

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

API NUMBER: 051 24546

Approval Date: 01/11/2019

Expiration Date: 07/11/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 6N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 265 178

Lease Name: JACK SWAGGER 0606

Well No: 29-1WH

Well will be 178 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

LEONA FAYE SHOEMAKE TRUST  
1343 CR 1400  
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	15238	6	
2	WOODFORD	15471	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805048  
201805056

Special Orders:

Total Depth: 20914

Ground Elevation: 1055

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 510

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: 18-36061

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 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 29 Twp 6N Rge 6W County GRADY

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 100

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 14991

Radius of Turn: 573

Direction: 175

Total Length: 5023

Measured Total Depth: 20914

True Vertical Depth: 15791

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

12/31/2018 - 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

12/31/2018 - 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](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)

#### MEMO

12/31/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - LITTLE WASHITA RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### PENDING CD - 201805048

1/7/2019 - GA8 - (640)(HOR) 29-6N-6W  
EXT 658557 MSSP, WDFD  
COMPL. INT. (MSSP) NLT 660' FB  
COMPL. INT. (WDFD) NLT 156' FNL/FSL, NLT 330' FEL/FWL  
REC. 12/19/2018 (JOHNSON)

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 24546 JACK SWAGGER 0606 29-1WH

Category

PENDING CD - 201805056

Description

1/7/2019 - GA8 - (I.O.) 29-6N-6W  
X201805048 MSSP  
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL  
NO OP. NAMED  
REC. 12/19/2018 (JOHNSON)

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.



*S.H.L Sec. 30-6N-6W I.M.*  
*B.H.L Sec. 29-6N-6W I.M.*

Operator: CAMINO NATURAL RESOURCES, LLC  
Lease Name and No.: JACK SWAGGER 0606 29-1WH  
Footage: 265' FNL - 178' FWL Gr. Elevation: 1055'  
Section: 30 Township: 6N Range: 6W I.M.  
County: Grady State of Oklahoma  
Terrain at Loc.: Location fell in a flat, unharvested field.

051-24546



All bearings shown  
are grid bearings.


