

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

API NUMBER: 051 24574 A

Approval Date: 02/11/2019

Expiration Date: 08/11/2020

Horizontal Hole
Multi Unit

Oil & Gas

Amend reason: AMEND SURFACE OWNER, ADD FORMATIONS,
UPDATE ORDER NUMBERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 10N Rge: 7W

County: GRADY

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 270 260

Lease Name: WILL ROGERS 1007 22-15

Well No: 1MH

Well will be 260 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

JOE W AND ARLENE MCCOMAS REV TRUST
PO BOX 489
MINCO OK 73059

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	10400	6	
2	MISSISSIPPIAN	10915	7	
3	WOODFORD	11100	8	
4	HUNTON	11245	9	
5			10	

Spacing Orders: 107705
684537
664890

Location Exception Orders: 691687

Increased Density Orders:

Pending CD Numbers: 201806876
201901122

Special Orders:

Total Depth: 18519

Ground Elevation: 1322

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 280

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 19-36210

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 15 Twp 10N Rge 7W County GRADY

Spot Location of End Point: SW NE NE SE

Feet From: SOUTH 1/4 Section Line: 2140

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 10400

Radius of Turn: 554

Direction: 359

Total Length: 7249

Measured Total Depth: 18519

True Vertical Depth: 11300

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

Notes:

Category

Description

DEEP SURFACE CASING

2/4/2019 - 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

2/4/2019 - 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

LOCATION EXCEPTION - 691687

3/27/2019 - G58 - (I.O.) 22 & 15-10N-7W
X664890 MSSP, WDFD, HNTN
X107705 MSSLM, HNTN
X684537 WDFD
COMPL. INT. 22-10N-7W NCT 165' FSL, NCT 0' FNL, NCT 330' FEL
COMPL. INT. 15-10N-7W NCT 0' FSL, NCT 165' FNL, NCT 330' FEL
CAMINO NATURAL RESOURCES, LLC
2/20/2019

MEMO

2/4/2019 - 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.

051 24574 WILL ROGERS 1007 22-15 1MH

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.

Category	Description
PENDING CD - 201806876	2/8/2019 - G58 - (I.O.) 22 & 15-10N-7W EST MULTIUNIT HORIZONTAL WELL X664890 MSSP, WDFD, HNTN X107705 MSSLM, HNTN X684537 WDFD (MSSP, MSSLM, HNTN ARE ADJACENT CSS TO WDFD) 50% 22-10N-7W 50% 15-10N-7W NO OP. NAMED REC 9/17/2018 (P. PORTER)
PENDING CD - 201901122	3/27/2019 - G58 - 15-10N-7W X107705 MSSLM 2 WELLS NO OP. NAMED REC 3/12/2019 (M. PORTER)
SPACING - 107705	2/8/2019 - G58 - (640) 15 & 22-10N-7W EXT OTHERS EXT 82467/101638 HNTN (VAC SEC 22 BY 664890) EXT 98732 MSSLM, CSTR,(VAC SEC 22 BY 664890) OTHERS
SPACING - 664890	2/8/2019 - G58 - (640)(HOR) 22-10N-7W VAC 107705 CSTR, MSSLM, HNTN EST MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 684537	3/27/2019 - G58 - (640)(HOR) 15-10N-7W EXT 664890 WDFD POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL