

API NUMBER: 029 21401 A

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

Approval Date: 02/10/2021
Expiration Date: 08/10/2022

Multi Unit Oil & Gas

Amend reason: CHANGE FROM STRAT TEST TO OIL & GAS,
UPDATE FORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 23 Township: 2N Range: 9E County: COAL

SPOT LOCATION: NE SW NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 733 1877

Lease Name: HB Well No: 2-14/11H Well will be 733 feet from nearest unit or lease boundary.
Operator Name: CANYON CREEK ENERGY ARKOMA LLC Telephone: 9187794949 OTC/OCC Number: 24379 0

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

DPC LAND LLC
ROUTE 4, BOX 1420
COALGATE OK 74538

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	6640
2	WOODFORD	319WDFD	6860
3	HUNTON	269HNTN	7025

Spacing Orders: 691780 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders
537141
542037
661468

Pending CD Numbers: 202100268 Working interest owners' notified: *** Special Orders: No Special Orders
202100269
202100272
202100273
202100274
202100275

Total Depth: 19965 Ground Elevation: 770 Surface Casing: 500 Depth to base of Treatable Water-Bearing FM: 300

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

Approved Method for disposal of Drilling Fluids:	
F. Haul to Commercial soil farming facility	Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Order No: 653875
H. (Other)	CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST,OBM RETURNED TO VENDOR,CUTTINGS PERMITTED PER DISTRICT

PIT 1 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: BOGGY

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.

MULTI UNIT HOLE 1

Section: 2	Township: 2N	Range: 9E	Meridian: IM	Total Length: 12560
	County: COAL			Measured Total Depth: 19965
Spot Location of End Point: C	NE	SW	SE	True Vertical Depth: 7500
Feet From: SOUTH		1/4 Section Line: 990		End Point Location from
Feet From: EAST		1/4 Section Line: 1650		Lease, Unit, or Property Line: 990

NOTES:

Category	Description
HYDRAULIC FRACTURING	<p>[3/10/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
PENDING CD - 202100268	<p>[3/10/2021 - GC2] - (E.O.) 2, 11, 14, & 23-2N-9E ESTABLISH MULTIUNIT HORIZONTAL WELL X691780 MSSP, WDFD, HNTN 2-2N-9E X537141 MSSP, WDFD, HNTN 11-2N-9E X542037 MSSP, WDFD, HNTN 14-2N-9E X661468 MSSP, WDFD, HNTN 23-2N-9E (MSSP AND HNTN IS ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 5% 2-2N-9E 43% 11-2N-9E 43% 14-2N-9E 9% 23-2N-9E NO OP. NAMED REC. 3-5-2021 (MOORE)</p>
PENDING CD - 202100269	<p>[3/10/2021 - GC2] - (E.O.) 2, 11, 14, & 23-2N-9E X691780 MSSP, WDFD, HNTN 2-2N-9E X537141 MSSP, WDFD, HNTN 11-2N-9E X542037 MSSP, WDFD, HNTN 14-2N-9E X661468 MSSP, WDFD, HNTN 23-2N-9E COMPL. INT. (23-2N-9E) NFT 1,300' FNL, NCT 0' FNL, NCT 1,500' FEL COMPL. INT. (14-2N-9E) NCT 0' FSL, NCT 0' FNL, NCT 1,500' FEL COMPL. INT. (11-2N-9E) NCT 0' FNL, NCT 0' FSL, NCT 1,500' FEL COMPL. INT. (2-2N-9E) NFT 1,200' FSL, NCT 0' FSL, NCT 1,300' FEL NO OP. NAMED REC. 3-5-2021 (MOORE)</p>
PENDING CD - 202100272	<p>[3/10/2021 - GC2] - (I.O.) 2-2N-9E X691780 WDFD 1 WELL NO OP. NAMED HEARING 3-22-2021</p>
PENDING CD - 202100273	<p>[3/10/2021 - GC2] - (I.O.) 23-2N-9E X661468 WDFD 1 WELL NO OP. NAMED HEARING 3-22-2021</p>
PENDING CD - 202100274	<p>[3/10/2021 - GC2] - (I.O.) 11-2N-9E X537141 WDFD 2 WELLS NO OP. NAMED HEARING 3-22-2021</p>

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.

