

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

API NUMBER: 051 24592

Approval Date: 03/12/2019

Expiration Date: 09/12/2020

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 7N Rge: 7W

County: GRADY

SPOT LOCATION: ☐ NW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 370 1203

Lease Name: HOLDEN 0707

Well No: 16-21-1WH

Well will be 370 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

O'HARA FAMILY LLC C/O FLORENCE O'HARA  
17560 SW 29TH ST  
EL RENO OK 73036

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	15150	6	
2	WOODFORD	15345	7	
3	HUNTON	15570	8	
4			9	
5			10	

Spacing Orders: 676191  
677952

Location Exception Orders: 691179

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 26028

Ground Elevation: 1102

**Surface Casing: 530**

Depth to base of Treatable Water-Bearing FM: 480

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

**Category of Pit: C**

**Liner not required for Category: C**

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 19-36238

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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

## HORIZONTAL HOLE 1

Sec 21 Twp 7N Rge 7W County GRADY

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 100

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 14800

Radius of Turn: 756

Direction: 170

Total Length: 10041

Measured Total Depth: 26028

True Vertical Depth: 15987

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

### Notes:

#### Category

#### Description

#### HYDRAULIC FRACTURING

2/14/2019 - 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)

#### LOCATION EXCEPTION - 691179

3/12/2019 - G56 - (I.O.) 16 & 21-7N-7W  
X676191 MSSP, WDFD, HNTN  
COMPL INT (16-7N-7W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL  
COMPL INT (21-7N-7W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL  
CAMINO NATURAL RESOURCES, LLC  
2/11/2019

#### MEMO

2/14/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### PUBLIC WATER SUPPLY WELLS

2/14/2019 - G71 - GRADY CO RWD #1 - 2 - PWS/WPA, SE/4 8-7N-7W

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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.

051 24592 HOLDEN 0707 16-21-1WH

Category	Description
SPACING - 676191	3/12/2019 - G56 - (640)(HOR) 16 & 21-7N-7W EST MSSP, WDFD, HNTN COMPL INT (MSSP, HNTN) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL
SPACING - 677952	3/12/2019 - G56 - (I.O.) 16 & 21-7N-7W ESTABLISH MULTIUNIT HORIZONTAL WELL X676191 MSSP, WDFD, HNTN (MSSP, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO TARGET WDFD) 50% 16-7N-7W 50% 21-7N-7W CAMINO NATURAL RESOURCES, LLC 5/18/2018

## TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

GRADY

County, Oklahoma

370'FSL-1203'FEL Section 8 Township 7N Range 7W I.M.

Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name: HOLDEN 0707

Topography &amp; Vegetation Loc. fell on existing pod.

Well No.: 16-21-1WH

Good Drill Site? Yes

Reference Stakes or Alternate Location  
Stakes Set None

Best Accessibility to Location From West off US Hwy. 81.

Distance &amp; Direction

From Hwy Jet or Town From the Junction of US Hwy. 62 and US Hwy. 81 West of Chickasha, OK, go North on US Hwy. 81 ± 1.9 miles to the South line of Sec. 8-T7N-R7W.

DATUM: NAD-27  
 LAT: 35°05'19.1" N  
 LONG: 97°57'22.6" W  
 LAT: 35°08'64.5085" N  
 LONG: 97°56'28.2925" W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK SOUTH  
 X: 2013079  
 Y: 638793

(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.)

## ELEVATION:

1103' Gr. at Level Pod NAVD83  
 1102' Gr. at Level Pod NGVD29

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

## CERTIFICATE:

I, Thomas L. Howell, 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. 1443



Revision ☒ A Date of Drawing: Jan. 30, 2019  
 Project # 123338B Date Staked: Jan. 23, 2019 TR

