

API NUMBER: 063 24935

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

Approval Date: 08/12/2021
Expiration Date: 02/12/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 03 Township: 7N Range: 11E County: HUGHES

SPOT LOCATION: ☐ SE ☐ NE ☐ SW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 1657 1333

Lease Name: LORRAINE Well No: 2-34/27H Well will be 1333 feet from nearest unit or lease boundary.
Operator Name: TRINITY OPERATING USG LLC Telephone: 9185615600 OTC/OCC Number: 23879 0

TRINITY OPERATING USG LLC
1717 S BOULDER AVE STE 201
TULSA, OK 74119-4842

JOHN FREEMAN
8642 N LOCUST ST
LAMAR OK 74850

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	4250
2	WOODFORD	319WDFD	4550
3	SYLVAN	203SLVN	4630
4	HUNTON	269HNTN	4650

Spacing Orders: 718820
656812
698466

Location Exception Orders: 718821

Increased Density Orders: 718822
718823

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 15110 Ground Elevation: 849

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 440

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
B. Solidification of pit contents.

E. Haul to Commercial pit facility	Sec. 19 Twn. 8N Rng. 5E Cnty. 125 Order No: 274874
H. (Other)	MEMO

PIT 1 INFORMATION

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).

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

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.

PIT 3 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Category of Pit: C

Liner not required for Category: C

Type of Mud System: OIL BASED

Pit Location is: BED AQUIFER

Chlorides Max: 300000 Average: 200000

Pit Location Formation: SENORA

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.

MULTI UNIT HOLE 1

Section: 27 Township: 8N Range: 11E Meridian: IM

Total Length: 9776

County: HUGHES

Measured Total Depth: 15110

Spot Location of End Point: NE SW NE NE

True Vertical Depth: 11000

Feet From: NORTH 1/4 Section Line: 700

End Point Location from

Feet From: EAST 1/4 Section Line: 710

Lease, Unit, or Property Line: 700

NOTES:

Category	Description
DEEP SURFACE CASING	[7/15/2021 - GC2] - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	[7/15/2021 - GC2] - OCC 165:10-3-10 REQUIRES: 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; 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, 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
INCREASED DENSITY - 718822	[7/27/2021 - G56] - 27-8N-11E X656812 WDFD 1 WELL TRINITY OPERATING (USG), LLC 6/10/2021
INCREASED DENSITY - 718823	[7/27/2021 - G56] - 34-8N-11E X656812 WDFD 1 WELL TRINITY OPERATING (USG), LLC 6/10/2021
LOCATION EXCEPTION - 718821	[7/27/2021 - G56] - (I.O.) 27 & 34-8N-11E X698466 MSSP, HNTN X656812 WDFD, SLVN COMPL INT (27-8N-11E) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL INT (34-8N-11E) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL TRINITY OPERATING (USG), LLC 6/10/2021
MEMO	[7/15/2021 - GC2] - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDIFIED AND HELD UNTIL DISPOSAL APPROVED BY OCC; PIT 3 - OBM TO VENDOR
SPACING - 656812	[7/27/2021 - G56] - (640)(HOR) 27 & 34-8N-11E EST WDFD, SLVN, OTHER COMPL INT (CNEY, SLVN) NLT 330' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST WITH SP # 537278 WDFD)

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.

SPACING - 698466	[7/27/2021 - G56] - (640)(HOR) 27 & 34-8N-11E VAC OTHER EXT 642100 HNTN EXT 693706 MSSP POE TO BHL NLT 660' FB (COEXIST WITH SP # 537278 MYES, HNTN)
SPACING - 718820	[7/27/2021 - G56] - (I.O.) 27 & 34-8N-11E EST MULTIUNIT HORIZONTAL WELL X698466 MSSP, HNTN X656812 WDFD, SLVN (MSSP, SLVN, HNTN ARE ADJACENT CSS TO WDFD) 50% 27-8N-11E 50% 34-8N-11E NO OP NAMED 6/10/2021
UNDERGROUND STORAGE	[7/27/2021 - G56] - WELL IS WITHIN 1 MILE BUFFER ZONE OF GREASY CREEK SPRINGS GAS STORAGE UNIT, HAS MET REQUIREMENTS STATED BY OCC RULE 165:10-3-5(C)"

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. 3-7N-11E I.M.
B.H.L. Sec. 27-8N-11E I.M.

