

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

API NUMBER: 051 24704 A

Approval Date: 08/29/2019
Expiration Date: 02/28/2021

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: EXTEND LATERAL TO 18-10N-7W, UPDATE
ORDERS, CORRECT LAND APPLICATION PERMIT NUMBER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 10N Rge: 7W

County: GRADY

SPOT LOCATION: SW SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 282 725

Lease Name: TROY AIKMAN 1007 30-19

Well No: 1MH

Well will be 282 feet from nearest unit or lease boundary.

Operator CAMINO NATURAL RESOURCES LLC
Name:

Telephone: 7204052706

OTC/OCC Number: 24097 0

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

MICHAEL L WRIGHT
1201 GIN ROAD
MINCO OK 73059

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	12052	6	
2	WOODFORD	12258	7	
3			8	
4			9	
5			10	

Spacing Orders: 98732
595081
700618
700615
107705

Location Exception Orders:

Increased Density Orders: 696350

Pending CD Numbers: 201810617
201904512
201904511

Special Orders:

Total Depth: 25501 Ground Elevation: 1297

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 190

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 19-36855

H. SEE MEMO

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

The duration of this permit is 18 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 18 Twp 10N Rge 7W County GRADY

Spot Location of End Point: NE SW SW NW

Feet From: NORTH 1/4 Section Line: 2281

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 11475

Radius of Turn: 398

Direction: 355

Total Length: 13400

Measured Total Depth: 25501

True Vertical Depth: 12258

End Point Location from Lease,
Unit, or Property Line: 380

Notes:

Category

Description

DEEP SURFACE CASING

7/31/2019 - 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

7/31/2019 - 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: OCCWEB.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

INCREASED DENSITY - 696350

9/17/2019 - GC2 - 18-10N-7W
X107705*** MSSLM
1 WELL
NO OP. NAMED
5-17-2019

*** S/B 98732/107705, NPT WILL BE FILED BY ATTORNEY FOR OPERATOR

MEMO

7/31/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - BUGGY CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

The duration of this permit is 18 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 24704 TROY AIKMAN 1007 30-19 1MH

PENDING CD - 201810617	8/26/2019 - GC2 - 19-10N-7W X98732 MSSLM 1 WELL NO OP. NAMED REC. 7-23-2019 (P. PORTER)
PENDING CD - 201904511	9/17/2019 - GC2 - (E.O.) 18, 19 & 30-10N-7W X98732*** MSSLM 18, 19 & 30-10N-7W X700615 WDFD 18-10N-7W X595081 WDFD 19-10N-7W X700618 WDFD 30-10N-7W COMPL. INT. (30-10N-7W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (19-10N-7W) NCT 0' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (18-10N-7W) NCT 0' FSL, NCT 1,980' FNL, NCT 330' FWL CAMINO NATURAL RESOURCES, LLC REC. 9-13-2019 (THOMAS) *** S/B 98732/107705, WILL BE CHANGED AT INTERIM HEARING BY ATTORNEY FOR OPERATOR.
PENDING CD - 201904512	9/17/2019 - GC2 - (E.O.) 18, 19 & 30-10N-7W EST MULTIUNIT HORIZONTAL WELL X98732*** MSSLM 18, 19 & 30-10N-7W X700615 WDFD 18-10N-7W X595081 WDFD 19-10N-7W X700618 WDFD 30-10N-7W (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSLM) 22.68% 18-10N-7W 39.91% 19-10N-7W 37.41% 30-10N-7W CAMINO NATURAL RESOURCES, LLC REC. 9-13-2019 (THOMAS) *** S/B 98732/107705, WILL BE CHANGED AT INTERIM HEARING BY ATTORNEY FOR OPERATOR.
SPACING - 107705	9/17/2019 - GC2 - (640) 18 & 19 & 30-10N-7W CONFIRM SP #98732 FOR MSSLM
SPACING - 595081	8/26/2019 - GC2 - (640)(HOR) 19-10N-7W EST WDFD COMPL. INT. NCT 165' FNL/FSL, NCT 330' FWL/FEL
SPACING - 700615	9/17/2019 - GC2 - (640)(HOR) 18-10N-7W EXT 595081 WDFD COMPL. INT. NLT 165' FNL/FSL, NLT 330' FEL/FWL
SPACING - 700618	8/26/2019 - GC2 - (640)(HOR) 30-10N-7W EXT 595081 WDFD COMPL. INT. NLT 165' FNL/FSL, NLT 330' FWL/FEL
SPACING - 98732	9/17/2019 - GC2 - (640) 18 & 19 & 30-10N-7W EST MSSLM, OTHERS



