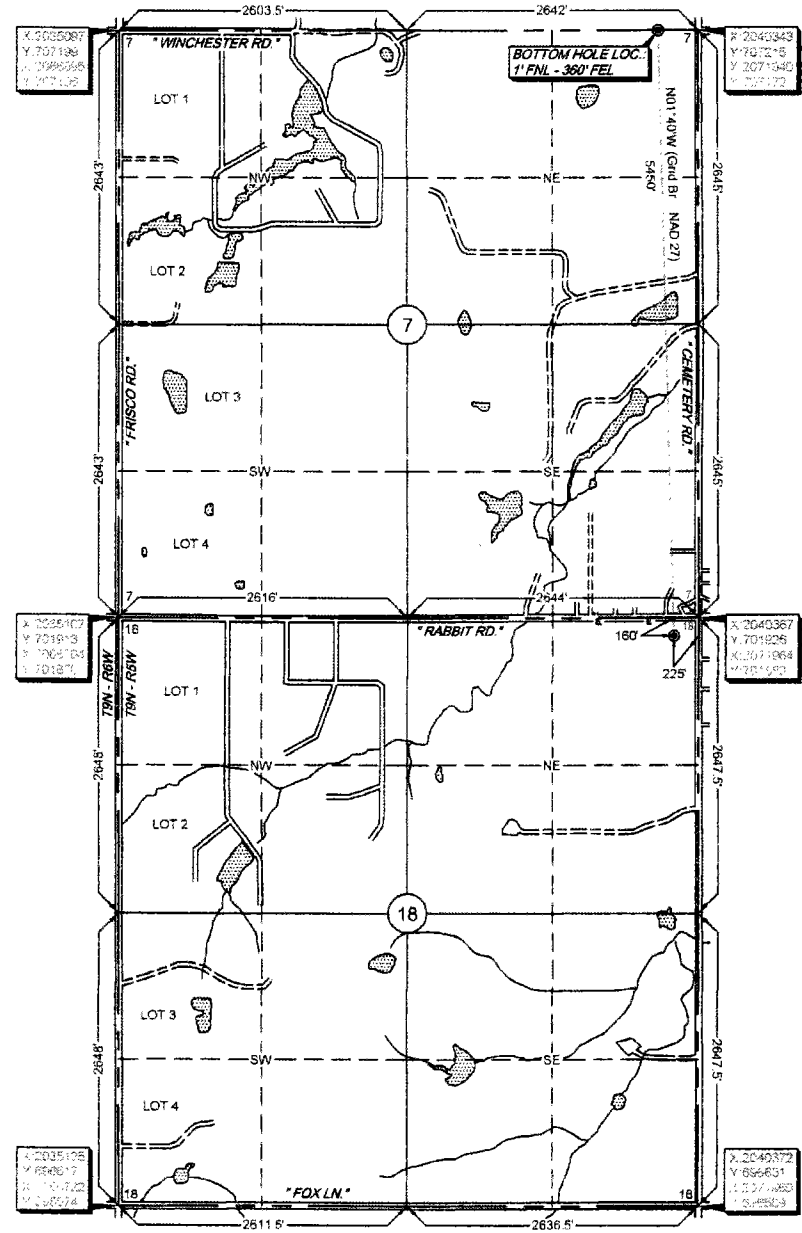
Surface Hole Loc.
Lat: 35°15'40.73"N
Lon: 97°45'34.98"W
X: 2071739
Y: 701723

Bottom Hole Loc.
Lat: 35°16'34.83"N
Lon: 97°45'37.87"W
X: 2039983
Y: 707213

Bottom Hole Loc.
Lat: 35°16'34.31"N
Lon: 97°45'36.72"W
X: 2071653
Y: 70717

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.
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.

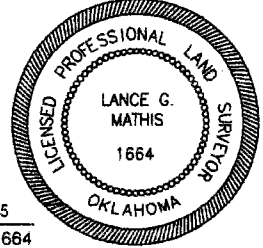
Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.



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, 2016

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 10/12/15
LANCE G. MATHIS OK LPLS 1664



Invoice #5894
Date Staked : 10/05/15 By: C.K.
Date Drawn : 10/08/15 By: K.M.
Revised BHL : 10/12/15 By: K.M.