

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

API NUMBER: 029 21367 A

Approval Date: 12/19/2017  
Expiration Date: 06/19/2018

Horizontal Hole Oil & Gas

Amend reason: AMEND TO OIL/GAS HZ PERMIT AND CHANGE  
WELL NUMBER.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 3N Rge: 10E County: COAL  
SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 2519 575

Lease Name: KILO Well No: 1-8/17/20H Well will be 575 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

KLC FAMILY LIMITED PARTNERSHIP  
1997 WADE RD.  
BENNINGTON OK 74723

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

Name	Depth	Name	Depth
1 WOODFORD	5765	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708559  
201708560  
201708561

Special Orders:

Total Depth: 17326 Ground Elevation: 642 Surface Casing: 1000 IP Depth to base of Treatable Water-Bearing FM: 110

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

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 20 Twp 3N Rge 10E County COAL

Spot Location of End Point: SW NE NE SE

Feet From: SOUTH 1/4 Section Line: 2000

Feet From: EAST 1/4 Section Line: 600

Depth of Deviation: 5301

Radius of Turn: 491

Direction: 190

Total Length: 11254

Measured Total Depth: 17326

True Vertical Depth: 5765

End Point Location from Lease,  
Unit, or Property Line: 2000

Notes:

Category

Description

DEEP SURFACE CASING

12/14/2017 - 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

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.

029 21367 KILO 1-8/17/20H

Category	Description
HYDRAULIC FRACTURING	<p>1/4/2018 - G71 - 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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
MEMO	<p>12/14/2017 - G71 - PITS 2 &amp; 3 - CLOSED SYSTEM=STEEL PITS (REQUIRED - MUDDY BOGGY CREEK), PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PENDING CD - 201708559	<p>1/5/2018 - G58 - (640)(HOR)(E.O.) 8 &amp; 17 &amp; 20-3N-10E  VAC 532434 WDFD  EST WDFD, OTHERS  COMPL. INT. NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL  (COEXIST SP. ORDER 179062 OTHER; SP. ORDER 522754 WDFD, OTHERS)  REC 12/29/2017 (DUNN)</p>
PENDING CD - 201708560	<p>1/5/2018 - G58 - (E.O.) 8 &amp; 17 &amp; 20-3N-10E  EST MULTIUNIT HORIZONTAL WELL  X201708559 WDFD (8 &amp; 17 &amp; 20-3N-10E)  22% 8-3N-10E  48% 17-3N-10E  30% 20-3N-10E  NO OP. NAMED  REC 12/29/2017 (DUNN)</p>
PENDING CD - 201708561	<p>1/5/2018 - G58 - (E.O.) 8 &amp; 17 &amp; 20-3N-10E  X201708559 WDFD  COMPL. INT. (8-3N-10E) NCT 1800' FNL, NCT 0' FSL, NCT 330' FEL  COMPL. INT. (17-3N-10E) NCT 0' FNL, NCT 0' FSL, NCT 330' FWL  COMPL. INT. (20-3N-10E) NCT 0' FNL, NCT 1320' FSL, NCT 330' FEL  NO OP. NAMED  REC 12/29/2017 (DUNN)</p>
SPACING	<p>12/19/2017 - G58 - N/A - STRATIGRAPHIC TEST</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. 9-3N-10E I.M.  
B.H.L. Sec. 20-3N-10E I.M.