Well Location Plat

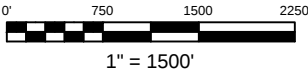
S.H.L. Sec. 30-10N-7W I.M.
B.H.L. Sec. 18-10N-7W I.M.

Operator: CAMINO NATURAL RESOURCES, LLC
Lease Name and No.: TROY AIKMAN 1007 30-19 1MH
Footage: 282' FSL - 725' FWL Gr. Elevation: 1297'
Section: 30 Township: 10N Range: 7W I.M.
County: Grady State of Oklahoma
Terrain at Loc.: Location fell in an open field with natural drainage to the East and West.

API: 051-24704A



All bearings shown
are grid bearings.



GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°18'21.59"N
Lon: 97°59'12.13"W
Lat: 35.30599810
Lon: -97.98670381
X: 1972467
Y: 717923

Surface Hole Loc.:
Lat: 35°18'21.38"N
Lon: 97°59'10.96"W
Lat: 35.30593907
Lon: -97.98637838
X: 2004065
Y: 717881

First Take Point:
Lat: 35°18'20.43"N
Lon: 97°59'16.29"W
Lat: 35.30567557
Lon: -97.98785810
X: 1972123
Y: 717805

First Take Point:
Lat: 35°18'20.22"N
Lon: 97°59'15.12"W
Lat: 35.30561654
Lon: -97.98753265
X: 2003720
Y: 717763

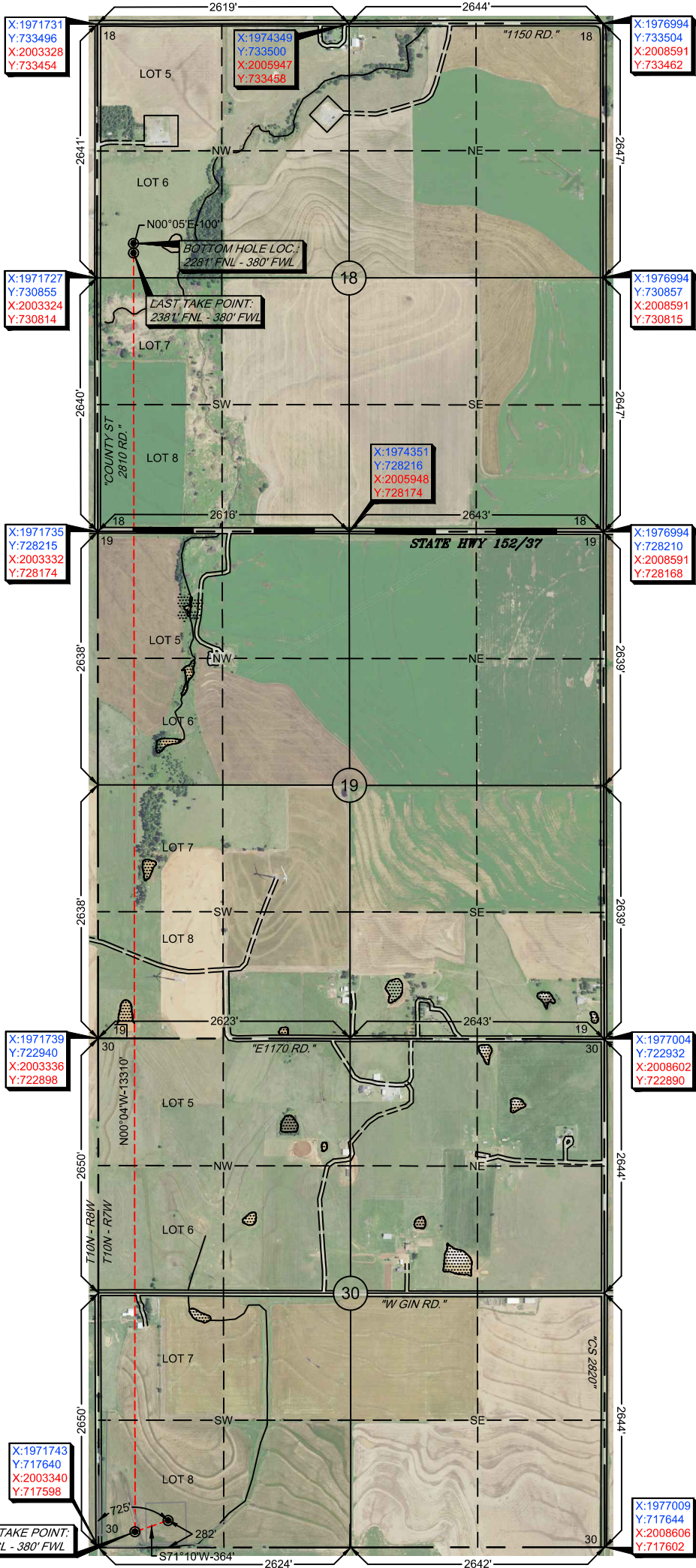
Last Take Point:
Lat: 35°20'32.07"N
Lon: 97°59'16.46"W
Lat: 35.34224165
Lon: -97.98790631
X: 1972107
Y: 731115

