API NUMBER: 051 24746

Chlorides Max: 5000 Average: 3000

Liner not required for Category: C
Pit Location is AP/TE DEPOSIT
Pit Location Formation: TERRACE

Wellhead Protection Area?

Pit is located in Category of Pit: C

Within 1 mile of municipal water well? N

Is depth to top of ground water greater than 10ft below base of pit? Y

located in a Hydrologically Sensitive Area.

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

Horizontal Hole Multi Unit Oil & Gas

# PERMIT TO DRILL

WELL LOCATION: Sec:	21 Twp: 10N Rge: 7	W County: GR.		AST		
		SECTION LINES:	1594 1	513		
Lease Name: RON HOW	ARD 1007	Well No:	21-16-1MXH	Wel	II will be 1513 feet from neare	est unit or lease boundary.
Operator CAMING Name:	O NATURAL RESOURCES	LLC	Telephone: 720	1052706	OTC/OCC Number:	24097 0
	AL RESOURCES LLO	2		SHAWNEE MII	LLING COMPANY	
1401 17TH ST ST	E 1000			201 S BROADWAY		
DENVER, CO		80202-1247		SHAWNEE		<b>7</b> 4801
2 WOODFOR 3 4 5  Spacing Orders: No Spacin		11549  Location Exceptio	7 8 9 10 on Orders:		Increased Density Orders:	
Pending CD Numbers: 20 20 20	195597 195596 195598 195599				Special Orders:	
Total Depth: 18295	Ground Elevation: 1	322 Surface	Casing: 1500		Depth to base of Treatable Water	er-Bearing FM: 230
			Deep	surface casing ha	s been approved	
Under Federal Jurisdiction: No		Fresh Wat	er Supply Well Drilled:	No	Surface Water used to Drill: Yes	
PIT 1 INFORMATION			Approved Method for disposal of Drilling Fluids:			
Type of Pit System: CLOS	ED Closed System Means	Steel Pits				
Type of Mud System: WATER BASED			D. One time land application (REQUIRES PERMIT) PERMIT NO: 19-3709			

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 AP/TE DEPOSIT
Pit Location Formation: TERRACE

## **HORIZONTAL HOLE 1**

Sec. 16 Twp 10N Rge 7W County **GRADY** Spot Location of End Point: N2 NW ΝE NF Feet From: NORTH 1/4 Section Line: 50 Feet From: FAST 1/4 Section Line: 990

Depth of Deviation: 10959
Radius of Turn: 371
Direction: 360
Total Length: 6753

Measured Total Depth: 18295

True Vertical Depth: 11549

End Point Location from 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:

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 12/9/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WINTER CREEK), PIT

2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 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)

REC. 1-6-2020 (MILLER)

PENDING CD - 201905597 12/18/2019 - GC2 - (640)(HOR) 21-10N-7W

VAC 107705 CSTR EXT 664890 MSSP, WDFD

COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL

(COEXIST CONCURRENTLY WITH 640 NON-HORIZONTAL DRILLING AND SPACING UNIT FOR

MISS)

REC. 1-6-2020 (MILLER)

PENDING CD - 201905598 12/18/2019 - GC2 - (I.O.) 16 & 21-10N-7W

EST MULTIUNIT HORIZONTAL WELL

COMPL. INT. (MISS) NCT 660' FB

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 REC. 1-6-2020 (MILLER)

PENDING CD - 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 REC. 1-6-2020 (MILLER)

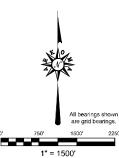
# CAMINO Well Location Plat

Operator: CAMINO NATURAL RESOURCES, LLC Lease Name and No.: RON HOWARD 1007 21-16-1MXH Footage: 1594' FNL - 1513' FEL Gr. Elevation: 1322' 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: 051-24746



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

### GPS DATUM NAD 83 NAD 27

### OK SOUTH ZONE

Surface Hole Loc.: Lat: 35°19'47.59"N Lon: 97°56'28.13"W Lat: 35.32988504 Lon: -97.94114592 X: 1986056 Y: 726623