PENDING CD - 202100275	[3/10/2021 - GC2] - (I.O.) 14-2N-9E X542037 WDFD 2 WELLS NO OP. NAMED HEARING 3-22-2021
SPACING - 537141	[3/10/2021 - GC2] - (640) 11-2N-9E EXT 534480 MSSP, WDFD, HNTN, OTHERS
SPACING - 542037	[3/10/2021 - GC2] - (640) 14-2N-9E EXT MSSP, WDFD, HNTN, OTHERS
SPACING - 661468	[3/10/2021 - GC2] - (640)(HOR) 23-2N-9E EST MSSP, WDFD, HNTN COMPL. INT. (MSSP, HNTN) NLT 660' FB COMPL. INT. (HNTN) NLT 165' FNL/FSL, NLT 330' FEL/FWL
SPACING - 691780	[3/10/2021 - GC2] - (640)(HOR) 2-2N-9E EST MSSP, HNTN, WDFD COMPL. INT. (MSSP, HNTN) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST SP. ORDER #549611 CNRY, WDFD, HNTN)

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.



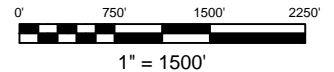
Well Location Plat

S.H.L. Sec. 23-2N-9E I.M.
B.H.L. Sec. 2-2N-9E I.M.

Operator: CANYON CREEK ENERGY
Lease Name and No.: HB 2-14/11H
Surface Hole Location: 733' FNL - 1877' FWL Gr. Elevation: 770'
NE/4-SW/4-NE/4-NW/4 Section: 23 Township: 2N Range: 9E I.M.
Bottom Hole Location: 990' FSL - 1650' FEL
NW/4-NE/4-SW/4-SE/4 Section: 2 Township: 2N Range: 9E I.M.
County: Coal State of Oklahoma
Terrain at Loc.: Location fell in mostly open pasture on small hillside, slopes towards the north.



All bearings shown
are grid bearings.



GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°38'03.06"N
Lon: 96°19'50.39"W
Lat: 34.63418276
Lon: -96.33066465
X: 2470628
Y: 477559

