

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

API NUMBER: 017 25576

Approval Date: 12/16/2019

Expiration Date: 06/16/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 13N Rge: 7W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 335 335

Lease Name: GERONIMO 1207

Well No: 6-4WH

Well will be 335 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

NORMA LEE HARDY 2002 IRV TRUST, LEE ANN H  
PARKER, TSTEE  
PO BOX 618  
AZLE TX 76098

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

Name	Depth	Name	Depth
1 WOODFORD	10245	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 665725

Location Exception Orders:

Increased Density Orders: 705849

Pending CD Numbers: 201904933

Special Orders:

Total Depth: 15264

Ground Elevation: 1336

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 300

Deep surface casing has been approved

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: 19-37110

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 06 Twp 12N Rge 7W County CANADIAN

Spot Location of End Point: SE SE SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1500

Depth of Deviation: 9512

Radius of Turn: 493

Direction: 180

Total Length: 4978

Measured Total Depth: 15264

True Vertical Depth: 10286

End Point Location from Lease,  
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

12/2/2019 - 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

12/2/2019 - 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: [OCCEWEB.COM/OG/OGFORMS.HTML](http://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](http://FRACFOCUS.ORG)

INCREASED DENSITY - 705849 (201904930)

12/16/2019 - GC2 - 6-12N-7W  
X665725 WDFD  
2 WELLS  
NO OP. NAMED  
12-3-2019

MEMO

12/2/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), 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.

017 25576 GERONIMO 1207 6-4WH

PENDING CD - 201904933

12/16/2019 - GC2 - (I.O.) 6-12N-7W

X665725 WDFD

XOTHER

X165:10-3-28(C)(2)(B) WDFD, OTHER MAY BE CLOSER THAN 600' TO VON TUNGELN 6-2

COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1,770' FEL

NO OP. NAMED

REC 10-22-2019 (MILLER)

SPACING - 665725

12/10/2019 - GC2 - (640)(HOR) 6-12N-7W

EXT 644443 WDFD

COMPL. INT. NLT 165' FNL/FSL, NLT 330' FEL/FWL

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.

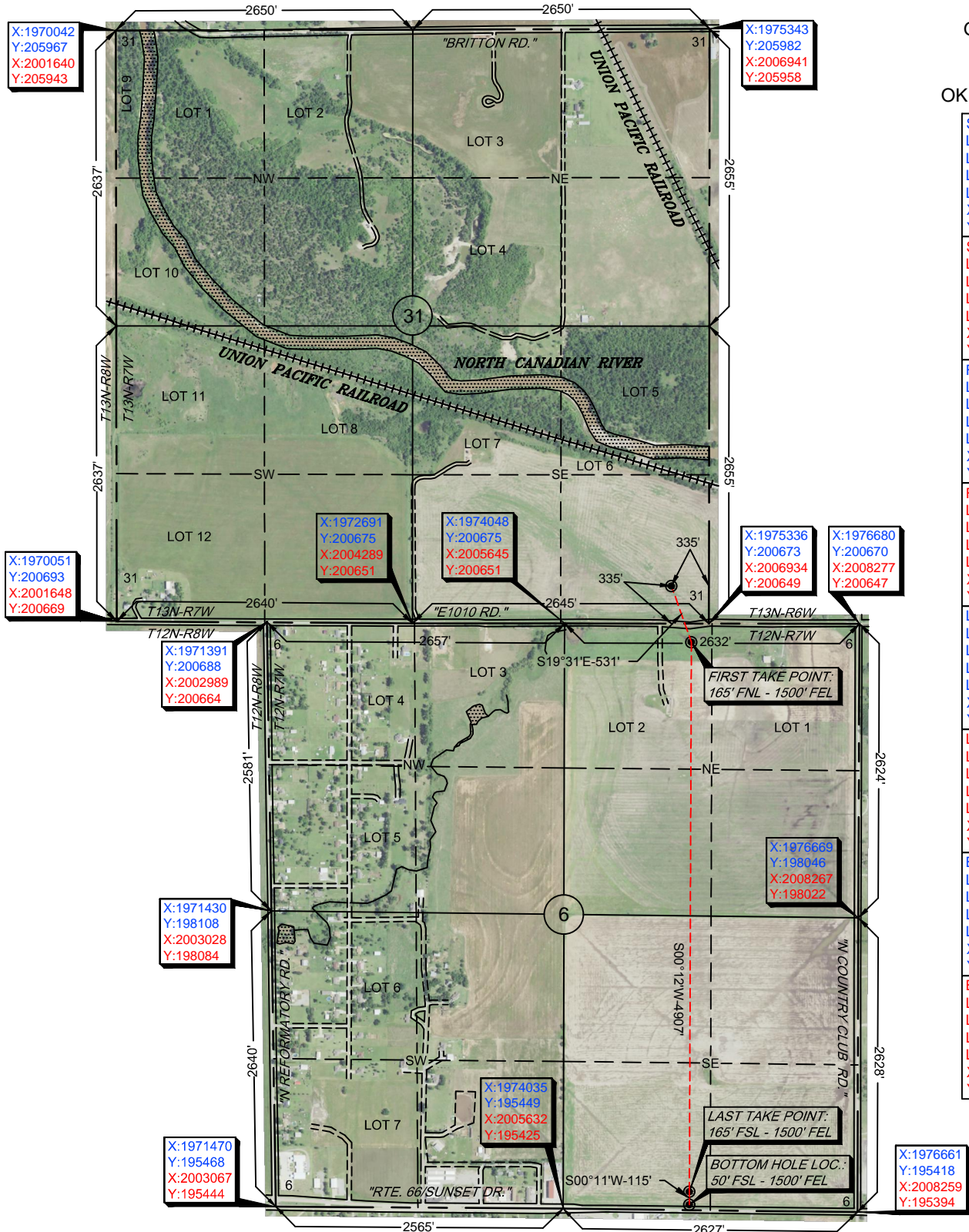
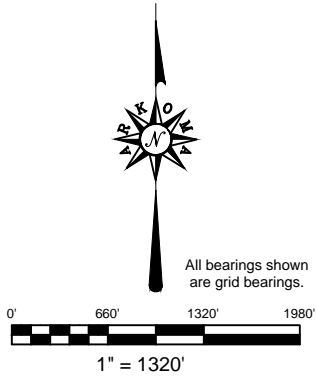
CAMINO

