

API NUMBER: 073 26661 A

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

Approval Date: 07/23/2021
Expiration Date: 01/23/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 10 Township: 16N Range: 6W County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 282 210

Lease Name: RUTH 10-16-6 Well No: 4HC Well will be 210 feet from nearest unit or lease boundary.
Operator Name: TAPSTONE ENERGY LLC Telephone: 4057021600 OTC/OCC Number: 24505 0

TAPSTONE ENERGY LLC
PO BOX 1608
OKLAHOMA CITY, OK 73101-1608

JERALD K. SCHROEDER & DEBORAH J. SCHROEDER, TRUSTEES
OF THE JERALD K. SCHROEDER AND DEBORAH J. SCHRO
P.O. BOX 1508
EUFALA OK 74432

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

Name	Code	Depth
1 OSWEGO	404OSWG	6630

Spacing Orders: 654841	Location Exception Orders: 694105	Increased Density Orders: 694104
672942	694103	717515
694101	698963	694102
	717516	717513
	717514	
	719015	

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 17000 Ground Elevation: 1103

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 160

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37197
H. (Other) CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: SALT PLAINS

MULTI UNIT HOLE 1

Section: 15 Township: 16N Range: 6W Meridian: IM Total Length: 9315
County: KINGFISHER Measured Total Depth: 17000
Spot Location of End Point: SW NE SE SE True Vertical Depth: 6653
Feet From: SOUTH 1/4 Section Line: 715 End Point Location from
Feet From: EAST 1/4 Section Line: 380 Lease, Unit, or Property Line: 380

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.

NOTES:	
Category	Description
DEEP SURFACE CASING	[7/22/2021 - 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
EXCEPTION TO RULE - 698963	<p>[7/23/2021 - G56] - (I.O.) 15-16N-6W X165:10-3-28(C)(2)(B) OSWG (RUTH 3-16-6 4HC)*** MAY BE CLOSER THAN 600' TO STEPHENS 1 WELL CHESAPEAKE OPERATING, LLC^^ 7/10/2019</p> <p>***S/B RUTH 10-16-6 4HC, WILL BE CORRECTED AT FINAL HEARING PER ATTORNEY FOR OPERATOR</p> <p>^^S/B TAPSTONE ENERGY LLC, WILL BE CORRECTED AT FINAL HEARING PER ATTORNEY FOR OPERATOR;</p>
EXCEPTION TO RULE - 719015	[7/23/2021 - G56] - EXTENSION OF TIME FOR ORDER # 698963
HYDRAULIC FRACTURING	<p>[7/22/2021 - 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>
INCREASED DENSITY - 694102	<p>[7/23/2021 - G56] - 15-16N-6W X672942 OSWG 1 WELL CHESAPEAKE OPERATING, LLC 4/4/2019</p>
INCREASED DENSITY - 694104	<p>[7/23/2021 - G56] - 10-16N-6W X654841 OSWG 1 WELL CHESAPEAKE OPERATING, LLC 4/4/2019</p>
INCREASED DENSITY - 717513	<p>[7/23/2021 - G56] - 15-16N-6W X694102 CHANGE OF OPERATOR TO TAPSTONE ENERGY LLC EXTENSION OF TIME FOR ORDER # 694102</p>
INCREASED DENSITY - 717515	<p>[7/23/2021 - G56] - 10-16N-6W X694104 CHANGE OF OPERATOR TO TAPSTONE ENERGY LLC EXTENSION OF TIME FOR ORDER # 694104</p>
LOCATION EXCEPTION - 694103	<p>[7/23/2021 - G56] - (I.O.) 15-16N-6W X672942 OSWG COMPL. INT. NCT 0' FNL, NCT 330' FSL, NCT 330' FEL NO OP NAMED 4/4/2019</p>
LOCATION EXCEPTION - 694105	<p>[7/23/2021 - G56] - (I.O.) 10-16N-6W X654841 OSWG COMPL. INT. NCT 330' FNL, NCT 0' FSL, NCT 330' FEL NO OP NAMED 4/4/2019</p>
LOCATION EXCEPTION - 717514	[7/23/2021 - G56] - EXTENSION OF TIME FOR ORDER # 694103
LOCATION EXCEPTION - 717516	[7/23/2021 - G56] - EXTENSION OF TIME FOR ORDER # 694105
SPACING - 654841	<p>[7/23/2021 - G56] - (640)(HOR) 10-16N-6W EST OSWG, OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 62116 OSWG)</p>

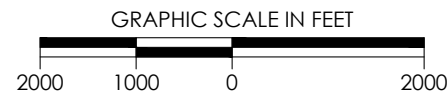
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

SPACING - 672942	[7/23/2021 - G56] - (640)(HOR) 15-16N-6W EXT 654841 OSWG, OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 62116 OSWG N2 & ORDER # 62116//124683 OSWG S2)
SPACING - 694101	[7/23/2021 - G56] - (I.O.) 15 & 10-16N-6W EST MULTIUNIT HORIZONTAL WELL X672942 OSWG 15-16N-6W X654841 OSWG 10-16N-6W 50% 15-16N-6W 50% 10-16N-6W CHESAPEAKE OPERATING, LLC*** 4/4/2019 ***S/B TAPSTONE ENERGY LLC, WILL BE CORRECTED AT FINAL HEARING PER ATTORNEY FOR OPERATOR;

OPERATOR: TAPSTONE ENERGY, LLC
LEASE NAME: RUTH 10-16-6
WELL NO. 4HC
STAKED DATE: 12/4/19
GROUND ELEVATION: 1103.12 GR. AT STAKE
SURFACE HOLE FOOTAGE: 282' FNL - 210' FEL
SECTION: 10 TOWNSHIP: 16N RANGE: 6W
KINGFISHER COUNTY, STATE: OK
BOTTOM HOLE: 15-16N-6W.I.M.
BOTTOM HOLE FOOTAGE: 715' FSL - 380' FEL
LANDING POINT FOOTAGE: 550' FNL - 380' FEL

ACCESSIBILITY TO LOCATION: FROM NORTH LINE
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE EAST EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN: FROM THE INTERSECTION OF HWY 81 & HWY 3 IN KINGFISHER, GO E ALONG HWY 33.5 MI. TO N2900 RD, GO N 2 MI. TO E780 RD, GO E 1 MI. PAD IS ON S SIDE OF RD.