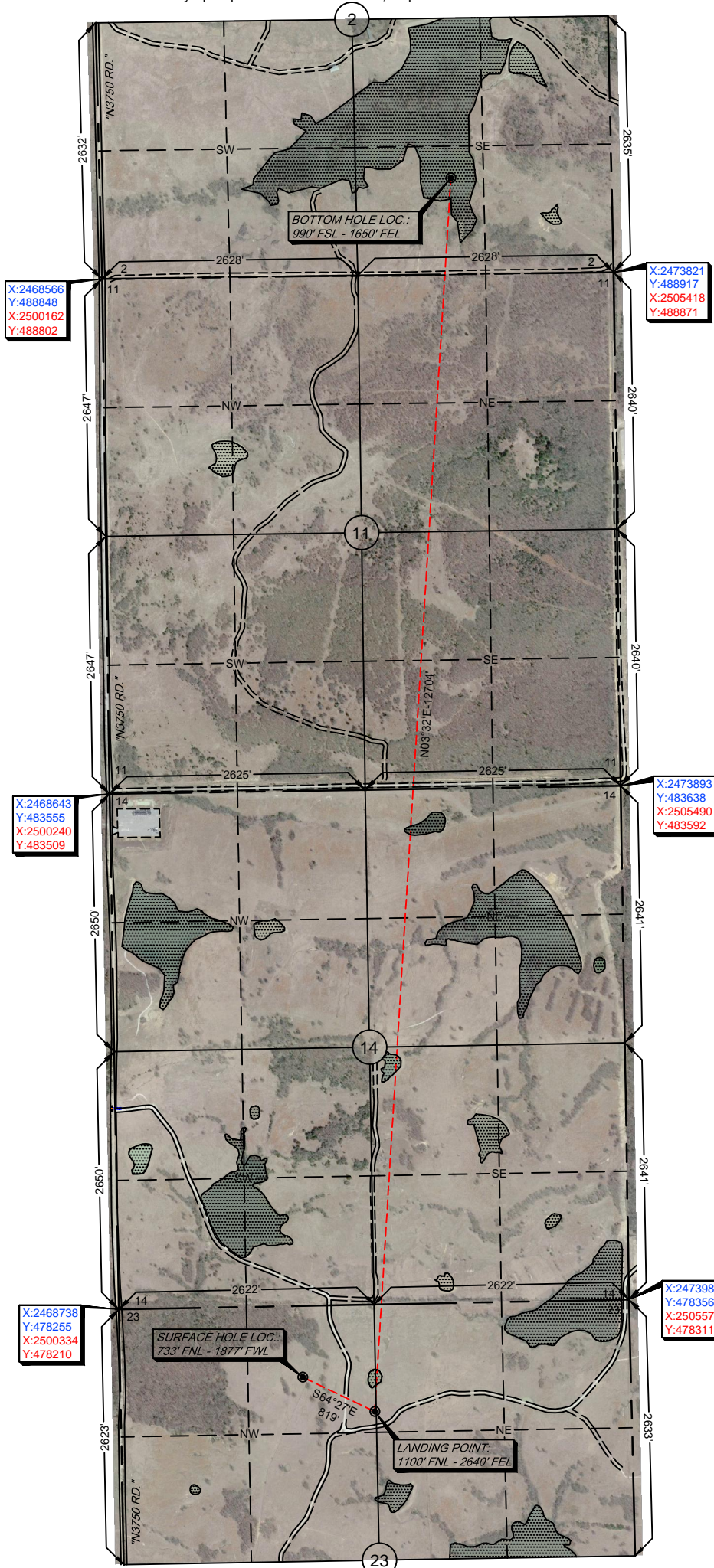
Surface Hole Loc.:
Lat: 34°38'02.73"N
Lon: 96°19'49.39"W
Lat: 34.63409082
Lon: -96.33038496
X: 2502224
Y: 477513

Landing Point:
Lat: 34°37'59.44"N
Lon: 96°19'41.62"W
Lat: 34.63317909
Lon: -96.32822844
X: 2471367
Y: 477206

Landing Point:
Lat: 34°37'59.11"N
Lon: 96°19'40.62"W
Lat: 34.63308713
Lon: -96.32794879
X: 2502963
Y: 477160

Bottom Hole Loc.:
Lat: 34°40'04.73"N
Lon: 96°19'29.74"W
Lat: 34.66797925
Lon: -96.32492882
X: 2472149
Y: 489885

Bottom Hole Loc.:
Lat: 34°40'04.39"N
Lon: 96°19'28.73"W
Lat: 34.66788730
Lon: -96.32464856
X: 2503745
Y: 489839



-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, 2022

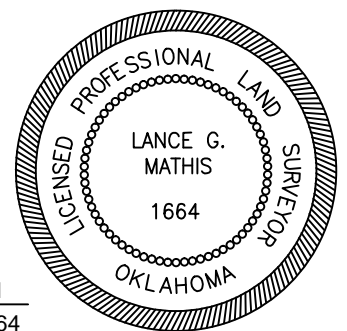
Certification:

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

02/23/2021

OK LPLS 1664



Invoice #8499-B-E
Date Staked: 12/31/2020 By: H.S.
Date Drawn: 02/08/2021 By: J.K.
Revised LP & BHL: 02/22/2021 By: S.S.



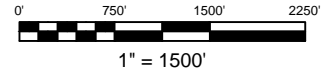
Well Location Plat

S.H.L. Sec. 23-2N-9E I.M.
B.H.L. Sec. 2-2N-9E I.M.

