

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

API NUMBER: 063 24787 A

Approval Date: 04/20/2018
Expiration Date: 10/20/2018

Horizontal Hole Oil & Gas

Amend reason: AMENDING TO HZ HOLE AND AMENDING WELL
NUMBER.

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 6N Rge: 11E County: HUGHES
SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 234 425

Lease Name: BONELL Well No: 1-28/33H Well will be 234 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

D & D HUGHES, LLC
2601 PIONEER LANE
MOORE OK 73160

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: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803452
201803453
201803455
201803457

Special Orders:

Total Depth: 16957 Ground Elevation: 770 Surface Casing: 1000 Depth to base of Treatable Water-Bearing FM: 170

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 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 33 Twp 6N Rge 11E County HUGHES

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5750

Radius of Turn: 573

Direction: 185

Total Length: 10324

Measured Total Depth: 16975

True Vertical Depth: 6150

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

4/20/2018 - 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

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

063 24787 BONELL 1-28/33H

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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.

Category	Description
HYDRAULIC FRACTURING	<p>5/8/2018 - 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: OCCWEB.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>4/20/2018 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PENDING CD - 201803452	<p>5/9/2018 - G58 - (640)(HOR) 28-6N-11E EST MSSP, WDFD, OTHER COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER 490362 WDFD) REC 5/4/2018 (DUNN)</p>
PENDING CD - 201803453	<p>5/9/2018 - G58 - (640)(HOR) 33-6N-11E EST MSSP, WDFD, OTHER COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER 490362 WDFD) REC 5/4/2018 (DUNN)</p>
PENDING CD - 201803457	<p>5/9/2018 - G58 - (I.O.) 28 & 33-6N-11E EST MULTIUNIT HORIZONTAL WELL X201803452 MSSP, WDFD (28-6N-11E) X201803453 MSSP, WDFD (33-6N-11E) (MSSP IS ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 28-6N-11E 50% 33-6N-11E NO OP. NAMED REC 5/4/2018 (DUNN)</p>

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

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Well Location Plat

S.H.L. Sec. 22-6N-11E I.M.
B.H.L. Sec. 33-6N-11E I.M.

Operator: CANYON CREEK ENERGY
Lease Name and No.: BONELL 1-28/33H
Footage: 234' FSL - 425' FWL Gr. Elevation: 770'
Section: 22 Township: 6N Range: 11E I.M.
County: Hughes State of Oklahoma
Terrain at Loc.: Location fell in a pasture.

063-24787a



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°58'17.01"N
Lon: 96°08'25.34"W
X: 2525600
Y: 601264