$$1'' = 1500'$$

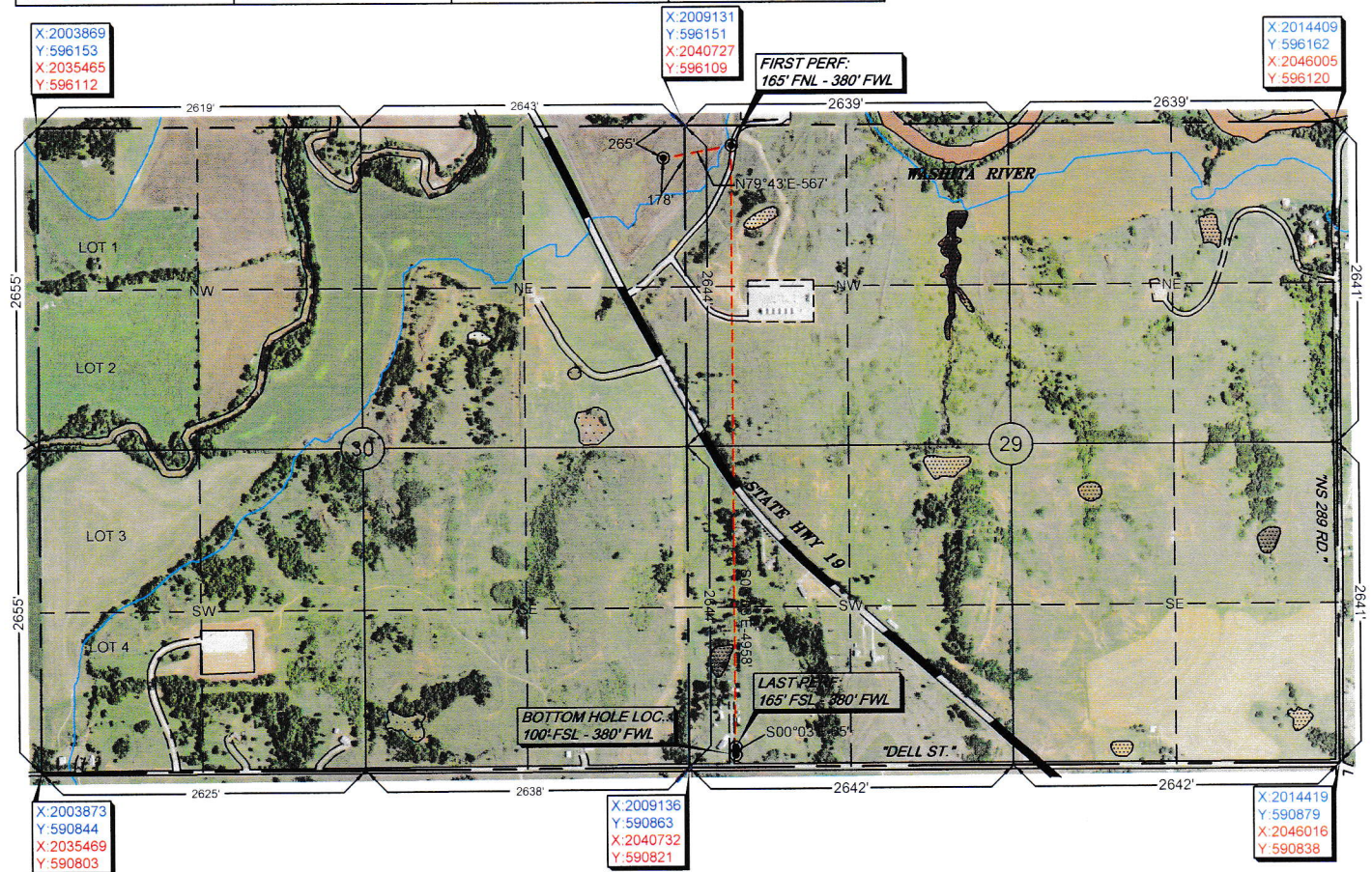
GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.: Lat: 34°58'14.30"N Lon: 97°51'53.90"W Lat: 34.97063970 Lon: -97.86497344 X: 2008953 Y: 595886	First Perf: Lat: 34°58'15.29"N Lon: 97°51'47.20"W Lat: 34.97091523 Lon: -97.86311213 X: 2009511 Y: 595987	Last Perf: Lat: 34°57'26.26"N Lon: 97°51'47.22"W Lat: 34.95729310 Lon: -97.86311795 X: 2009516 Y: 591029	Bottom Hole Loc.: Lat: 34°57'25.61"N Lon: 97°51'47.22"W Lat: 34.95711451 Lon: -97.86311803 X: 2009516 Y: 590964
Surface Hole Loc.: Lat: 34°58'14.06"N Lon: 97°51'52.76"W Lat: 34.97057216 Lon: -97.86465457 X: 2040550 Y: 595844	First Perf: Lat: 34°58'15.05"N Lon: 97°51'46.06"W Lat: 34.97084768 Lon: -97.86279329 X: 2041107 Y: 595945	Last Perf: Lat: 34°57'26.01"N Lon: 97°51'46.08"W Lat: 34.95722517 Lon: -97.86279935 X: 2041112 Y: 590987	Bottom Hole Loc.: Lat: 34°57'25.37"N Lon: 97°51'46.08"W Lat: 34.95704657 Lon: -97.86279943 X: 2041112 Y: 590922



\* 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, 2018

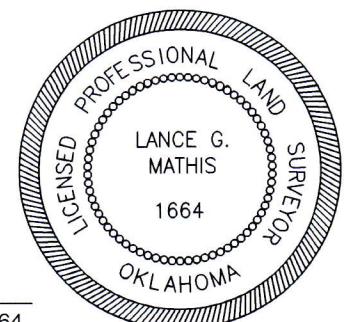
Certification:

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

10/29/18

OK LPLS 1664



Invoice #7871-A

Date Staked: 10/22/18 By: Z.D.

Date Drawn: 10/23/18 By: E.W.

