

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

API NUMBER: 051 24423

Approval Date: 07/24/2018

Expiration Date: 01/24/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 10N Rge: 7W

County: GRADY

SPOT LOCATION: ☐ NE ☐ SE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 865 277

Lease Name: GINGERBREAD

Well No: 1H-1324X

Well will be 277 feet from nearest unit or lease boundary.

Operator Name: CIMAREX ENERGY CO

Telephone: 9185851100

OTC/OCC Number: 21194 0

CIMAREX ENERGY CO  
202 S CHEYENNE AVE STE 1000  
TULSA, OK 74103-3001

WHB CATTLE, LP  
P O BOX 25429  
OKLAHOMA CITY OK 73125

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	10004	6	
2	WOODFORD	10587	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804197  
201804198  
201804199  
201804200

Special Orders:

Total Depth: 20181

Ground Elevation: 1237

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 140

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 18-33871  
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN COUNTY)

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.

# HORIZONTAL HOLE 1

Sec 24 Twp 10N Rge 7W County GRADY

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 9944

Radius of Turn: 658

Direction: 185

Total Length: 9203

Measured Total Depth: 20181

True Vertical Depth: 10600

End Point Location from Lease,  
Unit, or Property Line: 150

## Notes:

### Category

### Description

DEEP SURFACE CASING

6/6/2018 - 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

6/6/2018 - 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)

PENDING CD - 201804197

6/12/2018 - G58 - (640)(HOR) 13 & 24-10N-7W  
EST MSSLM  
EXT 677765 WDFD  
COMPL. INT. (MSSLM) NLT 660' FB  
COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL  
(COEXIST SP. ORDER 107705 MSSLM)  
REC 7/6/2018 (DUNN)

PENDING CD - 201804198

6/12/2018 - G58 - (I.O.) 13 & 24-10N-7W  
EST MULTIUNIT HORIZONTAL WELL  
(WDFD IS ADJACENT COMMON SOURCE OF SUPPLY TO MSSLM)  
X201804197 MSSLM, WDFD (13 & 24-10N-7W)  
50% 13-10N-7W  
50% 24-10N-7W  
NO OP. NAMED  
REC 7/6/2018 (DUNN)

PENDING CD - 201804199

6/12/2018 - G58 - (I.O.) 13 & 24-10N-7W  
X201804197 MSSLM, WDFD (13 & 24-10N-7W)  
COMPL. INT. (13-10N-7W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL  
COMPL. INT. (24-10N-7W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL  
NO OP. NAMED  
REC 7/6/2018 (DUNN)

PENDING CD - 201804200

6/20/2018 - G58 - (I.O.) 24-10N-7W  
X165:10-3-28(C)(2)(B) MSSLM (GINGERBREAD 1H-1324X)  
MAY BE CLOSER THAN 600' BRAUM A 1 WELL  
MAY BE CLOSER THAN 600' FROM THE WH 1-24 WELL  
REC 7/6/2018 (DUNN)

This permit does not address the right of entry or settlement of surface damages.

051 24423 GINGERBREAD 1H-1324X

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.

# CIMAREX Well Location Plat

Operator: CIMAREX ENERGY COMPANY  
Lease Name and No.: GINGERBREAD 1H-1324X  
Footage: 865' FNL - 277' FEL Gr. Elevation: 1237' 051-24423  
Section: 13 Township: 10N Range: 7W I.M.  
County: Grady State of Oklahoma  
Terrain at Loc.: Location fell in an open, flat and cultivated field.

S.H.L. Sec. 13-10N-7W I.M.  
B.H.L. Sec. 24-10N-7W I.M.



