

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

API NUMBER: 017 25415

Approval Date: 03/21/2019

Expiration Date: 09/21/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 11N Rge: 7W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 366 290

Lease Name: QUANAH PARKER 1107

Well No: 18-7 1WXH

Well will be 290 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

SHARYLE INMAN
PO BOX 2973
LUBBOCK TX 79408

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10552	6	
2	WOODFORD	10788	7	
3			8	
4			9	
5			10	

Spacing Orders: 129631
131096
676339

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810471
201810473

Special Orders:

Total Depth: 18872

Ground Elevation: 1350

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 420

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: DOG CREEK

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

PERMIT NO: 19-36335

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: DOG CREEK

HORIZONTAL HOLE 1

Sec 07 Twp 11N Rge 7W County CANADIAN

Spot Location of End Point: W2 E2 E2 E2

Feet From: SOUTH 1/4 Section Line: 2640

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 10400

Radius of Turn: 449

Direction: 359

Total Length: 7767

Measured Total Depth: 18872

True Vertical Depth: 10788

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

Notes:

Category

Description

DEEP SURFACE CASING

3/8/2019 - 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

3/8/2019 - 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

MEMO

3/8/2019 - 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.

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.

017 25415 QUANAH PARKER 1107 18-7
1WXH

Category	Description
PENDING CD - 201810471	3/21/2019 - G58 - (I.O.) 7 & 18-11N-7W EST MULTIUNIT HORIZONTAL WELL X129631 MSSP X131096 WDFD X676339 MSSP, WDFD (MSSP IS ADJACENT CSS TO WDFD) 66.67% 18-11N-7W 33.33% 7-11N-7W NO OP. NAMED REC 7/7/2019 (MILLER)
PENDING CD - 201810473	3/21/2019 - G58 - (I.O.) 7 & 18-11N-7W X129631 MSSP X131096 WDFD X676339 MSSP, WDFD COMPL. INT. 18-11N-7W NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. 7-11N-7W NCT 0' FSL, NCT 1900' FNL, NCT 330' FEL NO OP. NAMED REC 7/7/2019 (MILLER)
SPACING - 129631	3/21/2019 - G58 - (640) 7-11N-7W EXT OTHERS EST MSSP
SPACING - 131096	3/21/2019 - G58 - (640) 7-11N-7W EXT OTHERS EST WDFD
SPACING - 676339	3/21/2019 - G58 - (640)(HOR) 18-11N-7W EST MSSP, WDFD POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, 330' FEL & FWL

Operator: CAMINO NATURAL RESOURCES, LLC
 Lease Name and No.: QUANAH PARKER 1107 18-7 1WXH
 Footage: 366' FNL - 290' FEL Gr. Elevation: 1350'
 Section: 19 Township: 11N Range: 7W I.M.
 County: Canadian State of Oklahoma
 Terrain at Loc.: Location fell in flat farm land.

017-25415



All bearings shown
are grid bearings.



1" = 1500'

GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:

Lat: 35°25'11.38"N

Lon: 97°58'25.39"W

Lat: 35.41982671

Lon: -97.97371972

X: 1976331

Y: 152827

Surface Hole Loc.:

Lat: 35°25'11.18"N

Lon: 97°58'24.22"W

Lat: 35.41977139

Lon: -97.97339334

X: 2007928

Y: 152803

First Take Point:

Lat: 35°25'16.63"N

Lon: 97°58'26.49"W

Lat: 35.42128546

Lon: -97.97402545

X: 1976240

Y: 153358

First Take Point:

Lat: 35°25'16.43"N

Lon: -97°58'25.32"W

Lat: 35.42123019

Lon: -97.97369905

X: 2007837

Y: 153334

Last Take Point:

Lat: 35°26'32.95"N

Lon: 97°58'26.48"W

Lat: 35.44248541

Lon: -97.97402135

X: 1976239

Y: 161075

Last Take Point:

Lat: 35°26'32.75"N

Lon: 97°58'25.30"W

Lat: 35.44243086

Lon: -97.97369472

X: 2007836

Y: 161051

Bottom Hole Loc.:

Lat: 35°26'33.44"N

Lon: 97°58'26.48"W

Lat: 35.44262276

Lon: -97.97402169

X: 1976239

Y: 161125

Bottom Hole Loc.:

Lat: 35°26'33.25"N

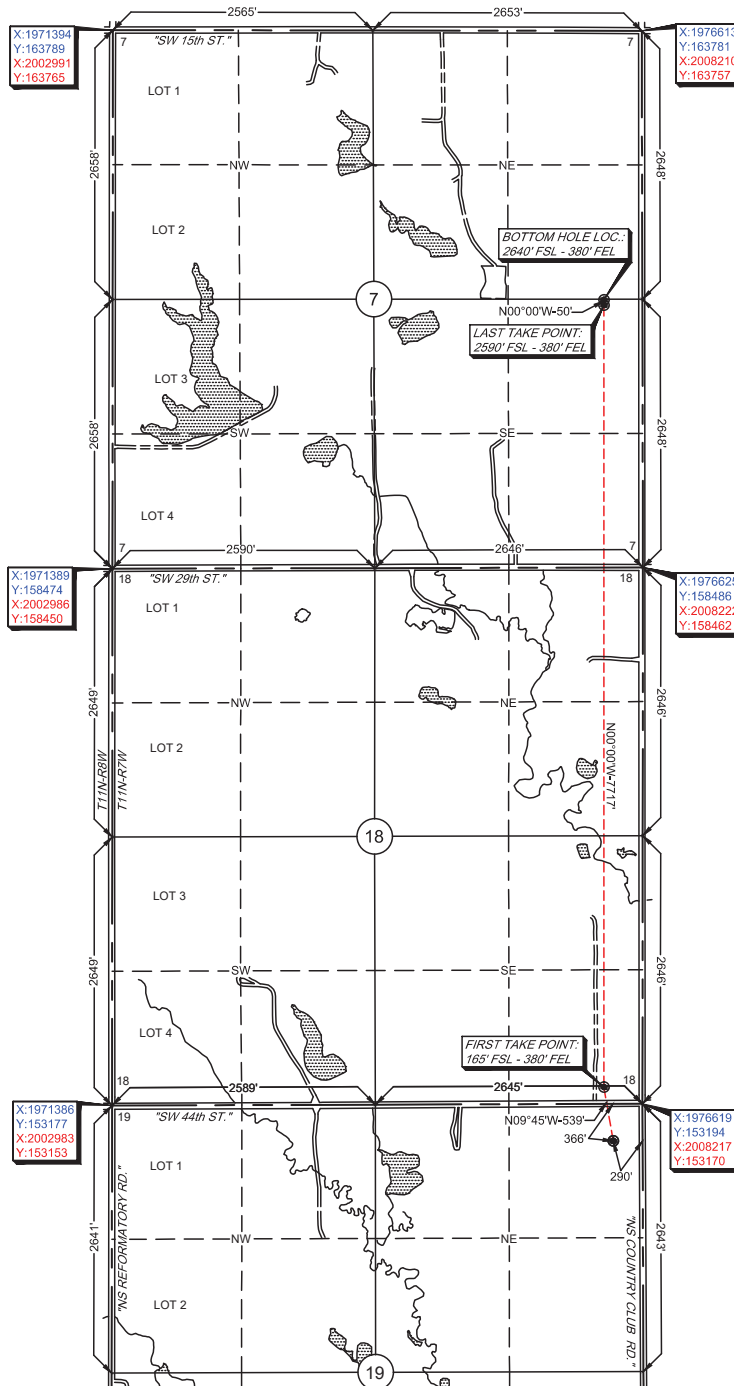
Lon: 97°58'25.30"W

Lat: 35.44256822

Lon: -97.97369505

X: 2007836

Y: 161101



-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

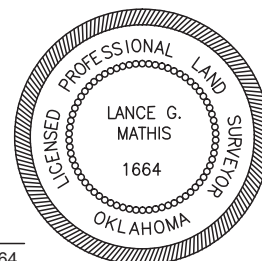
Certification:

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

03/05/19

OK LPLS 1664



Invoice #8408-A

Date Staked: 02/27/19

By: D.K.

Date Drawn: 02/28/19

By: E.W.