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2054295.6

Y: 322108.8

GPS DATUM: NAD27

LAT: 35.88475595

LONG: -97.81671505

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2022696.9

Y: 322132.9

GPS DATUM: NAD83

LAT: 35.88479925

LONG: -97.81704399

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2054176.4

Y: 312527.0

GPS DATUM: NAD27

LAT: 35.85843320

LONG: -97.81717853

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2022577.7

Y: 312551.0

GPS DATUM: NAD83

LAT: 35.85847718

LONG: -97.81750701

LANDING POINT DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2054125.5

Y: 321841.2

GPS DATUM: NAD27

LAT: 35.88402158

LONG: -97.81729117

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2022526.7

Y: 321865.2

GPS DATUM: NAD83

LAT: 35.88406489

LONG: -97.81762012

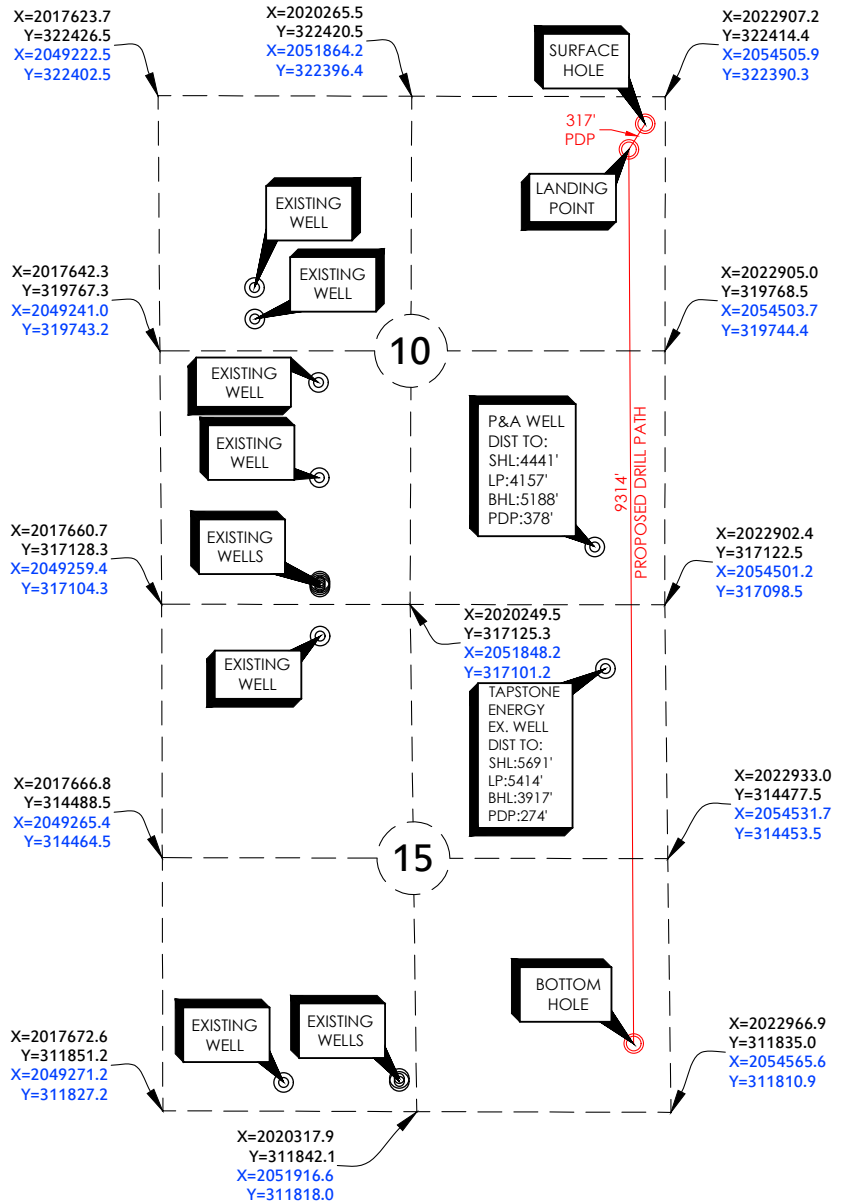
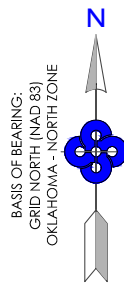
PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED, GPS DATA IS OBSERVED FROM RTK-GPS. NOTE: X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED.

CERTIFICATION:

THIS IS TO CERTIFY THAT THIS WELL LOCATION EXHIBIT WAS COMPILED AND PREPARED UNDER MY SUPERVISION.

Date: 2021.07.16 13:24:54-05'00'

[Signature]
DENVER WINCHESTER PLS 1952



RUTH 10-16-6 4HC

REVISION DATE:

R1 5.21.19

R2 12.06.19

PART OF THE NE/4 OF
SECTION 10, 16N, 6W
WELL LOCATION EXHIBIT
KINGFISHER COUNTY, OKLAHOMA

SCALE: 1" = 2000'
PLOT DATE: 07-16-2021

DRAWING: 21611600-WELL
DRAWN BY: JJ

SHEET NO.: 1 OF 3

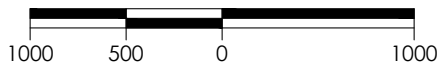
300 Pointe Parkway Blvd
Yukon, OK 73099
405.787.6270 t 405.787.6276 f
www.craftontull.com
Crafton Tull
SURVEYING
CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2020

OPERATOR: TAPSTONE ENERGY, LLC
LEASE NAME: RUTH 10-16-6
WELL NO. 4HC
STAKED DATE: 12/4/19
GROUND ELEVATION: 1103.12 GR. AT STAKE
SURFACE HOLE FOOTAGE: 282' FNL - 210' FEL
SECTION: 10 TOWNSHIP: 16N RANGE: 6W
KINGFISHER COUNTY, STATE: OK
BOTTOM HOLE: 15-16N-6W, I.M.
BOTTOM HOLE FOOTAGE: 715' FSL - 380' FEL
LANDING POINT FOOTAGE: 550' FNL - 380' FEL

ACCESSIBILITY TO LOCATION: FROM NORTH LINE
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE EAST EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
 FROM THE INTERSECTION OF HWY 81 & HWY 3 IN KINGFISHER, GO E ALONG HWY 33.5 MI. TO N2900 RD. GO N 2 MI. TO E780 RD. GO E 1 MI. PAD IS ON S SIDE OF RD.

GRAPHIC SCALE IN FEET



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27
X: 2054295.6
Y: 322108.8
GPS DATUM: NAD27
LAT: 35.88475595
LONG: -97.81671505

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83
X: 2022696.9
Y: 322132.9
GPS DATUM: NAD83
LAT: 35.88479925
LONG: -97.81704399

BOTTOM HOLE DATA

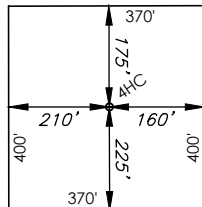
STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27
X: 2054176.4
Y: 312527.0
GPS DATUM: NAD27
LAT: 35.85843320
LONG: -97.81717853

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83
X: 2022577.7
Y: 312551.0
GPS DATUM: NAD83
LAT: 35.85847718
LONG: -97.81750701

PAD DIAGRAM (NOT TO SCALE)



LANDING POINT DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27
X: 2054125.5
Y: 321841.2
GPS DATUM: NAD27
LAT: 35.88402158
LONG: -97.81729117

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83
X: 2022526.7
Y: 321865.2
GPS DATUM: NAD83
LAT: 35.88406489
LONG: -97.81762012