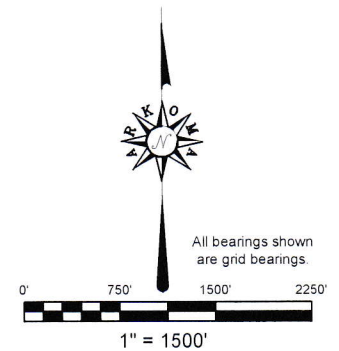


# Well Location Plat

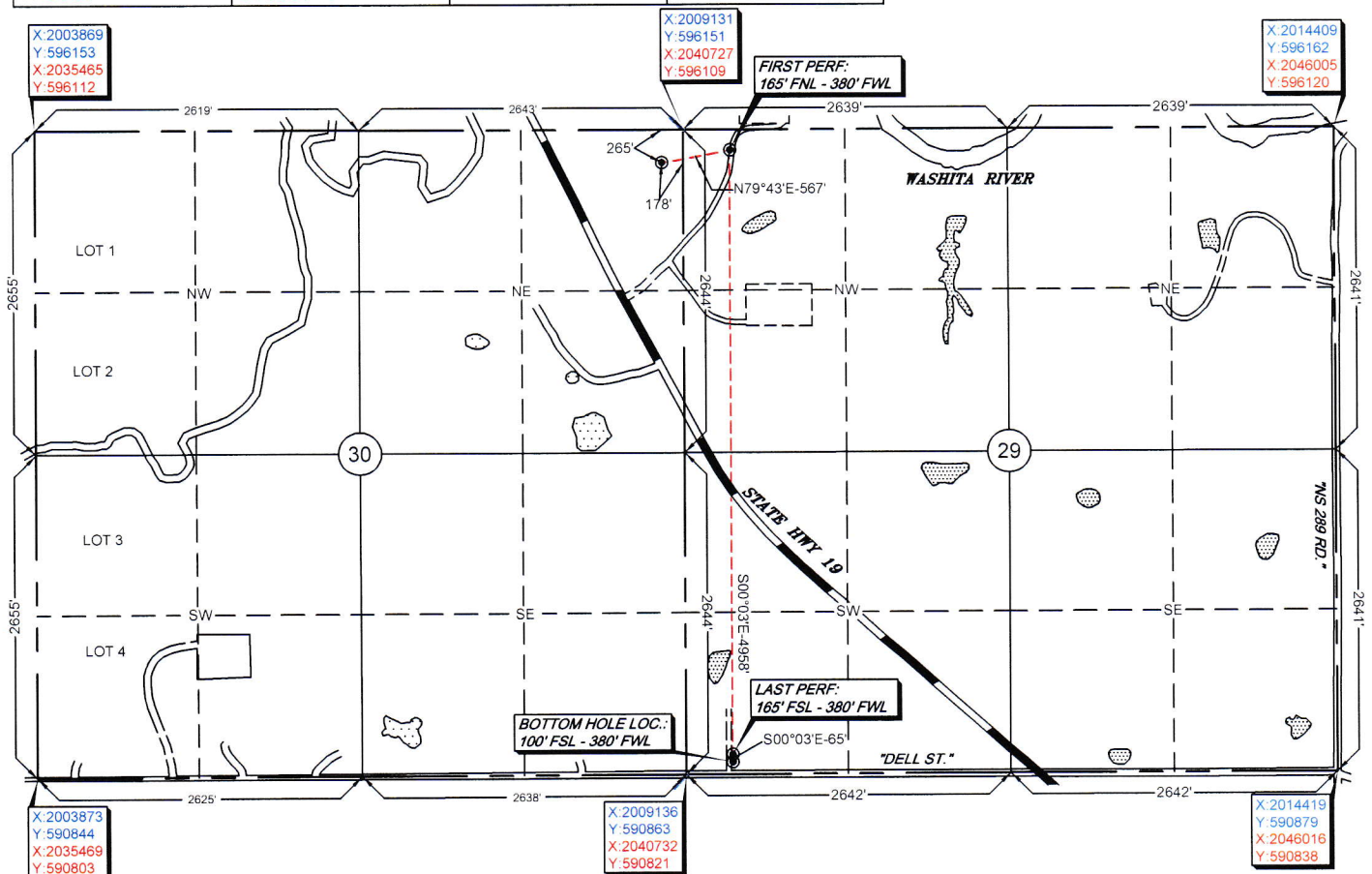
S.H.L Sec. 30-6N-6W I.M.  
B.H.L Sec. 29-6N-6W I.M.

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GPS DATUM  
NAD 83  
NAD 27  
OK SOUTH ZONE



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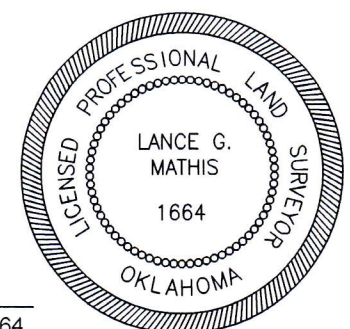
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LANCE G. MATHIS

