

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

API NUMBER: 051 24713

Approval Date: 09/11/2019

Expiration Date: 03/11/2021

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 5N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ NW ☐ SW ☐ NE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1729 1582

Lease Name: JON SNOW 0505

Well No: 16-9-1WH

Well will be 1582 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

MELFORD AND MARGARET SCOTT  
271 US HWY 277  
CEMENT OK 73017

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12580	6	
2	WOODFORD	12721	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810403  
201810405  
201810408  
201810407  
201810409

Special Orders:

Total Depth: 18705

Ground Elevation: 1018

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 170

Deep surface casing has been approved

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 ALLUVIAL

Pit Location Formation: Alluvium

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

PERMIT NO: 19-36657

H. SEE MEMO

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: NE SW NW SW

Feet From: SOUTH 1/4 Section Line: 1800

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 11922

Radius of Turn: 558

Direction: 355

Total Length: 5907

Measured Total Depth: 18705

True Vertical Depth: 12798

End Point Location from Lease,  
Unit, or Property Line: 380

Notes:

Category

Description

DEEP SURFACE CASING

8/29/2019 - 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

8/29/2019 - 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

9/5/2019 - GC4 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201810403

9/10/2019 - GC4 - (I.O.)(640)(HOR) 9-5N-5W  
EXT 648393 MSSP, WDFD, OTHER  
VAC 286943 SCMR S/2  
VAC OTHER  
COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL  
COMPL. INT. (MSSP) NCT 660' FB  
(COEXIST SP. ORDER # 286943 SCMR NE4 & NW4; ORDER # 426619 WDFD NW4)  
REC. 8-21-2019 (THOMAS)

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.

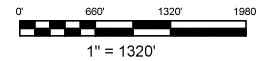
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

051 24713 JON SNOW 0505 16-9-1WH

PENDING CD - 201810405	<p>9/10/2019 - GC4 - (I.O.)(640)(HOR) 16-5N-5W  EXT 648393 MSSP, WDFD, OTHER  COMPL. INT. (WDFD) NCT 165' FNL &amp; FSL, NCT 330' FEL &amp; FWL  COMPL. INT. (MSSP) NCT 660' FB  (COEXIST SP. ORDER # 153463/613914 MSSP NE4; ORDER # 153463 MSSP SE4; ORDER #307759 SCMR SW4, OTHER; ORDER # 373641 WDFD SE4; ORDER # 392795 WDFD SW4; ORDER # 613914 MSSP NW4, OTHER, WDFD N2)  REC. 8-21-2019 (THOMAS)</p>
PENDING CD - 201810407	<p>9/10/2019 - GC4 - (I.O.) 9&amp;16-5N-5W  EST MULTIUNIT HORIZONTAL WELL  X201810403 MSSP, WDFD, OTHER 9 &amp;16-5N-5W  X201810405 MSSP, WDFD, OTHER 9 &amp;16-5N-5W  (MSSP ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD)  34% 9-5N-5W  66% 16-5N-5W  NO OP. NAMED  REC. 8-21-2019 (THOMAS)</p>
PENDING CD - 201810408	<p>9/10/2019 - GC4 - (I.O.) 9 &amp;16-5N-5W  X201810403 MSSP, WDFD, OTHER 9 &amp;16-5N-5W  X201810405 MSSP, WDFD, OTHER 9 &amp;16-5N-5W  SHL (9-5N-5W) **  COMPL. INT. (9-5N-5W) NCT 2640' FNL, NCT 0' FSL, NCT 330' FWL  COMPL. INT. (16-5N-5W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL  NO OP. NAMED  REC. 8-21-2019 (THOMAS)</p> <p>** ITD HAS SHL AS 1729' FNL, 1582' FWL 16-5N-5W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR</p>
PENDING CD - 201810409	<p>9/10/2019 - GC4 - (I.O.) 16-5N-5W  X165:10-3-28(C)(2)(B) MSSP, WDFD, OTHER (JON SNOW 0505 9-16-1WMH)  MAY BE CLOSER THAN 600' TO SHELBY 1-16  NO OPERATOR NAMED  REC. 8-21-2019 (THOMAS)</p>

Operator: CAMINO NATURAL RESOURCES, LLC  
 Lease Name and No.: JON SNOW 0505 16-9 1WH  
 Footage: 1729' FSL - 1582' FWL Gr. Elevation: 1018'  
 Section: 16 Township: 5N Range: 5W I.M.  
 County: Grady State of Oklahoma  
 Terrain at Loc.: Location fell in a flat, open field.

API: 05124713

All bearings shown  
are grid bearings.

GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:

Lat: 34°54'12.51"N

Lon: 97°44'08.93"W

Lat: 34.90347548

Lon: -97.73581372

X: 2047713

Y: 571517

Surface Hole Loc.:

Lat: 34°54'12.26"N

Lon: 97°44'07.80"W

Lat: 34.90340491

Lon: -97.73549894

X: 2079309

Y: 571476

First Take Point:

Lat: 34°54'05.81"N

Lon: 97°44'23.35"W

Lat: 34.90161362

Lon: -97.73982082

X: 2046513

Y: 570837

First Take Point:

Lat: 34°54'05.55"N

Lon: 97°44'22.22"W

Lat: 34.90154304

Lon: -97.73950595

X: 2078110

Y: 570795

Last Take Point:

Lat: 34°55'04.75"N

Lon: 97°44'23.54"W

Lat: 34.91798672

Lon: -97.73987117

X: 2046483

Y: 576796

Last Take Point:

Lat: 34°55'04.50"N

Lon: 97°44'22.40"W

Lat: 34.91791655

Lon: -97.73955601

X: 2078079

Y: 576754

Bottom Hole Loc.:

Lat: 34°55'05.74"N

Lon: 97°44'23.54"W

Lat: 34.91826149

Lon: -97.73987272

X: 2046482

Y: 576896

Bottom Hole Loc.:

Lat: 34°55'05.49"N

Lon: 97°44'22.41"W

Lat: 34.91819132

Lon: -97.73955755

X: 2078078

Y: 576854

-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK -GPS.

-NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. -Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

Survey and plat by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires: June 30, 2020 Desktop\AKS\_General\_FC\_SM.jpg

Invoice #8494-A

Date Staked: 03/28/19

By: D.L.

Date Drawn: 04/04/19

By: C.K.

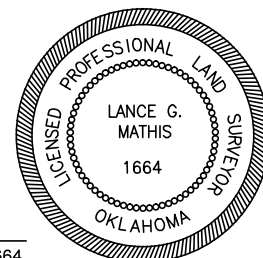
## Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

*Lance G. Mathis*  
 LANCE G. MATHIS

04/05/19

OK LPLS 1664





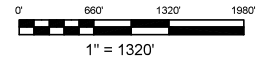
# Well Location Plat

S.H.L. Sec. 16-5N-5W I.M.  
B.H.L. Sec. 9-5N-5W I.M.

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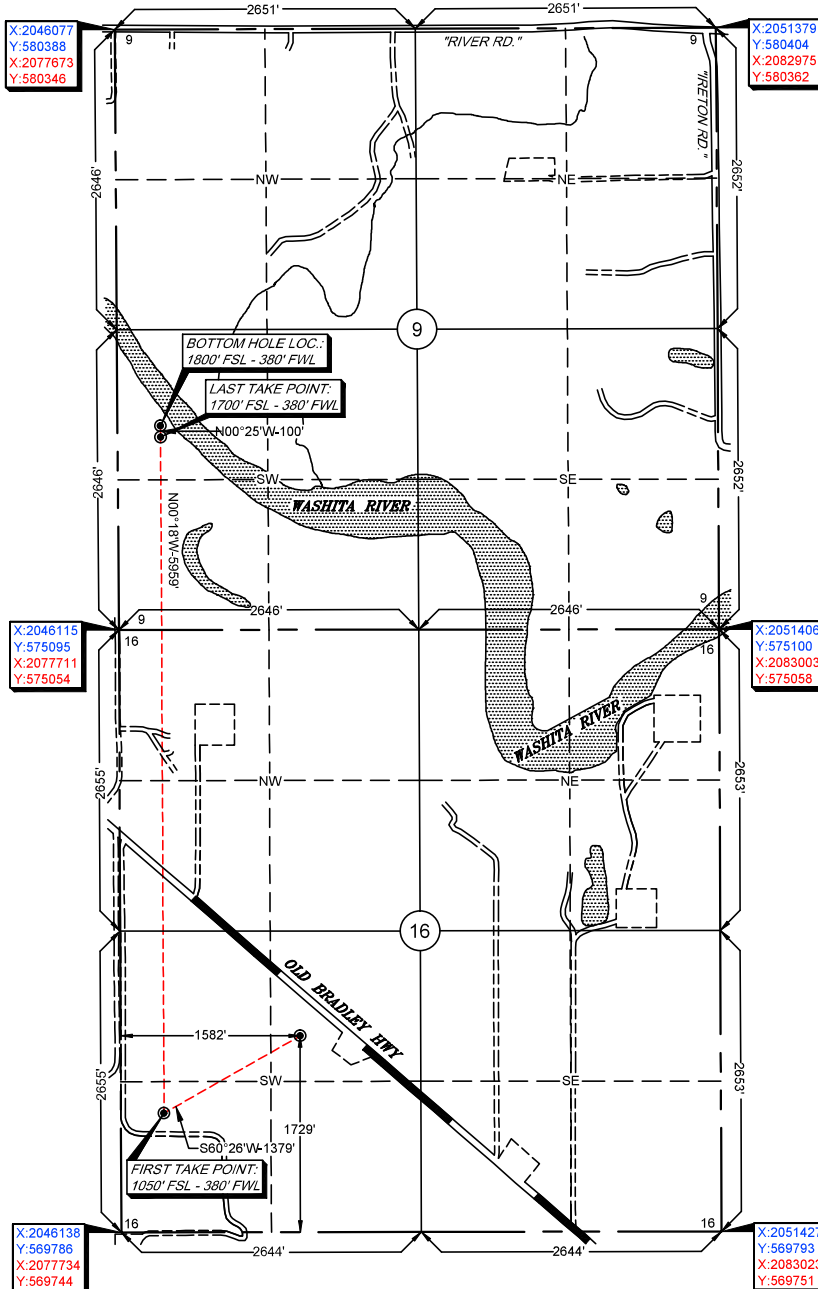
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