

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

API NUMBER: 051 24501

Approval Date: 10/19/2018

Expiration Date: 04/19/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 9N Rge: 7W

County: GRADY

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 288 538

Lease Name: WAYMAN TISDALE 0907 12-13

Well No: 1MXH

Well will be 288 feet from nearest unit or lease boundary.

Operator Name: CAMINO NATURAL RESOURCES LLC

Telephone: 7204052706

OTC/OCC Number: 24097 0

CAMINO NATURAL RESOURCES LLC
1401 17TH ST STE 1000
DENVER, CO 80202-1247

T. L. & DANA HARTLEY
4716 NORTH MCMILLAN
BETHANY OK 73008

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11617	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803133
201803134
201803132
201803130

Special Orders:

Total Depth: 22300

Ground Elevation: 1277

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 300

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: 18-35571

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 13 Twp 9N Rge 7W County GRADY

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 100

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 11158

Radius of Turn: 573

Direction: 178

Total Length: 10242

Measured Total Depth: 22300

True Vertical Depth: 11991

End Point Location from Lease,
Unit, or Property Line: 100

Notes:

Category

Description

DEEP SURFACE CASING

10/12/2018 - GA8 - 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

10/12/2018 - GA8 - 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

10/12/2018 - GA8 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201803130

10/18/2018 - G75 - (640)(HOR) 13-9N-7W
VAC OTHER
VAC 153950 MSSLM
EXT 662438 MSSP, OTHERS
COMPL. INT. NLT 660' FB
REC 10-10-2018 (DENTON)

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.

051 24501 WAYMAN TISDALE 0907 12-13
1MXH

Category	Description
PENDING CD - 201803132	10/18/2018 - G75 - (I.O.) 12 & 13-9N-7W X201803134 MSSP, OTHERS 12-9N-7W X201803130 MSSP, OTHERS 13-9N-7W COMPL. INT. (12-9N-7W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (13-9N-7W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL CAMINO NATURAL RESOURCES, LLC REC 10-10-2018 (DENTON)
PENDING CD - 201803133	10/18/2018 - G75 - (I.O.) 12 & 13-9N-7W EST MULTIUNIT HORIZONTAL WELL X201803134 MSSP, OTHERS 12-9N-7W X201803130 MSSP, OTHERS 13-9N-7W 50% 12-9N-7W 50% 13-9N-7W CAMINO NATURAL RESOURCES, LLC REC 10-1-2018 (MILLER)
PENDING CD - 201803134	10/18/2018 - G75 - (640)(HOR) 12-9N-7W VAC OTHER VAC 333230 MSSLM ** EXT 662438 MSSP, OTHERS COMPL. INT. NLT 660' FB REC 10-10-2018 (DENTON) ** SHOULD ALSO VAC OR COEXIST 333230 CSTR; MOTION TO RE-OPEN ON 10-26-2018 AND COEXIST 333230 CSTR HAS BEEN FILED BY ATTORNEY FOR OPERATOR AND A COPY REVIEWED BY OCC (OK'D PER MCCOY)
WELL NUMBER	10/19/2018 - G75 - 1MXH PER OPERATOR

Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name and No.: WAYMAN TISDALE 0907 12-13 1MXH

