API NUMBER: 051 24505

Oil & Gas

Horizontal Hole

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

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

PERMIT TO DRILL

WELL LOCATION:	Sec:	10	Twp:	5N	Rge: 6	6W	County:	GRADY

SPOT LOCATION: NE NE NE SE FEET FROM QUARTER: FROM SOUTH FROM EAST SECTION LINES: 2378 304

Lease Name: CORA MAE 0506 Well No: 10-15-1MH Well will be 304 feet from nearest unit or lease boundary.

Operator CAMINO NATURAL RESOURCES LLC Telephone: 7204052706 OTC/OCC Number: 24097 0

CAMINO NATURAL RESOURCES LLC

1401 17TH ST STE 1000

DENVER, CO 80202-1247

ANTHONY LYNN GRAHAM 920 NORTH HUNT

HYDRO OK 73048

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN(ABOVE SYCAMORE)	16013	6	
2	SYCAMORE	16054	7	
3			8	
4			9	
5			10	
acing Orders:	201807135	Location Exception Orders:		Increased Density Orders:
Ü	678919	•		,
	201807136			

Pending CD Numbers: 201807137 Special Orders:

Total Depth: 24244 Ground Elevation: 1061 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 180

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: ON SITE

Space

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: 2

Liner not required for Category: 2
Pit Location is BED AQUIFER
Pit Location Formation: DUNCAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35509

H. SEE MEMO

PIT 2 INFORMATION

Type of Pit System: ON SITE

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: 3

Liner required for Category: 3
Pit Location is BED AQUIFER
Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 15 Twp 5N Rge 6W County **GRADY** SE Spot Location of End Point: SW SE SE Feet From: SOUTH 1/4 Section Line: 100 EAST Feet From: 1/4 Section Line: 380

Depth of Deviation: 15625 Radius of Turn: 511 Direction: 181

Total Length: 7817

Measured Total Depth: 24244

True Vertical Depth: 16130

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

Notes:

MEMO

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

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

PERMITTED PER DISTRICT

PENDING CD - 201807135 10/26/2018 - G58 - (640)(HOR) 10-5N-6W

EST MSPAS

POE TO BHL NCT 660' FB REC 9/28/2018 (THOMAS)

Category Description

PENDING CD - 201807136 10/26/2018 - G58 - (640)(HOR) 15-5N-6W

AMND 663546 MSSP TO MSPAS

EXT 678919 SCMR

POE TO BHL (MSPAS, SCMR) NCT 660' FB

REC 9/28/2018 (THOMAS)

PENDING CD - 201807137 10/26/2018 - G58 - (I.O.) 10 & 15-5N-6W

EST MULTIUNIT HORIZONTAL WELL X201807135 MSPAS 10-5N-6W

X678919 SCMR 10-5N-6W

X663546/201807136 MSPAS, SCMR 15-5N-6W

(SCMR IS ADJACENT COMMON SOURCE OF SUPPLY TO MSPAS)

34% 10-5N-6W 66% 15-5N-6W NO OP. NAMED

REC 9/28/2018 (THOMAS)

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)

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, OTHERS POE TO BHL NCT 660' FB

CAMINO Well Location Plat

Operator: CAMINO NATURAL RESOURCES, LLC Lease Name and No.: CORA MAE 0506 10-15-1MH Footage: 2378' FSL - 304' FEL Gr. Elevation: 1061'

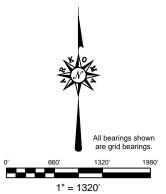
Section: 10 Township: 5N Range: 6W I.M.

State of Oklahoma County: Grady

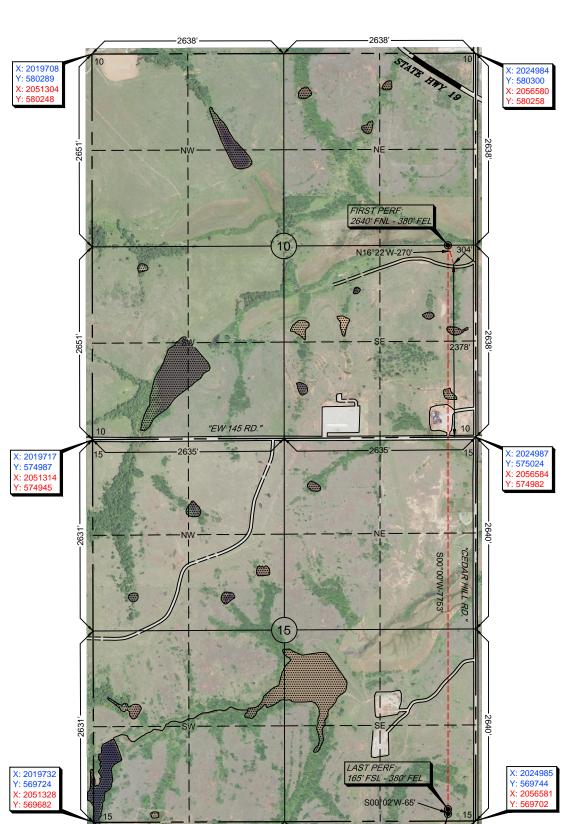
Terrain at Loc.: Location fell in an open pasture with a pond on the South side of the

051-24505

location to be filled in.



S.H.L. Sec. 10-5N-6W I.M. B.H.L. Sec. 15-5N-6W I.M.