Surface Hole Loc.:
Lat: 34°58'16.68"N
Lon: 96°08'24.33"W
X: 2557197
Y: 601216

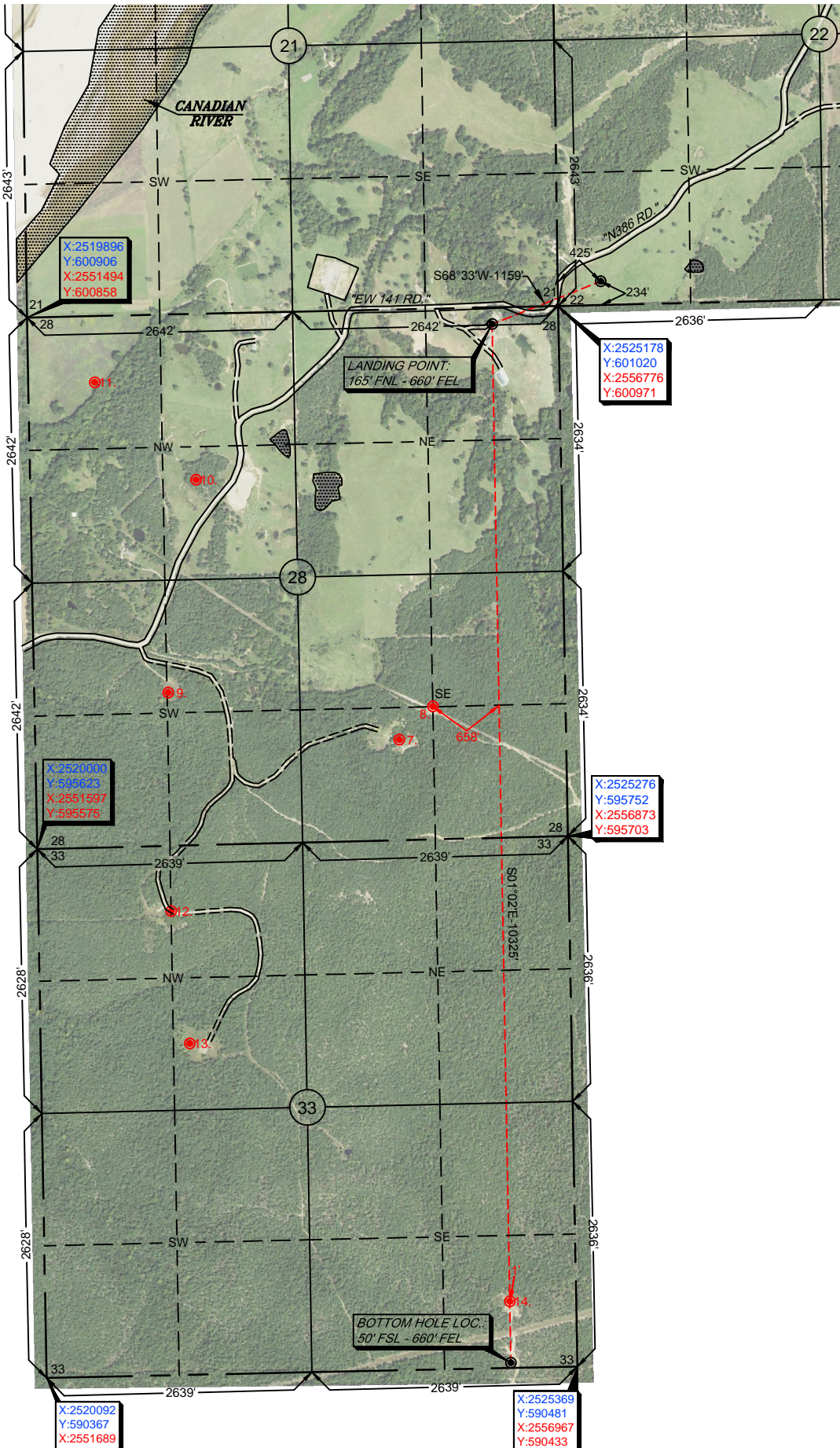
Landing Point:
Lat: 34°58'13.02"N
Lon: 96°08'38.39"W
X: 2524521
Y: 600841

Landing Point:
Lat: 34°58'12.69"N
Lon: 96°08'37.38"W
X: 2556119
Y: 600792

Bottom Hole Loc.:
Lat: 34°56'30.89"N
Lon: 96°08'38.43"W
X: 2524708
Y: 590517

Bottom Hole Loc.:
Lat: 34°56'30.56"N
Lon: 96°08'37.42"W
X: 2556306
Y: 590469

-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 #7656-B
Date Staked: 03/01/18 By: D.A.
Date Drawn: 03/06/18 By: K.B.
Revise Lease Name: 04/03/18 By: R.M.
Revise Lease Name: 04/12/18 By: R.S.

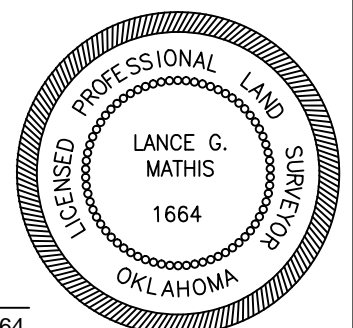
Certification:

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





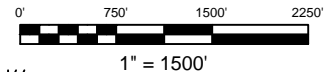
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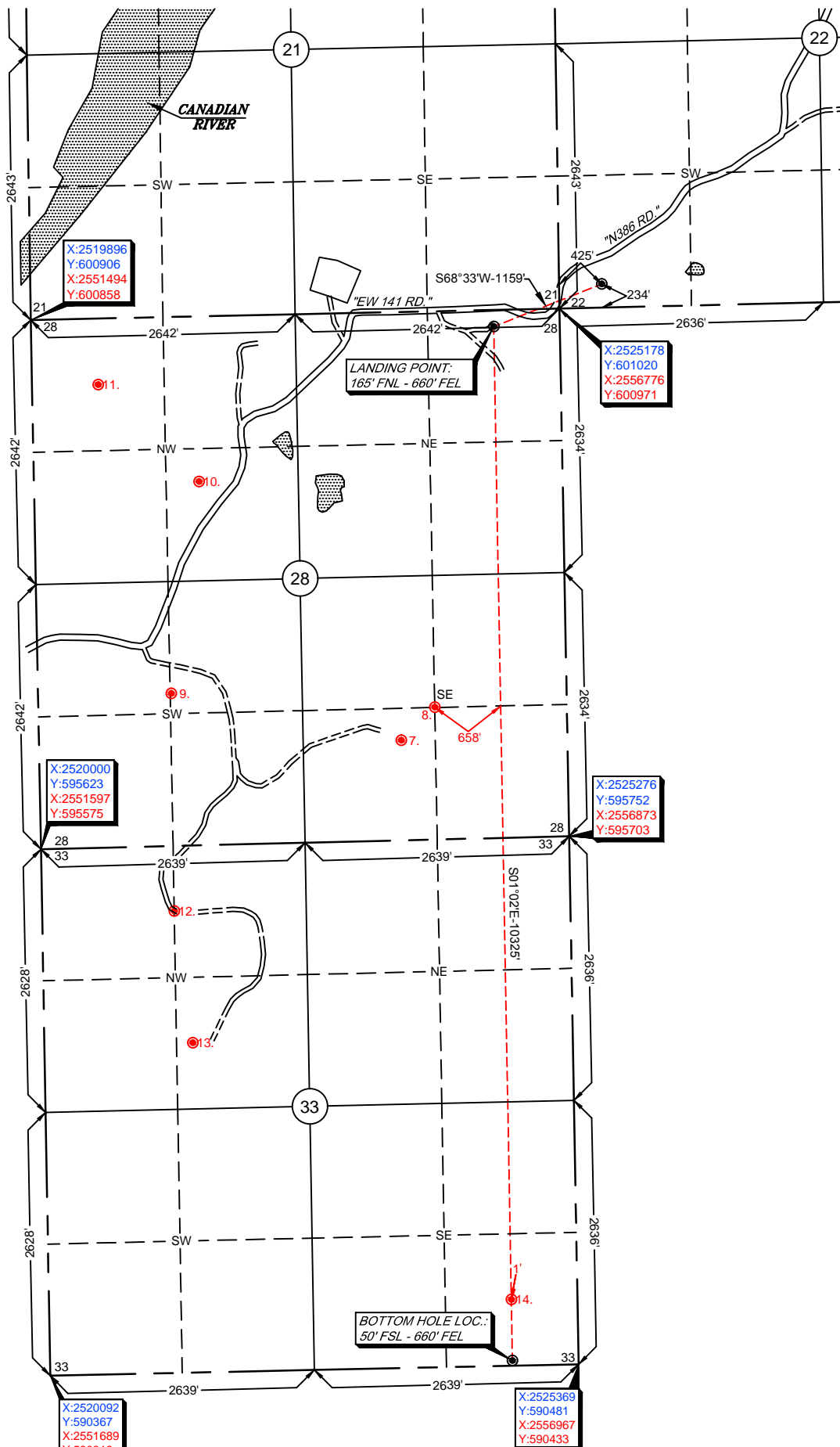
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Bottom Hole Loc.:
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X: 2556306
Y: 590469

Please note that this location was staked on the ground under the supervision of the surveyor. The surveyor, however, did not believe this survey is not represented. Please contact Arkady St. Laurent and Mark Johnson if any inconsistency is determined. GPS data is obtained from RTK - GPS. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on ground, therefore, for Section Corners 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 thereon, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.