Operator: CANYON CREEK ENERGY

Lease Name and No.: KILO 1-8/17/20H

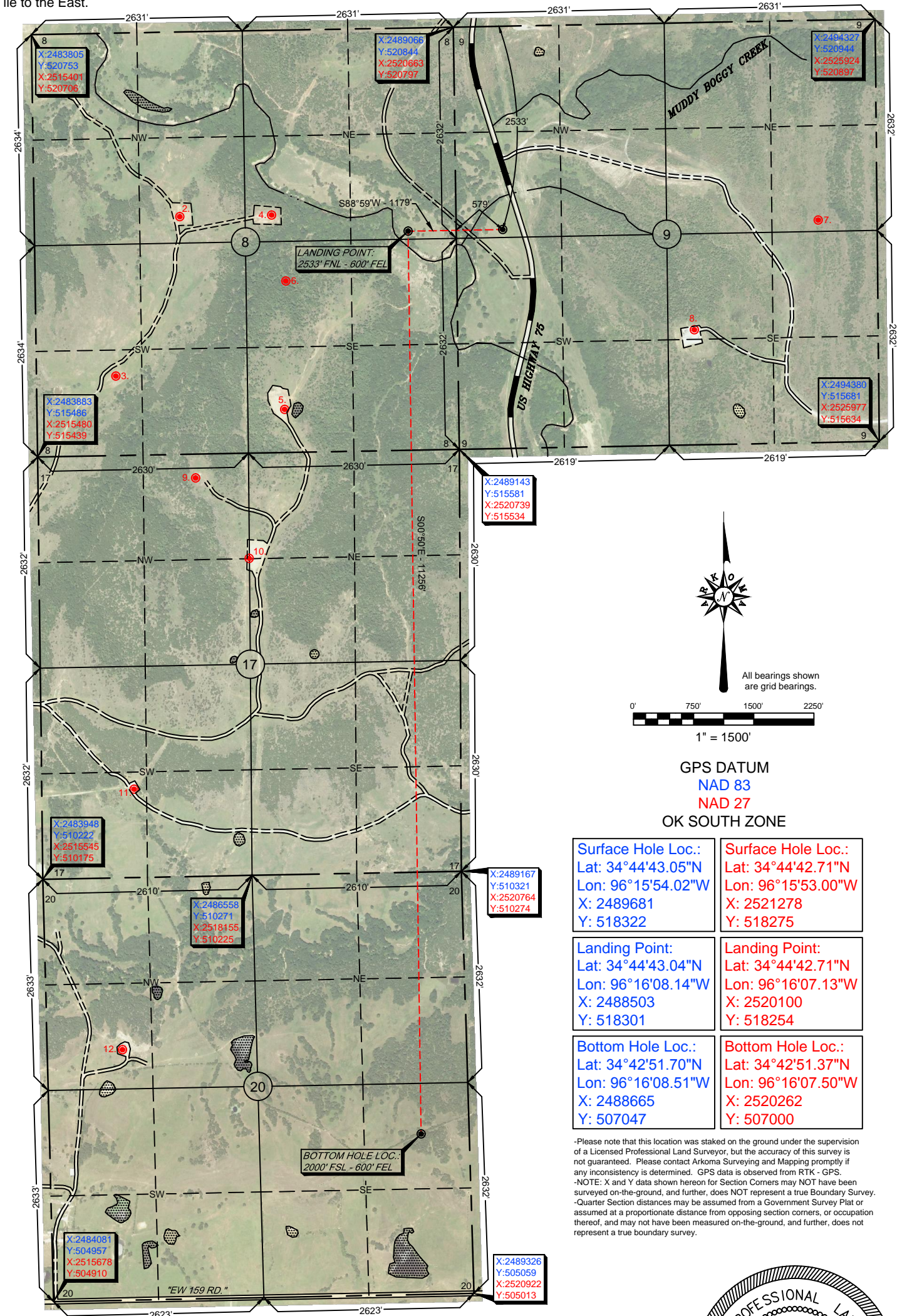
Footage: 2533' FNL - 579' FWL Gr. Elevation: 642'

Section: 9 Township: 3N Range: 10E I.M.

County: Coal State of Oklahoma

Terrain at Loc.: Location fell in wide open pasture with a creek to the North. US Highway 75 and a high fence lie to the East.

029-21367



All bearings shown  
are grid bearings.