Operator: TRINITY OPERATING
Lease Name and No.: LORRAINE 2-34/27H
Footage: 1657' FNL - 1333' FEL Gr. Elevation: 849'
Section: 3 Township: 7N Range: 11E I.M.
County: Hughes State of Oklahoma
Terrain at Loc.: Location fell on an existing pad site.



All bearings shown
are grid bearings.
0' 750 1500 2250
1" = 1500'

GPS DATUM
NAD 27
OK SOUTH ZONE

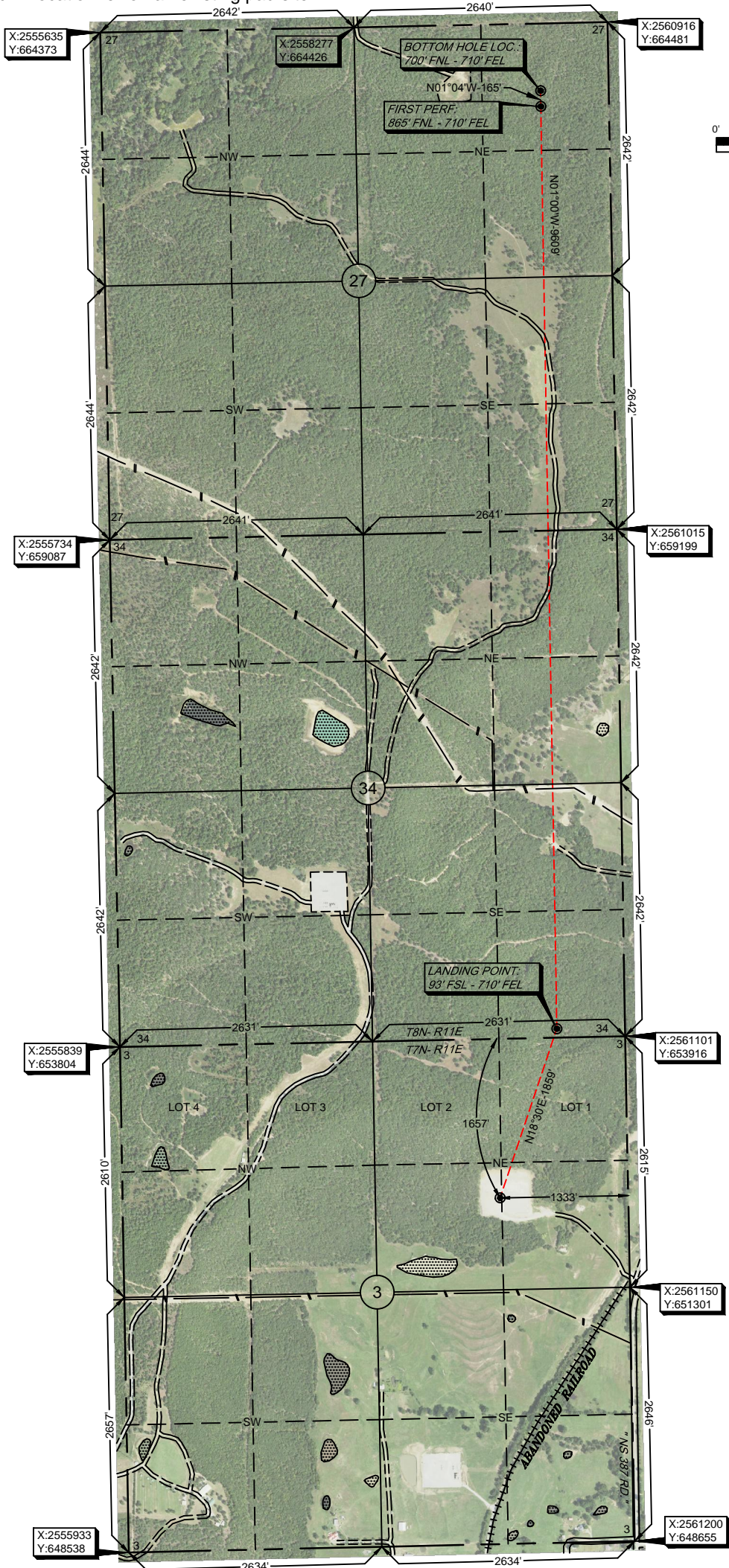
Surface Hole Loc.:
Lat: 35°06'40.72"N
Lon: 96°07'41.71"W
Lat: 35.11131042
Lon: -96.12825344
X: 2559799
Y: 652230

Landing Point:
Lat: 35°06'58.05"N
Lon: 96°07'34.22"W
Lat: 35.11612415
Lon: -96.12617093
X: 2560389
Y: 653993

First Perf:
Lat: 35°08'33.09"N
Lon: 96°07'34.08"W
Lat: 35.14252550
Lon: -96.12613264
X: 2560222
Y: 663601

Bottom Hole Loc.:
Lat: 35°08'34.72"N
Lon: 96°07'34.08"W
Lat: 35.14297883
Lon: -96.12613273
X: 2560219
Y: 663766

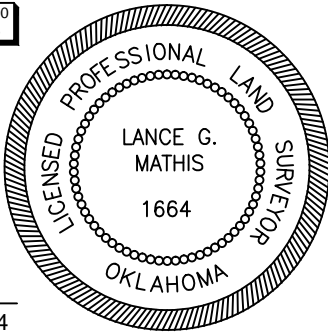
Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.
NOTE: 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

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
LANCE G. MATHIS
09/27/19
OK LPLS 1664



Invoice #8576-A-A
Date Staked: 09/17/19 By: H.S.
Date Drawn: 09/18/19 By: J.C.



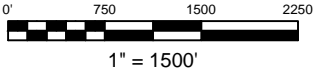
Well Location Plat

S.H.L. Sec. 3-7N-11E I.M.
B.H.L. Sec. 27-8N-11E I.M.

Operator: TRINITY OPERATING
Lease Name and No.: LORRAINE 2-34/27H
Footage: 1657' FNL - 1333' FEL Gr. Elevation: 849'
Section: 3 Township: 7N Range: 11E I.M.
County: Hughes State of Oklahoma
Terrain at Loc.: Location fell on an existing pad site.



All bearings shown
are grid bearings.



GPS DATUM
NAD 27
OK SOUTH ZONE

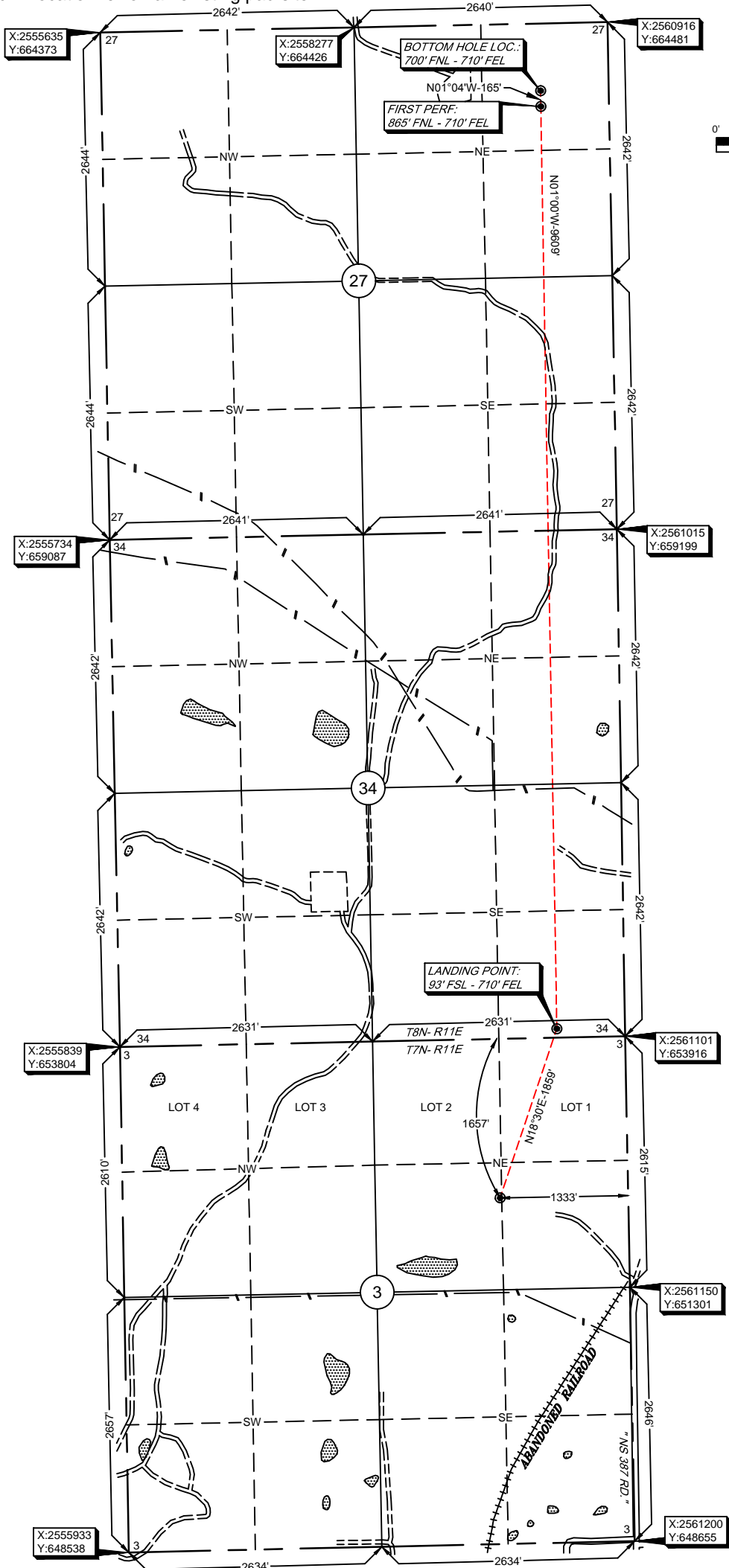
Surface Hole Loc.:
Lat: 35°06'40.72"N
Lon: 96°07'41.71"W
Lat: 35.11131042
Lon: -96.12825344
X: 2559799
Y: 652230

Landing Point:
Lat: 35°06'58.05"N
Lon: 96°07'34.22"W
Lat: 35.11612415
Lon: -96.12617093
X: 2560389
Y: 653993

First Perf:
Lat: 35°08'33.09"N
Lon: 96°07'34.08"W
Lat: 35.14252550
Lon: -96.12613264
X: 2560222
Y: 663601

Bottom Hole Loc.:
Lat: 35°08'34.72"N
Lon: 96°07'34.08"W
Lat: 35.14297883
Lon: -96.12613273
X: 2560219
Y: 663766

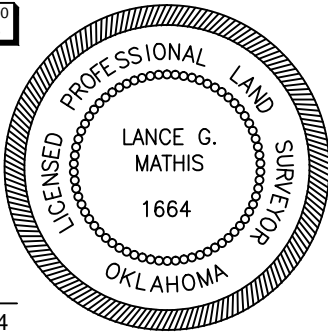
Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS. NOTE: 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

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
LANCE G. MATHIS
09/27/19
OK LPLS 1664



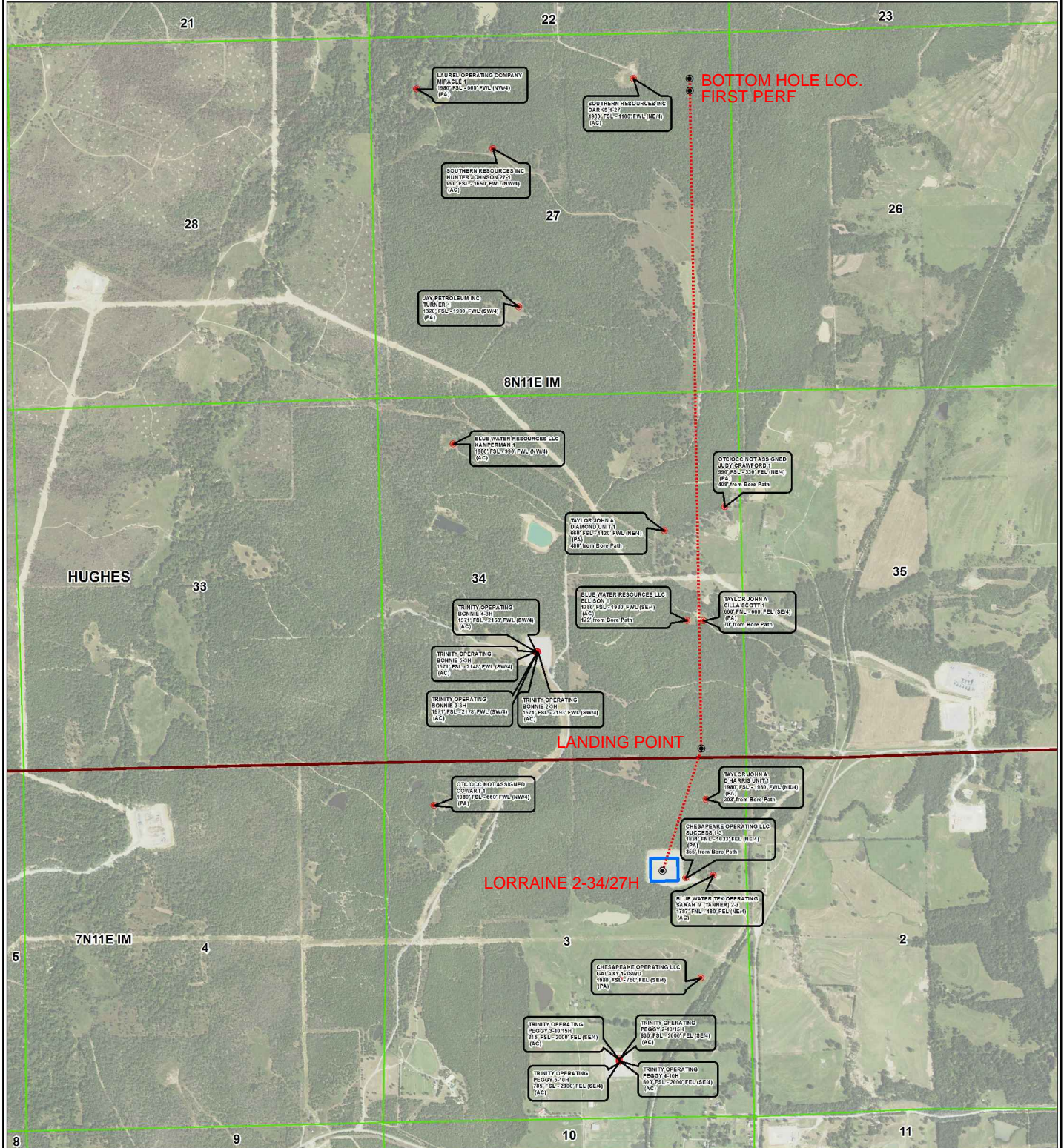
Invoice #8576-A-A
Date Staked: 09/17/19 By: H.S.
Date Drawn: 09/18/19 By: J.C.



TRINITY OPERATING Anti-Collision

Sec. 3-7N-11E I.M.

Operator: TRINITY OPERATING
Lease Name and No.: LORRAINE 2-34/27H
Surface Hole Location: 1657' FNL - 1333' FEL
Sec. 3 Twp. 7N Rng. 11E I.M.
Landing Point: 93' FSL - 710' FEL
Sec. 34 Twp. 8N Rng. 11E I.M.
First Perf: 865' FNL - 710' FEL
Bottom Hole Location: 700' FNL - 710' FEL
Sec. 27 Twp. 8N Rng. 11E I.M.
County: Hughes State of Oklahoma





Topographic Vicinity Map

Operator: TRINITY OPERATING

Lease Name and No.: LORRAINE 2-34/27H

Surface Hole Location: 1657' FNL - 1333' FEL

Sec. 3 Twp. 7N Rng. 11E I.M.

Landing Point: 93' FSL - 710' FEL

Sec. 34 Twp. 8N Rng. 11E I.M.

First Perf: 865' FNL - 710' FEL

Bottom Hole Location: 700' FNL - 710' FEL

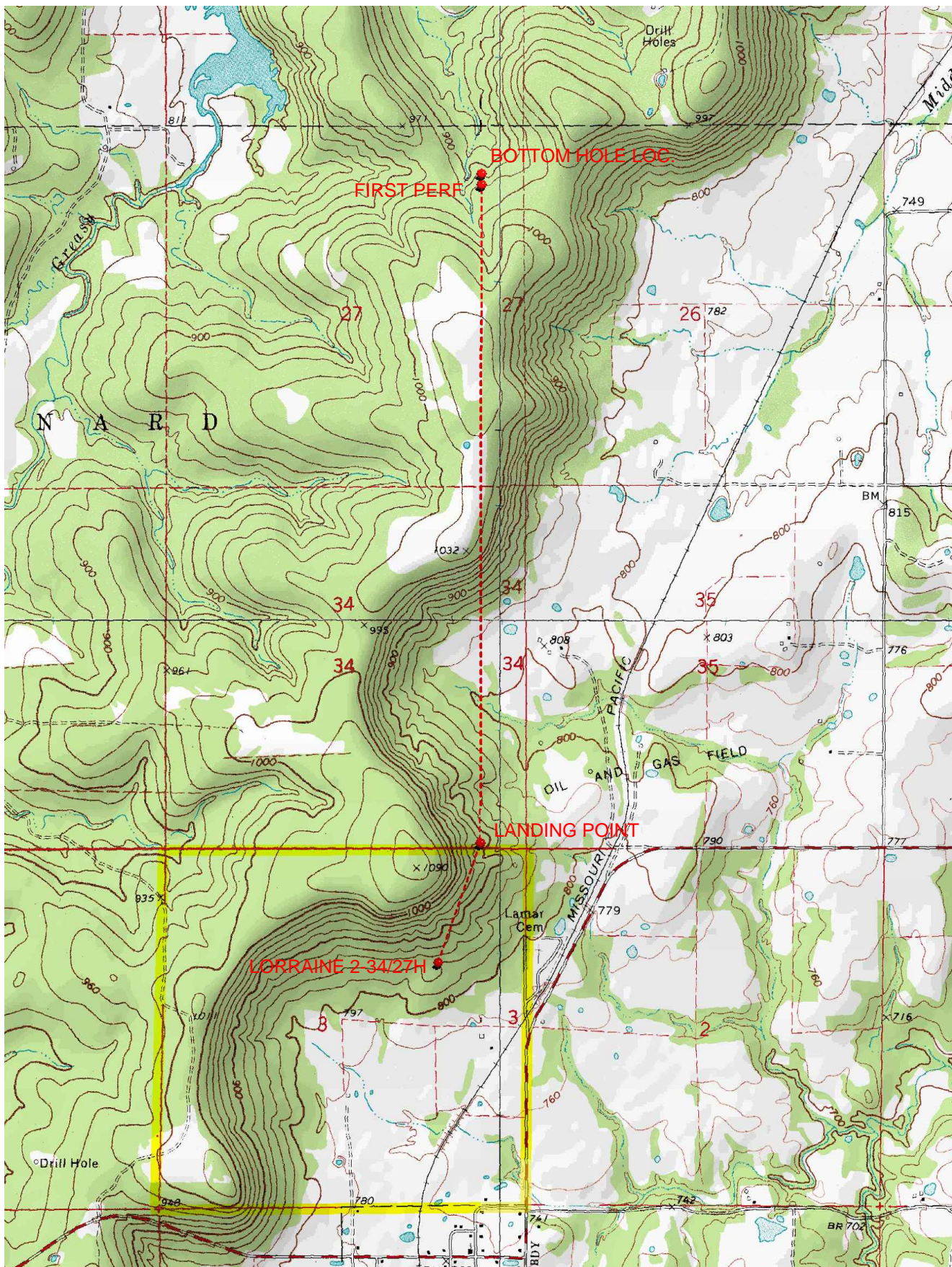
Sec. 27 Twp. 8N Rng. 11E I.M.

County: Hughes State of Oklahoma

Ground Elevation at Surface Hole Location: 849'



Scale 1" = 2000'
Contour Interval: 20'



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

Date Staked: 09/17/19

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 #: 8576-A-A

Operator: TRINITY OPERATING

Lease Name and No.: LORRAINE 2-34/27H

Accessibility: From the South.

Directions: From the junction of "Jefferson Ave" &

"Main St" in the town of Lamar, OK, go 0.8 miles

East then North on "Jefferson Ave/NS 387 RD.",

then go 0.2 miles North on an unnamed lease road

to the Northeast Quarter of Section 3-7N-11E on the West side of the road.

1 inch = 0.25 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