Last Take Point:
Lat: 35°20'31.86"N
Lon: 97°59'15.29"W
Lat: 35.34218386
Lon: -97.98758045
X: 2003704
Y: 731074

Bottom Hole Loc.:
Lat: 35°20'33.06"N
Lon: 97°59'16.46"W
Lat: 35.34251637
Lon: -97.98790577
X: 1972107
Y: 731215

Bottom Hole Loc.:
Lat: 35°20'32.85"N
Lon: 97°59'15.29"W
Lat: 35.34245859
Lon: -97.98757991
X: 2003704
Y: 731174

-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.

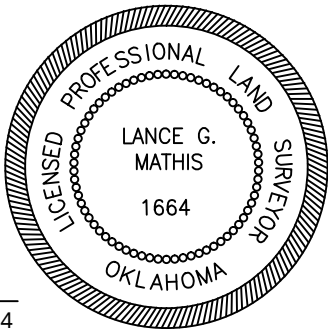


Survey and plat by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2020

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.

Invoice #8459-A
Date Staked: 07/19/19 By: D.W.
Date Drawn: 07/22/19 By: K.M.
Revised LP & BHL: 09/16/19 By: J.C.

LANCE G. MATHIS
09/17/19
OK LPLS 1664

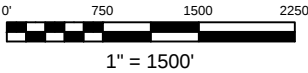




Well Location Plat

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B.H.L. Sec. 18-10N-7W I.M.

