API NUMBER: 129 24125

Horizontal Hole Oil & Gas

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

Approval Date: 03/14/2019
Expiration Date: 09/14/2020

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 13N Rge: 25W County: ROGER MILLS

SPOT LOCATION: NW SW SW SE FEET FROM QUARTER: FROM **SOUTH** FROM **EAST**
SECTION LINES: **390** **2530**

Lease Name: BIG SHOW USA **Well No: 1H-1213** **Well will be 390 feet from nearest unit or lease boundary.**

Operator Name: **LE NORMAN OPERATING LLC** Telephone: 4055481200 OTC/OCC Number: 22738 0

LE NORMAN OPERATING LLC
4700 GAILLARDIA PKWY STE 200
OKLAHOMA CITY, OK 73142-1839

EDDA JOANNE HARRISON
9575 NORTH1802 ROAD
CHEYENNE OK 73628

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

	Name	Depth		Name	Depth
1	TONKAWA	9200	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 126799
690600

Location Exception Orders:

Increased Density Orders: 689294

Pending CD Numbers: 201806948
201806949

Special Orders:

Total Depth: 19405 Ground Elevation: 2205 **Surface Casing: 700** Depth to base of Treatable Water-Bearing FM: 540

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

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits
Type of Mud System: WATER BASED
Chlorides Max: 30000 Average: 8000
Is depth to top of ground water greater than 10ft below base of pit? Y
Within 1 mile of municipal water well? Y
Wellhead Protection Area? Y
Pit **is** located in a Hydrologically Sensitive Area.
Category of Pit: C
Liner not required for Category: C
Pit Location is OTHER HSA
Pit Location Formation: DOXEY

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35314
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: 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? Y

Wellhead Protection Area? Y

Pit **is** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is OTHER HSA

Pit Location Formation: DOXEY

HORIZONTAL HOLE 1

Sec 13 Twp 13N Rge 25W County ROGER MILLS

Spot Location of End Point: W2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 2300

Depth of Deviation: 8620

Radius of Turn: 580

Direction: 180

Total Length: 9874

Measured Total Depth: 19405

True Vertical Depth: 9311

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
HYDRAULIC FRACTURING	9/7/2018 - G71 - OCC 165:10-3-10 REQUIRES: 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; 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: OCCEWEB.COM/OG/OGFORMS.HTML; AND, 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
INCREASED DENSITY - 689294	3/14/2019 - G58 - 12-13N-25W X126799 TNKW 1 WELL LE NORMAN OPERATING LLC 1/7/2019
MEMO	9/7/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CROTON CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

Category	Description
PENDING CD - 201806948	10/4/2018 - G58 - (I.O.) 12 & 13-13N-25W EST MULTIUNIT HORIZONTAL WELL X126799 TNKW, OTHERS 12-13N-25W X126799 OTHERS 13-13N-25W X690600 TNKW 13-13N-25W 50% 12-13N-25W 50% 13-13N-25W NO OP. NAMED REC 12/7/2018 (MILLER)
PENDING CD - 201806949	10/4/2018 - G58 - (I.O.) 12 & 13-13N-25W X126799 TNKW, OTHERS 12-13N-25W X126799 OTHERS 13-13N-25W X690600 TNKW 13-13N-25W SHL 390' FSL, 2350' FEL OF 1-13N-25W COMPL. INT. 12-13N-25W NCT 330' FNL, NCT 0' FSL, NCT 1980' FWL COMPL. INT. 13-13N-25W NCT 0' FNL, NCT 330' FSL, NCT 1980' FWL NO OP. NAMED REC 12/7/2018 (MILLER)
PUBLIC WATER SUPPLY WELL	9/7/2018 - G71 - CROTON CREEK RANCH - 1 PWS/WPA, SE/4 2-13N-25W
SPACING - 126799	10/4/2018 - G58 - (640) 12 & 13-13N-25W EST TNKW, OTHERS EST OTHERS (VAC SEC 13 BY 201806947)
SPACING - 690600	3/14/2019 - G58 - (640)(HOR) 13-13N-25W VAC 126799/160685 TNKW EST TNKW POE TO BHL NCT 660' FB