Survey and planning
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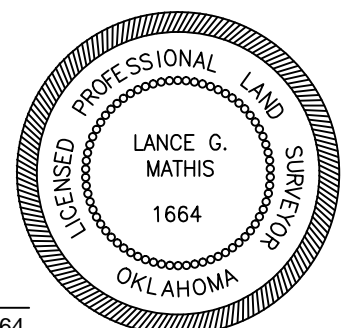
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04/12/18

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Anti-Collision Info

S.H.L. Sec. 22-6N-11E I.M.
B.H.L. Sec. 33-6N-11E I.M.

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Landing Point: 165' FNL - 660' FEL
Section: 28 Township: 6N Range: 11E I.M.
Bottom Hole Location: 50' FSL - 660' FEL
Section: 33 Township: 6N Range: 11E I.M.
County: Hughes State of Oklahoma

SECTION 22-6N-11E

1. AMERICAN ENERGY CORP. FARRELL 1 990' FSL - 2260' FWL (NW/4) OCC STATUS: AC	2. FAIN-PORTER PRODUCTION FARRELL 1 990' FSL - 2310' FWL (NW/4) OCC STATUS: AC	3. XTO ENERGY INC. KENDRICK 1-22H 1246' FNL - 735' FEL (NE/4) OCC STATUS: AC
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SECTION 21-6N-11E

4. XTO ENERGY INC. D&D PROPERTIES LLC 1-21H 950' FNL - 1320' FEL (NE/4) OCC STATUS: AC	5. OTC/OCC NA WARREN "B" 1 2310' FSL - 1650' FWL (NW/4) OCC STATUS: PA
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SECTION 28-6N-11E

7. SLICK OIL & GAS CO. SMITH ANNA 1-28 1000' FSL - 978' FWL (SE/4) OCC STATUS: PA	8. SOUTHERN RESOURCES INC. VERNON SMITH 2-28 1320' FSL - 1320' FWL (SE/4) OCC STATUS: AC	9. SOUTHERN RESOURCES INC. VERNON SMITH 1-28A 1523' FSL - 1330' FWL (SW/4) OCC STATUS: AC
10. STOVER COMPANY McDONALD 1 990' FSL - 1650' FWL (NW/4) OCC STATUS: PA	11. OTC/OCC NA FLEET & HALL 1 NW/4-NW/4 OCC STATUS: AC	

SECTION 33-6N-11E

12. SOUTHERN RESOURCES INC. RICHARDSON 1 1980' FSL - 1320' FWL (NW/4) OCC STATUS: AC	13. SOUTHERN RESOURCES INC. RICHARDSON 2-33 660' FSL - 1480' FWL (NW/4) OCC STATUS: AC	14. NEWFIELD EXPL. MID-CON INC. HIGHFILL 1-33 660' FSL - 1980' FWL (SE/4) OCC STATUS: AC
---	---	---

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

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

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Revise Lease Name: 04/03/18 By: R.M.

