

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

API NUMBER: 051 24709 A

Approval Date: 08/29/2019  
Expiration Date: 02/28/2021

Horizontal Hole  
Multi Unit

Oil & Gas

Amend reason: AMEND TO HORIZONTAL WELL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 5N Rge: 5W County: GRADY  
SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 265 225

Lease Name: GREAT PLAINS 0505 Well No: 4-9 1MH Well will be 225 feet from nearest unit or lease boundary.  
Operator CAMINO NATURAL RESOURCES LLC Telephone: 7204052706 OTC/OCC Number: 24097 0  
Name:

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

WILLIAM ANDREW & JANA DELL HAILEY  
2173 COUNTRY ROD 1430  
ALEX OK 73002

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12140	6	
2	MISSISSIPPIAN(ABOVE SYCAMORE)	12140	7	
3	SYCAMORE	12200	8	
4	WOODFORD	12488	9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 20194168  
20194170  
20194169  
201810403

Special Orders:

Total Depth: 21655 Ground Elevation: 1035 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 260

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36632

Chlorides Max: 5000 Average: 3000

H. SEE MEMO

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is 18 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 09 Twp 5N Rge 5W County GRADY

Spot Location of End Point: S2 S2 NE SE

Feet From: SOUTH 1/4 Section Line: 1400

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 11584

Radius of Turn: 670

Direction: 182

Total Length: 9018

Measured Total Depth: 21655

True Vertical Depth: 12488

End Point Location from Lease,  
Unit, or Property Line: 660

Notes:

Category

Description

DEEP SURFACE CASING

8/28/2019 - GC3 - 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

9/5/2019 - 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: [OCCWEB.COM/OG/OGFORMS.HTML](http://OCCWEB.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

8/28/2019 - GC3 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201810403

9/13/2019 - GB6 - (640)(HOR) 9-5N-5W  
EXT 648393 MSSP, WDFD, HNTN  
VAC 286943 SCMR IN S2 9-5N-5W  
VAC 284921 HNTN IN S2 9-5N-5W  
POE TO BHL (MSSP, HNTN) NCT 660' FB  
POE TO BHL (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FWL, NCT 330' FEL  
(COEXIST SP. ORDER #284921 HNTN NE4 & NW4; ORDER #286943 SCMR NE4 & NW4; ORDER #426619 WDFD)  
REC. 8/21/2019 (THOMAS)

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

051 24709 GREAT PLAINS 0505 4-9 1MH

The duration of this permit is 18 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.

PENDING CD - 201904168	<p>9/13/2019 - GB6 - (640)(HOR) 4-5N-5W  EST MSPAS, SCMR, WDFD  POE TO BHL (MSPAS, SCMR) NCT 660' FB  POE TO BHL (WDFD) NCT 165' FSL, NCT 165' FNL, NCT 330' FWL, NCT 330' FEL  (COEXIST SP. ORDER #390558 SCMR, WDFD SW4; ORDER #405998 SCMR, WDFD SE4; ORDER #407097 SCMR, WDFD NW4; ORDER #401222 SCMR, WDFD NE4)  REC. 9/3/2019 (MILLER)</p>
PENDING CD - 201904169	<p>9/13/2019 - GB6 - (I.O.) 4 &amp; 9 -5N-5W  EST MULTIUNIT HORIZONTAL WELL  X201904168 MSPAS, SCMR, WDFD 4-5N-5W  X201810403 MSSP, WDFD  (MSPAS, WDFD ADJACENT COMMON SOURCES OF SUPPLY TO SCMR IN 4-5N-5W)  (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP IN 9-5N-5W)  67% 4-5N-5W  33% 9-5N-5W  NO OP. NAMED  REC. 9/3/2019 (MILLER)</p>
PENDING CD - 201904170	<p>9/13/2019 - GB6 - (I.O.) 4 &amp; 9 -5N-5W  X201904168 MSPAS, SCMR, WDFD 4-5N-5W  X201810403 MSSP, WDFD 9-5N-5W  COMPL. INT. (4-5N-5W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL  COMPL. INT. (9-5N-5W) NCT 0' FNL, NCT 1400' FSL, NCT 330' FEL  CMINO NATURAL RESOURCES, LLC  REC 9/3/2019 (MILLER)</p>
WATERSHED STRUCTURE	<p>8/29/2019 - GB6 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION  WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405)  224-0523 PRIOR TO DRILLING</p>