

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

API NUMBER: 017 25248 A

Approval Date: 07/19/2018

Expiration Date: 01/19/2019

Horizontal Hole Oil & Gas

Amend reason: NAME CHANGE

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 12N Rge: 7W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 245 179

Lease Name: JIM THORPE 1207

Well No: 24-25-1MH

Well will be 179 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

RUNNING M FARMS LLC C/O BRANDON MITCHELL
12346 SW 44TH STREET
MUSTANG OK 73064

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

	Name	Depth	Name	Depth
1	MISSISSIPPI	9508	6	
2	MISSISSIPPIAN	9508	7	
3	WOODFORD	9684	8	
4	HUNTON	9794	9	
5			10	

Spacing Orders: 130956
107775
676896
678553
681862

Location Exception Orders: 681863

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 19700

Ground Elevation: 1359

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 330

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: 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: 18-34816

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 24 Twp 12N Rge 7W County CANADIAN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 100

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 8674

Radius of Turn: 477

Direction: 5

Total Length: 10277

Measured Total Depth: 19700

True Vertical Depth: 9794

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

Notes:

Category

Description

DEEP SURFACE CASING

6/19/2018 - 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

6/19/2018 - 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

LOCATION EXCEPTION - 681863

2/1/2019 - G58 - (I.O.) 24 & 25-12N-7W
X130956 MSSP 24-12N-7W
X107775 HNTN 24-12N-7W
X676896 WDFD 24-12N-7W
X678553 MSSP, WDFD, HNTN 25-12N-7W
COMPL. INT. (24-12N-7W) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL
COMPL. INT. (25-12N-7W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL
CAMINO NATURAL RESOURCES, LLC
8/22/2018

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

017 25248 JIM THORPE 1207 24-25-1MH

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
MEMO	6/19/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 107775	6/22/2018 - G58 - (640) 24 & 25-12N-7W EST HNTN, OTHERS
SPACING - 130956	6/22/2018 - G58 - (640) 24 & 25-12N-7W EXT 127748 MISS
SPACING - 676896	6/22/2018 - G58 - (640)(HOR) 24-12N-7W EST WDFD COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (EXIST CONCURRENTLY WITH NON-HORIZONTAL DRILLING AND SPACING UNITS)
SPACING - 678553	6/22/2018 - G58 - (640)(HOR) 25-12N-7W EST MSSP EXT 665611 WDFD, HNTN COMPL. INT. (MSSP, HNTN) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 107775 HNTN; SP. ORDER 130956 MISS)
SPACING - 681862	2/1/2019 - G58 - (I.O.) 24 & 25-12N-7W EST MULTIUNIT HORIZONTAL WELL X130956 MISS 24-12N-7W X107775 HNTN 24-12N-7W X676896 WDFD 24-12N-7W X678553 MSSP, WDFD, HNTN 25-12N-7W (MSSP, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 24-12N-7W 50% 25-12N-7W CAMINO NATURAL RESOURCES, LLC 8/22/2018

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