

API NUMBER: 051 24746 A

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

Approval Date: 01/06/2020

Expiration Date: 07/06/2021

Multi Unit Oil & Gas

Amend reason: MOVE SHL & UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 21 Township: 10N Range: 7W County: GRADY

SPOT LOCATION: ☐ NE ☐ NE ☐ SW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 1545 1588

Lease Name: RON HOWARD 1007 Well No: 21-16-1MXH Well will be 1545 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

SHAWNEE MILLING COMPANY
201 S BROADWAY
SHAWNEE OK 74801

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	11344
2	WOODFORD	319WDFD	11549

Spacing Orders: 708254 Location Exception Orders: 708915 Increased Density Orders: No Density Orders
708253
708914

Pending CD Numbers: No Pending Special Orders: No Special Orders

Total Depth: 18295 Ground Elevation: 1324 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 230

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37091
H. SEE MEMO

PIT 1 INFORMATION

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

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

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.

MULTI UNIT HOLE 1				
Section: 16	Township: 10N	Range: 7W	Total Length: 6753	
County: GRADY			Measured Total Depth: 18295	
Spot Location of End Point: N2	NW	NE	NE	True Vertical Depth: 11549
Feet From: NORTH	1/4 Section Line: 50		End Point Location from	
Feet From: EAST	1/4 Section Line: 990		Lease, Unit, or Property Line: 50	

NOTES:	
Category	Description
DEEP SURFACE CASING	12/9/2019 - 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	12/9/2019 - 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 ; 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 - 708915 (201905599)	12/18/2019 - GC2 - (I.O.) 16 & 21-10N-7W X201905597 MSSP, WDFD X201905596 MSSP, WDFD COMPL. INT. (21-10N-7W) NCT 1,900 FSL, NCT 0' FNL, NCT 660' FEL COMPL. INT. (16-10N-7W) NCT 0' FSL, NCT 150' FNL, NCT 660' FEL NO OP. NAMED 2-19-2020
MEMO	12/9/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WINTER CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 708253 (201905596)	12/18/2019 - GC2 - (640)(HOR) 16-10N-7W VAC 107705 CSTR EXT 664890 MSSP, WDFD COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL (COEXIST CONCURRENTLY 640 NON-HORIZONTAL DRILLING AND SPACING UNIT FOR MISS) 1-30-2020
SPACING - 708254 (201905597)	12/18/2019 - GC2 - (640)(HOR) 21-10N-7W VAC 107705 CSTR EXT 664890 MSSP, WDFD COMPL. INT. (MISS) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL (COEXIST CONCURRENTLY WITH 640 NON-HORIZONTAL DRILLING AND SPACING UNIT FOR MISS) 1-30-2020
SPACING - 708914 (201905598)	12/18/2019 - GC2 - (I.O.) 16 & 21-10N-7W EST MULTIUNIT HORIZONTAL WELL X201905597 MSSP, WDFD X201905596 MSSP, WDFD (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 66.67% 16-10N-7W 33.33% 21-10N-7W NO OP. NAMED 2-19-2020

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051 24746 RON HOWARD 1007 21-16-1MXH



Well Location Plat

S.H.L. Sec. 21-10N-7W I.M.
B.H.L. Sec. 16-10N-7W I.M.

Operator: CAMINO NATURAL RESOURCES, LLC

Lease Name and No.: RON HOWARD 1007 21-16-1MXH

Footage: 1545' FNL - 1588' FEL Gr. Elevation: 1324'

Section: 21 Township: 10N Range: 7W I.M.

