

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

API NUMBER: 017 25531

Approval Date: 09/26/2019

Expiration Date: 03/26/2021

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 11N Rge: 8W County: CANADIAN
SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 2417 278

Lease Name: JAMES ROSS 1108 11-2 Well No: 1MXH Well will be 278 feet from nearest unit or lease boundary.
Operator CAMINO NATURAL RESOURCES LLC Telephone: 7204052706 OTC/OCC Number: 24097 0
Name:

CAMINO NATURAL RESOURCES LLC
1401 17TH ST STE 1000
DENVER, CO 80202-1247

MCDOWELL FARMS, LLC
16450 W HIGHWAY 152
MUSTANG OK 73064

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10590	6	
2	WOODFORD	10828	7	
3			8	
4			9	
5			10	

Spacing Orders: 701351 Location Exception Orders: 701349 Increased Density Orders: 699967
485103 701350
667929
479846
667928

Pending CD Numbers: 201902912

Special Orders:

Total Depth: 18968 Ground Elevation: 1390 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 450

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36943

Chlorides Max: 5000 Average: 3000

H. SEE MEMO

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

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 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 02 Twp 11N Rge 8W County CANADIAN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 9600

Radius of Turn: 503

Direction: 355

Total Length: 8578

Measured Total Depth: 18968

True Vertical Depth: 10828

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

Notes:

Category

Description

DEEP SURFACE CASING

9/10/2019 - 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

EXCEPTION TO RULE - 701350

9/20/2019 - GC2 - (I.O.) 11-11N-8W
X165:10-3-28(C)(2)(B) MSSP (JAMES ROSS 1108 11-2-1MXH)
MAY BE CLOSER THAN 600' TO JOHNNY BENCH 1108 11-14-1MXH
CAMINO NATURAL RESOURCES, LLC
8-27-2019

HYDRAULIC FRACTURING

9/10/2019 - 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

INCREASED DENSITY - 699967

9/20/2019 - GC2 - 11-11N-8W
X479846 MSSP
2 WELLS
NO OP. NAMED
7-30-2019

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 25531 JAMES ROSS 1108 11-2 1MXH

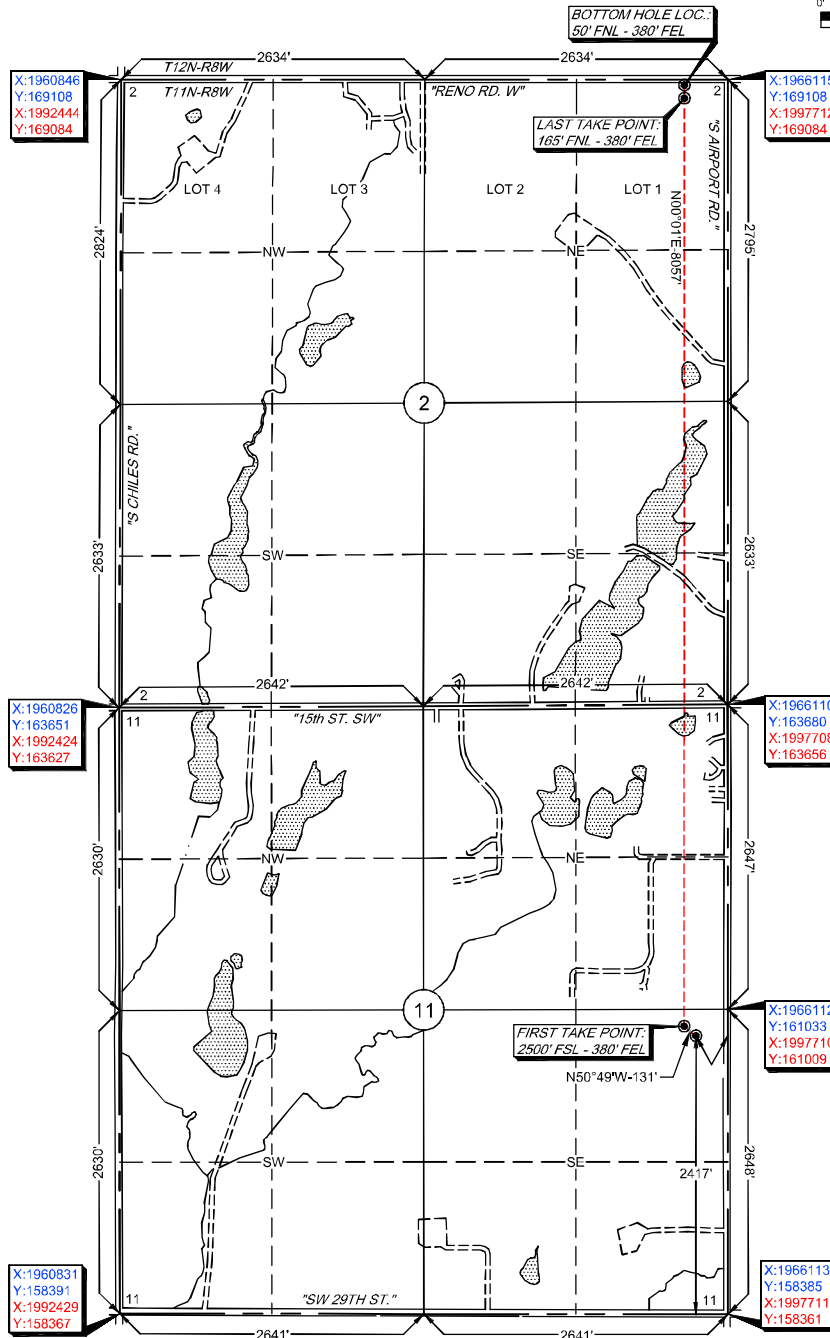
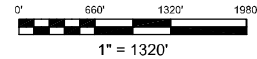
LOCATION EXCEPTION - 701349	9/20/2019 - GC2 - (I.O.) 11 & 2-11N-8W X485103 MSSP 2-11N-8W X667929 WDFD 2-11N-8W X479846 MSSP 11-11N-8W X667928 WDFD 11-11N-8W COMPL. INT. (11-11N-8W) NCT 1,980' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (2-11N-8W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED 8/27/2019
MEMO	9/10/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201902912	9/20/2019 - GC2 - 2-11N-8W X485103 MSSP 1 WELL NO OP. NAMED REC. 6-10-2019 (THOMAS)
SPACING - 479846	9/20/2019 - GC2 - (640) 11-11N-8W EXT OTHER EXT 134019 MSSP, OTHER
SPACING - 485103	9/20/2019 - GC2 - (640) 2-11N-8W EXT 479846 MSSP, OTHERS
SPACING - 667928	9/20/2019 - GC2 - (640)(HOR) 11-11N-8W EXT 659658 WDFD COMPL. INT. NCT 165' FNL/FSL, NCT 330' FEL/FWL
SPACING - 667929	9/20/2019 - GC2 - (640)(HOR) 2-11N-8W EXT 659658 WDFD COMPL. INT. NCT 165' FNL/FSL, NCT 330' FEL/FWL
SPACING - 701351	9/20/2019 - GC2 - (I.O.) 11 & 2-11N-8W EST MULTIUNIT HORIZONTAL WELL X485103 MSSP 2-11N-8W X667929 WDFD 2-11N-8W X479846 MSSP 11-11N-8W X667928 WDFD 11-11N-8W (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 66.67% 2-11N-8W 33.33% 11-11N-8W NO OP. NAMED 8/27/2019

