

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

API NUMBER: 029 21380 A

Approval Date: 09/05/2018

Expiration Date: 03/05/2019

Horizontal Hole Oil & Gas

Amend reason: AMENDING TYPE OF DRILLING OPERATION TO A  
HZ HOLE, CHANGING WELL NUMBER, AND ADDING BHL  
INFORMATION.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 2N Rge: 9E County: COAL

SPOT LOCATION:  NE  SE  SE  NE FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 2264 248

Lease Name: BILLS

Well No: 1-30/31H

Well will be 248 feet from nearest unit or lease boundary.

Operator CANYON CREEK ENERGY OPERATING LLC  
Name:

Telephone: 9185616737

OTC/OCC Number: 23443 0

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

JOSHUA BILLS & SARAH BILLS  
16537 CR 3720  
CENTRAHOMA OK 74534

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5500	6	
2	WOODFORD	5800	7	
3	HUNTON	6000	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807225  
201807227  
201807228  
201807226

Special Orders:

Total Depth: 13431 Ground Elevation: 664

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 330

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 31 Twp 2N Rge 9E County COAL

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 4766

Radius of Turn: 477

Direction: 185

Total Length: 7916

Measured Total Depth: 13431

True Vertical Depth: 6000

End Point Location from Lease,

Unit, or Property Line: 0

Notes:

Category

Description

DEEP SURFACE CASING

9/5/2018 - 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

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 21380 BILLS 1-30/31H

Category	Description
HYDRAULIC FRACTURING	<p>9/17/2018 - 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://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.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>9/5/2018 - G71 - PITS 2 &amp; 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PENDING CD - 201807225	<p>9/25/2018 - G58 - (E.O.)(640)(HOR) 30-2N-9E  EST MSSP, WDFD, HNTN  COMPL. INT. (MSSP, HNTN) NLT 660' FB  COMPL. INT. (WDFD) NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL  (COEXIST SP. ORDER 170294 HNTN)  REC 9/17/2018 (JOHNSON)</p>
PENDING CD - 201807226	<p>9/25/2018 - G58 - (E.O.)(640)(HOR) 31-2N-9E  EXT 656659 WDFD, HNTN  EST MSSP  COMPL. INT. (MSSP, HNTN) NLT 660' FB  COMPL. INT. (WDFD) NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL  (COEXIST SP. ORDER 116843 HNTN)  REC 9/17/2018 (JOHNSON)</p>
PENDING CD - 201807227	<p>9/25/2018 - G58 - (E.O.) 30 &amp; 31-2N-9E  EST MULTIUNIT HORIZONTAL WELL  X201807225 MSSP, WDFD, HNTN  X201807226 MSSP, WDFD, HNTN  (MSSP, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)  50% 30-2N-9E  50% 31-2N-9E  NO OP. NAMED  REC 9/17/2018 (JOHNSON)</p>
PENDING CD - 201807228	<p>9/25/2018 - G58 - (E.O.) 30 &amp; 31-2N-9E  X201807225 MSSP, WDFD, HNTN  X201807226 MSSP, WDFD, HNTN  COMPL. INT. 30-2N-9E NCT 0' FSL, NCT 2500' FNL, NCT 330' FEL  COMPL. INT. 31-2N-9E NCT 0' FNL, NCT 165' FSL, NCT 330' FEL  NO OP. NAMED  REC 9/17/2018 (JOHNSON)</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. 30-2N-9E I.M.  
B.H.L. Sec. 31-2N-9E I.M.

Operator: CANYON CREEK ENERGY

Lease Name and No.: BILLS 1-30/31H

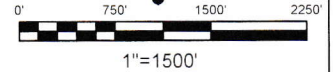
029-21380A

Footage: 2264' FNL - 248' FEL Gr. Elevation: 664'

Section: 30 Township: 2N Range: 9E I.M.

County: Coal State of Oklahoma

Terrain at Loc.: Driveway to be moved, runs through location. Location crosses power line to be moved.

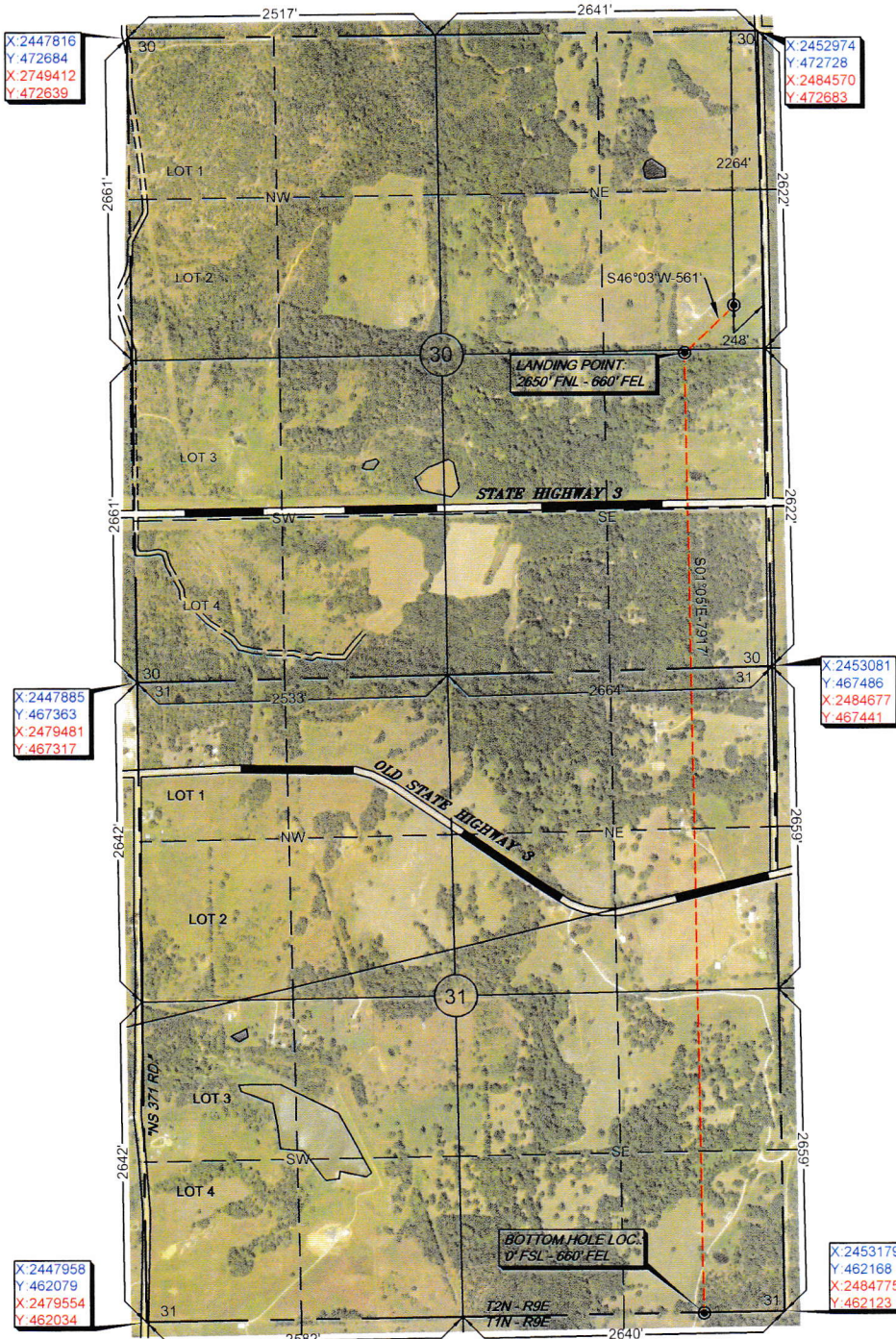


GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE



Surface Hole Loc.:  
Lat: 34°36'55.74"N  
Lon: 96°23'25.42"W  
Lat: 34.61548250  
Lon: -96.39039374  
X: 2452772  
Y: 470462

Surface Hole Loc.:  
Lat: 34°36'55.41"N  
Lon: 96°23'24.41"W  
Lat: 34.61539096  
Lon: -96.39011365  
X: 2484368  
Y: 470417

Landing Point:  
Lat: 34°36'51.95"N  
Lon: 96°23'30.32"W  
Lat: 34.61443063  
Lon: -96.39175694  
X: 2452368  
Y: 470073

Landing Point:  
Lat: 34°36'51.62"N  
Lon: 96°23'29.32"W  
Lat: 34.61433909  
Lon: -96.39147686  
X: 2483964  
Y: 470028

Bottom Hole Loc.:  
Lat: 34°35'33.63"N  
Lon: 96°23'30.03"W  
Lat: 34.59267607  
Lon: -96.39167370  
X: 2452519  
Y: 462157

Bottom Hole Loc.:  
Lat: 34°35'33.30"N  
Lon: 96°23'29.02"W  
Lat: 34.59258444  
Lon: -96.39139400  
X: 2484115  
Y: 462112

-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

Invoice #7032-B

Date Staked: 03/30/17 By: H.S.

Date Drawn: 04/03/17 By: P.B.

Revise LP & BHL: 09/04/18 By: M.K.

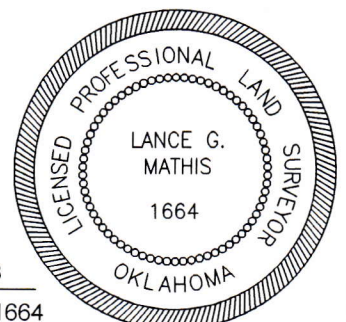
Certification:

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

09/04/18

OK LPLS 1664







# Well Location Plat

S.H.L. Sec. 30-2N-9E I.M.  
B.H.L. Sec. 31-2N-9E I.M.

Operator: CANYON CREEK ENERGY

Lease Name and No.: BILLS 1-30/31H

Footage: 2264' FNL - 248' FEL Gr. Elevation: 664'

Section: 30 Township: 2N Range: 9E I.M.