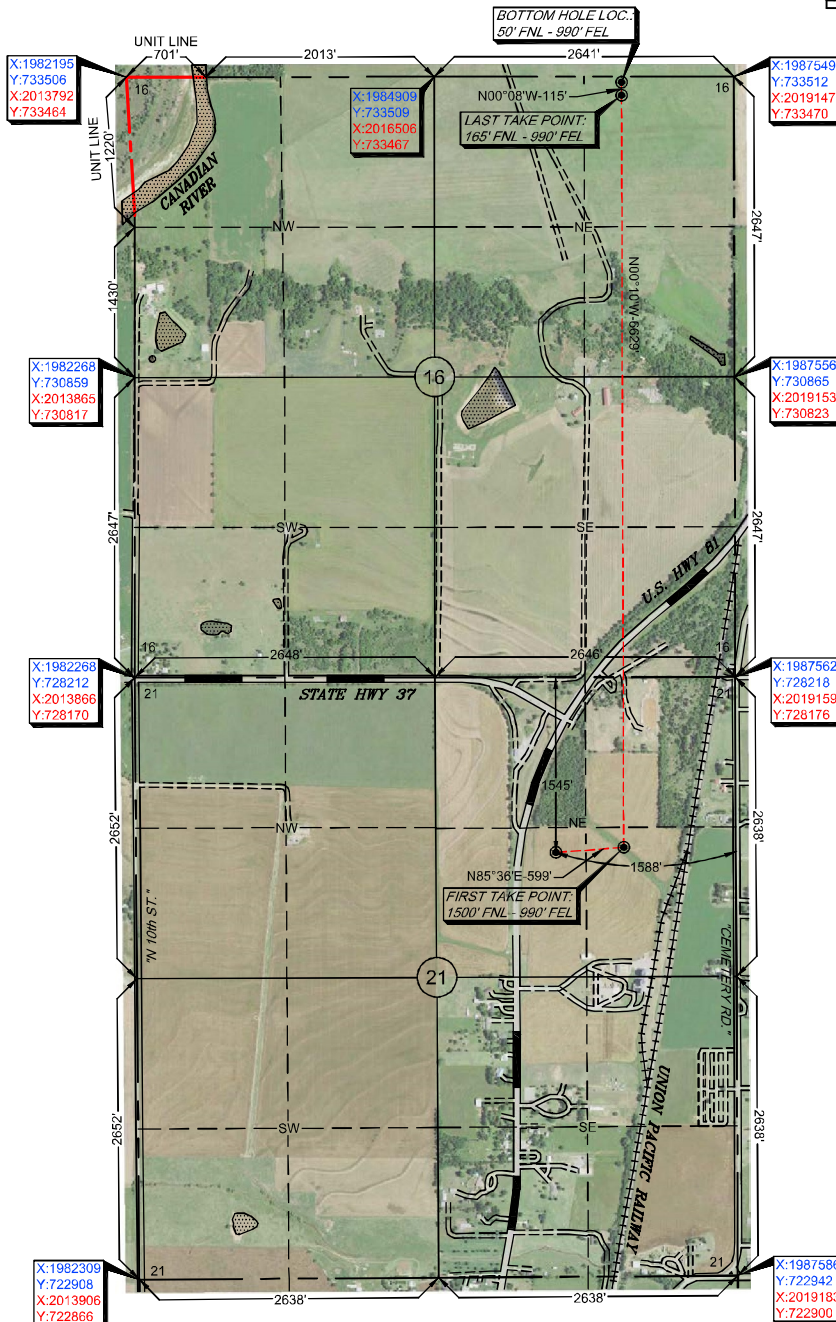
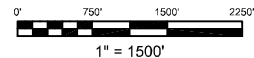
County: Grady State of Oklahoma

Terrain at Loc.: Location fell in an open crop field, with drainage to the North.

API: 051-24746A



All bearings shown
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°19'48.07"N
Lon: 97°56'29.03"W
Lat: 35.33001899
Lon: -97.94139784
X: 1985981
Y: 726671

Surface Hole Loc.:
Lat: 35°19'47.86"N
Lon: 97°56'27.86"W
Lat: 35.32996029
Lon: -97.94107318
X: 2017578
Y: 726629

First Take Point:
Lat: 35°19'48.52"N
Lon: 97°56'21.82"W
Lat: 35.33014424
Lon: -97.93939436
X: 1986579
Y: 726717

First Take Point:
Lat: 35°19'48.31"N
Lon: 97°56'20.65"W
Lat: 35.33008552
Lon: -97.93906974
X: 2018176
Y: 726675

Last Take Point:
Lat: 35°20'54.08"N
Lon: 97°56'22.00"W
Lat: 35.34835477
Lon: -97.93944401
X: 1986560
Y: 733346

Last Take Point:
Lat: 35°20'53.87"N
Lon: 97°56'20.83"W
Lat: 35.34829667
Lon: -97.93911920
X: 2018157
Y: 733304

Bottom Hole Loc.:
Lat: 35°20'55.21"N
Lon: 97°56'22.00"W
Lat: 35.34867070
Lon: -97.93944466
X: 1986560
Y: 733461

Bottom Hole Loc.:
Lat: 35°20'55.01"N
Lon: 97°56'20.83"W
Lat: 35.34861260
Lon: -97.93911985
X: 2018157
Y: 733419

-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 herein 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 #8834-D-B

Date Staked: 11/20/19 By: B.A.

Date Drawn: 11/21/19 By: C.K.

Revised SHL: 02/14/2020 By: C.K.