Well Location Plat

Operator: CAMINO NATURAL RESOURCES, LLC  
Lease Name and No.: GERONIMO 1207 6-4WH  
Footage: 335' FSL - 335' FEL    Gr. Elevation: 1336'  
Section: 31    Township: 13N    Range: 7W    I.M.  
County: Canadian    State of Oklahoma  
Terrain at Loc.: Location fell in an open crop field with drainage to the South.

S.H.L. Sec. 31-13N-7W I.M.  
B.H.L. Sec. 6-12N-7W I.M.

API: 017-25576



GPS DATUM  
NAD 83  
NAD 27  
OK NORTH ZONE

Surface Hole Loc.: Lat: 35°33'07.88"N Lon: 97°58'41.32"W Lat: 35.55218944 Lon: -97.97814386 X: 1975002 Y: 201008
Surface Hole Loc.: Lat: 35°33'07.70"N Lon: 97°58'40.14"W Lat: 35.55213835 Lon: -97.97781588 X: 2006599 Y: 200984
First Take Point: Lat: 35°33'02.93"N Lon: 97°58'39.17"W Lat: 35.55081444 Lon: -97.97754804 X: 1975179 Y: 200508
First Take Point: Lat: 35°33'02.75"N Lon: 97°58'37.99"W Lat: 35.55076332 Lon: -97.97722008 X: 2006777 Y: 200484
Last Take Point: Lat: 35°32'14.40"N Lon: 97°58'39.39"W Lat: 35.53733380 Lon: -97.97760955 X: 1975162 Y: 195601
Last Take Point: Lat: 35°32'14.22"N Lon: 97°58'38.21"W Lat: 35.53728229 Lon: -97.97728176 X: 2006760 Y: 195577
Bottom Hole Loc.: Lat: 35°32'13.26"N Lon: 97°58'39.40"W Lat: 35.53701786 Lon: -97.97761084 X: 1975162 Y: 195486
Bottom Hole Loc.: Lat: 35°32'13.08"N Lon: 97°58'38.22"W Lat: 35.53696633 Lon: -97.97728306 X: 2006759 Y: 195462

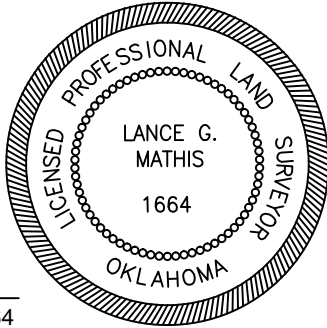
-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.  
-NOTE: 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 #8887-B-A  
Date Staked: 10/10/19 By: J.W.  
Date Drawn: 10/16/19 By: M.K.  
Revised SHL: 11/12/19 By: C.K.  
Revised SHL: 11/22/19 By: J.C.  
Revised Lease Name: 12/09/19 By: K.M.

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  
12/10/19  
OK LPLS 1664







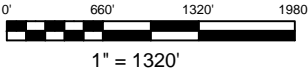
# Well Location Plat

S.H.L. Sec. 31-13N-7W I.M.  
B.H.L. Sec. 6-12N-7W I.M.

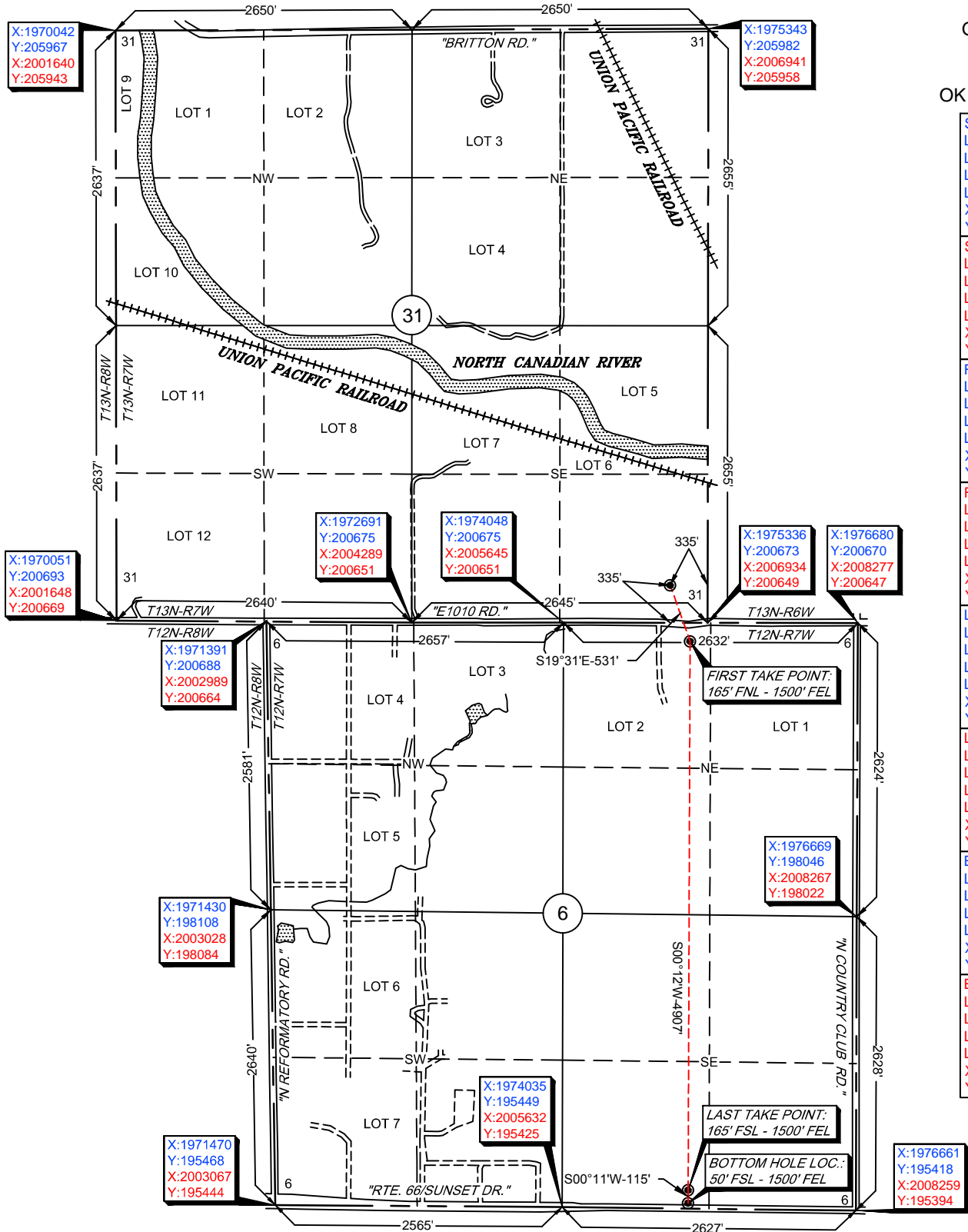
Operator: CAMINO NATURAL RESOURCES, LLC  
Lease Name and No.: GERONIMO 1207 6-4WH  
Footage: 335' FSL - 335' FEL Gr. Elevation: 1336'  
Section: 31 Township: 13N Range: 7W I.M.  
County: Canadian State of Oklahoma  
Terrain at Loc.: Location fell in an open crop field with drainage to the South.