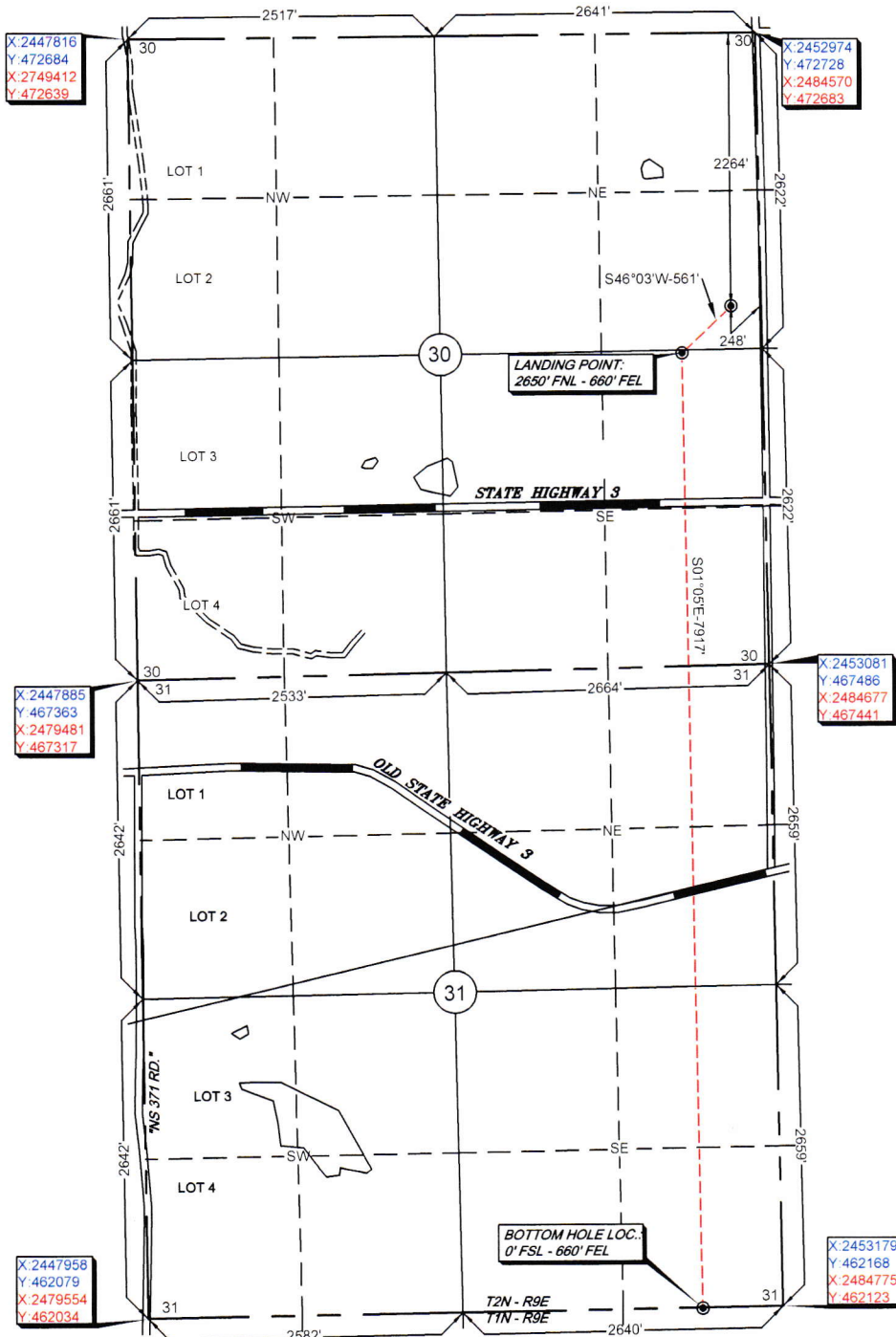
County: Coal State of Oklahoma

Terrain at Loc.: Driveway to be moved, runs through location. Location crosses power line to be moved.



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

GPS DATUM  
NAD 83  
NAD 27  
OK SOUTH ZONE



Surface Hole Loc.:  
Lat: 34°36'55.74"N  
Lon: 96°23'25.42"W  
Lat: 34.61548250  
Lon: -96.39039374  
X: 2452772  
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Lon: -96.39139400  
X: 2484115  
Y: 462112

-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  
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Date Staked: 03/30/17 By: H.S.  
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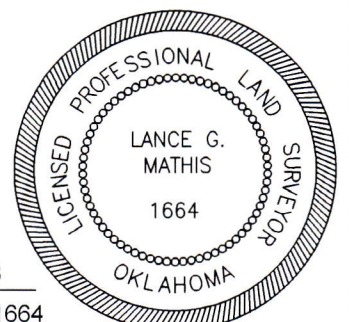
## Certification:

