

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

Approval Date: 02/11/2019

Expiration Date: 08/11/2020

Horizontal Hole  
Multi Unit

Oil & Gas

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

MAURICE MILLER  
3213 BROORIDGE  
CHICKASHA OK 73018

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

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

Spacing Orders: 664890  
107705

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806876  
201806877  
201900918

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: 11135

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](http://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](http://FRACFOCUS.ORG)

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.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

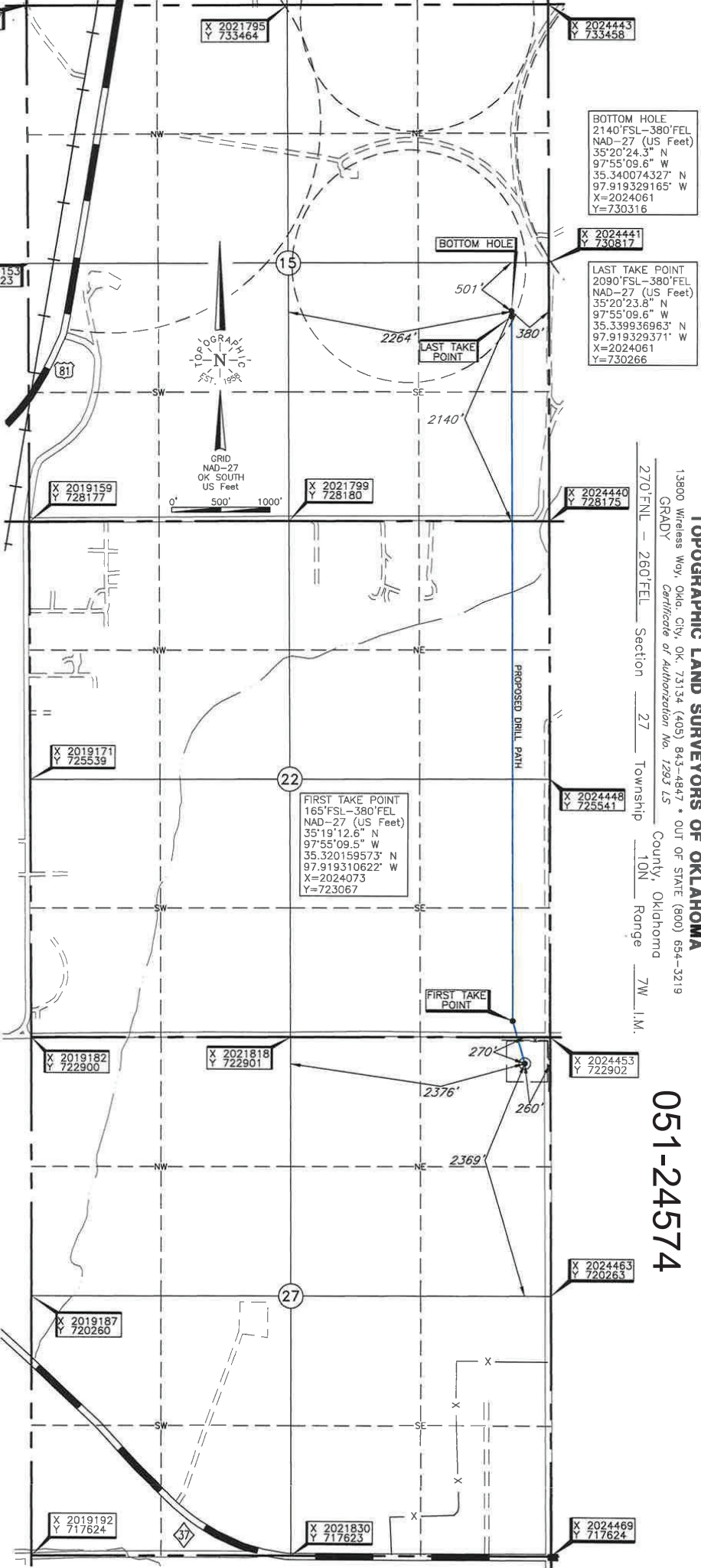
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

051 24574 WILL ROGERS 1007 22-15 1MH

Category	Description
PENDING CD - 201806876	2/8/2019 - G58 - (I.O.) 22 & 15-10N-7W EST MULTIUNIT HORIZONTAL WELL X664890 MSSP, OTHERS X107705 MSSLM, OTHER XOTHER 50% 22-10N-7W 50% 15-10N-7W NO OP. NAMED REC 9/17/2018 (P. PORTER)
PENDING CD - 201806877	2/8/2019 - G58 - (I.O.) 22 & 15-10N-7W X664890 MSSP, OTHERS X107705 MSSLM, OTHER XOTHER 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 NO OP. NAMED REC 9/17/2018 (P. PORTER)
PENDING CD - 201900918	2/11/2019 - G58 - 15-10N-7W X107705 MSSLM 1 WELL NO OP. NAMED HEARING 2/26/2019
SPACING - 107705	2/8/2019 - G58 - (640) 15 & 22-10N-7W EXT OTHERS 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, OTHER EST MSSP, OTHERS COMPL. INT. NLT 660' FB

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**  
 13800 Wireless Way, Okla. City, OK, 73134 (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 GRADY Certificate of Authorization No. 1293 LS County, Oklahoma  
 270' FUL - 260' FEL Section 27 Township 10N Range 7W, 1.M.

**051-24574**



**ELEVATION:** 1322' Gr. at Stake

**NOTE:** The information shown herein is for construction purposes ONLY.

**DATE:** Nov. 29, 2018

**INVOICE #** 306972 **DATE STAKED:** Nov. 21, 2018

Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name: WILL ROGERS 1007 22-15

Topography & Vegetation Loc. fell in pasture

Good Drill Site? Yes

Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From East of county road

Distance & Direction From Jct. Us Hwy. 81 and St. Hwy. 37 in Minco City, OK, go ±1.0 mi. East on St. Hwy. 37, then ±1.0 mi. North on county road to the NE Cor. of Sec. 27-T10N-R7W

**CERTIFICATE:**

I, T. Wayne Fisch, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Oklahoma Lic. No. 1378