All bearings shown  
are grid bearings.



GPS DATUM  
NAD 83  
NAD 27  
OK NORTH ZONE



Surface Hole Loc.: Lat: 35°33'07.88"N Lon: 97°58'41.32"W Lat: 35.55218944 Lon: -97.97814386 X: 1975002 Y: 201008
Surface Hole Loc.: Lat: 35°33'07.70"N Lon: 97°58'40.14"W Lat: 35.55213835 Lon: -97.97781588 X: 2006599 Y: 200984
First Take Point: Lat: 35°33'02.93"N Lon: 97°58'39.17"W Lat: 35.55081444 Lon: -97.97754804 X: 1975179 Y: 200508
First Take Point: Lat: 35°33'02.75"N Lon: 97°58'37.99"W Lat: 35.55076332 Lon: -97.97722008 X: 2006777 Y: 200484
Last Take Point: Lat: 35°32'14.40"N Lon: 97°58'39.39"W Lat: 35.53733380 Lon: -97.97760955 X: 1975162 Y: 195601
Last Take Point: Lat: 35°32'14.22"N Lon: 97°58'38.21"W Lat: 35.53728229 Lon: -97.97728176 X: 2006760 Y: 195577
Bottom Hole Loc.: Lat: 35°32'13.26"N Lon: 97°58'39.40"W Lat: 35.53701786 Lon: -97.97761084 X: 1975162 Y: 195486
Bottom Hole Loc.: Lat: 35°32'13.08"N Lon: 97°58'38.22"W Lat: 35.53696633 Lon: -97.97728306 X: 2006759 Y: 195462

-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

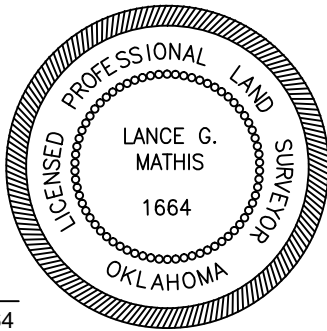
Invoice #8887-B-A  
Date Staked: 10/10/19 By: J.W.  
Date Drawn: 10/16/19 By: M.K.  
Revised SHL: 11/12/19 By: C.K.  
Revised SHL: 11/22/19 By: J.C.  
Revised Lease Name: 12/09/19 By: K.M.

## 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

12/10/19  
OK LPLS 1664



Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name and No.: GERONIMO 1207 6-4WH

Surface Hole Location: 335' FSL - 335' FEL

Sec. 31 Twp. 13N Rng. 7W I.M.