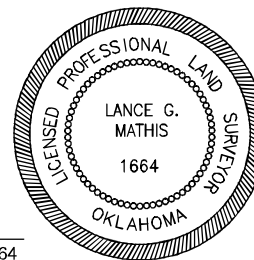
Certification:

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

02/18/2020

OK LPLS 1664



Operator: CAMINO NATURAL RESOURCES, LLC

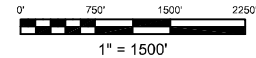
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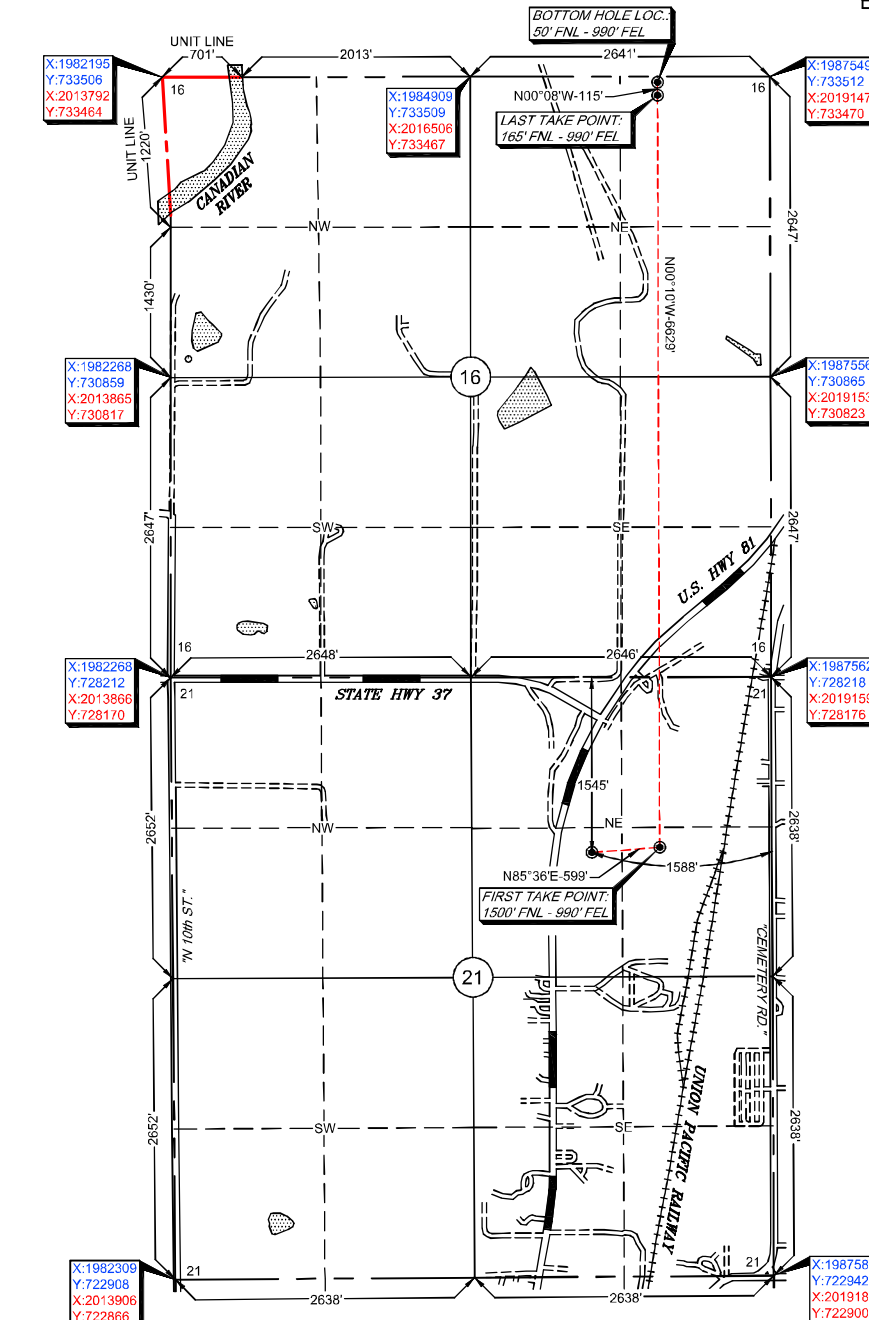
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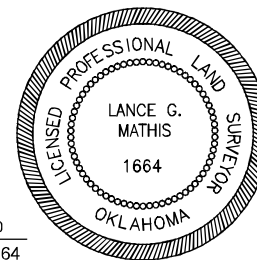
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Lance G. Mathis
LANCE G. MATHIS

02/18/2020

OK LPLS 1664



Operator: CAMINO NATURAL RESOURCES, LLC
Lease Name and No.: RON HOWARD 1007 21-16-1MXH
Surface Hole Location: 1545' FNL - 1588' FEL
First Take Point: 1500' FNL - 990' FEL
Sec. 21 Twp. 10N Rng. 7W I.M.
Last Take Point: 165' FNL - 990' FEL
Bottom Hole Location: 50' FNL - 990' FEL
Sec. 16 Twp. 10N Rng. 7W I.M.
County: Grady State of Oklahoma