10/29/18

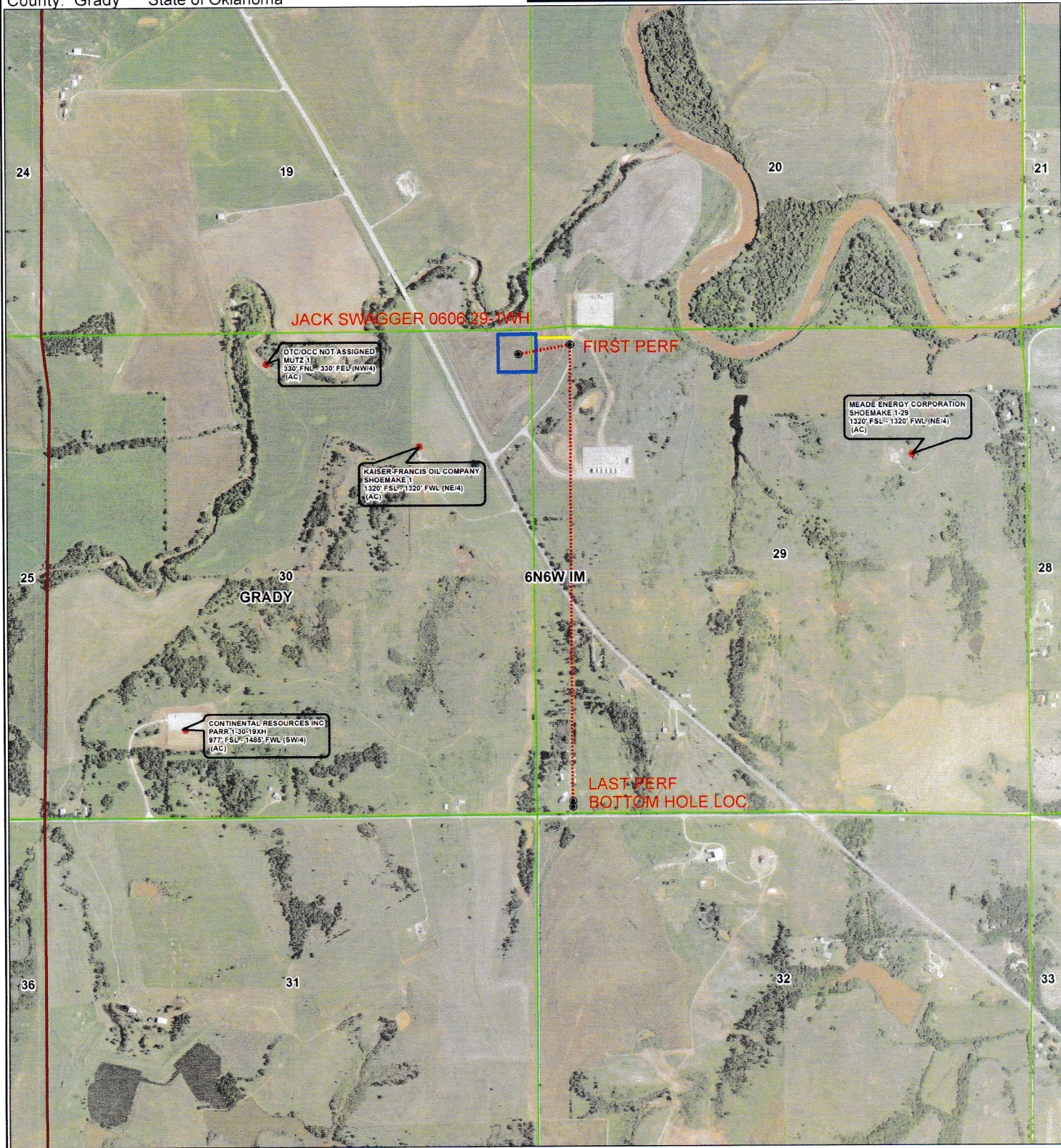
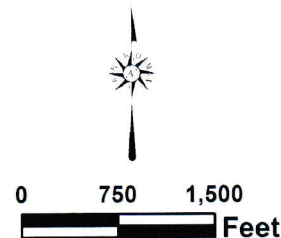
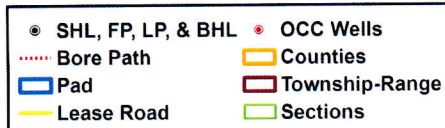
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Invoice #7871-A

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Date Drawn: 10/23/18 By: E.W.

Operator: CAMINO NATURAL RESOURCES, LLC  
 Lease Name and No.: JACK SWAGGER 0606 29-1WH  
 Surface Hole Location: 265' FNL - 178' FEL  
 Sec. 30 Twp. 6N Rng. 6W  
 First Perf: 165' FNL - 380' FWL  
 Last Perf: 165' FSL - 380' FWL  
 Bottom Hole Location: 100' FSL - 380' FWL  
 Sec. 29 Twp. 6N Rng. 6W  
 County: Grady State of Oklahoma