First Take Point: 165' FNL - 1500' FEL

Last Take Point: 165' FSL - 1500' FEL

Bottom Hole Location: 50' FSL - 1500' FEL

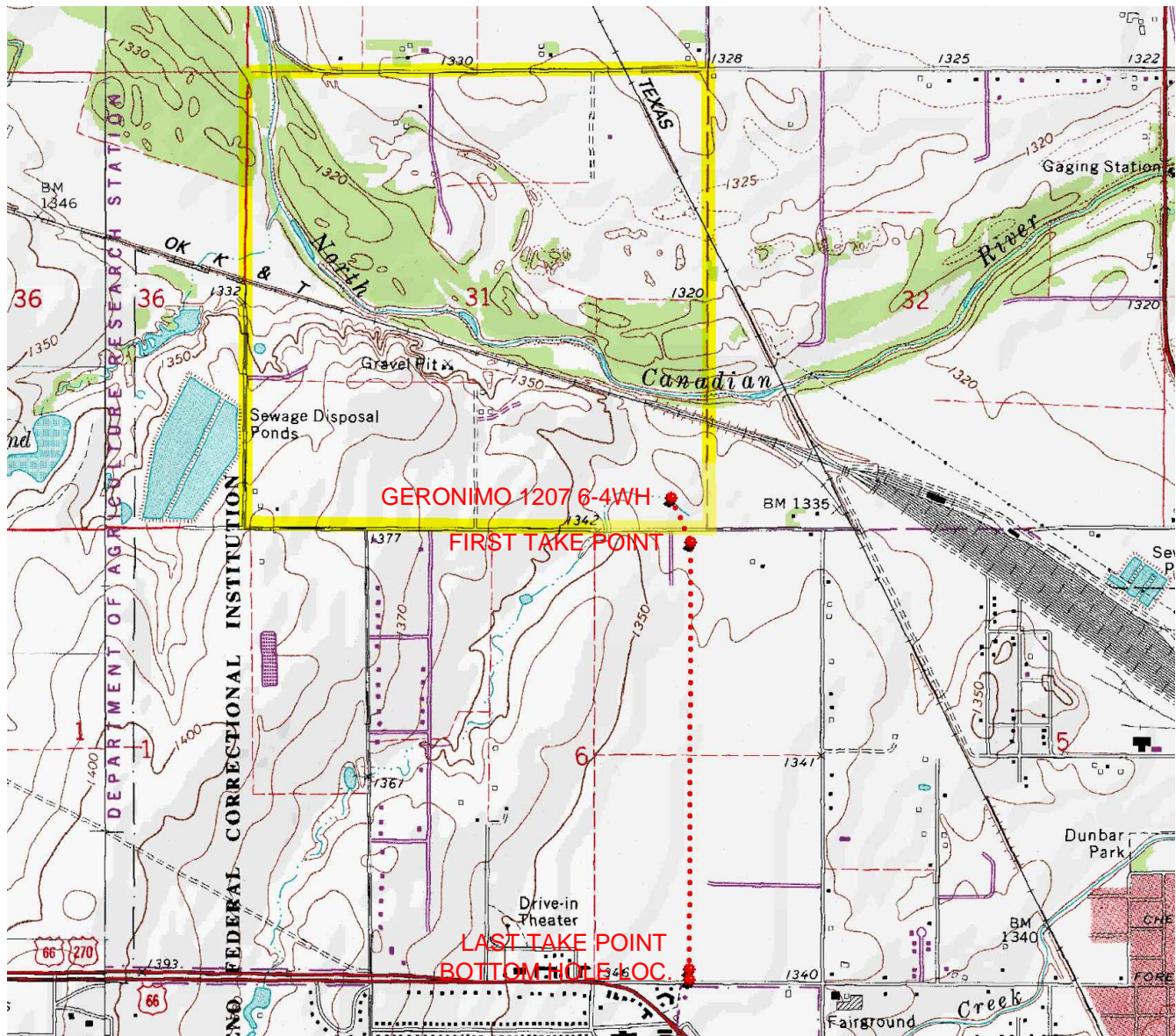
Sec. 6 Twp. 12N Rng. 7W I.M.

County: Canadian      State of Oklahoma



Scale 1" = 2000'  
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 1336'



Provided 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

Date Staked: 10/24/19

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.

Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined.



Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name and No.: GERONIMO 1207 6-4WH

Surface Hole Location: 335' FSL - 335' FEL

Sec. 31 Twp. 13N Rng. 7W I.M.