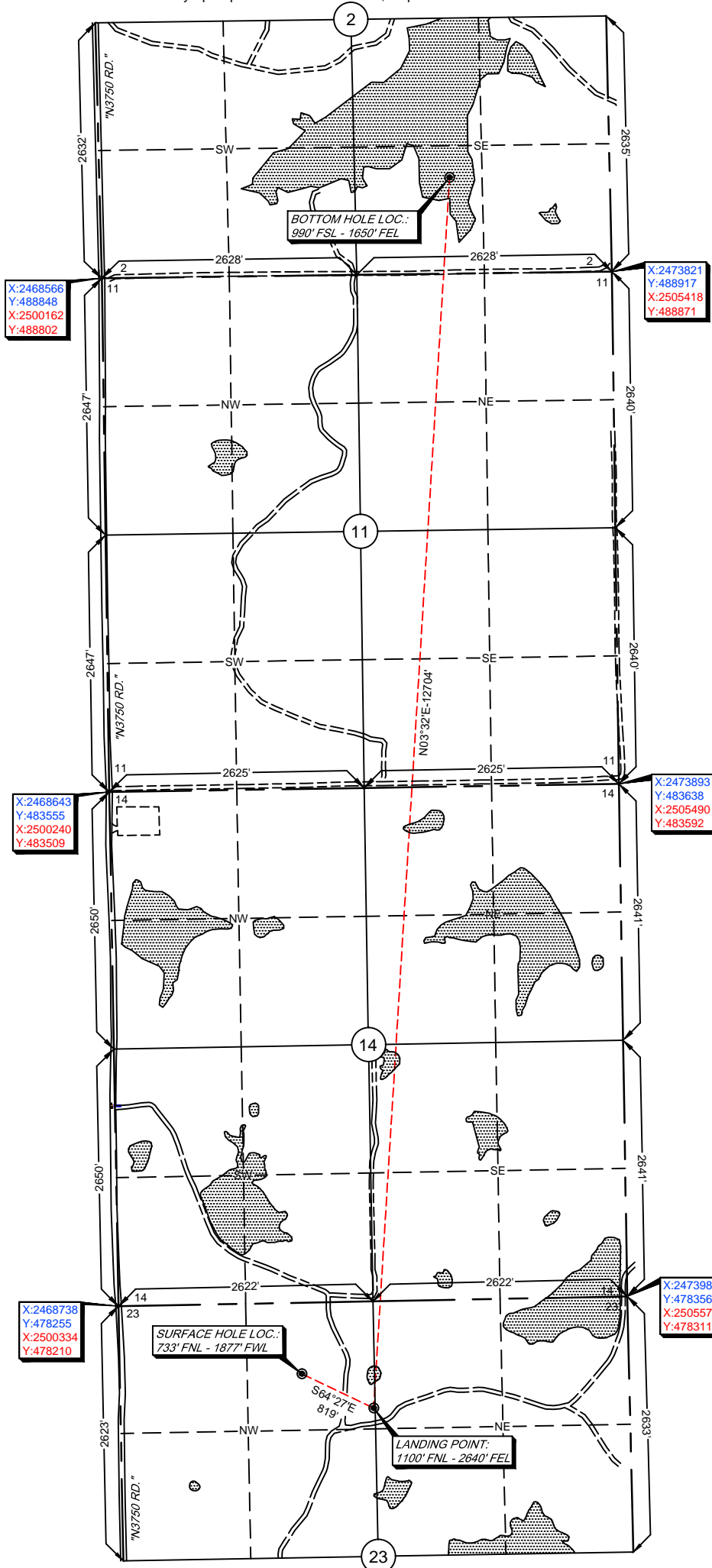
Operator: CANYON CREEK ENERGY
Lease Name and No.: HB 2-14/11H
Surface Hole Location: 733' FNL - 1877' FWL Gr. Elevation: 770'
NE/4-SW/4-NE/4-NW/4 Section: 23 Township: 2N Range: 9E I.M.
Bottom Hole Location: 990' FSL - 1650' FEL
NW/4-NE/4-SW/4-SE/4 Section: 2 Township: 2N Range: 9E I.M.
County: Coal State of Oklahoma
Terrain at Loc.: Location fell in mostly open pasture on small hillside, slopes towards the north.



