

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

API NUMBER: 051 24627

Approval Date: 05/06/2019
Expiration Date: 11/06/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 9N Rge: 5W County: GRADY
SPOT LOCATION: NE NE NE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 2411 247

Lease Name: JOHN PHILLIPS 0905 31-6 Well No: 1MXH Well will be 247 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

BILLY RAGSDALE JR & LOIS RAGSDALE
1718 COUNTY ROAD 1250
TUTTLE OK 73089

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10623	6	
2	WOODFORD	10713	7	
3			8	
4			9	
5			10	

Spacing Orders: 677487

Location Exception Orders: 683132

Increased Density Orders:

Pending CD Numbers: 201902155

Special Orders:

Total Depth: 18657

Ground Elevation: 1405

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 380

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: CHICKASHA

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

PERMIT NO: 19-36518

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: CHICKASHA

HORIZONTAL HOLE 1

Sec 06 Twp 8N Rge 5W County GRADY

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 10200

Radius of Turn: 538

Direction: 183

Total Length: 7612

Measured Total Depth: 18657

True Vertical Depth: 11045

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

Notes:

Category

Description

DEEP SURFACE CASING

5/6/2019 - GB1 - 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

4/18/2019 - 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; 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 - 683132

4/24/2019 - GB1 - (I.O.) 31-9N-5W & 6-8N-5W
X677487 MSSP, WDFD
COMPL. INT. (31-9N-5W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL
COMPL. INT. (6-8N-5W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL
NEWFIELD EXPLORATION MID-CONTINENT INC
9/18/2018

MEMO

4/18/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

051 24627 JOHN PHILLIPS 0905 31-6 1MXH

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
PENDING CD - 201902155	4/24/2019 - GB1 - (E.O.) 31-9N-5W & 6-8N-5W X683132 CHANGING OPERATOR TO CAMINO NATURAL RESOURCES, LLC REC. 5/3/2019 (P. PORTER)
SPACING - 677487	4/24/2019 - GB1 - (1280) (HOR) 31-8N-5W & 6-8N-5W EST MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST SP. # 554356 MSSP, WDFD 6-8N-5W)

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.

Operator: CAMINO NATURAL RESOURCES, LLC
 Lease Name and No.: JOHN PHILLIPS 0905 31-6-1MXH
 Footage: 2411' FSL - 247' FEL Gr. Elevation: 1405'
 Section: 31 Township: 9N Range: 5W I.M.
 County: Grady State of Oklahoma
 Terrain at Loc.: Location fell in a flat open field.