GPS DATUM NAD 83 NAD 27 OK SOUTH ZONE

Surface Hole Loc.: Lat: 34°55'11.20"N Lon: 97°48'45.32"W X: 2024682 Y: 577400

Surface Hole Loc.: Lat: 34°55'10.95"N Lon: 97°48'44.18"W X: 2056278 Y: 577358

First Perf: Lat: 34°55'13.77"N Lon: 97°48'46.23"W X: 2024606 Y: 577659

First Perf: Lat: 34°55'13.52"N Lon: 97°48'45.09"W X: 2056202 Y: 577617

Last Perf: Lat: 34°53'57.10"N Lon: 97°48'46.41"W X: 2024605 Y: 569907

Last Perf: Lat: 34°53'56.85"N Lon: 97°48'45.27"W X: 2056201 Y: 569866

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

Bottom Hole Loc.: Lat: 34°53'56.20"N Lon: 97°48'45.28"W 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

Date Staked: 07/31/18 By: H.S.
Date Drawn: 08/06/18 By: J.K.
Revise Lease Name: 08/17/18 By: C.K.
Revise Surface Hole Loc.: 09/07/18 By: R.S.

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.



-2626'

BOTTOM HOLE LOC. 100' FSL - 380' FEL

SSIONA, QROFE SSIONAL SURVEYOR LANCE G. **MATHIS** 1664 ~^1LAHOMA OKLAHOMA

CAMINO Well Location Plat

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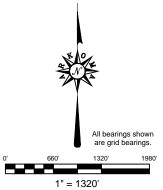
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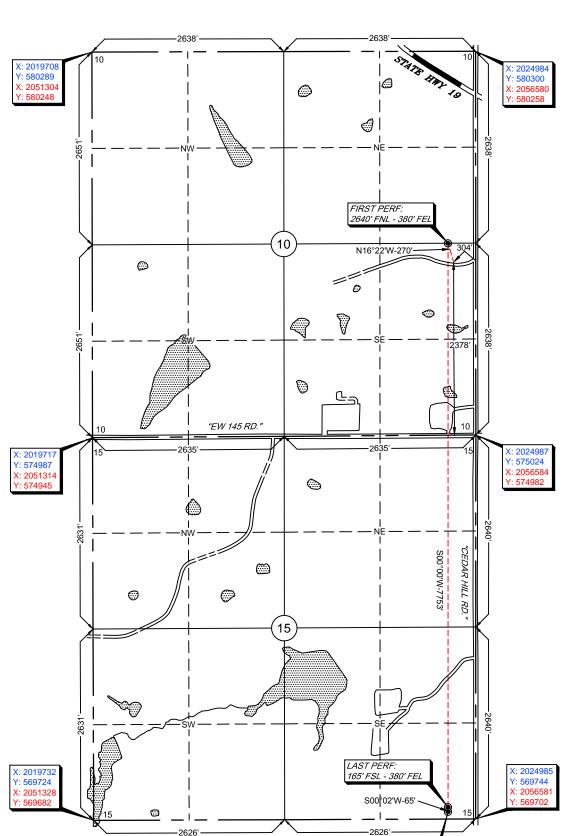
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BOTTOM HOLE LOC. 100' FSL - 380' FEL



ACE SSIONA QROFE SSIONAL SURVEYON LANCE G. **MATHIS** 1664 -7LAHOMA OKLAHOMA



CAMINO Topographic Vicinity Map

Operator: CAMINO NATURAL RESOURCES, LLC Lease Name and No.: CORA MAE 0506 10-15-1MH

Surface Hole Location: 2378' FSL - 304' FEL

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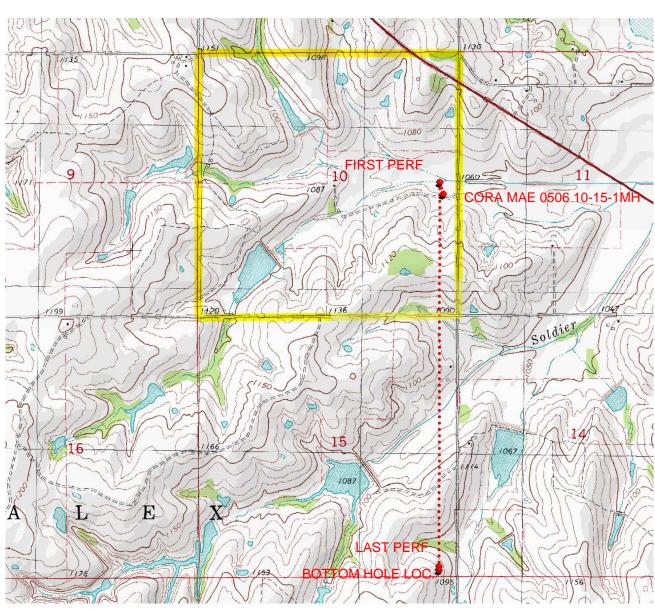
Last Perf: 165' FSL - 380' FEL

Bottom Hole Location: 100' FSL - 380' FEL Sec. 15 Twp. 5N Rng. 6W I.M. State of Oklahoma County: Grady



Scale 1" = 2000' Contour Interval: 10'

Ground Elevation at Surface Hole Location: 1061'



Provided by:

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

Certificate of Authorization No. 5348 Expires June 30, 2020

Date Staked: 07/31/18

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.

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