All bearings shown
are grid bearings.



GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE



Surface Hole Loc.:
Lat: 34°38'03.06"N
Lon: 96°19'50.39"W
Lat: 34.63418276
Lon: -96.33066465
X: 2470628
Y: 477559

Surface Hole Loc.:
Lat: 34°38'02.73"N
Lon: 96°19'49.39"W
Lat: 34.63409082
Lon: -96.33038496
X: 2502224
Y: 477513

Landing Point:
Lat: 34°37'59.44"N
Lon: 96°19'41.62"W
Lat: 34.63317909
Lon: -96.32822844
X: 2471367
Y: 477206

Landing Point:
Lat: 34°37'59.11"N
Lon: 96°19'40.62"W
Lat: 34.63308713
Lon: -96.32794879
X: 2502963
Y: 477160

Bottom Hole Loc.:
Lat: 34°40'04.73"N
Lon: 96°19'29.74"W
Lat: 34.66797925
Lon: -96.32492882
X: 2472149
Y: 489885

Bottom Hole Loc.:
Lat: 34°40'04.39"N
Lon: 96°19'28.73"W
Lat: 34.66788730
Lon: -96.32464856
X: 2503745
Y: 489839

-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, 2022

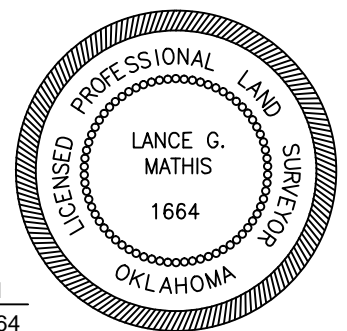
Certification:

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

02/23/2021

OK LPLS 1664



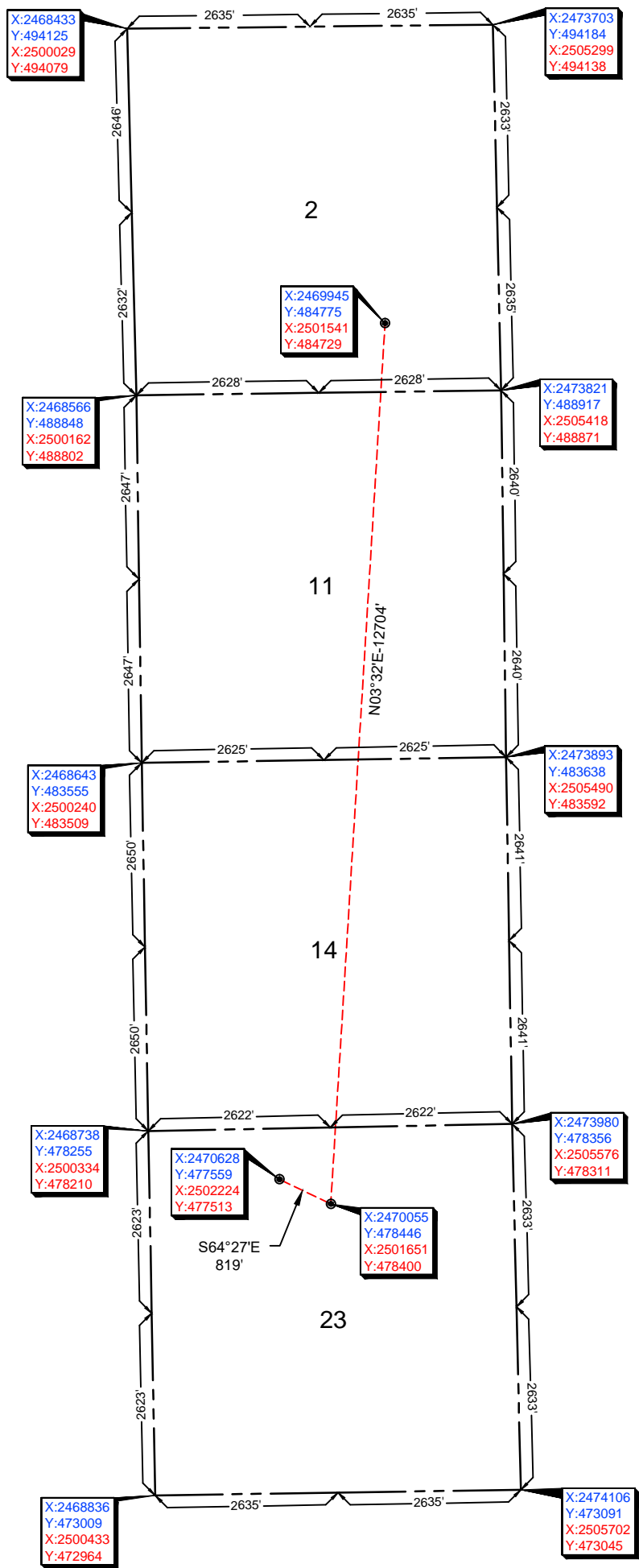
Invoice #8499-B-E
Date Staked: 12/31/2020 By: H.S.
Date Drawn: 02/08/2021 By: J.K.
Revised LP & BHL: 02/22/2021 By: S.S.