Surface Hole Loc.: Lat: 35°19'47.37"N Lon: 97°56'26.96"W Lat: 35.32982634 Lon: -97.94082125 X: 2017653

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

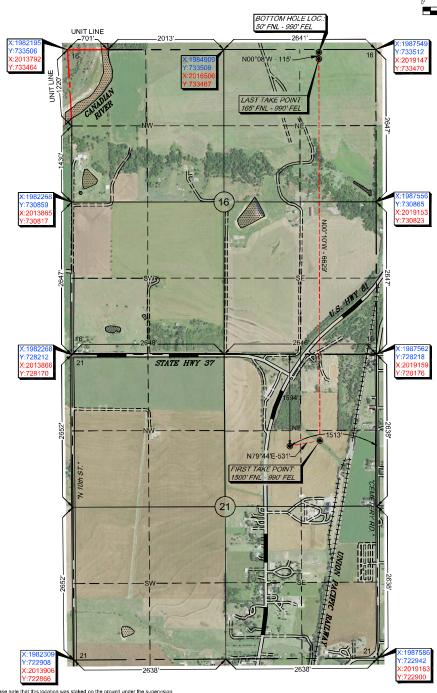
First Take Point: Lat: 35°19'48.31"N Lon: 97°56'20.65"W Lat: 35.33008552 Lon: -97.93906974 X: 2018176 Y: 726675

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 Akoma Surveying and Mapping gromptly if any inconsistency is determined. GPS data is observed from RTK - GPS - NOTE: X and Vates 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 #8834-D-B

Date Staked: 11/20/19 By: B.A.
Date Drawn: 11/21/19 By: C.K.
Revise FTP: 11/26/19 By: J.H.

## 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.



11/26/19 OK LPLS 1664



#### CAMINO 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: 1594' FNL - 1513' FEL Gr. Elevation: 1322' Section: 21 Township: 10N Range: 7W I.M. State of Oklahoma County: Grady Terrain at Loc.: Location fell in an open crop field, with drainage to the North. 1" = 1500' 50' FNL - 990' FEL UNIT LINE 2013 -2641 GPS DATUM **NAD 83** N00°08'W - 115'-**NAD 27** OK SOUTH ZONE Surface Hole Loc. LAST TAKE POINT: Lat: 35°19'47.59"N 165' FNL - 990' FEL Lon: 97°56'28.13"W " " Lat: 35.32988504 Lon: -97.94114592 X: 1986056 Y: 726623 Surface Hole Loc.: Lat: 35°19'47.37"N Lon: 97°56'26.96"W Lat: 35.32982634 Lon: -97.94082125 X: 2017653 N00°10'W -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 STATE HWY 37 X: 2018176 :201915 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 N79°44'E-531 Last Take Point: Lat: 35°20'53.87"N FIRST TAKE POINT Lon: 97°56'20.83"W 400 Lat: 35.34829667 Lon: -97.93911920 21 X: 2018157 Y: 733304 Bottom Hole Loc.: Lat: 35°20'55.21"N Lon: 97°56'22.00"V Lat: 35.34867070 Lon: -97.9<mark>394446</mark>6 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 Akoma Surveying and Mapping gromptly if any inconsistency is determined. GPS data is observed from RTK - GPS - NOTE: X and Vates 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. WILL SSIONAL SECTION AL Certification: Arkoma Surveying and Mapping, PLLC P.O. Box 238 Wilburton, OK 74578 This is to certify that this Well Location Plat represents LANCE G. P.O. Box 238 Wilburton, OK 14570 Ph. 918-465-5711 Fax 918-465-5030 Certificate of Authorization No. 5348 SURVE the results of a survey made on the ground performed MATHIS under the supervision of the undersigned. 1664 Expires June 30, 2020 Invoice #8834-D-B -^/LAHOMA Janu & Mathi LANCE G. MATHIS Date Staked: 11/20/19 11/26/19 Date Drawn: 11/21/19 By: C.K. Revise FTP: 11/26/19 By: J.H. OK LPLS 1664