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

09/04/18

OK LPLS 1664





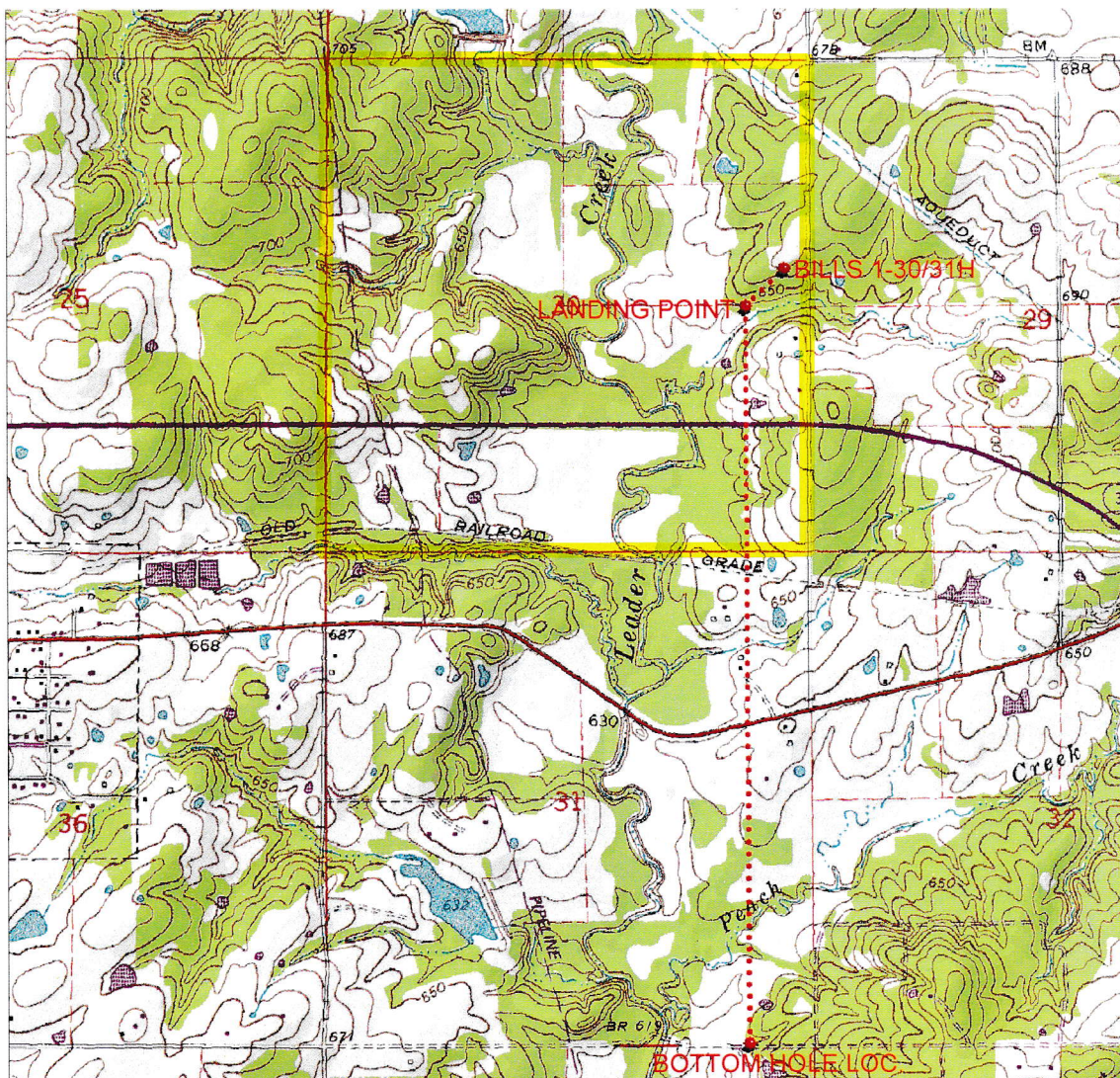


# Topographic Vicinity Map



Operator: CANYON CREEK ENERGY  
Lease Name and No.: BILLS 1-30/31H  
Surface Hole Location: 2264' FNL - 248' FEL  
Landing Point: 2650' FNL - 660' FWL  
Sec. 30 Twp. 2N Rng. 9E I.M.  
Bottom Hole Location: 0' FSL - 660' FWL  
Sec. 31 Twp. 2N Rng. 9E I.M.  
County: Coal State of Oklahoma  
Ground Elevation at Surface Hole Location: 664'

Scale 1"= 2000'  
Contour Interval: 10'



Issued 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

Date Staked: 03/30/17

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.





# Anti-Collision

Sec. 30-2N-9E I.M.

Operator: CANYON CREEK ENERGY

Lease Name and No.: BILLS 1-30/31H

Surface Hole Location: 2264' FNL - 248' FEL

Landing Point: 2650' FNL - 660' FWL

Sec. 30 Twp. 2N Rng. 9E I.M.