0' 750' 1500' 2250'  
1" = 1500'

GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:  
Lat: 34°44'43.05"N  
Lon: 96°15'54.02"W  
X: 2489681  
Y: 518322

Surface Hole Loc.:  
Lat: 34°44'42.71"N  
Lon: 96°15'53.00"W  
X: 2521278  
Y: 518275

Landing Point:  
Lat: 34°44'43.04"N  
Lon: 96°16'08.14"W  
X: 2488503  
Y: 518301

Landing Point:  
Lat: 34°44'42.71"N  
Lon: 96°16'07.13"W  
X: 2520100  
Y: 518254

Bottom Hole Loc.:  
Lat: 34°42'51.70"N  
Lon: 96°16'08.51"W  
X: 2488665  
Y: 507047

Bottom Hole Loc.:  
Lat: 34°42'51.37"N  
Lon: 96°16'07.50"W  
X: 2520262  
Y: 507000

-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, 2018

Invoice #7493-B

Date Staked: 11/20/17 By: J.L.

Date Drawn: 11/27/17 By: J.H.

Rev. Lease Name: 01/05/18 By: R.S.

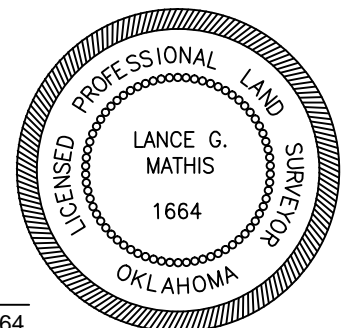
Certification:

