

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

API NUMBER: 017 25216 A

Approval Date: 04/26/2018

Expiration Date: 10/26/2018

Horizontal Hole
Oil & Gas
Multi Unit

Amend reason: CHANGE SHL. UPDATE OCC ORDERS.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 12N Rge: 7W County: CANADIAN
SPOT LOCATION: SE SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 214 717

Lease Name: VINITA 1207 Well No: 19-18-1MXH Well will be 214 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

RUTH MITTELSTAEDT
4000 SOUTH COUNTRY CLUB ROAD
EL RENO OK 73014

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	10070	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 147489 Location Exception Orders: Increased Density Orders: 676308
676307
Pending CD Numbers: 201801954 Special Orders:
201801955

Total Depth: 20430 Ground Elevation: 1407 Surface Casing: 1536 Depth to base of Treatable Water-Bearing FM: 370

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: 8000 Average: 5000

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: 18-34320
H. SEE MEMO

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 18 Twp 12N Rge 7W County CANADIAN

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 100

Feet From: EAST 1/4 Section Line: 404

Depth of Deviation: 9541

Radius of Turn: 593

Direction: 5

Total Length: 9957

Measured Total Depth: 20430

True Vertical Depth: 10222

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

Notes:

Category

Description

DEEP SURFACE CASING

4/19/2018 - 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

4/19/2018 - 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; 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 - 676307

4/26/2018 - G58 - 18-12N-7W
X147489 MSSP
1 WELL
CAMINO NATURAL RESOURCES, LLC
4/13/2018

INCREASED DENSITY - 676308

4/26/2018 - G58 - 19-12N-7W
X147489 MSSP
1 WELL
CAMINO NATURAL RESOURCES, LLC
4/13/2018

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

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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 25216 VINITA 1207 19-18-1MXH

LOCATION EXCEPTION - 679481	4/26/2018 - G58 - (I.O.) 18 & 19-12N-7W X147489 MSSP (18 & 19-12N-7W) COMPL. INT. (19-12N-7W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (18-12N-7W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL CAMINO NATURAL RESOURCES, LLC 06/22/2018
MEMO	4/19/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 147489	4/26/2018 - G58 - (640) 18 & 19-12N-7W EXT OTHERS EXT 124533/146122 MSSP
SPACING - 680832	4/26/2018 - G58 - (I.O.) 18 & 19-12N-7W EST MULTIUNIT HORIZONTAL WELL X147489 MSSP (18 & 19-12N-7W) 50% (18-12N-7W) 50% (19-12N-7W) CAMINO NATURAL RESOURCES, LLC 08/01/2018