

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

API NUMBER: 051 24505 A

Approval Date: 10/26/2018
Expiration Date: 04/26/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: SHL CHANGE, ADD WDFD SEC. 10, CHANGE MU & LE APPLICATIONS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 5N Rge: 6W County: GRADY
SPOT LOCATION: S2 N2 NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 552 660

Lease Name: CORA MAE 0506 Well No: 10-15-1MH Well will be 552 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

POLK LLC
5715 N WESTERN AVE, STE C
OKLAHOMA CITY OK 73118

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN(ABOVE SYCAMORE)	16043	6	
2	SYCAMORE	16078	7	
3	WOODFORD	16146	8	
4			9	
5			10	

Spacing Orders: 678919
687379
687380
663546

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201902048
201902049

Special Orders:

Total Depth: 26715 Ground Elevation: 1127 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 230

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER 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 BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-35509

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: 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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 15 Twp 5N Rge 6W County GRADY

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 100

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 15690

Radius of Turn: 467

Direction: 179

Total Length: 10292

Measured Total Depth: 26715

True Vertical Depth: 16200

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

Notes:

Category

Description

DEEP SURFACE CASING

10/19/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

10/19/2018 - 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

10/19/2018 - GA8 - MIN. 20-MIL PIT LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201807138

10/26/2018 - G58 - (I.O.) 10 & 15-5N-6W
X201807135 MSPAS 10-5N-6W
X678919 SCMR 10-5N-6W
X663546/201807136 MSPAS, SCMR 15-5N-6W
COMPL. INT. 10-5N-6W NCT 2640' FNL, NCT 0' FSL, NCT 330' FEL
COMPL. INT. 15-5N-6W NCT 0' FNL, NCT 165' FSL, NCT 330' FEL
NO OP. NAMED
REC 9/28/2018 (THOMAS)

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.

Category	Description
PENDING CD - 201902048	4/12/2019 - G58 - (E.O.) 10 & 15-5N-6W EST MULTIUNIT HORIZONTAL WELL X687379 MSPAS 10-5N-6W X678919 SCMR, WDFD 10-5N-6W X663546/687380 MSPAS, SCMR 15-5N-6W (WDFD IS ADJACENT CSS TO MSPAS & SCMR) 50% 10-5N-6W 50% 15-5N-6W NO OP. NAMED REC 4/12/2019 (JOHNSON)
PENDING CD - 201902049	4/12/2019 - G58 - (E.O.) 10 & 15-5N-6W X687379 MSPAS 10-5N-6W X678919 SCMR, WDFD 10-5N-6W X663546/687380 MSPAS, SCMR 15-5N-6W COMPL. INT. 10-5N-6W NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. 15-5N-6W NCT 0' FNL, NCT 165' FSL, NCT 330' FEL NO OP. NAMED REC 4/12/2019 (JOHNSON)
SPACING - 663546	10/26/2018 - G58 - (640)(HOR) 15-5N-6W VAC 461011 CNEY, SCMR EXT 655989 MSSP (AMND TO MSPAS BY 201807136) POE TO BHL NCT 660' FB
SPACING - 678919	10/26/2018 - G58 - (640)(HOR) 10-5N-6W EXT 655144 SCMR, WDFD, OTHER POE TO BHL (SCMR) NCT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 687379	4/12/2019 - G58 - (640)(HOR) 10-5N-6W EST MSPAS POE TO BHL NCT 660' FB
SPACING - 687380	4/12/2019 - G58 - (640)(HOR) 15-5N-6W AMND 663546 MSSP TO MSPAS EXT 678919 SCMR POE TO BHL (MSPAS, SCMR) NCT 660' FB
SPUD DATE	4/9/2019 - LRDTM9 - THE ANTICIPATED SPUD DATE IS APRIL 16, 2019.
WATERSHED STRUCTURE	4/12/2019 - G71 - 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