PLEASE NOTE

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

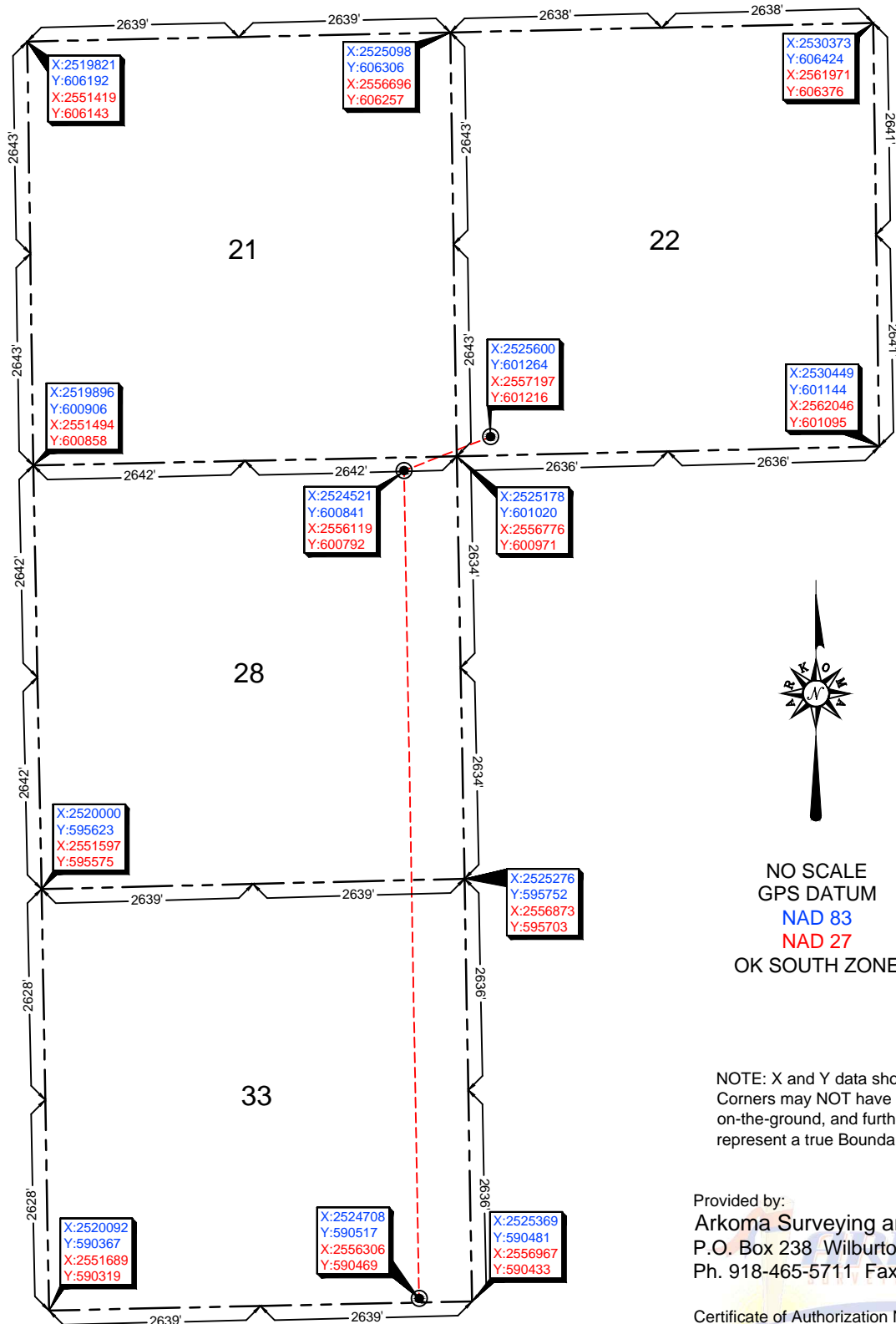


**CANYON
CREEK
ENERGY**

X & Y Data Sheet

S.H.L. 22-6N-11E I.M.
B.H.L. 33-6N-11E I.M

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Section: 28 Township: 6N Range: 11E I.M.
Bottom Hole Location: 50' FSL - 660' FEL
Section: 33 Township: 6N Range: 11E I.M.
County: Hughes State of Oklahoma