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

01/05/18

OK LPLS 1664



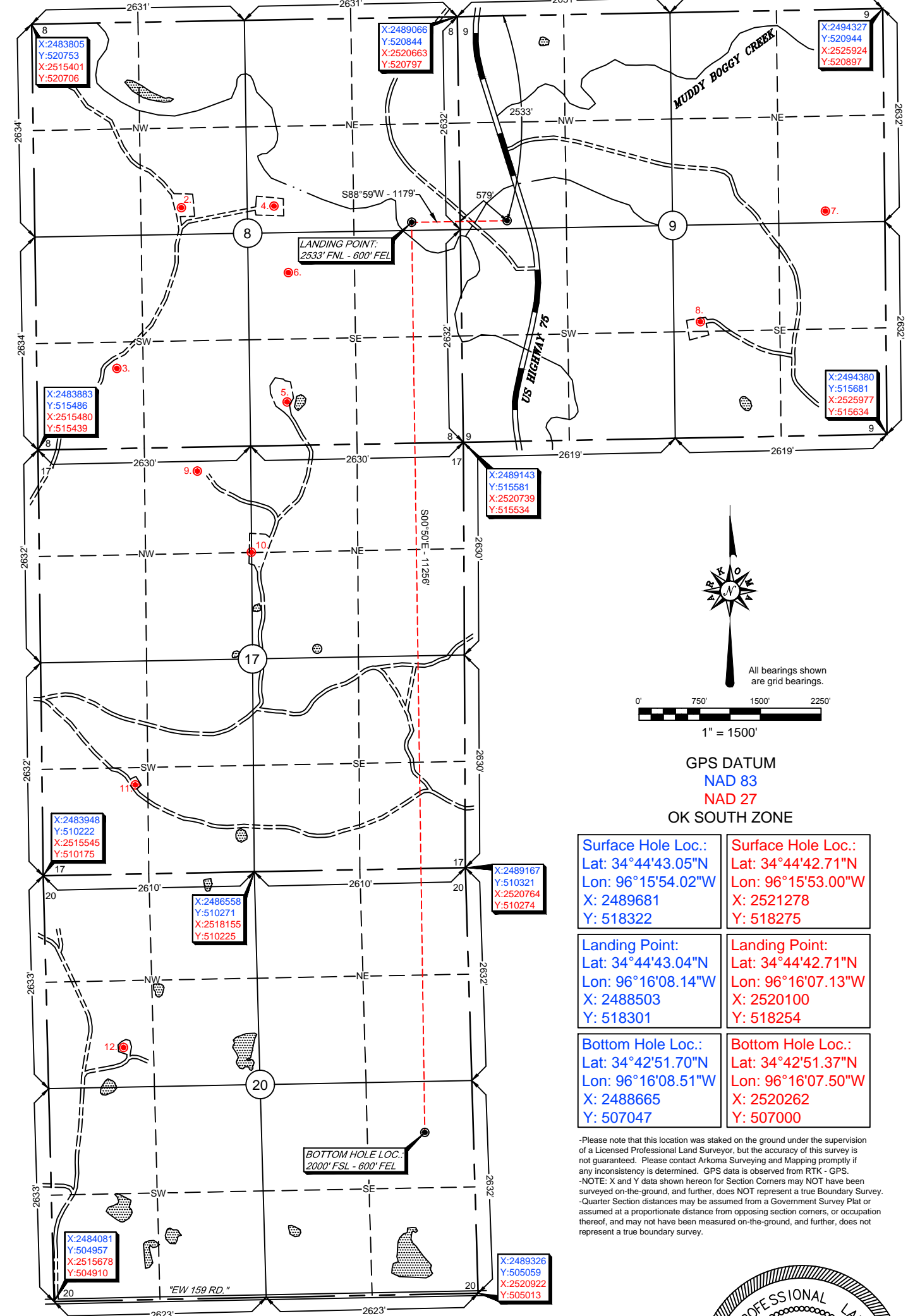




# Well Location Plat

S.H.L. Sec. 9-3N-10E I.M.  
B.H.L. Sec. 20-3N-10E I.M.

Operator: CANYON CREEK ENERGY  
Lease Name and No.: KILO 1-8/17/20H  
Footage: 2533' FNL - 579' FWL Gr. Elevation: 642'  
Section: 9 Township: 3N Range: 10E I.M.  
County: Coal State of Oklahoma  
Terrain at Loc.: Location fell in wide open pasture with a creek to the North. US Highway 75 and a high fence lie to the East.



<b>Surface Hole Loc.:</b> Lat: 34°44'43.05"N Lon: 96°15'54.02"W X: 2489681 Y: 518322	<b>Surface Hole Loc.:</b> Lat: 34°44'42.71"N Lon: 96°15'53.00"W X: 2521278 Y: 518275
<b>Landing Point:</b> Lat: 34°44'43.04"N Lon: 96°16'08.14"W X: 2488503 Y: 518301	<b>Landing Point:</b> Lat: 34°44'42.71"N Lon: 96°16'07.13"W X: 2520100 Y: 518254
<b>Bottom Hole Loc.:</b> Lat: 34°42'51.70"N Lon: 96°16'08.51"W X: 2488665 Y: 507047	<b>Bottom Hole Loc.:</b> Lat: 34°42'51.37"N Lon: 96°16'07.50"W X: 2520262 Y: 507000

-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.  
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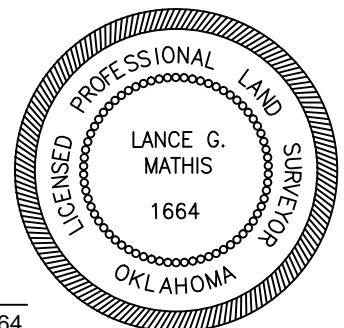
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LANCE G. MATHIS

01/05/18

OK LPLS 1664





# Anti-Collision Info

S.H.L. Sec. 9-3N-10E I.M.  
B.H.L. Sec. 20-3N-10E I.M.

Operator: CANYON CREEK ENERGY

Lease Name and No.: KILO 1-8/17/20H

Surface Hole Location: 2533' FNL - 579' FWL Gr. Elevation: 642'

Sec. 9 Twp. 3N Rng. 10E I.M.