API 051-24627

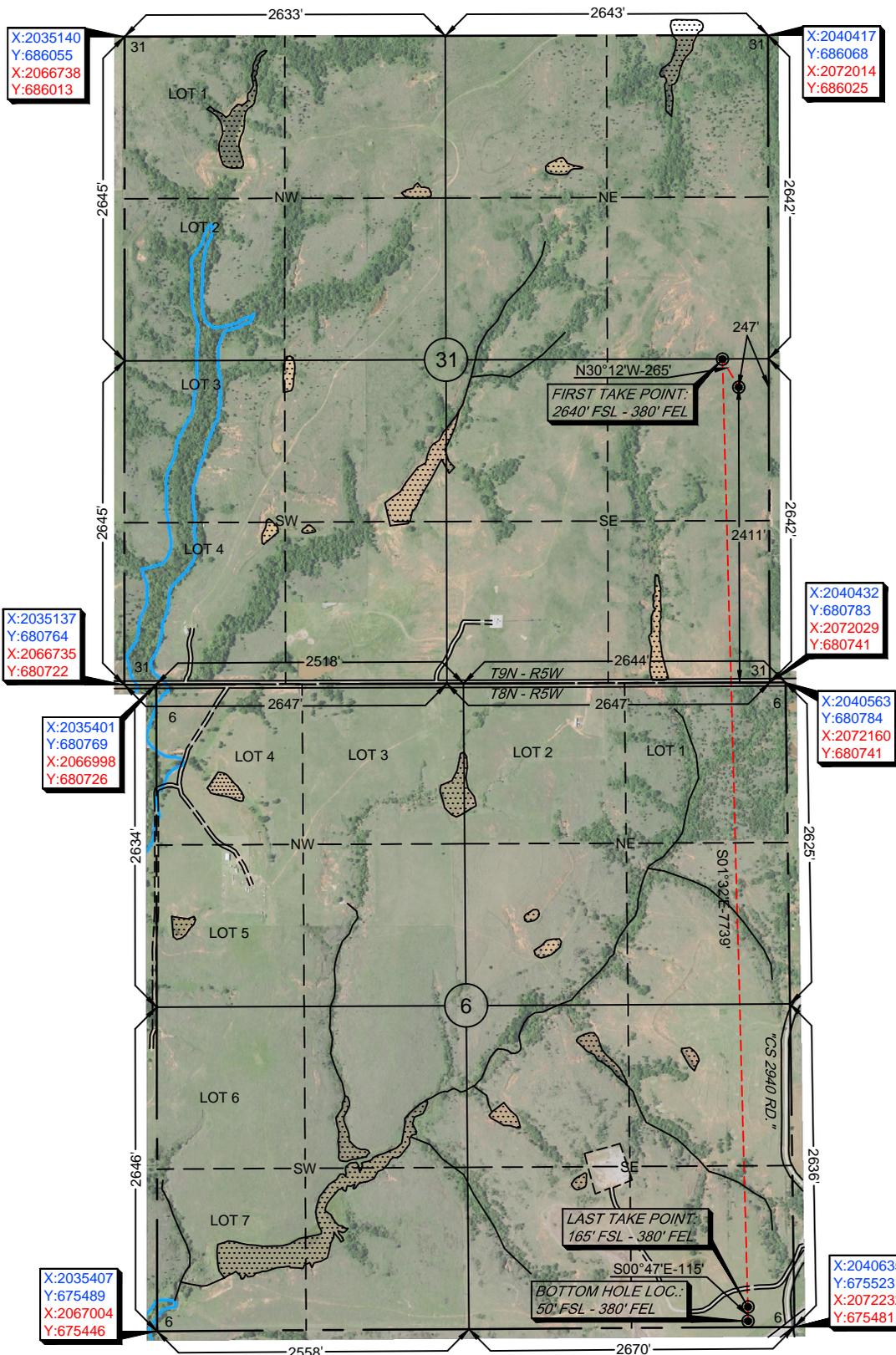


All bearings shown
are grid bearings.



1" = 1320'

GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE



Surface Hole Loc.:
 Lat: 35°12'37.28"N
 Lon: 97°45'36.22"W
 Lat: 35.21035425
 Lon: -97.76006033
 X: 2040177
 Y: 683194

Surface Hole Loc.:
 Lat: 35°12'37.04"N
 Lon: 97°45'35.07"W
 Lat: 35.21029023
 Lon: -97.75974084
 X: 2071775
 Y: 683151

First Take Point:
 Lat: 35°12'39.54"N
 Lon: 97°45'37.81"W
 Lat: 35.21098312
 Lon: -97.76050408
 X: 2040044
 Y: 683422

First Take Point:
 Lat: 35°12'39.31"N
 Lon: 97°45'36.66"W
 Lat: 35.21091912
 Lon: -97.76018458
 X: 2071642
 Y: 683180

Last Take Point:
 Lat: 35°11'23.02"N
 Lon: 97°45'35.52"W
 Lat: 35.18972676
 Lon: -97.75986774
 X: 2040253
 Y: 675686

Last Take Point:
 Lat: 35°11'22.78"N
 Lon: 97°45'34.37"W
 Lat: 35.18966236
 Lon: -97.75954848
 X: 2071850
 Y: 675643

Bottom Hole Loc.:
 Lat: 35°11'21.88"N
 Lon: 97°45'35.51"W
 Lat: 35.18941083
 Lon: -97.75986335
 X: 2040254
 Y: 675571

Bottom Hole Loc.:
 Lat: 35°11'21.65"N
 Lon: 97°45'34.36"W
 Lat: 35.18934642
 Lon: -97.75954410
 X: 2071852
 Y: 675528

-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

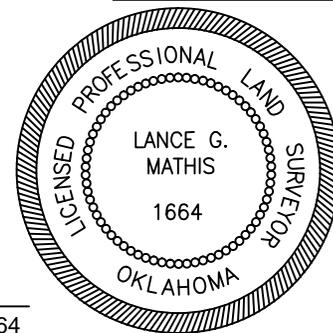
Certification:

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.

