

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

API NUMBER: 051 24709

Approval Date: 08/29/2019

Expiration Date: 02/28/2021

Straight Hole

Stratigraphic Test

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 5N Rge: 5W

County: GRADY

SPOT LOCATION: NE NE NE NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 265 225

Lease Name: GREAT PLAINS 0505

Well No: 4-9 1MH

Well will be 225 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

WILLIAM ANDREW & JANA DELL HAILEY
2173 COUNTRY ROD 1430
ALEX OK 73002

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	1000	6	
2	WOODFORD	12280	7	
3	HUNTON	12488	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12488

Ground Elevation: 1035

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 19-36632

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

Notes:

Category	Description
DEEP SURFACE CASING	8/28/2019 - GC3 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
INTENT TO DRILL STRATIGRAPHIC TEST	8/29/2019 - GB6 - THIS WELL HAS BEEN APPROVED AS A STRATIGRAPHIC TEST WITH THE INTENT TO SET SURFACE CASING ONLY. OPERATOR WILL FILE AN AMENDED FORM 1000 CHANGING THE TYPE OF DRILLING OPERATION AT A LATER DATE
MEMO	8/28/2019 - GC3 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING	8/29/2019 - GB6 - NA - STRATIGRAPHIC TEST
WATERSHED STRUCTURE	8/29/2019 - GB6 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 224-0523 PRIOR TO DRILLING

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 24709 GREAT PLAINS 0505 4-9 1MH



Well Location Plat

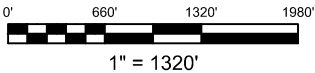
S.H.L. Sec. 4-5N-5W I.M.
B.H.L. Sec. 9-5N-5W I.M.

Operator: CAMINO NATURAL RESOURCES, LLC
Lease Name and No.: GREAT PLAINS 0505 4-9 1MH
Footage: 265' FNL - 225' FEL Gr. Elevation: 1035'
Section: 4 Township: 5N Range: 5W I.M.
County: Grady State of Oklahoma
Terrain at Loc.: Location fell on an existing pad.

35-051-24709

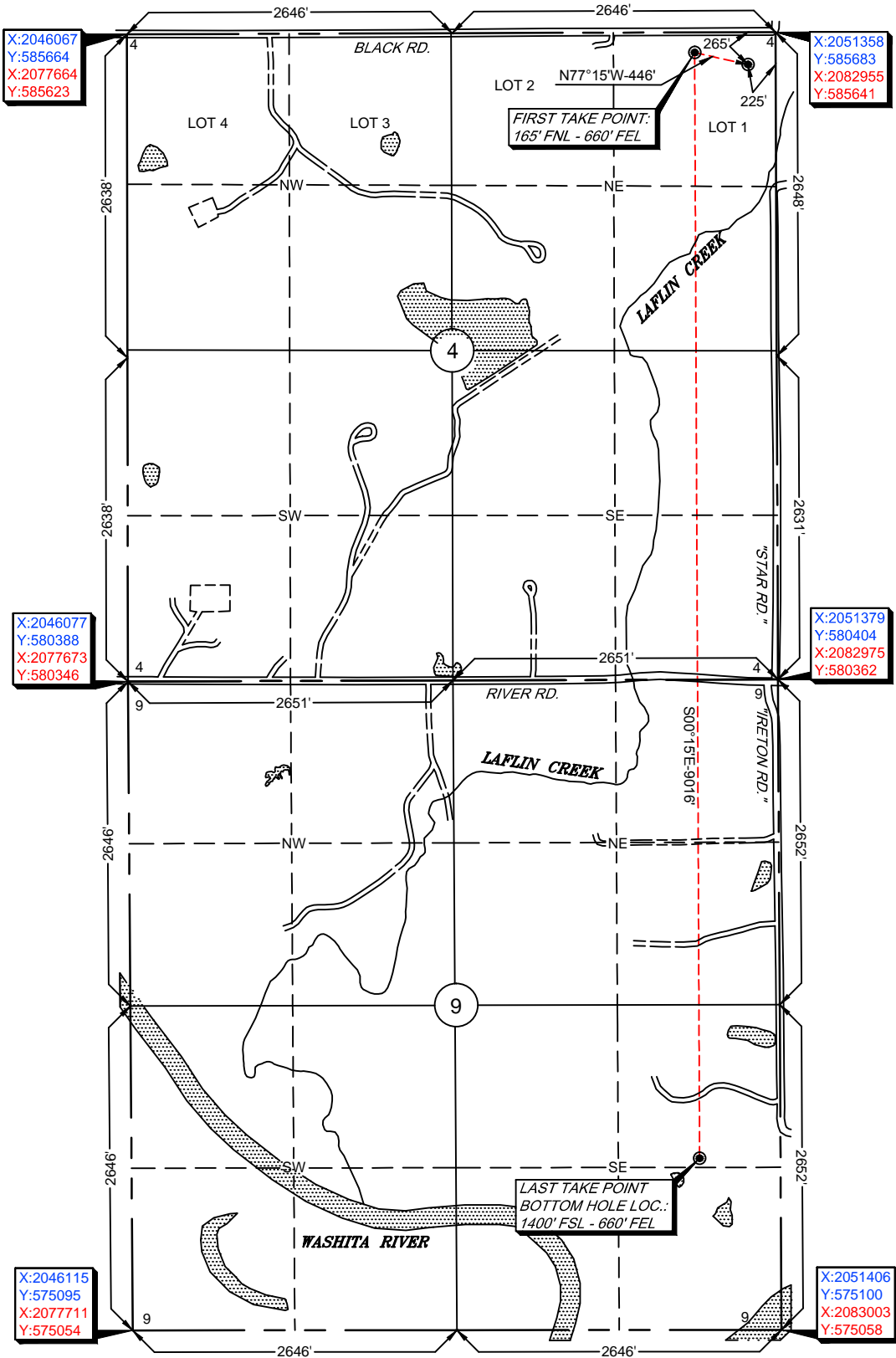


All bearings shown
are grid bearings.



GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°56'29.90"N
Lon: 97°43'27.40"W
Lat: 34.94163928
Lon: -97.72427849
X: 2051134
Y: 585417
Surface Hole Loc.:
Lat: 34°56'29.65"N
Lon: 97°43'26.27"W
Lat: 34.94156954
Lon: -97.72396340
X: 2082730
Y: 585375
First Take Point:
Lat: 34°56'30.89"N
Lon: 97°43'32.62"W
Lat: 34.94191364
Lon: -97.72572895
X: 2050699
Y: 585515
First Take Point:
Lat: 34°56'30.64"N
Lon: 97°43'31.49"W
Lat: 34.94184393
Lon: -97.72541382
X: 2082295
Y: 585473
Last Take Point
Bottom Hole Loc.:
Lat: 34°55'01.71"N
Lon: 97°43'32.43"W
Lat: 34.91714159
Lon: -97.72567617
X: 2050739
Y: 576499
Last Take Point
Bottom Hole Loc.:
Lat: 34°55'01.46"N
Lon: 97°43'31.30"W
Lat: 34.91707125
Lon: -97.72536148
X: 2082335
Y: 576457



-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 #8758-A

Date Staked: 07/12/19 By: B.A.
Date Drawn: 07/15/19 By: E.W.
Added LP & BHL: 07/30/19 By: E.W.

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

08/05/19

OK LPLS 1664