Landing Point: 2533' FNL - 600' FEL

Sec. 8 Twp. 3N Rng. 10E I.M.

Bottom Hole Location: 2000' FSL - 600' FEL

Sec. 20 Twp. 3N Rng. 10E I.M.

County: Coal State of Oklahoma

## SECTION 17-3N-10E

9. ENABLE GAS TRANS. CHILES-DOME 16 2334' FSL - 1965' FWL (NW/4) OCC STATUS: AC	10. URBAN OIL & GAS DOUBLE 5 RANCH 1-17 1320' FSL - 2620' FWL (NW/4) OCC STATUS: PA	11. ENABLE GAS TRANS. D.CODY (DAVIS BROS.) 1 1100' FSL - 1150' FWL (SW/4) OCC STATUS: AC
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## SECTION 20-3N-10E

12. ENABLE GAS TRANS. CHILES-DOME 3 490' FSL - 938' FWL (NW/4) OCC STATUS: AC
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## SECTION 8-3N-10E

2. URBAN OIL & GAS DOUBLE 5 RANCH 3-8 330' FSL - 1815' FWL (NW/4) OCC STATUS: AC	3. ENABLE GAS TRANS. DOUBLE 5 RANCH 1-8 990' FSL - 990' FWL (SW/4) OCC STATUS: PA	4. URBAN OIL & GAS DOUBLE 5 RANCH 2-8 330' FSL - 330' FWL (NE/4) OCC STATUS: PA	5. URBAN OIL & GAS DOUBLE 5 RANCH 4-8 538' FSL - 457' FWL (SE/4) OCC STATUS: PA
6. OTC/OCC NA ARMSTRONG 1 495' FNL - 495' FWL (SE/4) OCC STATUS: PA			

## SECTION 9-3N-10E

7. ENABLE GAS TRANS. CHILES-DOME 14 140' FSL - 1890' FWL (NE/4) OCC STATUS: AC	8. LINN OPERATING LLC DOUBLE 5 RANCH 1-9H 1435' FSL - 327' FWL (NW/4) OCC STATUS: AC
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Survey and plat by:

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P.O. Box 238 Wilburton, OK 74578

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Expires June 30, 2018

Invoice #7493-B

Date Staked: 11/20/17 By: J.L.

Date Drawn: 11/27/17 By: J.H.