Lance G. Mathis
 LANCE G. MATHIS

04/09/19

OK LPLS 1664



Invoice # 8573-B

Date Staked: 04/01/19 By: D.K.
 Date Drawn: 04/05/19 By: E.W.

Operator: CAMINO NATURAL RESOURCES, LLC
 Lease Name and No.: JOHN PHILLIPS 0905 31-6-1MXH
 Footage: 2411' FSL - 247' FEL Gr. Elevation: 1405'
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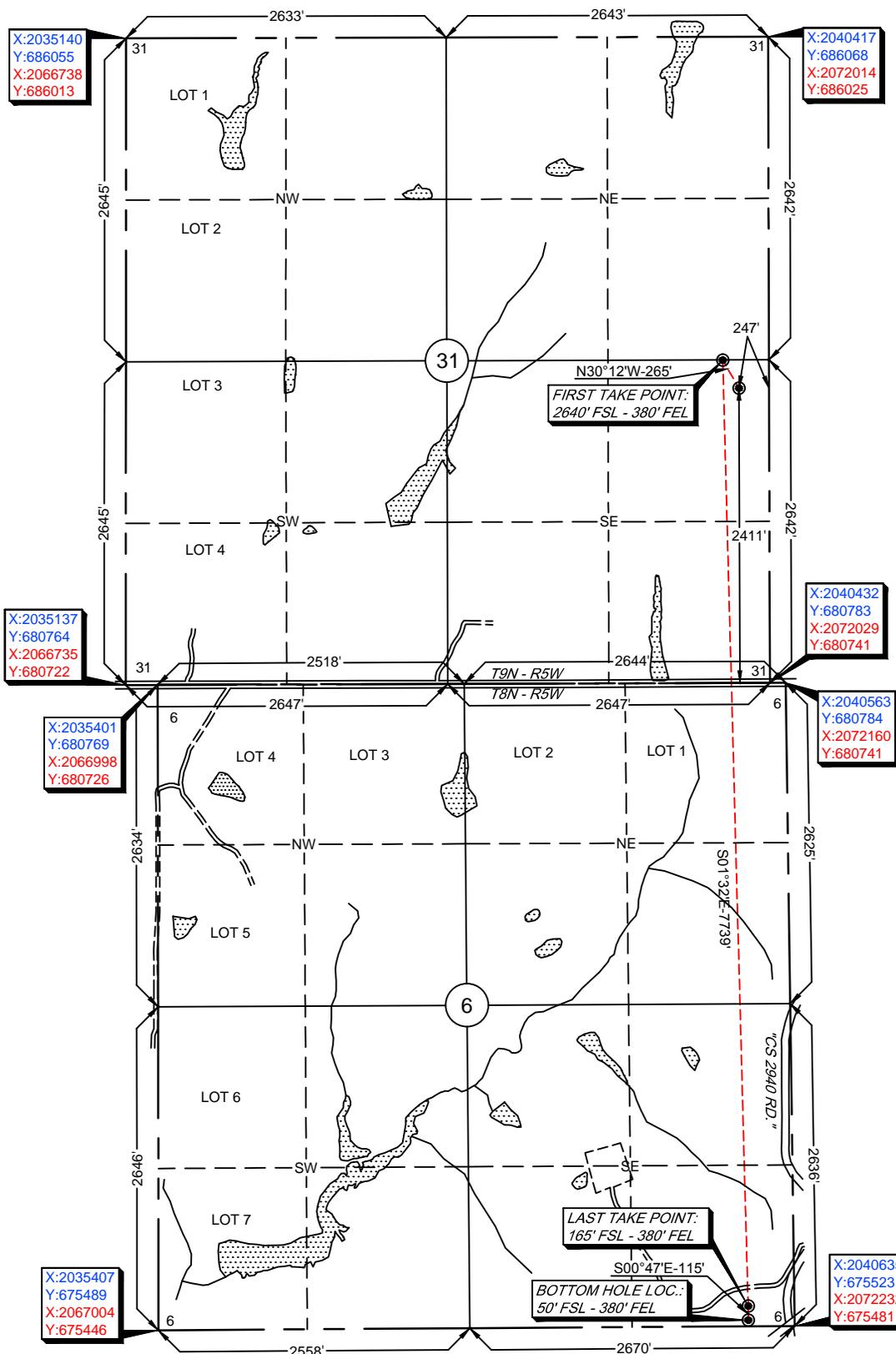