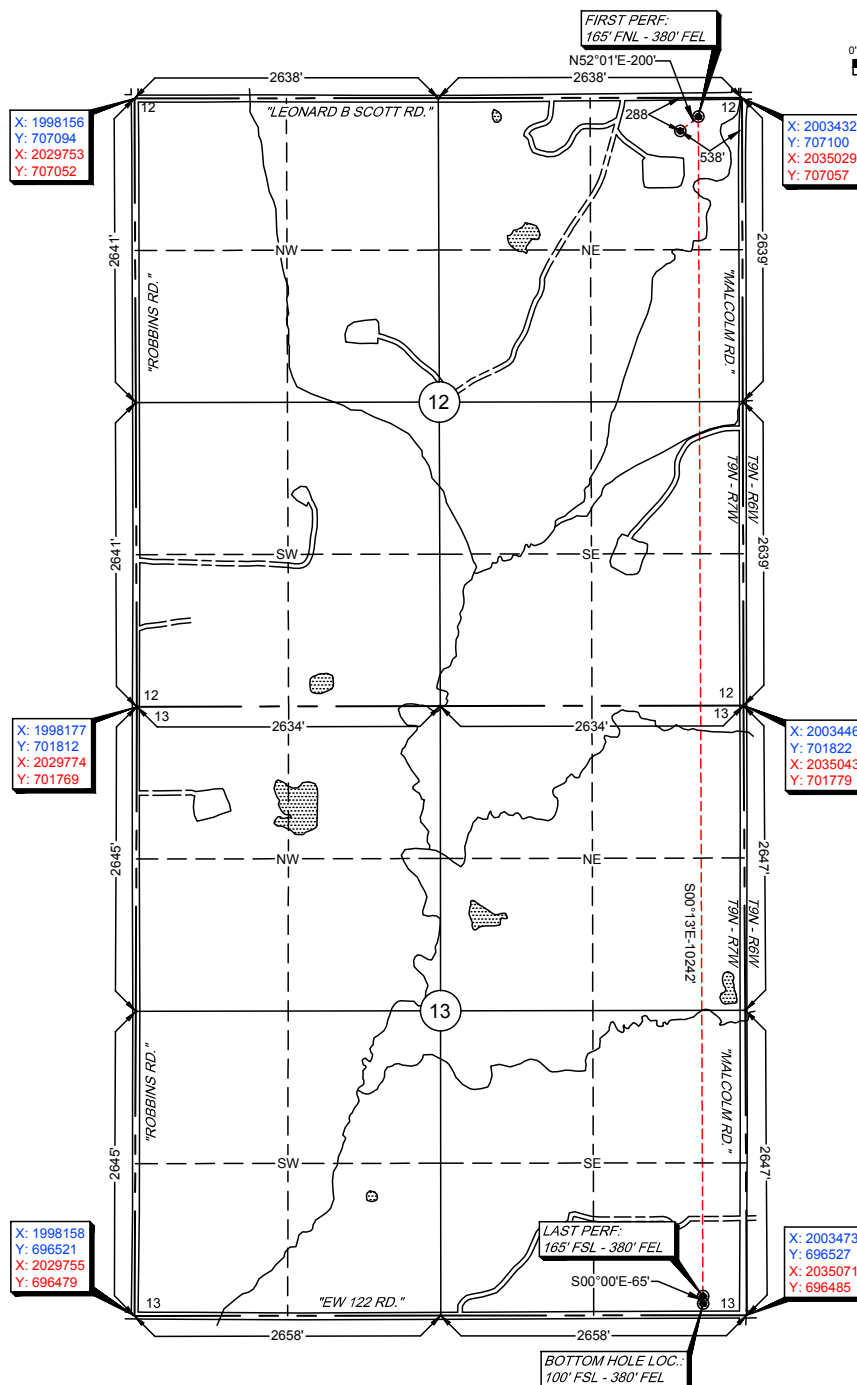
Footage: 288' FNL - 538' FEL Gr. Elevation: $\pm 1277'$

Section: 12 Township: 9N Range: 7W I.M.

County: Grady State of Oklahoma

Terrain at Loc.: Location fell in an open pasture, North of an old location and West of an existing pipeline.

API 051-24501

All bearings shown
are grid bearings.
 0' 660' 1320' 1980'
 1" = 1320'


GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:

Lat: 35°16'31.51"N

Lon: 97°53'05.18"W

X: 2002895

Y: 706811

Surface Hole Loc.:

Lat: 35°16'31.29"N

Lon: 97°53'04.02"W

X: 2034492

Y: 706769

First Perf:

Lat: 35°16'32.72"N

Lon: 97°53'03.28"W

X: 2003053

Y: 706934

First Perf:

Lat: 35°16'32.50"N

Lon: 97°53'02.12"W

X: 2034650

Y: 706892

Last Perf:

Lat: 35°14'51.42"N

Lon: 97°53'02.94"W

X: 2003093

Y: 696692

Last Perf:

Lat: 35°14'51.20"N

Lon: 97°53'01.78"W

X: 2034690

Y: 696650

Bottom Hole Loc.:

Lat: 35°14'50.78"N

Lon: 97°53'02.94"W

X: 2003093

Y: 696627

Bottom Hole Loc.:

Lat: 35°14'50.56"N

Lon: 97°53'01.77"W

X: 2034690

Y: 696585

-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, 2020

Invoice #8023

Date Staked: 07/31/18 By: H.S.

Date Drawn: 08/06/18 By: J.K.

Revise SHL: 09/13/18 By: C.K.

Revise Lease #: 10/19/18 By: R.M.

NOTE

SURFACE HOLE FOOTAGE SHOWN
 HEREON WAS NOT STAKED ON THE
 GROUND. ELEVATION SHOWN MAY NOT
 BE ACCURATE.

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

10/19/18

OK LPLS 1664