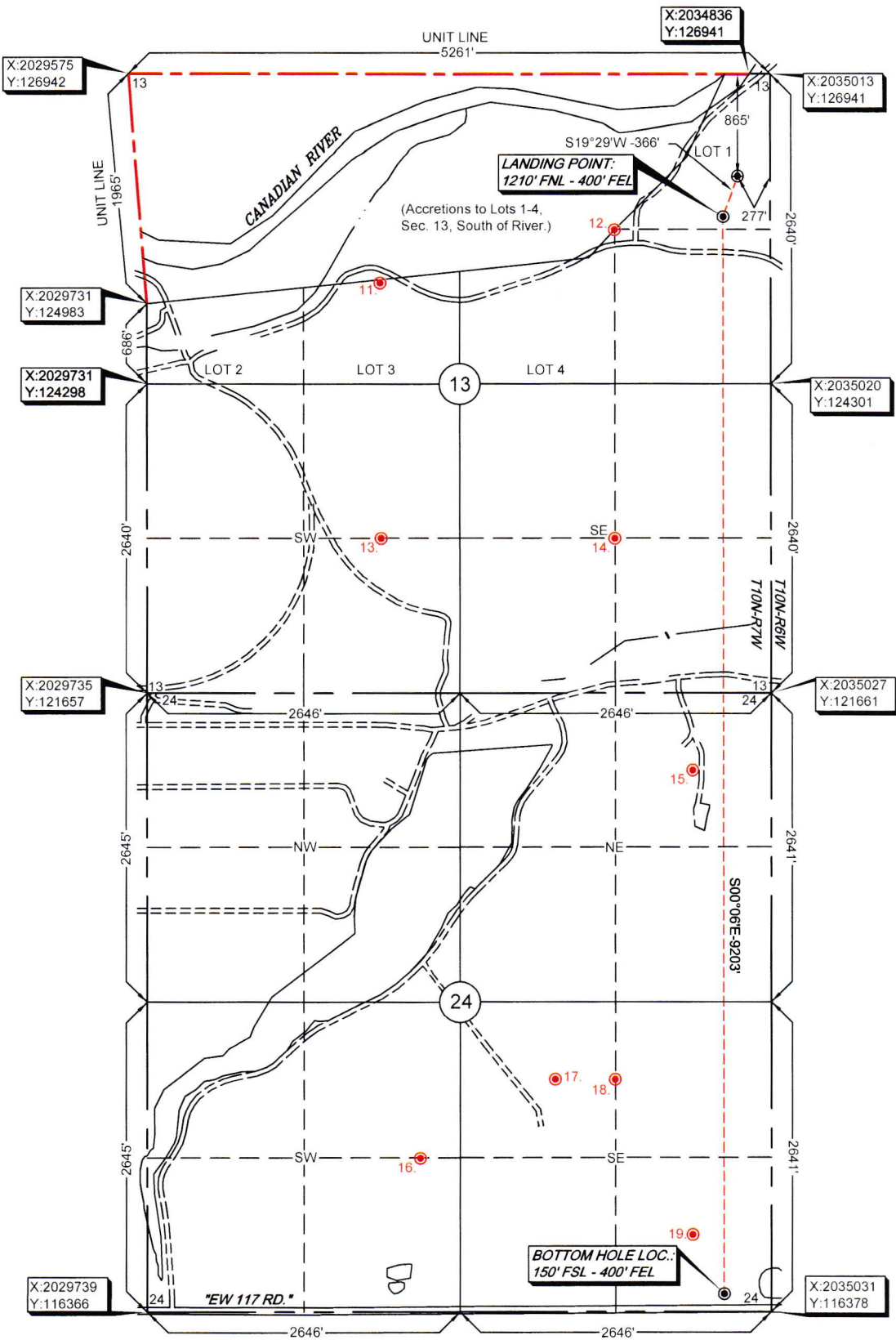
All bearings shown  
are grid bearings.

0' 660' 1320' 1980'

1" = 1320'

GPS DATUM  
NAD 27  
OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°20'46.65"N
Lon: 97°53'00.70"W
X: 2034738
Y: 126076
Landing Point:
Lat: 35°20'43.24"N
Lon: 97°53'02.18"W
X: 2034616
Y: 125731
Bottom Hole Loc.:
Lat: 35°19'12.22"N
Lon: 97°53'02.13"W
X: 2034631
Y: 116527



-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

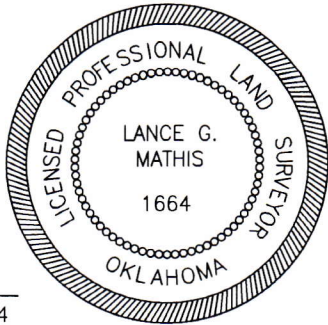
## Certification:

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

06/13/18

OK LPLS 1664



Invoice #4897-D-B  
Date Staked: 06/08/18 By: R.L.  
Date Drawn: 06/12/18 By: J.K.