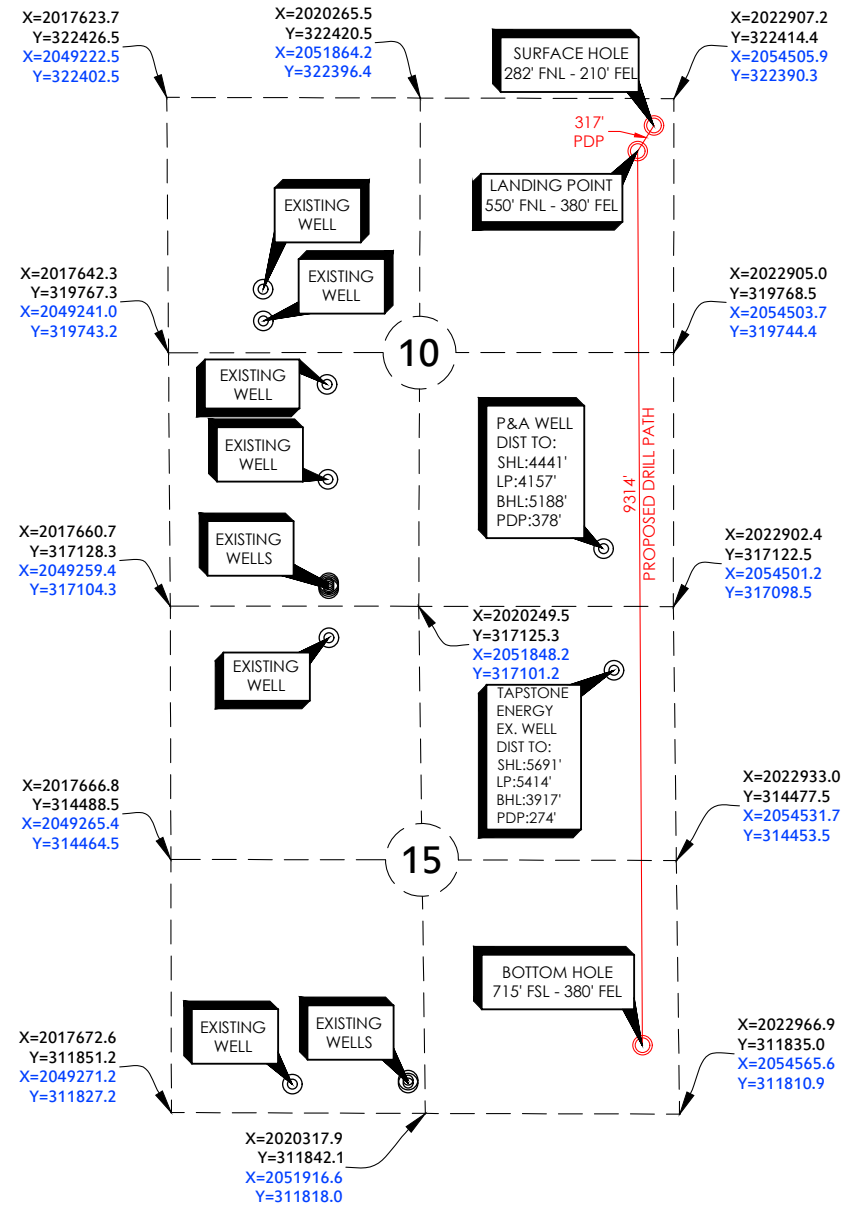
PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED, GPS DATA IS OBSERVED FROM RTK-GPS. NOTE: X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED.

CERTIFICATION:

THIS IS TO CERTIFY THAT THIS WELL LOCATION EXHIBIT WAS COMPILED AND PREPARED UNDER MY SUPERVISION.

Date: 2021.07.16 13:24:52-05'00'

DENVER WINCHESTER PLS 1952



RUTH 10-16-6 4HC

REVISION DATE:

R1	5.21.19
R2	12.06.19

PART OF THE NE/4 OF
 SECTION 10, 16N, 6W
 WELL LOCATION EXHIBIT
 KINGFISHER COUNTY, OKLAHOMA

SCALE: 1" = 1000'
PLOT DATE: 07-16-2021

DRAWING: 21611600-WELL-P
DRAWN BY: JJ

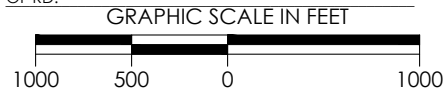
SHEET NO.: 2 OF 3

300 Pointe Parkway Blvd
 Yukon, OK 73099
 405.787.6270 t 405.787.6276 f
 www.craftontull.com
Crafton Tull
 SURVEYING
 CERTIFICATE OF AUTHORIZATION:
 CA 973 (PE/LS) EXPIRES 6/30/2020

OPERATOR: TAPSTONE ENERGY, LLC
LEASE NAME: RUTH 10-16-6
WELL NO. 4HC
STAKED DATE: 12/4/19
GROUND ELEVATION: 1103.12 GR. AT STAKE
SURFACE HOLE FOOTAGE: 282' FNL - 210' FEL
SECTION: 10 TOWNSHIP: 16N RANGE: 6W
KINGFISHER COUNTY, STATE: OK
BOTTOM HOLE: 15-16N-6W-11M.
BOTTOM HOLE FOOTAGE: 715' FSL - 380' FEL
LANDING POINT FOOTAGE: 550' FNL - 380' FEL

ACCESSIBILITY TO LOCATION: FROM NORTH LINE
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE EAST EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
FROM THE INTERSECTION OF HWY 81 & HWY 3 IN
KINGFISHER, GO E ALONG HWY 33.5 MI. TO N2900 RD.
GO N 2 MI. TO E780 RD, GO E 1 MI. PAD IS ON S SIDE
OF RD.



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2054295.6

Y: 322108.8

GPS DATUM: NAD27

LAT: 35.88475595

LONG: -97.81671505

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2022696.9

Y: 322132.9

GPS DATUM: NAD83

LAT: 35.88479925

LONG: -97.81704399

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2054176.4

Y: 312527.0

GPS DATUM: NAD27

LAT: 35.85843320

LONG: -97.81717853

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2022577.7

Y: 312551.0

GPS DATUM: NAD83

LAT: 35.85847718

LONG: -97.81750701

LANDING POINT DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2054125.5

Y: 321841.2

GPS DATUM: NAD27

LAT: 35.88402158

LONG: -97.81729117

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2022526.7

Y: 321865.2

GPS DATUM: NAD83

LAT: 35.88406489

LONG: -97.81762012

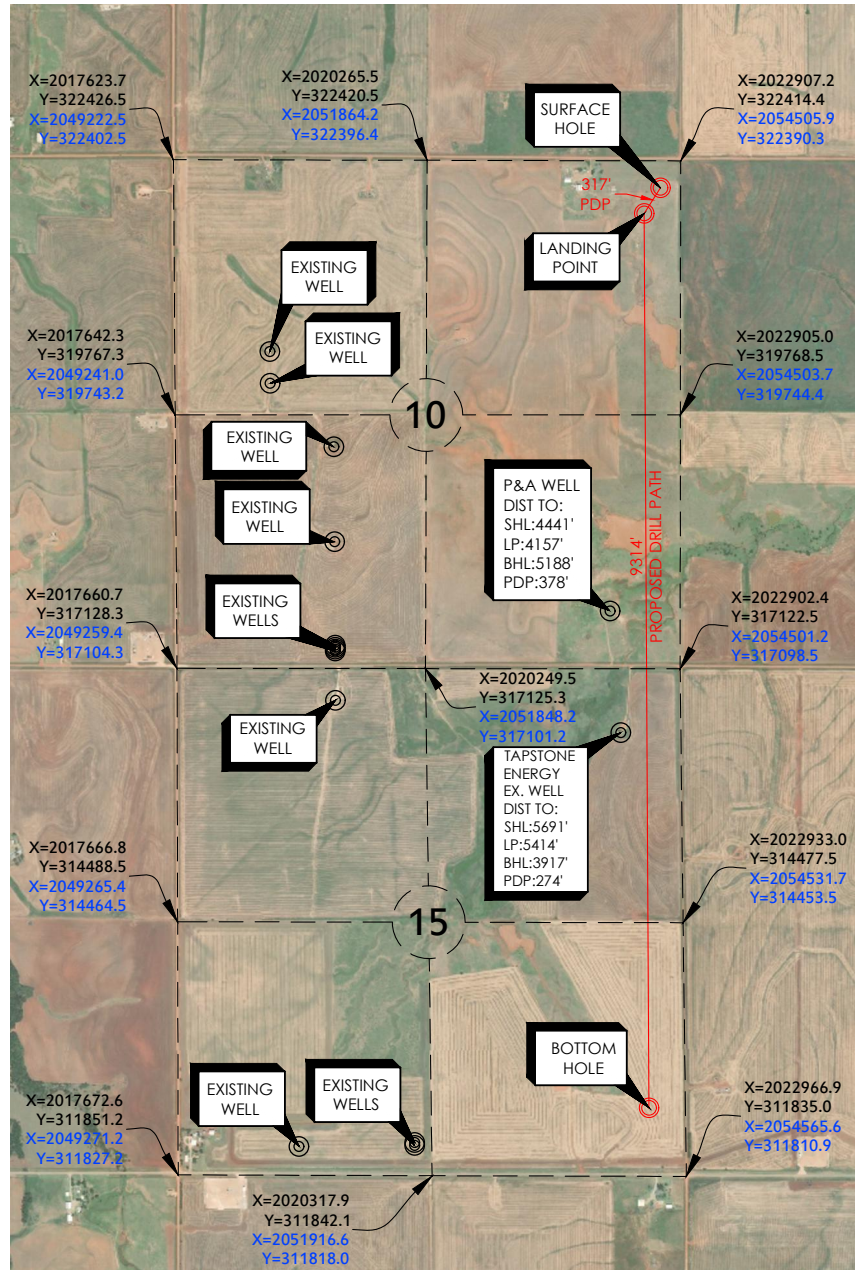
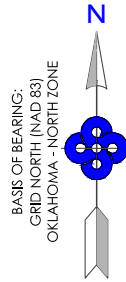
PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED, GPS DATA IS OBSERVED FROM RTK-GPS. NOTE: X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED.

CERTIFICATION:

THIS IS TO CERTIFY THAT THIS WELL LOCATION EXHIBIT WAS COMPILED AND PREPARED UNDER MY SUPERVISION.

Date: 2021.07.16 13:24:49-05'00'

[Signature]
DENVER WINCHESTER PLS 1952



RUTH 10-16-6 4HC

REVISION DATE:

R1 5.21.19

R2 12.06.19

PART OF THE NE/4 OF
SECTION 10, 16N, 6W
WELL LOCATION EXHIBIT
KINGFISHER COUNTY, OKLAHOMA

SCALE: 1"=1000'

PLOT DATE: 07-16-2021

DRAWING: 21611600-AERIAL

DRAWN BY: JJ

SHEET NO.: 3 OF 3

300 Pointe Parkway Blvd
Yukon, OK 73099
405.787.6270 t 405.787.6276 f
www.craftontull.com



Crafton Tull
SURVEYING

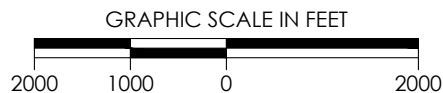
CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2020



OPERATOR: TAPSTONE ENERGY, LLC
LEASE NAME: RUTH 10-16-6
WELL NO. 4HC
STAKED DATE: 12/4/19
GROUND ELEVATION: 1103.12 GR. AT STAKE
SURFACE HOLE FOOTAGE: 282' FNL - 210' FEL
SECTION: 10 TOWNSHIP: 16N RANGE: 6W
KINGFISHER COUNTY, STATE: OK
BOTTOM HOLE: 15-16N-6W I.M.
BOTTOM HOLE FOOTAGE: 715' FSL - 380' FEL
LANDING POINT FOOTAGE: 550' FNL - 380' FEL

ACCESSIBILITY TO LOCATION: FROM NORTH LINE
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE EAST EDGE OF A FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
 FROM THE INTERSECTION OF HWY 81 & HWY 3 IN
 KINGFISHER, GO E ALONG HWY 33 5 MI. TO N2900 RD.
 GO N 2 MI. TO E780 RD, GO E 1 MI. PAD IS ON S SIDE
 OF RD.
CONTOUR INTERVAL: 10'



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2054295.6

Y: 322108.8

GPS DATUM: NAD27

LAT: 35.88475595

LONG: -97.81671505

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2022696.9

Y: 322132.9

GPS DATUM: NAD83

LAT: 35.88479925

LONG: -97.81704399

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2054176.4

Y: 312527.0

GPS DATUM: NAD27

LAT: 35.85843320

LONG: -97.81717853

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2022577.7

Y: 312551.0

GPS DATUM: NAD83

LAT: 35.85847718

LONG: -97.81750701

LANDING POINT DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 2054125.5

Y: 321841.2

GPS DATUM: NAD27

LAT: 35.88402158

LONG: -97.81729117

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 2022526.7

Y: 321865.2

GPS DATUM: NAD83

LAT: 35.88406489

LONG: -97.81762012

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 USGS TOPOGRAPHIC MAP. PLEASE PROMPTLY CONTACT CRAFTON TULL IF AN INCONSISTENCY IS DETERMINED.

LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED.

RUTH 10-16-6 4HC

REVISION DATE:

R1 5.21.19

R2 12.06.19

PART OF THE NE/4
 SECTION 10, 16N, 6W, I.M.
 TOPOGRAPHIC VICINITY MAP
 KINGFISHER COUNTY, OKLAHOMA

SCALE: 1" = 2000'
 PLOT DATE: 07-16-2021

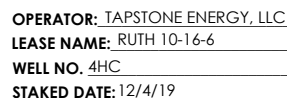
DRAWING:
 DRAWN BY:

