

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

API NUMBER: 063 24834

Approval Date: 07/23/2018

Expiration Date: 01/23/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 6N Rge: 11E County: HUGHES

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 2396 183

Lease Name: WHITETAIL Well No: 1-28/21H Well will be 183 feet from nearest unit or lease boundary.

Operator Name: CANYON CREEK ENERGY OPERATING LLC

Telephone: 9185616737

OTC/OCC Number: 23443 0

CANYON CREEK ENERGY OPERATING LLC
2431 E 61ST ST STE 400
TULSA, OK 74136-1237

SCOTT ANDREWS
P.O. BOX 661
WINNSBORO TX 75494

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5790	6	
2	WOODFORD	6150	7	
3			8	
4			9	
5			10	

Spacing Orders: 680065
680242

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804028
201804029
201804030

Special Orders:

Total Depth: 13700 Ground Elevation: 724 Surface Casing: 1000 Depth to base of Treatable Water-Bearing FM: 80

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: ON SITE

Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: SENORA

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

F. Haul to Commercial soil farming facility: Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Order No: 551649

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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 BED AQUIFER

Pit Location Formation: SENORA

PIT 3 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 BED AQUIFER

Pit Location Formation: SENORA

HORIZONTAL HOLE 1

Sec 21 Twp 6N Rge 11E County HUGHES

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5555

Radius of Turn: 382

Direction: 5

Total Length: 7545

Measured Total Depth: 13700

True Vertical Depth: 6150

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

7/20/2018 - 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

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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.

063 24834 WHITETAIL 1-28/21H

Category	Description
HYDRAULIC FRACTURING	<p>7/23/2018 - G57 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
MEMO	<p>7/20/2018 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER), PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PENDING CD - 201804028	<p>7/20/2018 - G57 - (I.O.) 21 & 28-6N-11E EST MULTIUNIT HORIZONTAL WELL X680065 MSSP, WDFD 28-6N-11E X680242 MSSP, WDFD 21-6N-11E (MSSP IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE WDFD) 64% 21-6N-11E 36% 28-6N-11E CANYON CREEK OPERATING, LLC. REC 6-11-2018 (DUNN)</p>
PENDING CD - 201804029	<p>7/20/2018 - G57 - (I.O.) 21 & 28-6N-11E X680065 MSSP, WDFD 28-6N-11E X680242 MSSP, WDFD 21-6N-11E COMPL. INT. (28-6N-11E) NCT 2300' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (21-6N-11E) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 6-11-2018 (DUNN)</p>
PENDING CD - 201804030	<p>7/20/2018 - G57 - 28-6N-11E X680065 WDFD 1 WELL CANYON CREEK ENERGY OPERATING, LLC. REC 6-11-2018 (DUNN)</p>
SPACING - 680065	<p>7/20/2018 - G57 - (640)(HOR) 28-6N-11E EST MSSP, WDFD POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST W/ SP. 490362 CNEY, MYES, WDFD)</p>
SPACING - 680242	<p>7/20/2018 - G57 - (640)(HOR) 21-6N-11E EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST W/ SP. ORDER 541330 MSSP, WDFD)</p>

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.



Well Location Plat

S.H.L. Sec. 29-6N-11E I.M.

B.H.L. Sec. 21-6N-11E I.M.

Operator: CANYON CREEK ENERGY

Lease Name and No.: WHITETAIL 1-28/21H

Footage: 2396' FSL - 183' FEL Gr. Elevation: 724'

Section: 29 Township: 6N Range: 11E I.M.

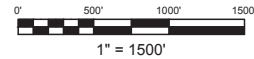
County: Hughes State of Oklahoma

Terrain at Loc.: Location fell in a pasture.

API:063 24834



All bearings shown
are grid bearings.