X & Y Data Sheet

S.H.L. Sec. 23-2N-9E I.M.
B.H.L. Sec. 2-2N-9E I.M.

Operator: CANYON CREEK ENERGY
Lease Name and No.: HB 2-14/11H
Surface Hole Location: 733' FNL - 1877' FWL Gr. Elevation: 770'
NE/4-SW/4-NE/4-NW/4 Section: 23 Township: 2N Range: 9E I.M.
Bottom Hole Location: 990' FSL - 1650' FEL
NW/4-NE/4-SW/4-SE/4 Section: 2 Township: 2N Range: 9E I.M.
County: Coal State of Oklahoma



NOTE
COORDINATES SHOWN
FOR THE NE COR. SEC.
2 ARE GLO BASED CALCS.
NO MONUMENT FOUND.



NO SCALE
GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE

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, 2022

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.



Anti-Collision

Sec. 23-2N-9E I.M.

Operator: CANYON CREEK ENERGY

Lease Name and No.: HB 2-14/11H

Surface Hole Location: 733' FNL - 1877' FWL

Landing Point: 1100' FNL - 2640' FEL

Sec. 23 Twp. 2N Rng. 9E I.M.

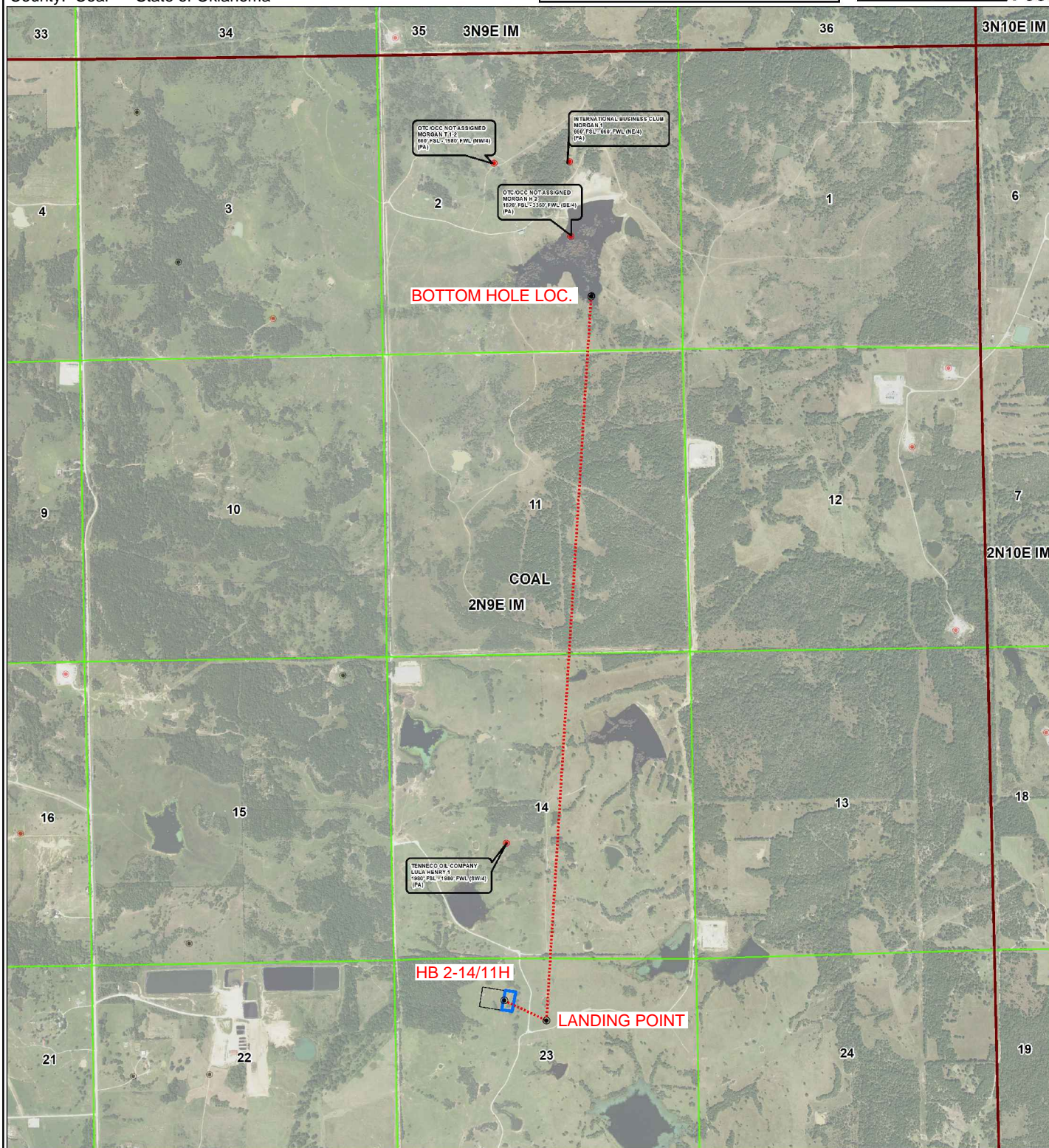
Bottom Hole Location: 990' FSL - 1650' FEL

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

County: Coal State of Oklahoma



0 1,300 2,600 Feet





Topographic Vicinity Map

Operator: CANYON CREEK ENERGY

Lease Name and No.: HB 2-14/11H

Surface Hole Location: 733' FNL - 1877' FWL

Landing Point: 1100' FNL - 2640' FEL

Sec. 23 Twp. 2N Rng. 9E I.M.