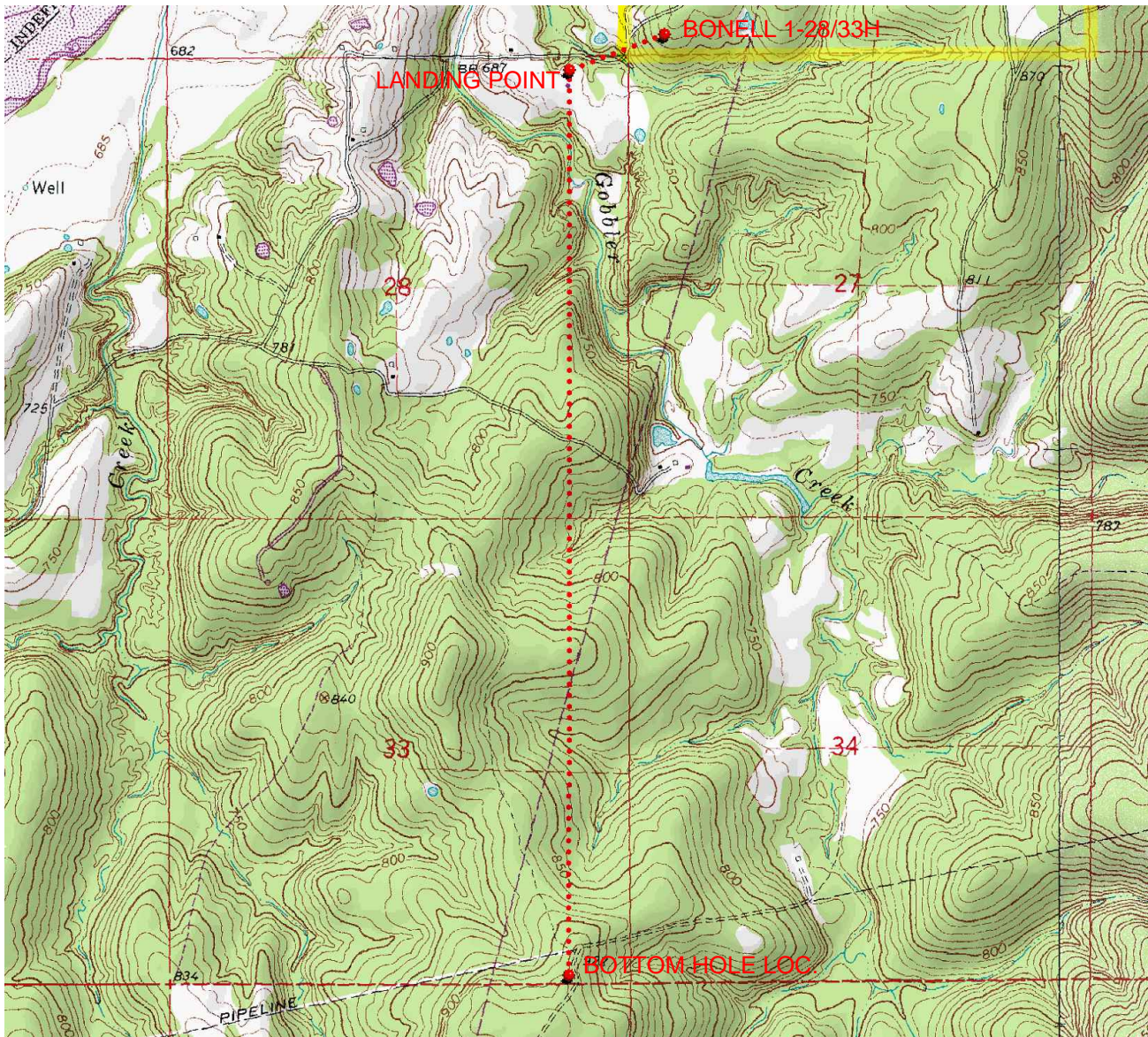
Topographic Vicinity Map

Operator: CANYON CREEK ENERGY
Lease Name and No.: BONELL 1-28/33H
Surface Hole Location: 234' FSL - 425' FWL
Sec. 22 Twp. 6N Rng. 11E I.M.
Landing Point: 165' FNL - 660' FEL
Sec. 28 Twp. 6N Rng. 11E I.M.
Bottom Hole Location: 50' FSL - 660' FEL
Sec. 33 Twp. 6N Rng. 11E I.M.
County: Hughes State of Oklahoma



Scale 1" = 2000'
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 770'



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Expires June 30, 2018

Date Staked: 03/01/18

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 #: 7656-B

Operator: CANYON CREEK ENERGY

Lease Name and No.: BONELL 1-28/33H

Accessibility: From the South.

Directions: From the junction of US HWY 75 & US HWY 270 in the town of Calvin, OK, go 4.2 miles East on US HWY 270, 2.2 miles North on "D 3838 RD.", 0.5 miles East on "EW 1416 RD.", 0.8 miles North & East on "D 3838 RD.", continue East on "D 3838 RD." to "EW 141 RD." for 0.4 miles, then go 0.1 miles North on "EW 141 RD." to "N 3860 RD." to the Southwest Quarter of Section 22-6N-11E on the South side of the road.

1 inch = 1 mile

provided by:
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