

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

API NUMBER: 051 24510

Approval Date: 11/01/2018

Expiration Date: 05/01/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 7N Rge: 7W

County: GRADY

SPOT LOCATION: ☐ NE ☐ NE ☐ SE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 1405 325

Lease Name: COMMERCE COMET 0707

Well No: 11-2-1WH

Well will be 325 feet from nearest unit or lease boundary.

Operator Name: CAMINO NATURAL RESOURCES LLC

Telephone: 7204052706

OTC/OCC Number: 24097 0

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

CECIL AND RHONDA BEARDEN
4414 ASH STREET
PIEDMONT OK 73078

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	13950	6	
2	WOODFORD	14300	7	
3	HUNTON	14495	8	
4			9	
5			10	

Spacing Orders: 669742

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808229
201808230

Special Orders:

Total Depth: 21155

Ground Elevation: 1178

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 500

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 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: CHICKASHA

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

PERMIT NO: 18-35617

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 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: CHICKASHA

HORIZONTAL HOLE 1

Sec 02 Twp 7N Rge 7W County GRADY

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 100

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 13715

Radius of Turn: 534

Direction: 359

Total Length: 6601

Measured Total Depth: 21155

True Vertical Depth: 14495

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

Notes:

Category

Description

DEEP SURFACE CASING

10/30/2018 - GA8 - 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

10/30/2018 - GA8 - 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

MEMO

10/30/2018 - GA8 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201808229

10/31/2018 - G56 - (E.O.) 2 & 11-7N-7W
EST MULTIUNIT HORIZONTAL WELL
X669742 MSSP, WDFD, HNTN
(MSSP & HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)
67% 2-7N-7W
33% 11-7N-7W
CAMINO NATURAL RESOURCES, LLC
REC 10/16/2018 (DUNN)

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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.

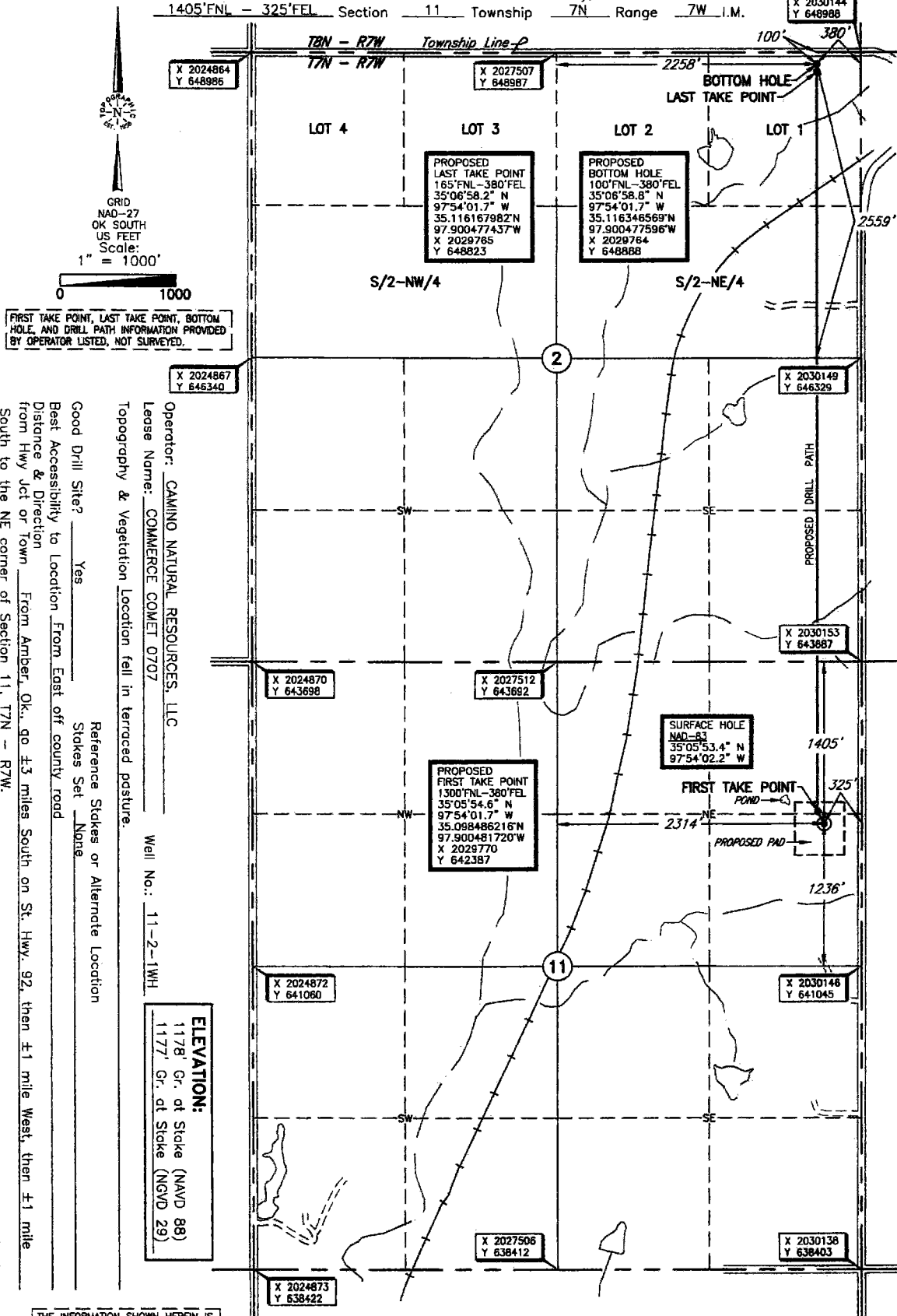
051 24510 COMMERCE COMET 0707 11-2-
1WH

Category	Description
PENDING CD - 201808230	10/31/2018 - G56 - (E.O.) 2 & 11-7N-7W X669742 MSSP, WDFD, HNTN COMPL INT (11-7N-7W) NCT 2640' FSL, NCT 0' FNL, NCT 330' FEL COMPL INT (2-7N-7W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CAMINO NATURAL RESOURCES, LLC REC 10/16/2018 (DUNN)
SPACING - 669742	10/31/2018 - G56 - (640)(HOR) 2 & 11-7N-7W EST MSSP, WDFD, HNTN COMPL INT NLT 660' FB MSSP, HNTN; NLT 165' FNL/FSL, NLT 330' FEL/FWL WDFD

35-051-24510

GRADY County, Oklahoma

1405'FNL - 325'FEL Section 11 Township 7N Range 7W I.M.



FIRST TAKE POINT, LAST TAKE POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Operator: CAMINO NATURAL RESOURCES, LLC
Lease Name: COMMERCE COMET 0707
Topography & Vegetation Location fell in terraced pasture.
Well No.: 11-2-1WH
ELEVATION: 1178' Gr. of Stake (NAVD 88) 1177' Gr. of Stake (NGVD 29)
Good Drill Site? Yes
Reference Stakes or Alternate Location
Stakes Set None
Distance & Direction from Hwy Jct or Town From Amber, Ok., go ±3 miles South on St. Hwy. 92, then ±1 mile West, then ±1 mile South to the NE corner of Section 11, T7N - R7W.

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27
LAT: 35°05'53.5"N
LONG: 97°54'01.1"W
LAT: 35.098197258°N
LONG: 97.900299244°W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2029824
Y: 642282

Date of Drawing: October 10, 2018
Invoice # 303095 Date Staked: September 25, 2018 RKM

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. 1433