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Surface Hole Loc.: Lat: 35°12'37.28"N Lon: 97°45'36.22"W Lat: 35.21035425 Lon: -97.76006033 X: 2040177 Y: 683194
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Last Take Point: Lat: 35°11'23.02"N Lon: 97°45'35.52"W Lat: 35.18972676 Lon: -97.75986774 X: 2040253 Y: 675686
Last Take Point: Lat: 35°11'22.78"N Lon: 97°45'34.37"W Lat: 35.18966236 Lon: -97.75954848 X: 2071850 Y: 675643
Bottom Hole Loc.: Lat: 35°11'21.88"N Lon: 97°45'35.51"W Lat: 35.18941083 Lon: -97.75986335 X: 2040254 Y: 675571
Bottom Hole Loc.: Lat: 35°11'21.65"N Lon: 97°45'34.36"W Lat: 35.18934642 Lon: -97.75954410 X: 2071852 Y: 675528

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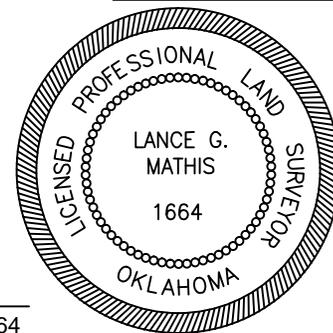
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Lance G. Mathis
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04/09/19