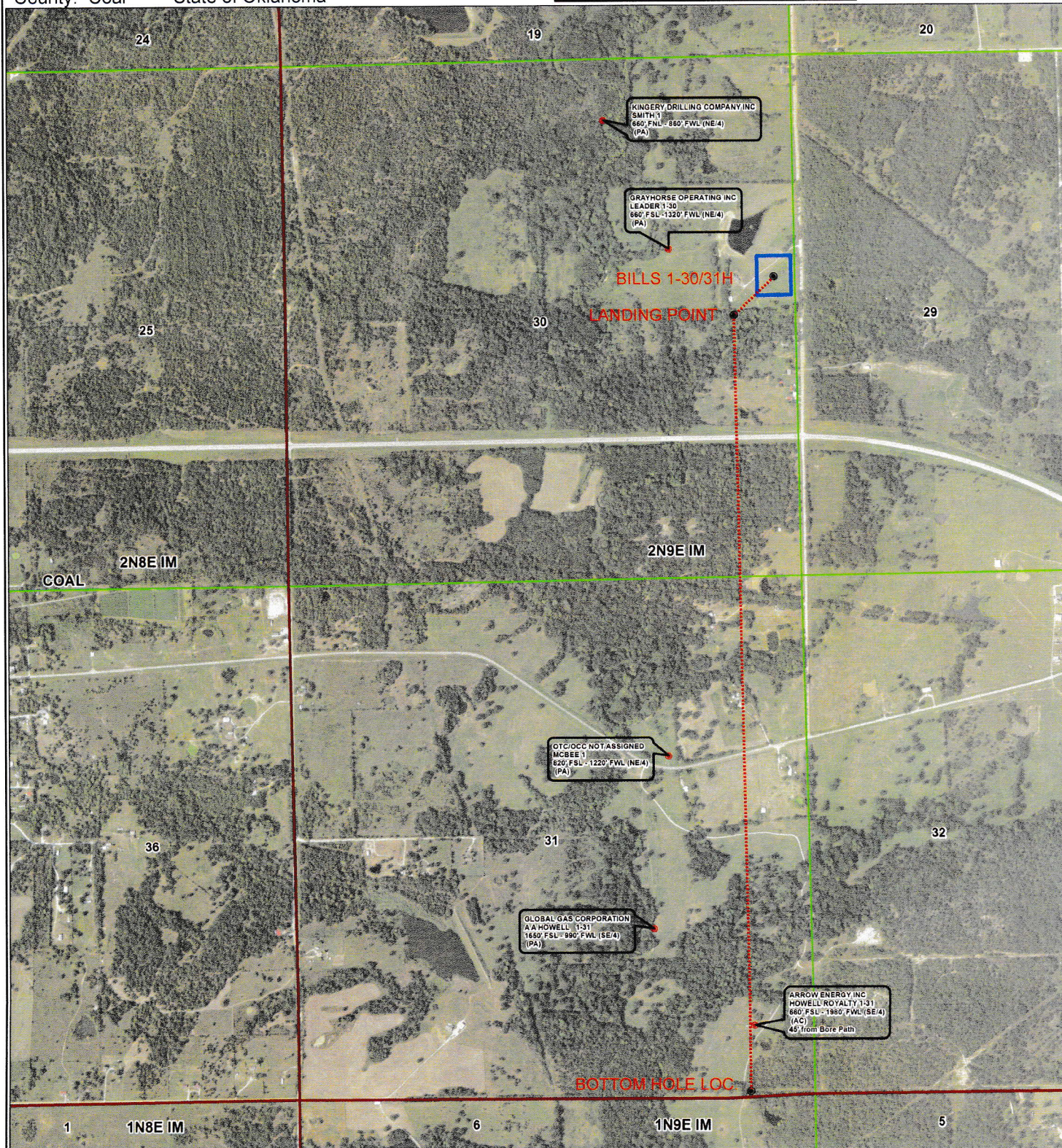
Bottom Hole Location: 0' FSL - 660' FWL

Sec. 31 Twp. 2N Rng. 9E I.M.

County: Coal State of Oklahoma



0 750 1,500 Feet





# County Highway Vicinity Map



Job#: 7932-B

Operator: CANYON CREEK ENERGY

Lease Name and No.: BILLS 1-31/30H

**Accessibility:** From the South.

**Directions:** From the junction of State HWY 48 & State HWY 3 in the town of Tupelo, OK, go 2.0 miles East on State HWY 3, then go 0.3 miles North on "Lone Oak Rd" to the Northeast Quarter of Section 30-2N-9E on the West side of the road.

1 inch = 0.5 mile  
provided 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