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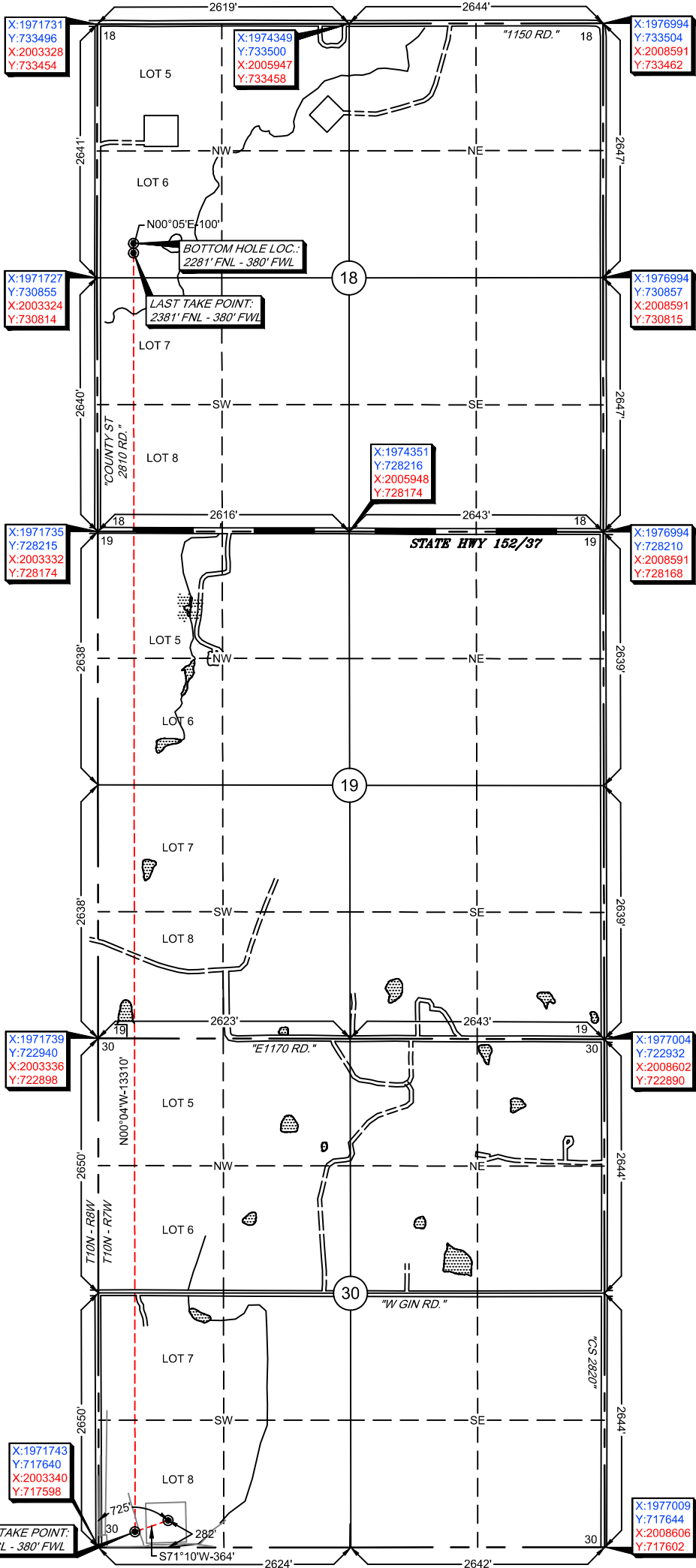
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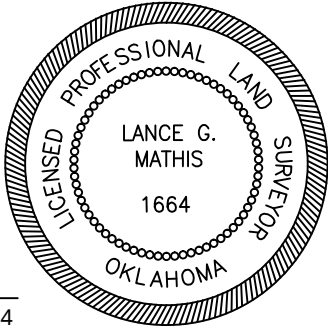