21611600-QUAD
 JJ

SHEET NO.: 1 OF 1



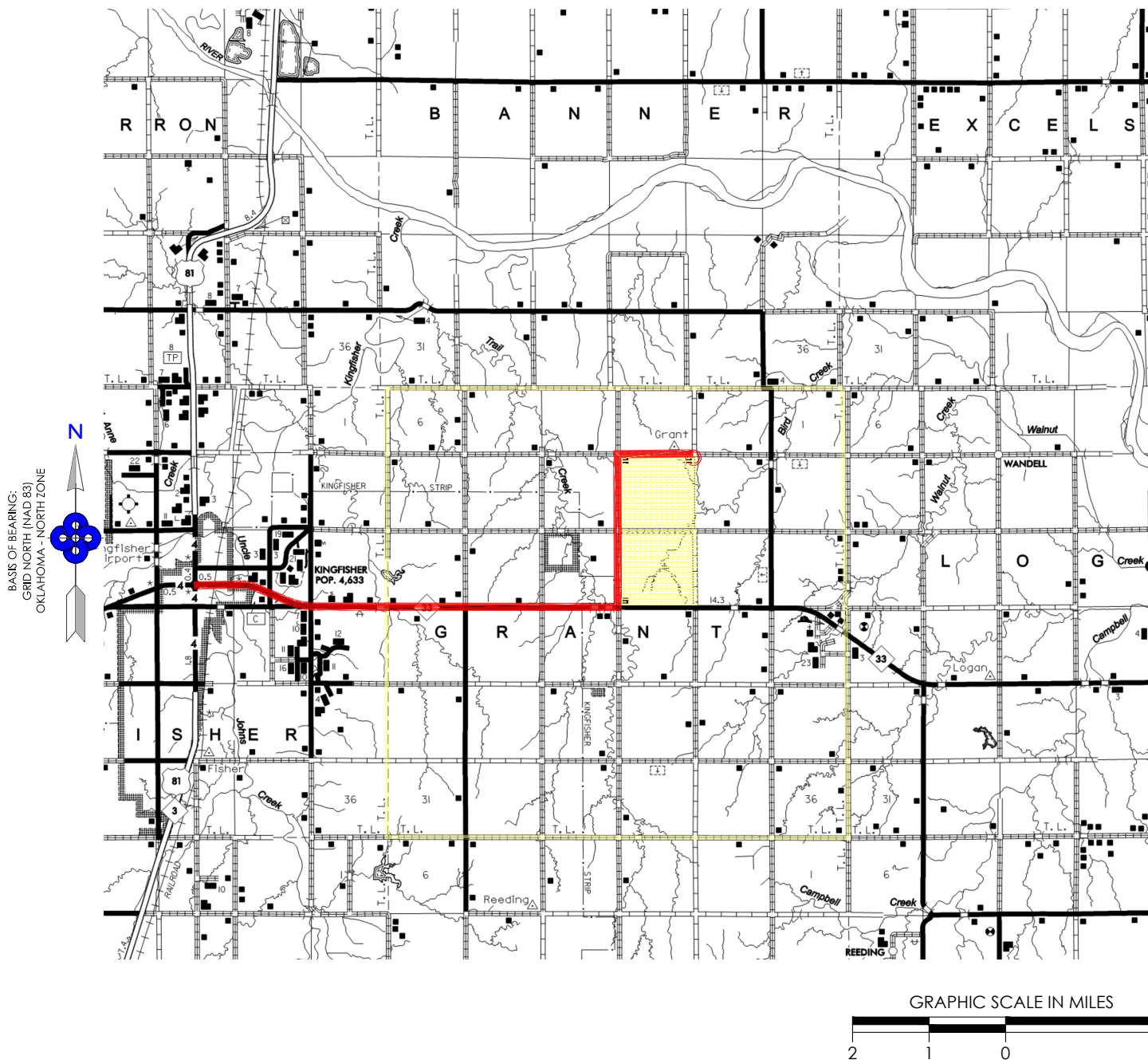
300 Pointe Parkway Blvd
 Yukon, OK 73099
 405.787.6270 t 405.787.6276 f
 www.craftontull.com
Crafton Tull
 SURVEYING
 CERTIFICATE OF AUTHORIZATION:
 CA 973 (PE/LS) EXPIRES 6/30/2020



GROUND ELEVATION: 1103.12 GR. AT STAKE
SURFACE HOLE FOOTAGE: 282' FNL - 210' FEL
SECTION: 10 TOWNSHIP: 16N RANGE: 6W
KINGFISHER COUNTY, STATE: OK
BOTTOM HOLE: 15-16N-6W, I.M.
BOTTOM HOLE FOOTAGE: 715' FSL - 380' FEL
LANDING POINT FOOTAGE: 550' FNL - 380' FEL

ACCESSIBILITY TO LOCATION: FROM NORTH LINE
TOPOGRAPHY & VEGETATION: LOCATION FELL ON THE
EAST EDGE OF A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN: _____
FROM THE INTERSECTION OF HWY 81 & HWY 3 IN KINGFISHER, GO E ALONG HWY 33
5 MI. TO N2900 RD. GO N 2 MI. TO E780 RD. GO E 1 MI. PAD IS ON S SIDE OF RD.



