

API NUMBER: 051 24246

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: 01/10/2018

Expiration Date: 07/10/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 8N Rge: 6W

County: GRADY

SPOT LOCATION:

NE

NE

NW

NE

FEET FROM QUARTER: FROM

NORTH

FROM

EAST

SECTION LINES:

200

1450

Lease Name: CALDWELL 0886

Well No: 3-1MH

Well will be 200 feet from nearest unit or lease boundary.

Operator
Name:

CAMINO NATURAL RESOURCES LLC

Telephone: 7204052706

OTC/OCN Number: 24097 0

CAMINO NATURAL RESOURCES LLC

1401 17TH ST STE 1000

DENVER,

CO 80202-1247

JOHN R. CALDWELL

1384 COUNTY STREET 2910

TUTTLE

OK 73089

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

	Name	Depth
1	MISSISSIPPI	11250
2		
3		
4		
5		

	Name	Depth
6		
7		
8		
9		
10		

Spacing Orders: 663251

Location Exception Orders: 663961

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 16800

Ground Elevation: 1246

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 360

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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 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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-33678

H. SEE MEMO

Cancelled per operator request
3/29/2018

-JKC

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 03 Twp 8N Rge 6W County GRADY

Spot Location of End Point: C N2 NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 10775

Radius of Turn: 900

Direction: 15

Total Length: 4611

Measured Total Depth: 16800

True Vertical Depth: 11250

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

1/4/2018 - G71 - 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

1/4/2018 - 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

LOCATION EXCEPTION - 663961

1/9/2018 - G57 - (I.O.) 3-8N-6W
X663251 MISS
SHL (10-8N-6W) NCT 200' FNL, NCT 660' FEL
COMPL. INT. (3-8N-6W) NCT 330' FSL, NCT 330' FNL, NCT 660' FEL
WARD PETROLEUM CORPORATION **
5-24-2017

**S/B CAMINO NATURAL RESOURCES, LLC. WILL BE CHANGED AT THE HEARING FOR THE FINAL ORDER PER OPERATOR

This permit does not address the right of entry or settlement of surface damages.

051 24246 CALDWELL 0806 3-1MH

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.

Category	Description
MEMO	1/4/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 663251	1/8/2018 - G57 - (640)(HOR) 3-8N-6W EXT 634400 MISS POE TO BHL NCT 660' FB

Operator: CAMINO NATURAL RESOURCES, LLC
Lease Name and No.: CALDWELL 0806 3-1MH
Footage: 200' FNL - 1450' FEL Gr. Elevation: 1246'
Section: 10 Township: 8N Range: 6W I.M.
County: Grady State of Oklahoma
Terrain at Loc.: Location fell in pasture.

API: 051 24246



All bearings shown
are grid bearings.


$$1'' = 1320'$$

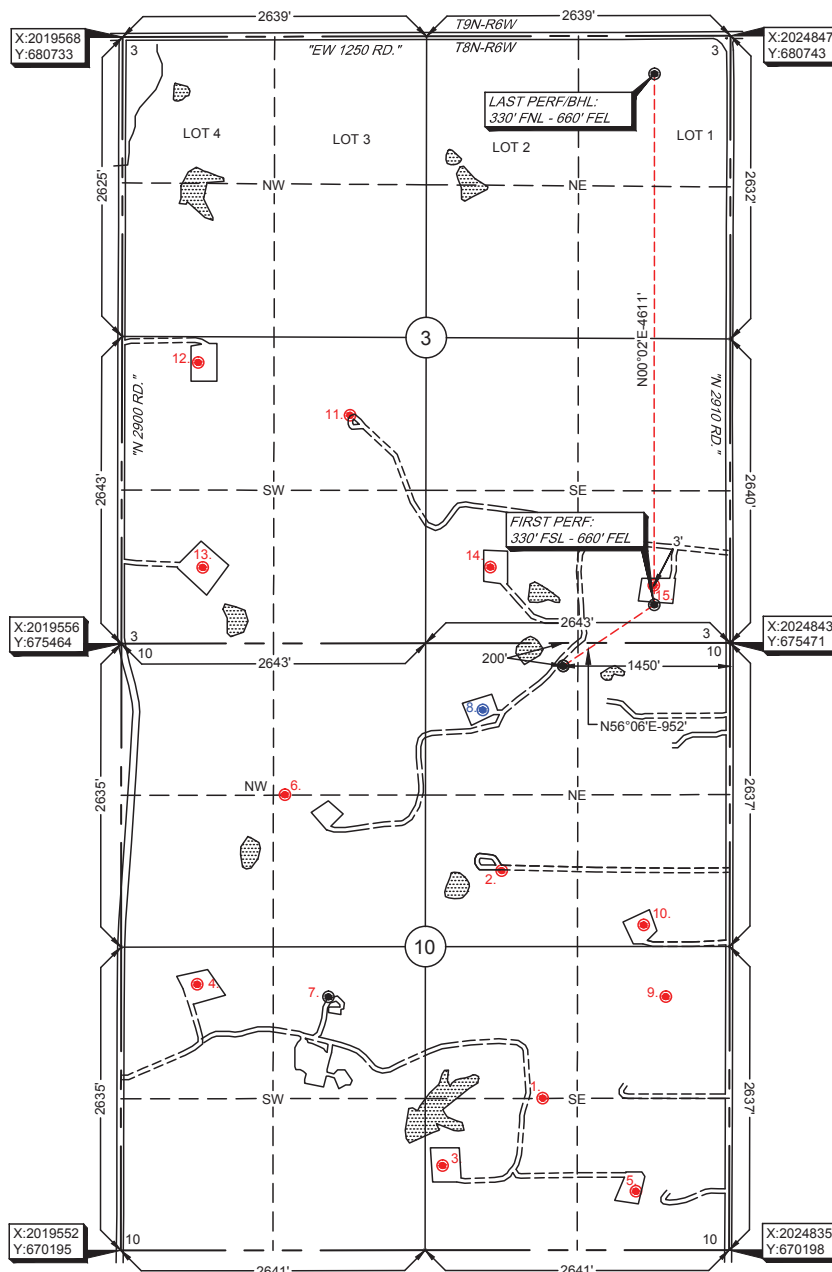
GPS DATUM
NAD 83
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°11'19.25"N
Lon: 97°48'58.67"W
X: 2023393
Y: 675270

First Perf:
Lat: 35°11'24.49"N
Lon: 97°48'49.13"W
X: 2024183
Y: 675801

Last Perf/BHL:
Lat: 35°12'10.10"N
Lon: 97°48'48.99"W
X: 2024186
Y: 680412

-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 Arkansas Surveying and Mapping promptly if any inaccuracy is determined. GPS data is observed from RTK - GPS, NAD83 and a "data source" location for Section Corners may not have been observed. The "data source" location for Section Corners may have been observed from GNSS, but not from RTK - GPS. The "data source" location for Quarter Section delonations may be assumed from a Government Survey Plat or assumed that a proportional 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 #7536
Date Staked: 12/15/17 By: D.A.
Date Drawn: 12/21/17 By: K.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

12/21/17

OK LPLS 1664