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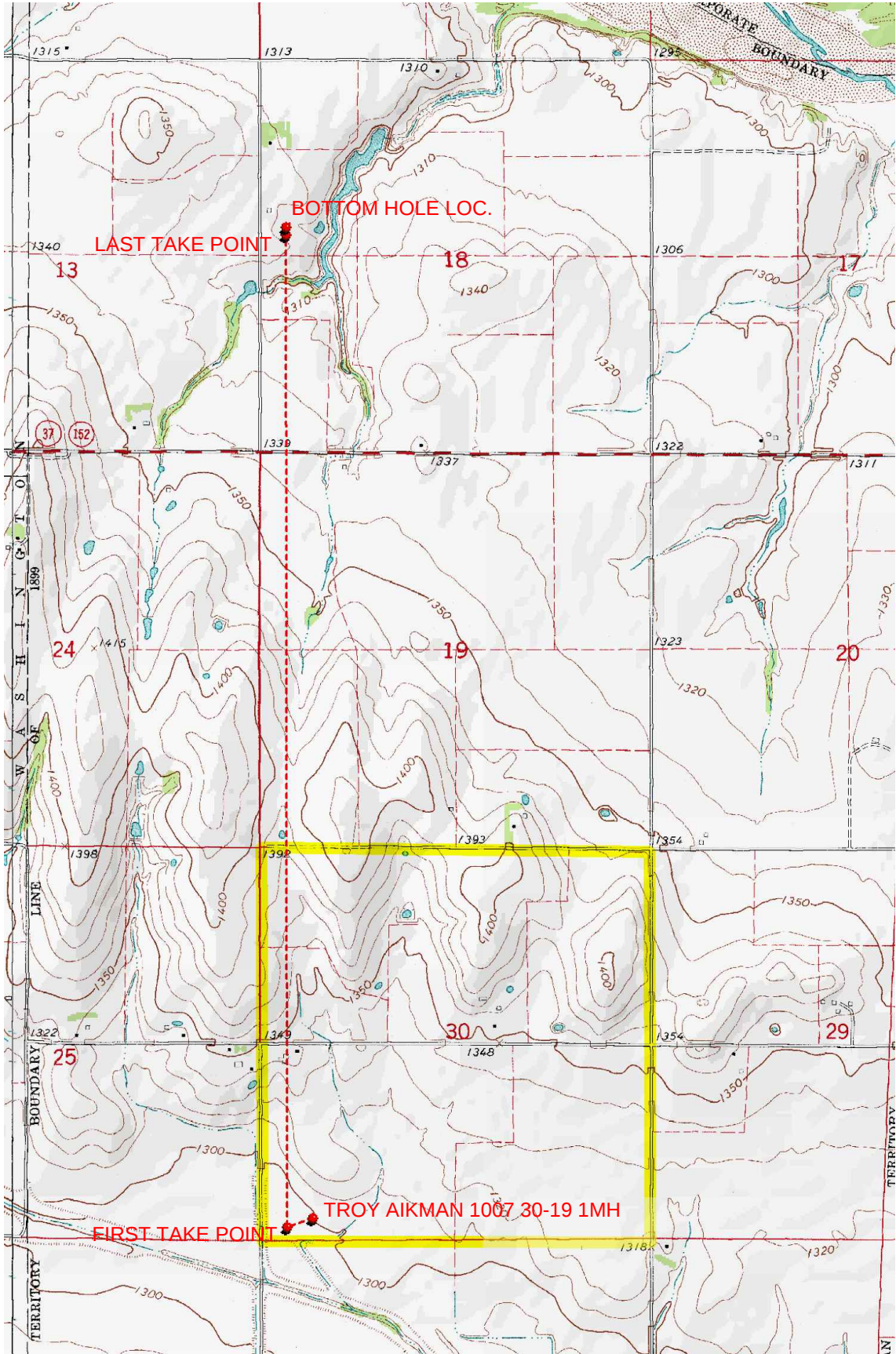
Topographic Vicinity Map

Operator: CAMINO NATURAL RESOURCES, LLC
Lease Name and No.: TROY AIKMAN 1007 30-19 1MH
Surface Hole Location: 282' FSL - 725' FWL
First Take Point: 165' FSL - 380' FWL
Sec. 30 Twp. 10N Rng. 7W I.M.
Last Take Point: 2381' FNL - 380' FWL
Bottom Hole Location: 2281' FNL - 380' FWL
Sec. 18 Twp. 10N Rng. 7W I.M.
County: Grady State of Oklahoma



Ground Elevation at Surface Hole Location: 1297'

Scale 1" = 2000'
Contour Interval: 10'