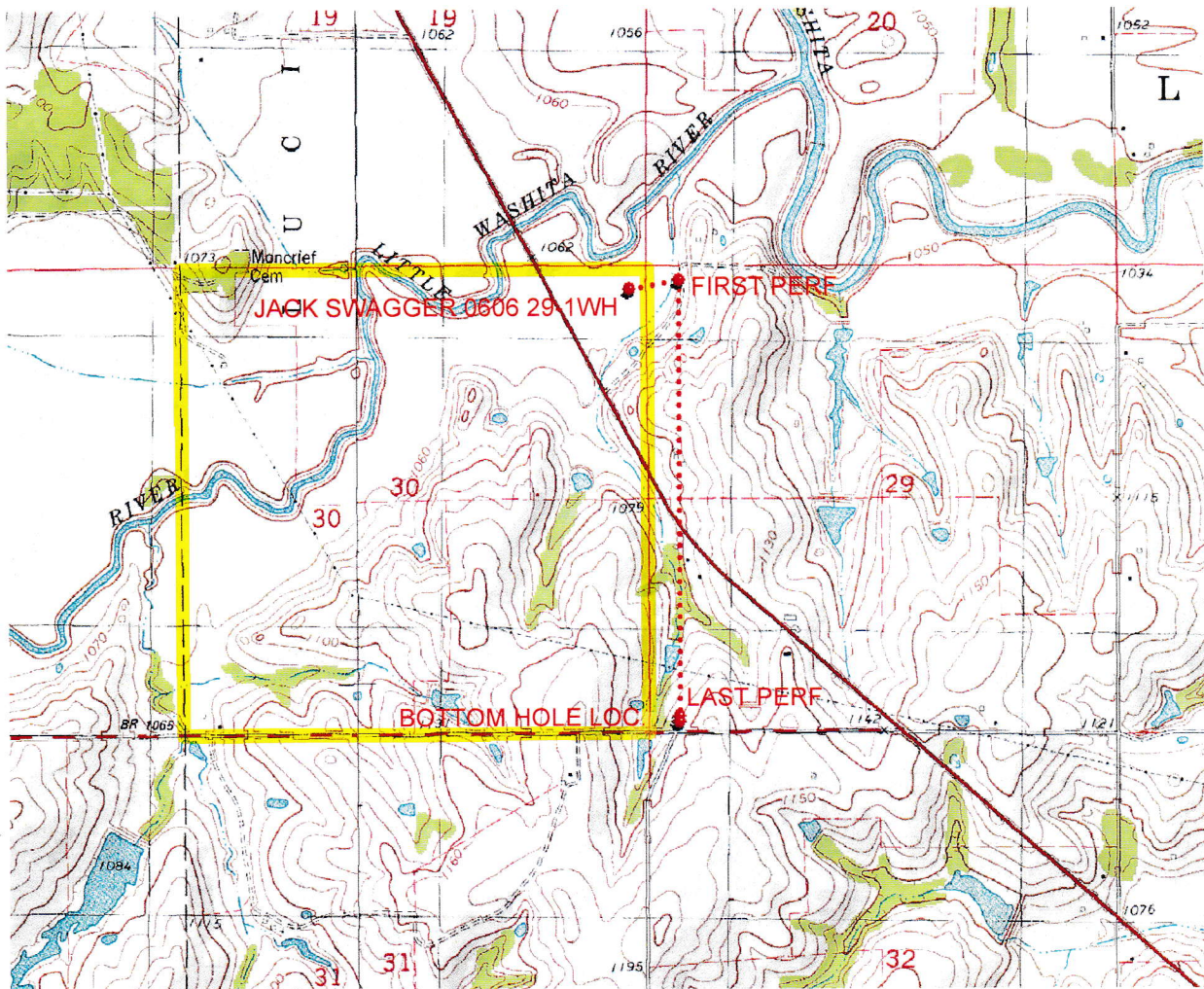
# Topographic Vicinity Map

Operator: CAMINO NATURAL RESOURCES, LLC  
Lease Name and No.: JACK SWAGGER 0606 29-1WH  
Surface Hole Location: 265' FNL - 178' FEL  
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First Perf: 165' FNL - 380' FWL  
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Bottom Hole Location: 100' FSL - 380' FWL  
Sec. 29 Twp. 6N Rng. 6W  
County: Grady State of Oklahoma



Scale 1" = 2000'  
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 1055'



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, 2018

Date Staked: 10/22/18

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

**CAMINO**

Job #: 7871-A

Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name and No.: JACK SWAGGER 0606 29-1WH

**Accessibility: From the North.**

**Directions:** From the junction of US HWY 277 & State HWY 19 North of the town of Ninnekah, OK, go 4.9 miles Southeast on State HWY 19, then go 0.2 miles North on an unnamed lease road to the Northeast Quarter of Section 30-6N-6W on the North side of the road.

1 inch = 0.75 mile

provided by,  
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