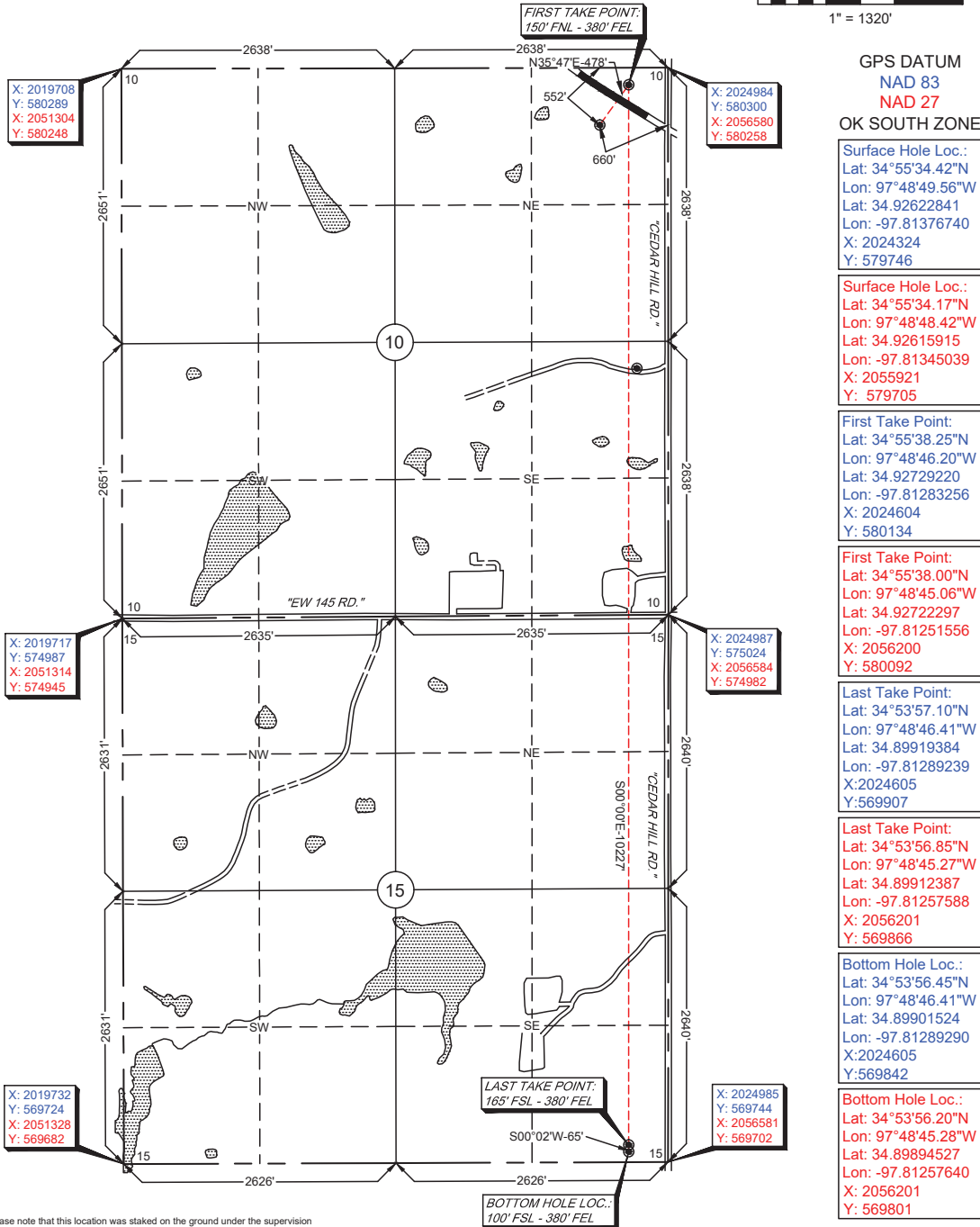
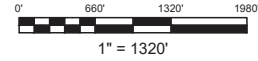
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Office of the Conservation Division as to when Surface Casing will be run.

Operator: CAMINO NATURAL RESOURCES, LLC
Lease Name and No.: CORA MAE 0506 10-15-1MH
Footage: 552' FNL - 660' FEL Gr. Elevation: 1127'
Section: 10 Township: 5N Range: 6W I.M.
County: Grady State of Oklahoma
Terrain at Loc.: Location fell on top of a hill, East of an existing pipeline, West of scattered timber, and South of a hay field.

051-24505



All bearings shown are grid bearings.



GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE
Surface Hole Loc.:
Lat: 34°55'34.42"N
Lon: 97°48'49.56"W
Lat: 34.92622841
Lon: -97.81376740
X: 2024324
Y: 579746

Surface Hole Loc.:
Lat: 34°55'34.17"N
Lon: 97°48'48.42"W
Lat: 34.92615915
Lon: -97.81345039
X: 2055921
Y: 579705

First Take Point:
Lat: 34°55'38.25"N
Lon: 97°48'46.20"W
Lat: 34.92729220
Lon: -97.81283256
X: 2024604
Y: 580134

First Take Point:
Lat: 34°55'38.00"N
Lon: 97°48'45.06"W
Lat: 34.92722297
Lon: -97.81251556
X: 2056200
Y: 580092

Last Take Point:
Lat: 34°55'57.10"N
Lon: 97°48'46.41"W
Lat: 34.89919384
Lon: -97.81289239
X: 2024605
Y: 569907

Last Take Point:
Lat: 34°53'56.85"N
Lon: 97°48'45.27"W
Lat: 34.89912387
Lon: -97.81257588
X: 2056201
Y: 569866

Bottom Hole Loc.:
Lat: 34°53'56.45"N
Lon: 97°48'46.41"W
Lat: 34.89901524
Lon: -97.81289290
X: 2024605
Y: 569842

Bottom Hole Loc.:
Lat: 34°53'56.20"N
Lon: 97°48'45.28"W
Lat: 34.89894527
Lon: -97.81257640
X: 2056201
Y: 569801

-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
Invoice #8020-A
Date Staked: 03/27/19 By: D.K.
Date Drawn: 04/01/19 By: M.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 04/03/19
OK LPLS 1664