First Take Point: 165' FNL - 1500' FEL

Last Take Point: 165' FSL - 1500' FEL

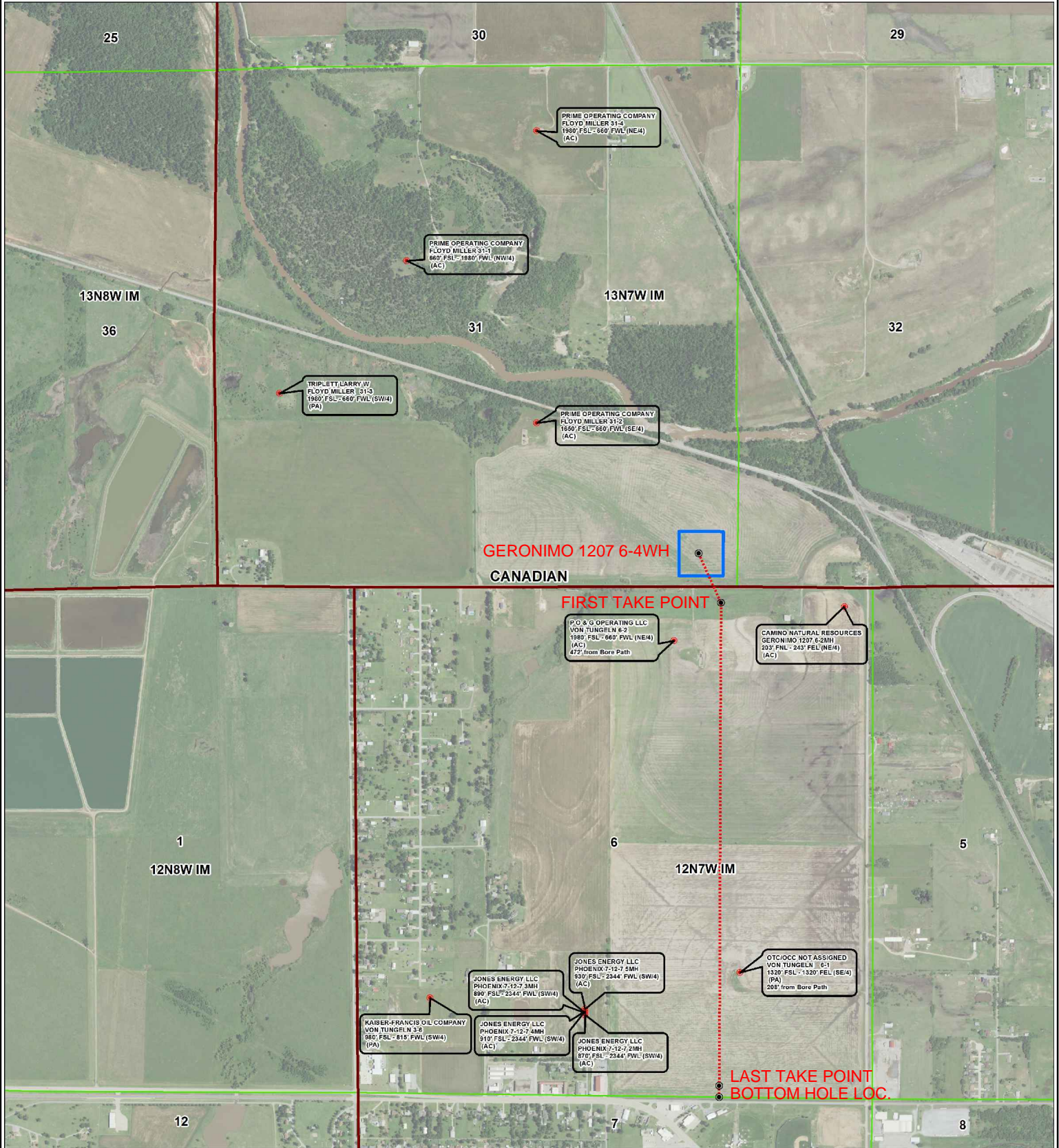
Bottom Hole Location: 50' FSL - 1500' FEL

Sec. 6 Twp. 12N Rng. 7W I.M.

County: Canadian State of Oklahoma



0 750 1,500  
Feet





# County Highway Vicinity Map

CAMINO

Job #: 8887-B-A

Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name and No.: GERONIMO 1207 6-4WH

Accessibility: From the South.

Directions: From the junction of I-40 (BUS) & US HWY 81 in the town of El Reno, OK, go 0.3 miles North on US HWY 81, 1.0 mile West on "Foreman Rd", 1.0 mile North on "N Country Club Rd", then go 0.3 miles West on "EW 101 RD." to the Southeast Quarter of Section 31-13N-7W on the North side of the road.

1 inch = 0.5 mile

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