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:

Lat: 34°57'45.94"N

Lon: 96°09'36.10"W

X: 2519770

Y: 598015

Surface Hole Loc.:

Lat: 34°57'45.61"N

Lon: 96°09'35.08"W

X: 2551368

Y: 597967

Landing Point:

Lat: 34°57'51.67"N

Lon: 96°09'25.98"W

X: 2520601

Y: 598611

Landing Point:

Lat: 34°57'51.35"N

Lon: 96°09'24.97"W

X: 2552199

Y: 598562

Bottom Hole Loc.:

Lat: 34°59'06.32"N

Lon: 96°09'25.76"W

X: 2520482

Y: 606156

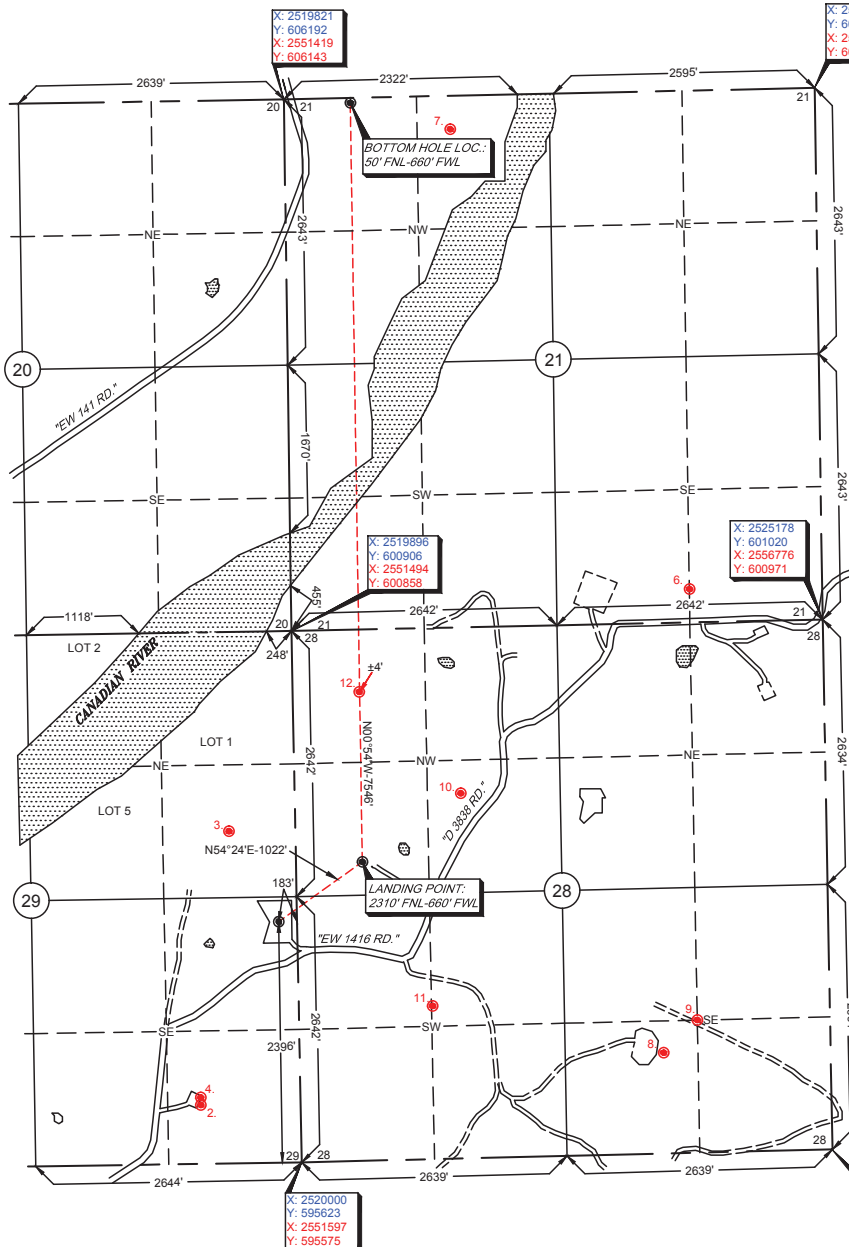
Bottom Hole Loc.:

Lat: 34°59'05.99"N

Lon: 96°09'24.75"W

X: 2552079

Y: 606108



*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.

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, 2018

Invoice #7660-B

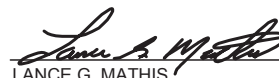
Date Staked: 03/01/18 By: D.A.

Date Drawn: 03/09/18 By: J.D.

Rev. Lease Name: 04/12/18 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.


LANCE G. MATHIS

04/12/18

OK LPLS 1664

