

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 A

Approval Date: 01/03/2020

Expiration Date: 07/03/2021

Horizontal Hole
Multi Unit

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: 681944
685497
702166

Location Exception Orders: 702167
702168
685498
683583

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 20181

Ground Elevation: 1237

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 140

Deep surface casing has been approved

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: 19-37166
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 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.

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

12/18/2019 - 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

EXCEPTION TO THE RULE - 683583
(201804200)

1/3/2020 - GC2 - (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 & WH 1-24 WELL
NO OP NAMED
9-24-2018

EXCEPTION TO THE RULE - 702168
(201804200)

1/3/2020 - GC2 - EXT OF TIME FOR ORDER 683583 UNTIL 9-24-2020.

HYDRAULIC FRACTURING

12/18/2019 - 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 - 685498
(201804199)

1/3/2020 - GC2 - (I.O.) 13 & 24-10N-7W
X681944 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
CIMAREX ENERGY CO
10-25-2018

LOCATION EXCEPTION - 702167
(201804199)

1/3/2020 - GC2 - EXT OF TIME FOR ORDER 685498 UNTIL 10-25-2020.

SPACING - 681944

1/3/2020 - GC2 - (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)
8-23-2018

SPACING - 685497 (201804198)

1/3/2020 - GC2 - (I.O.) 13 & 24-10N-7W
EST MULTIUNIT HORIZONTAL WELL
(WDFD IS ADJACENT COMMON SOURCE OF SUPPLY TO MSSLM)
X681944 MSSLM, WDFD 13 & 24-10N-7W
50% 13-10N-7W
50% 24-10N-7W
CIMAREX ENERGY CO
10-25-2018

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

051 24423 GINGERBREAD 1H-1324X

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CIMAREX Well Location Plat

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

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

Operator: CIMAREX ENERGY COMPANY

Lease Name and No.: GINGERBREAD 1H-1324X

Footage: 865' FNL - 277' FEL Gr. Elevation: 1237'

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.

API: 051-24423A



All bearings shown
are grid bearings



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

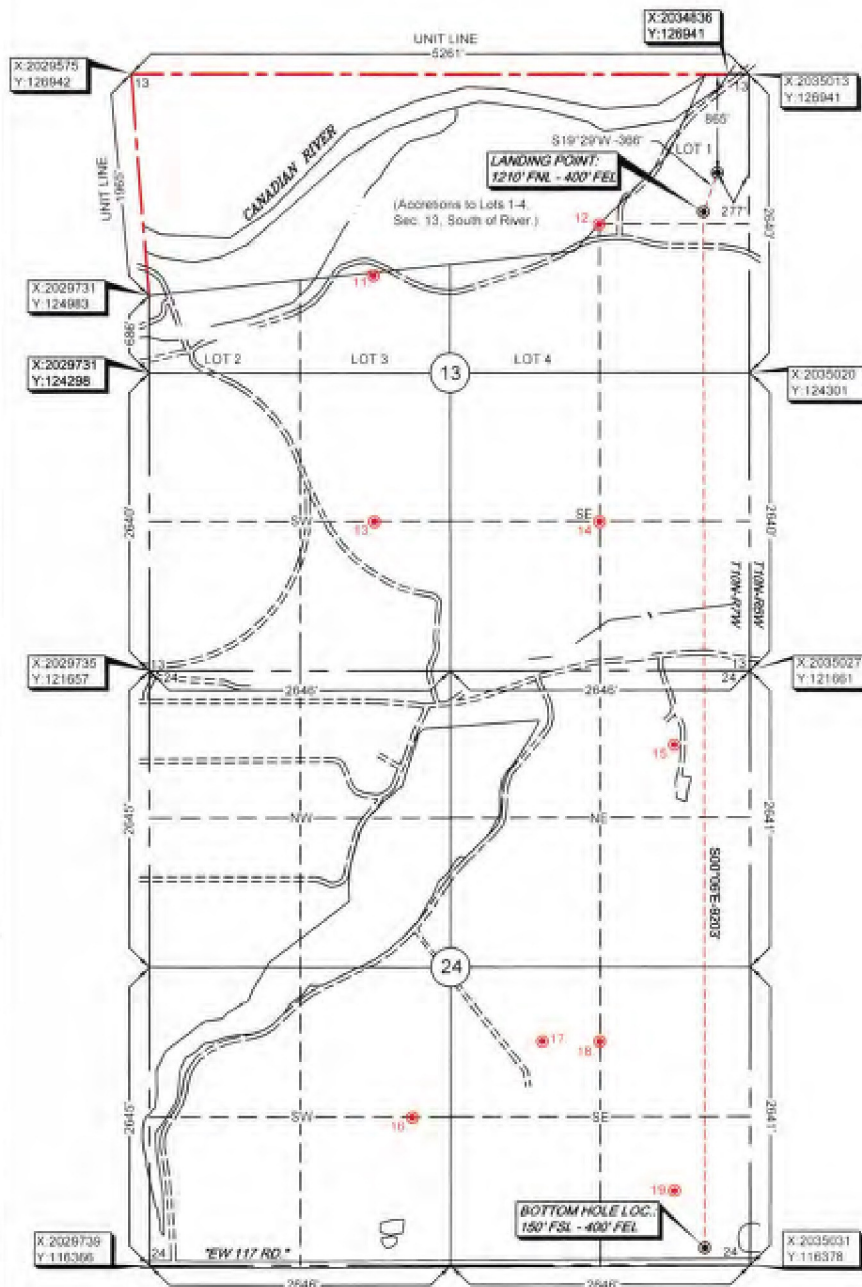
Bottom Hole Loc.:

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 obtained 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 #4897-D-B

Date Staked: 06/08/18 By: R.L.

Date Drawn: 06/12/18 By: J.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

06/13/18

OK LPLS 1664