Operator: CAMINO NATURAL RESOURCES, LLC
 Lease Name and No.: JAMES ROSS 1108 11-2-1MXH
 Footage: 2417' FSL - 278' FEL Gr. Elevation: 1390'
 Section: 11 Township: 11N Range: 8W I.M.
 County: Canadian State of Oklahoma
 Terrain at Loc.: Location fell in a flat, open field.

API: 017-25531



All bearings shown
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:
 Lat: 35°26'30.26"N
 Lon: 98°00'32.22"W
 Lat: 35.44173997
 Lon: -98.00895004
 X: 1965834
 Y: 160803

Surface Hole Loc.:
 Lat: 35°26'30.07"N
 Lon: 98°00'31.04"W
 Lat: 35.44168572
 Lon: -98.00862252
 X: 1997431
 Y: 160779

First Take Point:
 Lat: 35°26'31.08"N
 Lon: 98°00'33.45"W
 Lat: 35.44196786
 Lon: -98.00929173
 X: 1965732
 Y: 160886

First Take Point:
 Lat: 35°26'30.89"N
 Lon: 98°00'32.27"W
 Lat: 35.44191362
 Lon: -98.00896420
 X: 1997330
 Y: 160862

Last Take Point:
 Lat: 35°27'50.77"N
 Lon: 98°00'33.43"W
 Lat: 35.46410245
 Lon: -98.00928524
 X: 1965735
 Y: 168943

Last Take Point:
 Lat: 35°27'50.58"N
 Lon: 98°00'32.25"W
 Lat: 35.46404896
 Lon: -98.00895746
 X: 1997332
 Y: 168919

Bottom Hole Loc.:
 Lat: 35°27'51.91"N
 Lon: 98°00'33.43"W
 Lat: 35.46441837
 Lon: -98.00928494
 X: 1965735
 Y: 169058

Bottom Hole Loc.:
 Lat: 35°27'51.71"N
 Lon: 98°00'32.25"W
 Lat: 35.46436489
 Lon: -98.00895715
 X: 1997332
 Y: 169034

*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 #8447-B
 Date Staked: 01/21/19 By: D.K.
 Date Drawn: 01/24/19 By: J.H.
 Rev. FTP: 02/01/19 By: C.K.

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

02/04/19

OK LPLS 1664