### \*PLEASE NOTE\*

EXISTING WELL DATA SHOWN HEREON WAS  
FURNISHED FROM THE OCC WEBSITE AND WAS NOT  
SURVEYED OR VERIFIED ON THE GROUND





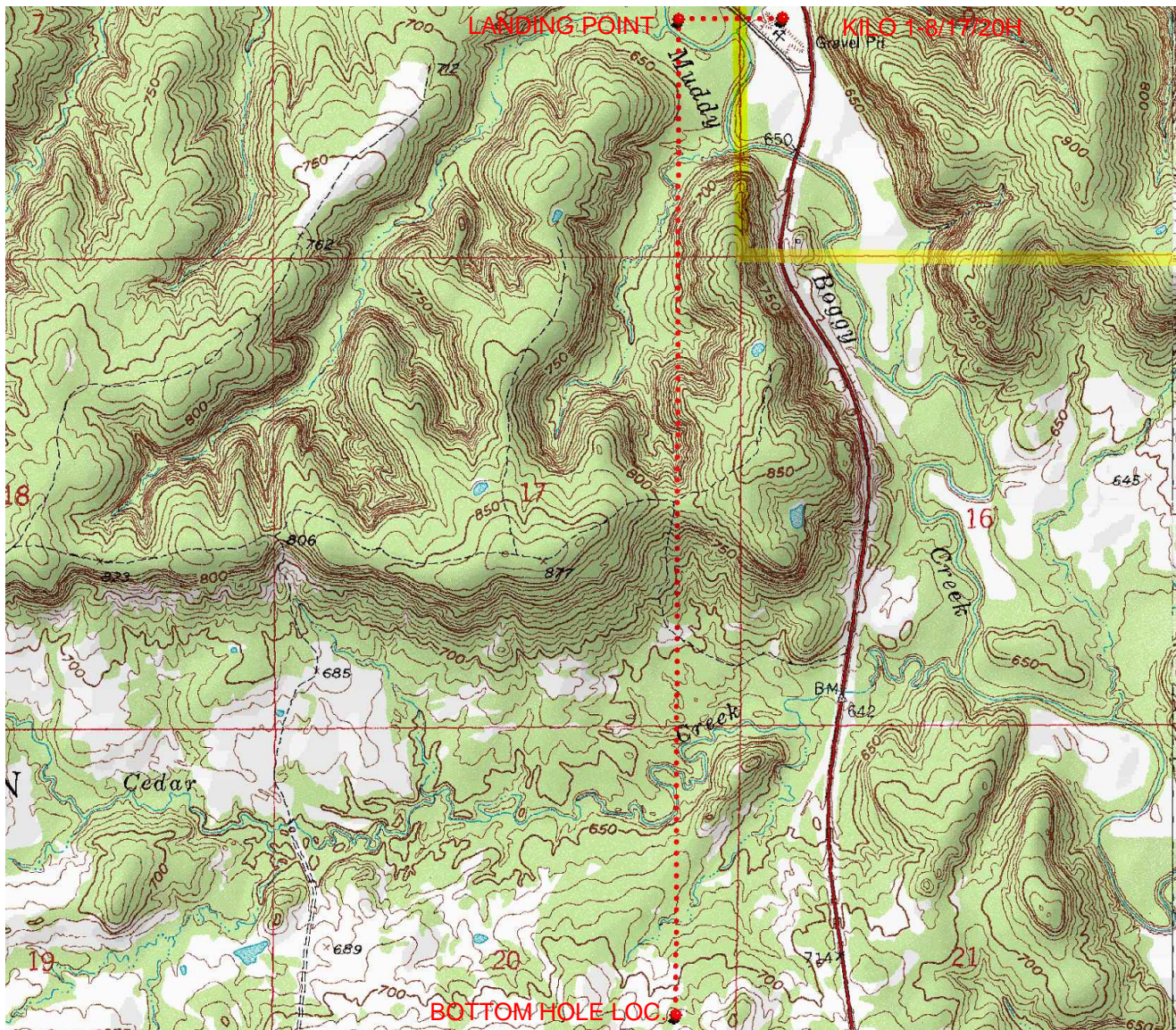
# Topographic Vicinity Map

Operator: CANYON CREEK ENERGY  
Lease Name and No.: KILO 1-8/17/20H  
Surface Hole Location: 2533' FNL - 579' FWL  
Sec. 9 Twp. 3N Rng. 10E I.M.  
Landing Point: 2533' FNL - 600' FEL  
Sec. 8 Twp. 3N Rng. 10E I.M.  
Bottom Hole Location: 2000' FSL - 600' FEL  
Sec. 20 Twp. 3N Rng. 10E I.M.  
County: Coal State of Oklahoma



Scale 1" = 2000'  
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 642'



Provided by:  
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Certificate of Authorization No. 5348  
Expires June 30, 2018

Date Staked: 11/20/17

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully 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.



# County Highway Vicinity Map



Job #: 7493-B

Operator: CANYON CREEK ENERGY

Lease Name and No.: KILO 1-8/17/20H

Accessibility: From the South.

Directions: From the junction of State HWY 3 & US HWY 75 Northwest of the town of Coalgate, OK go 10.6 miles North on US HWY 75, then go 1.4 miles North and West on an existing lease road to the Northwest Quarter of Section 17-3N-10E on the West side of the road.



1 inch = 1.5 mile

provided by,  
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