 **Crafton Tull**
SURVEYING
CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2020



OPERATOR: TAPSTONE ENERGY, LLC

LEASE NAME: RUTH 10-16-6

WELL NO. 4HC

STAKED DATE: 12/4/19

GROUND ELEVATION: 1103.12 GR. AT STAKE

SURFACE HOLE FOOTAGE: 282' FNL - 210' FEL

SECTION: 10 TOWNSHIP: 16N RANGE: 6W

KINGFISHER COUNTY, STATE: OK

SURFACE HOLE DATA

STATE PLANE COORDINATES: GPS DATUM: NAD27

ZONE: OK-NORTH NAD27 LAT: 35.88475595

X: 2054295.6 LONG: -97.81671505

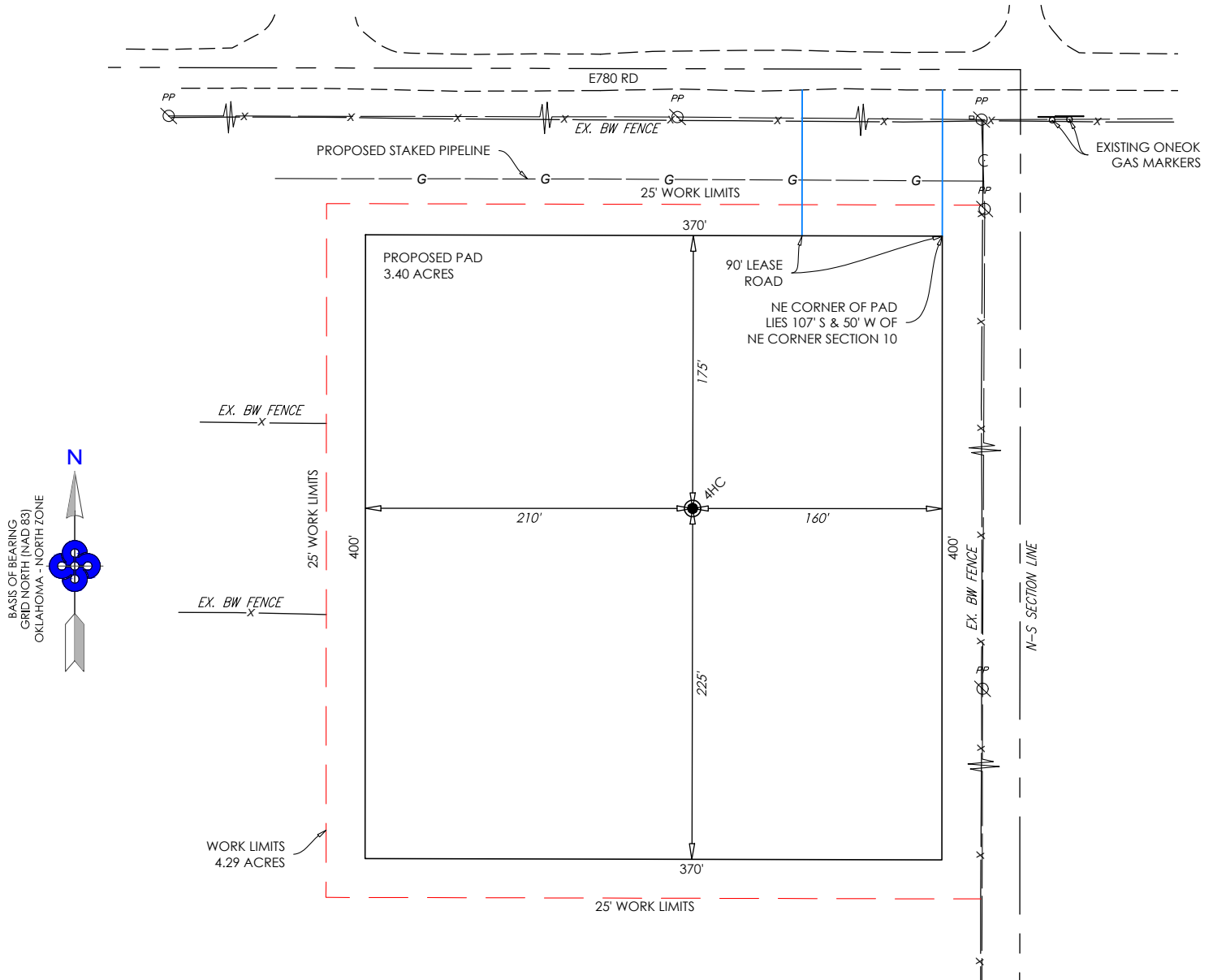
Y: 322108.8

STATE PLANE COORDINATES: GPS DATUM: NAD83

ZONE: OK-NORTH NAD83 LAT: 35.88479925

X: 2022696.9 LONG: -97.81704399

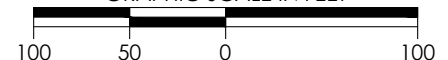
Y: 322132.9



NOTES:

- THIS PROPOSED PLAT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY
- THE FOOTAGES AND TIES SHOWN HEREON ARE FROM LINES OF OCCUPATION AND MAY NOT BE FROM ACTUAL PROPERTY CORNERS.
- INFORMATION SHOWN HEREON IS IN NAD83 WITH NAVD88 ELEVATIONS
- INFORMATION SHOWN HEREON IS FOR CONSTRUCTION PURPOSES ONLY

GRAPHIC SCALE IN FEET



RUTH 10-16-6 4HC

REVISION DATE:

R1 5.21.19

R2 12.06.19

PROPOSED PAD
PART OF THE NE/4 OF
SECTION 10, 16N, 6W
KINGFISHER COUNTY, OKLAHOMA

300 Pointe Parkway Blvd
Yukon, OK 73099

405.787.6270 t 405.787.6276 f
www.craftontull.com



Crafton Tull

® SURVEYING
CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2020

SCALE: 1" = 100'

PLOT DATE: 07-16-2021

DRAWING:

DRAWN BY:

21611600-PD-PR

DW

SHEET NO.: 1 OF 1



OPERATOR: TAPSTONE ENERGY, LLC

LEASE NAME: RUTH 10-16-6

WELL NO. 4HC

STAKED DATE: 12/4/19

GROUND ELEVATION: 1103.12 GR. AT STAKE

SURFACE HOLE FOOTAGE: 282' FNL - 210' FEL

SECTION: 10 TOWNSHIP: 16N RANGE: 6W

KINGFISHER COUNTY, STATE: OK

SURFACE HOLE DATA

STATE PLANE COORDINATES: GPS DATUM: NAD27

ZONE: OK-NORTH NAD27

X: 2054295.6

Y: 322108.8

LAT: 35.88475595

LONG: -97.81671505

STATE PLANE COORDINATES: GPS DATUM: NAD83

ZONE: OK-NORTH NAD83

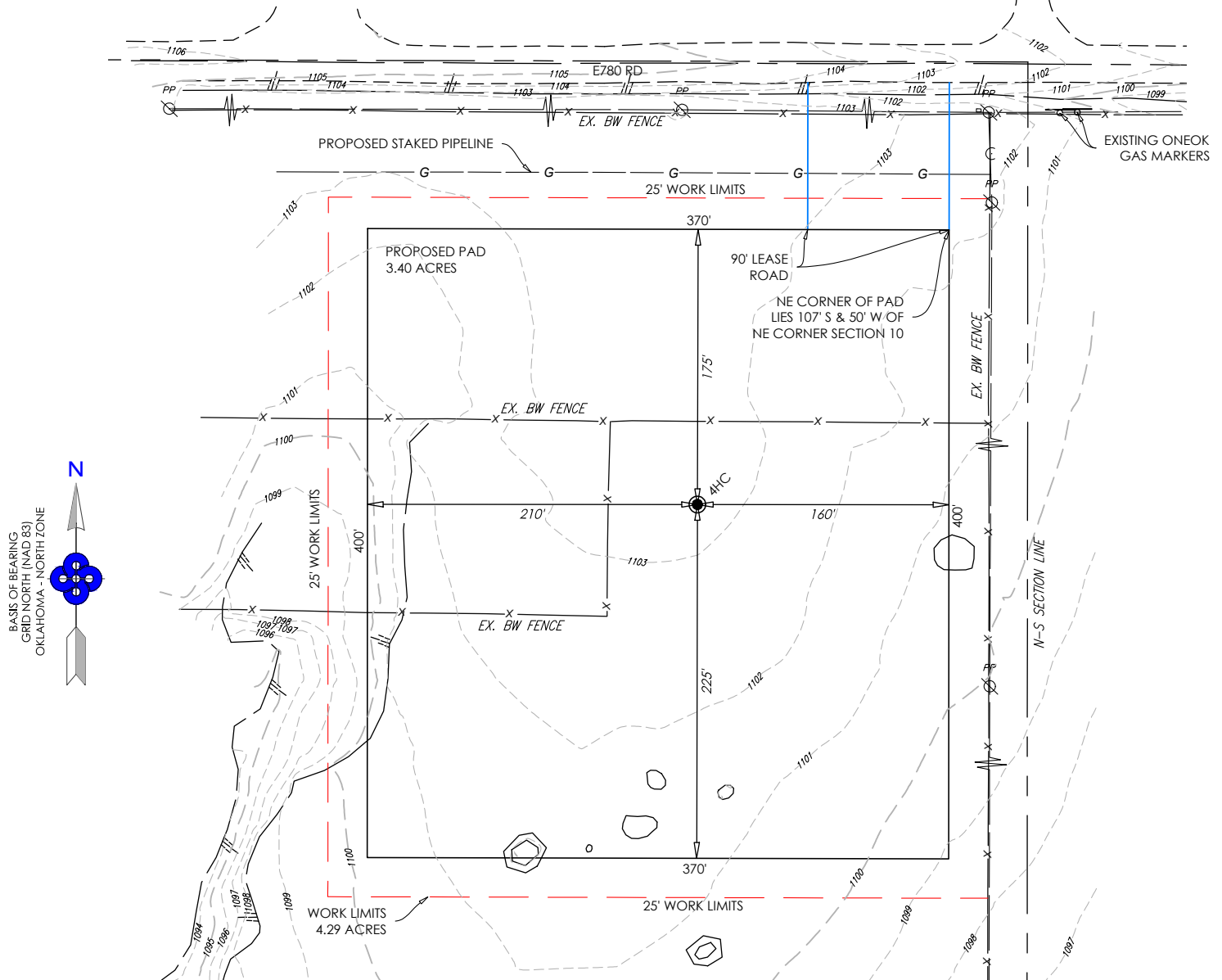
X: 2022696.9

Y: 322132.9

GPS DATUM: NAD83

LAT: 35.88479925

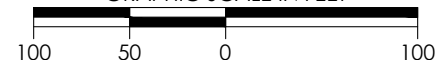
LONG: -97.81704399



NOTES:

- THIS PROPOSED PLAT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY
- THE FOOTAGES AND TIES SHOWN HEREON ARE FROM LINES OF OCCUPATION AND MAY NOT BE FROM ACTUAL PROPERTY CORNERS.
- INFORMATION SHOWN HEREON IS IN NAD83 WITH NAVD88 ELEVATIONS
- INFORMATION SHOWN HEREON IS FOR CONSTRUCTION PURPOSES ONLY

GRAPHIC SCALE IN FEET



RUTH 10-16-6 4HC

REVISION DATE:

R1 5.21.19

R2 12.06.19

EXISTING CONTOURS
PART OF THE NE/4 OF
SECTION 10, 16N, 6W
KINGFISHER COUNTY, OKLAHOMA

300 Pointe Parkway Blvd
Yukon, OK 73099

405.787.6270 t 405.787.6276 f

www.craftontull.com



Crafton Tull
® SURVEYING

CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2020

SCALE: 1" = 100'

PLOT DATE: 07-16-2021

DRAWING:

DRAWN BY:

21611600-PD-EX

DW

SHEET NO.: 1 OF 1



OPERATOR: TAPSTONE ENERGY, LLC

LEASE NAME: RUTH 10-16-6

WELL NO. 4HC

STAKED DATE: 12/4/19

GROUND ELEVATION: 1103.12 GR. AT STAKE

SURFACE HOLE FOOTAGE: 282' FNL - 210' FEL

SECTION: 10 TOWNSHIP: 16N RANGE: 6W

KINGFISHER COUNTY, STATE: OK

SURFACE HOLE DATA

STATE PLANE COORDINATES: GPS DATUM: NAD27

ZONE: OK-NORTH NAD27

X: 2054295.6

Y: 322108.8

LAT: 35.88475595

LONG: -97.81671505

STATE PLANE COORDINATES: GPS DATUM: NAD83

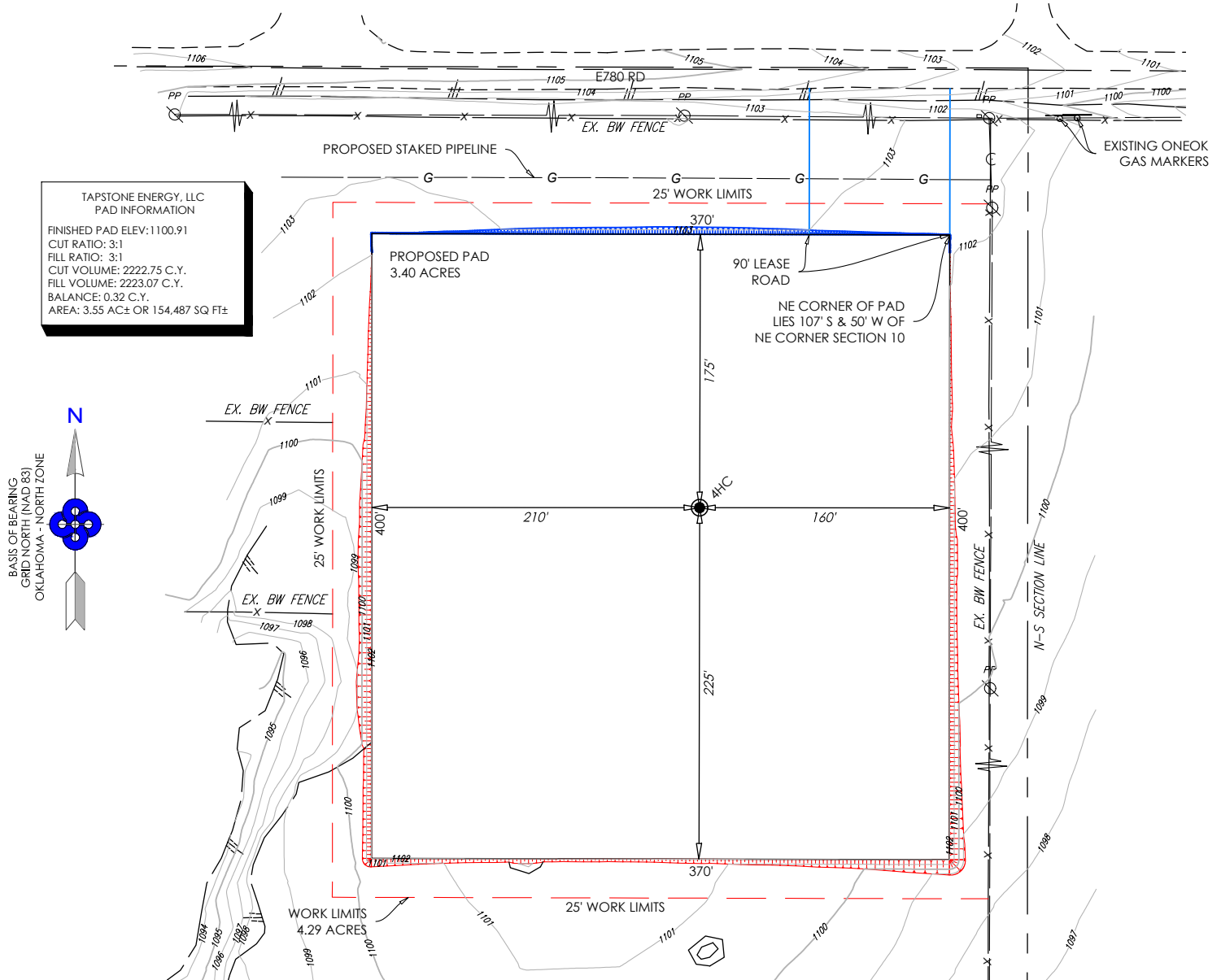
ZONE: OK-NORTH NAD83

X: 2022696.9

Y: 322132.9

LAT: 35.88479925

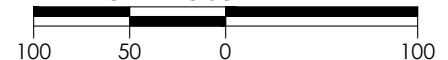
LONG: -97.81704399



NOTES:

- THIS PROPOSED PLAT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY
- THE FOOTAGES AND TIES SHOWN HEREON ARE FROM LINES OF OCCUPATION AND MAY NOT BE FROM ACTUAL PROPERTY CORNERS.
- INFORMATION SHOWN HEREON IS IN NAD83 WITH NAVD88 ELEVATIONS
- INFORMATION SHOWN HEREON IS FOR CONSTRUCTION PURPOSES ONLY

GRAPHIC SCALE IN FEET



RUTH 10-16-6 4HC

REVISION DATE:

R1 5.21.19

R2 12.06.19

FINAL CONTOURS
PART OF THE NE/4 OF
SECTION 10, 16N, 6W
KINGFISHER COUNTY, OKLAHOMA

300 Pointe Parkway Blvd
Yukon, OK 73099

405.787.6270 t 405.787.6276 f

www.craftontull.com



Crafton Tull
® SURVEYING

CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2020

SCALE: 1" = 100'

PLOT DATE: 07-16-2021

DRAWING:

DRAWN BY:

21611600-PD-FNL

DW

SHEET NO.: 1 OF 1



OPERATOR: TAPSTONE ENERGY, LLC

LEASE NAME: RUTH 10-16-6

WELL NO. 4HC

STAKED DATE: 12/4/19

GROUND ELEVATION: 1103.12 GR. AT STAKE

SURFACE HOLE FOOTAGE: 282' FNL - 210' FEL

SECTION: 10 TOWNSHIP: 16N RANGE: 6W

KINGFISHER COUNTY, STATE: OK

SURFACE HOLE DATA

STATE PLANE COORDINATES: GPS DATUM: NAD27

ZONE: OK-NORTH NAD27 LAT: 35.88475595

X: 2054295.6 LONG: -97.81671505

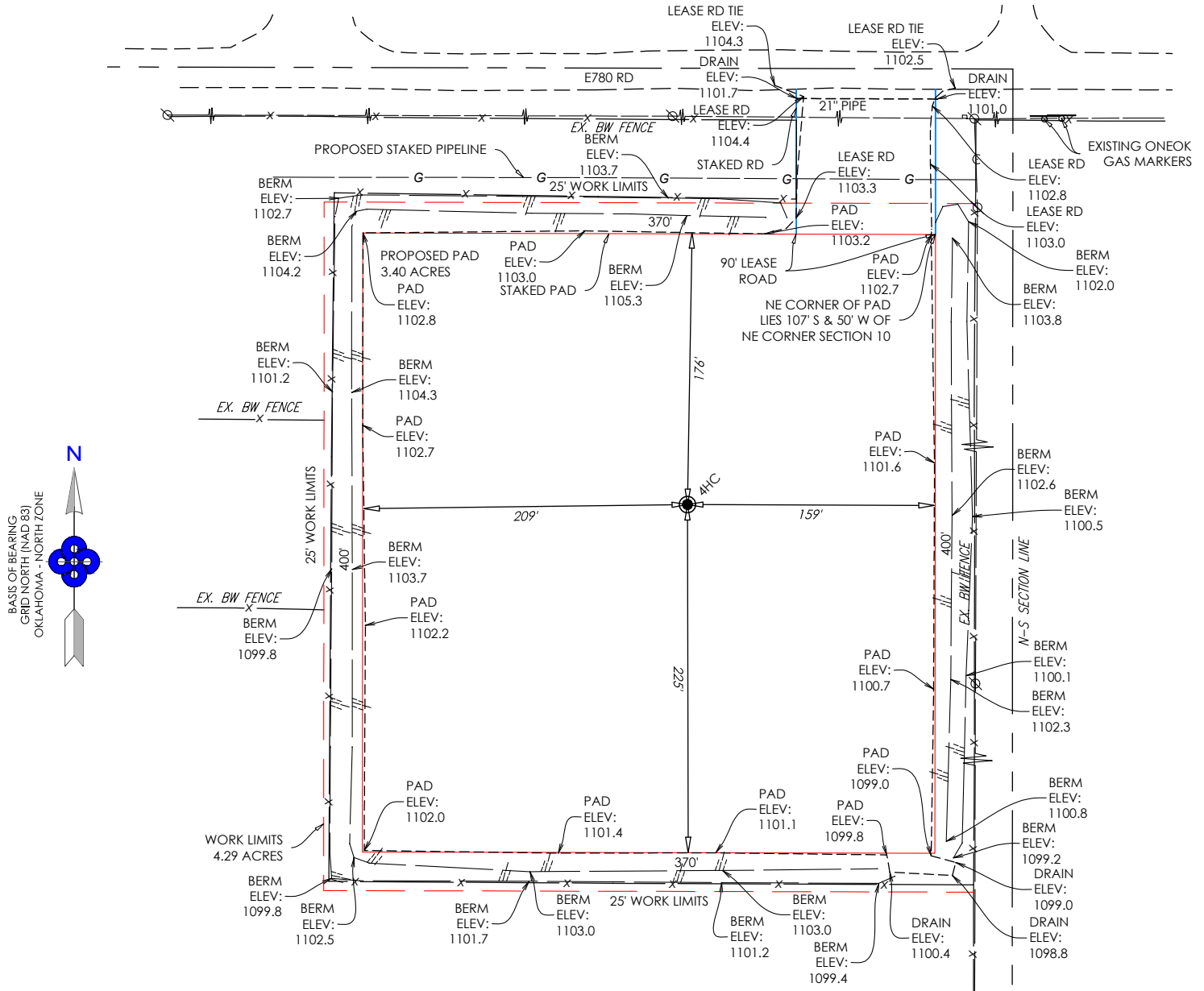
Y: 322108.8

STATE PLANE COORDINATES: GPS DATUM: NAD83

ZONE: OK-NORTH NAD83 LAT: 35.88479925

X: 2022696.9 LONG: -97.81704399

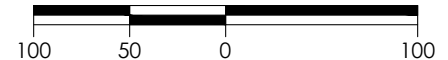
Y: 322132.9



NOTES:

- THIS PROPOSED PLAT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY
- THE FOOTAGES AND TIES SHOWN HEREON ARE FROM LINES OF OCCUPATION AND MAY NOT BE FROM ACTUAL PROPERTY CORNERS.
- INFORMATION SHOWN HEREON IS IN NAD83 WITH NAVD88 ELEVATIONS
- INFORMATION SHOWN HEREON IS FOR CONSTRUCTION PURPOSES ONLY

GRAPHIC SCALE IN FEET



RUTH 10-16-6 4HC

REVISION DATE:

ASBUILT PAD
PART OF THE NE/4 OF
SECTION 10, 16N, 6W
KINGFISHER COUNTY, OKLAHOMA

300 Pointe Parkway Blvd
Yukon, OK 73099

405.787.6270 t 405.787.6276 f
www.craftontull.com



Crafton Tull

® SURVEYING
CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2020

SCALE: 1" = 100'

PLOT DATE: 12-19-2019

DRAWING:

DRAWN BY:

21611600-PD-PR

DW

SHEET NO.: 1 OF 1