Bottom Hole Location: 990' FSL - 1650' FEL

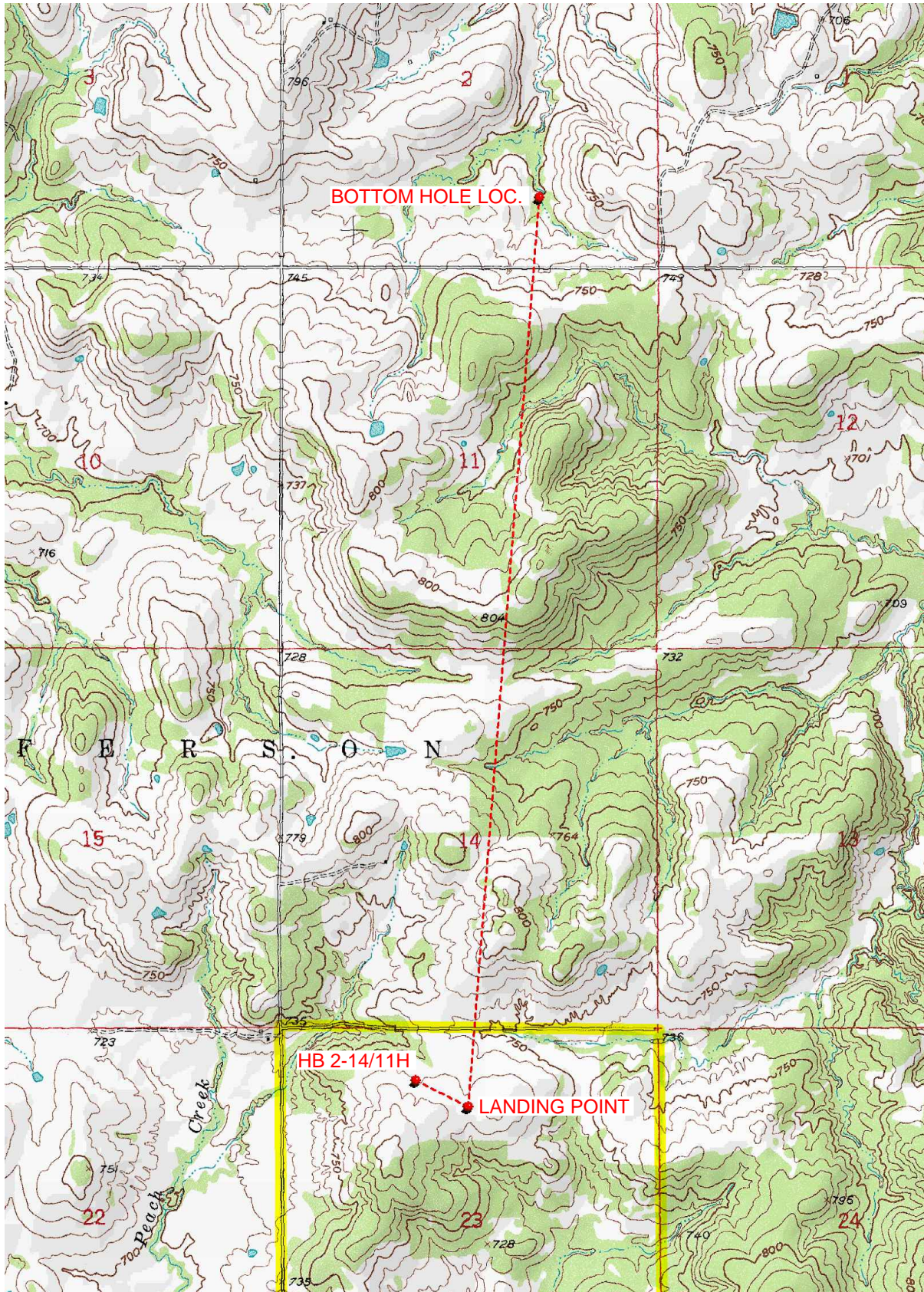
Sec. 2 Twp. 2N Rng. 9E I.M.

County: Coal State of Oklahoma

Ground Elevation at Surface Hole Location: 770'



Scale 1" = 2000'
Contour Interval: 10'



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, 2022

Date Staked: 12/31/2020

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 #: 8499-B-E

Operator: CANYON CREEK ENERGY

Lease Name and No.: HB 2-14/11H

Accessibility: From the South.

Directions: From the junction of "Broadway" & State HWY 3 in the town of Centrahoma, OK, go 0.9 miles North on "Broadway", 0.2 miles East on "1st St", 0.3 miles North & East on "Greg Ave", then go 1.3 miles North on "NS 375 RD." to the Northwest Quarter of Section 23-2N-9E on the East 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, 2020