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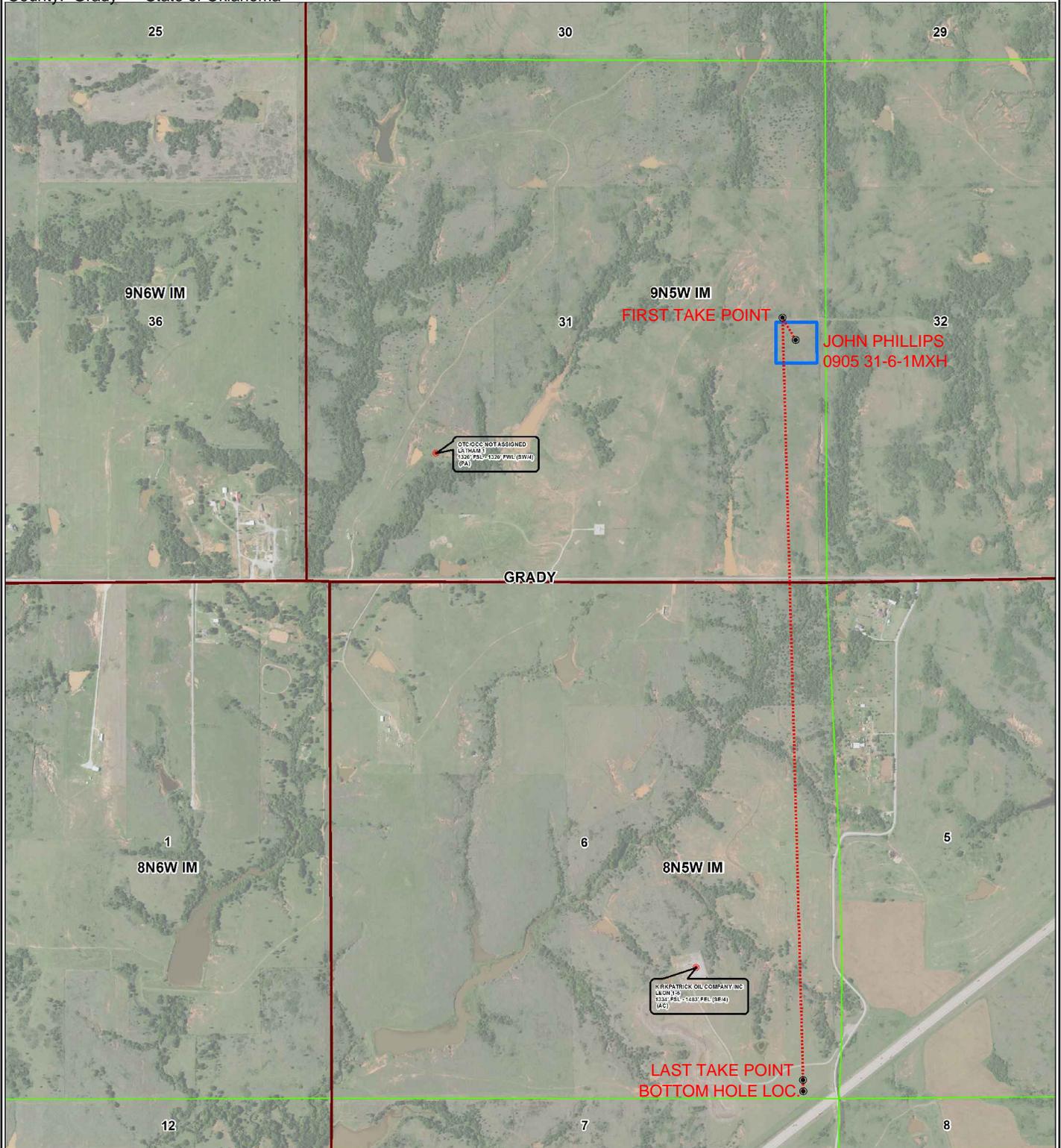
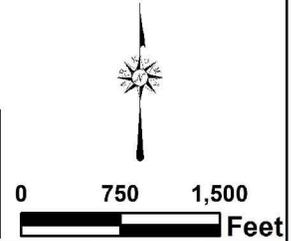


Anti-Collision

Sec. 31-9N-5W I.M.

Operator: CAMINO NATURAL RESOURCES, LLC
 Lease Name and No.: JOHN PHILLIPS 0905 31-6-1MXH
 Surface Hole Location: 2411' FSL - 247' FEL
 First Take Point: 2640' FSL - 380' FEL
 Sec. 31 Twp. 9N Rng. 5W I.M.
 Last Take Point: 165' FSL - 380' FEL
 Bottom Hole Location: 50' FSL - 380' FEL
 Sec. 6 Twp. 8N Rng. 5W I.M.
 County: Grady State of Oklahoma

● SHL, FTP, LTP, & BHL	▭ Counties
⋯ Bore Path	▭ Township-Range
▭ Pad	▭ Sections
● OCC Wells	