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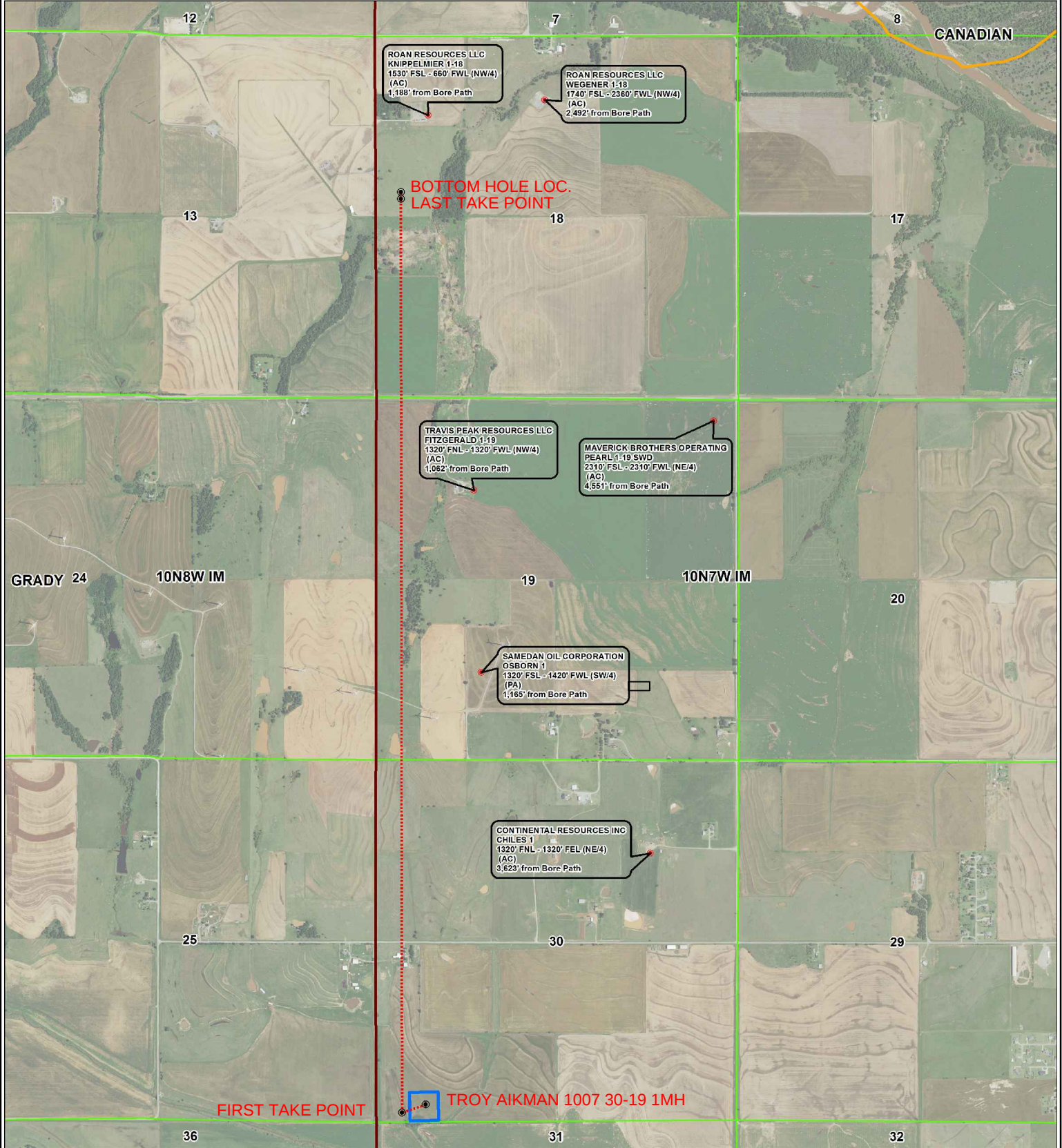
Certificate of Authorization No. 5348
Expires June 30, 2020
Date Staked: 07/19/19

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.
Please note that this location was staked carefully on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.
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0 1,000 2,000
Feet



County Highway Vicinity Map

CAMINO

Job #: 8459-A

Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name and No.: TROY AIKMAN 1007 30-19 1MH

Accessibility: From the North.

Directions: From the junction of State HWY 37 & US HWY 81 in the town of Minco, OK, go 0.5 miles West on "Main St", 350ft South on "S 10th St", 2.0 miles West on "W Gin Rd", then go 0.5 miles South on "County St 2810" to the Southwest Quarter of Section 30-10N-7W on the East side of the road.

1 inch = 0.5 mile

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