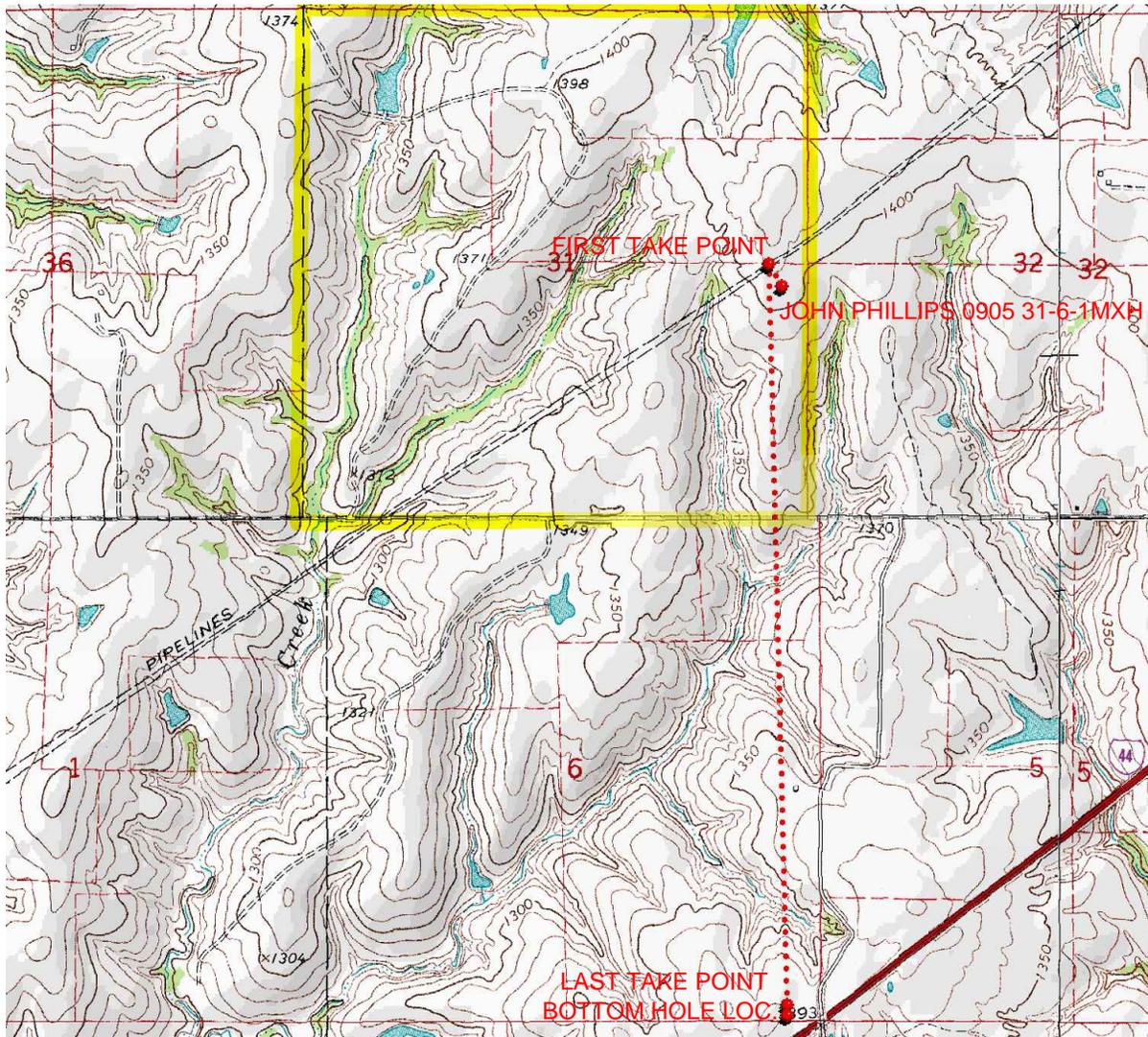
CAMINO Topographic Vicinity Map

Operator: CAMINO NATURAL RESOURCES, LLC
Lease Name and No.: JOHN PHILLIPS 0905 31-6-1MXH
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Sec. 6 Twp. 8N Rng. 5W I.M.
County: Grady State of Oklahoma



Scale 1" = 2000'
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 1405'



Provided by:
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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: 04/01/19

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.

County Highway Vicinity Map



Job #: 8573-B

Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name and No.: JOHN PHILLIPS 0905 31-6-1MXH

Accessibility: From the North.

Directions: From the junction of State HWY 4 & "E Sooner Rd" in the town of Bridge Creek, OK, go 0.9 miles West on "E Sooner Rd", 0.9 miles South on "S Czech Hall Rd", 1.4 miles East & South on "County Street 2948", then go 0.8 miles West on "Sandrock Rd" to the Southeast Quarter of Section 31-9N-5W on the North side of the road.

1 inch = 0.5 mile

provided by:
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