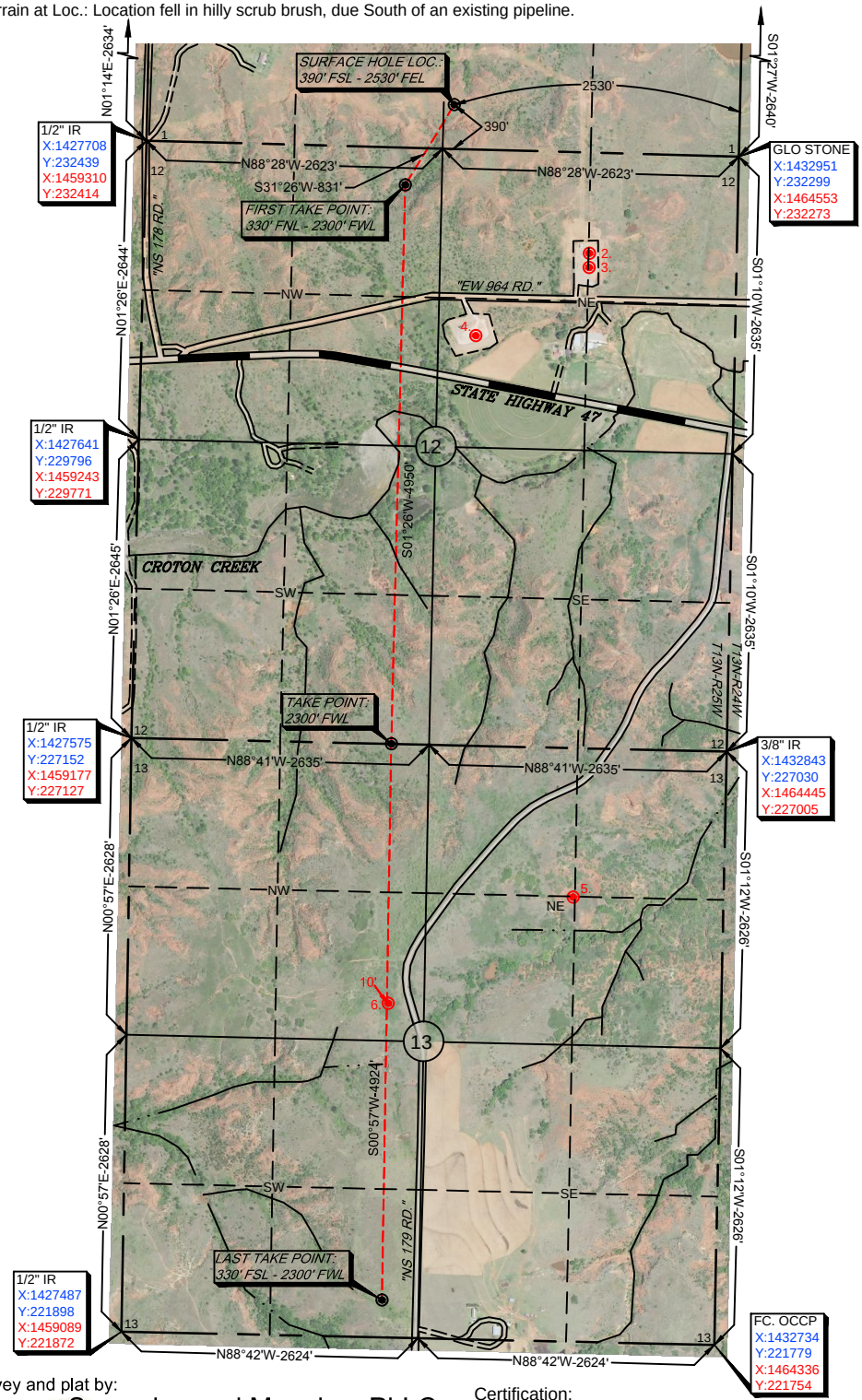
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Well Location Plat

S.H.L. Sec. 1-13N-25W I.M.
B.H.L. Sec. 13-13N-25W I.M.

Operator: LE NORMAN OPERATING, LLC
Lease Name and No.: BIG SHOW USA 1H-1213
Footage: 390' FSL - 2530' FEL Gr. Elevation: 2205'
Section: 1 Township: 13N Range: 25W I.M.
County: Roger Mills State of Oklahoma
Terrain at Loc.: Location fell in hilly scrub brush, due South of an existing pipeline.

129-24125



All bearings shown are grid bearings.

BASIS OF ELEVATION: OPUS SOLUTION

BASIS OF BEARING: GRID NORTH - NAD 83 STATE PLANE - OK NORTH ZONE

0' 750' 1500' 2250'

1"=1500'

GPS DATUM
NAD 83
NAD 27
OK NORTH ZONE

Surface Hole Loc.: Lat: 35.62562483 Lon: -99.81055876 X: 1430432 Y: 232756	Surface Hole Loc.: Lat: 35.62557698 Lon: -99.81017194 X: 1462034 Y: 232731
First Take Point: Lat: 35.62365615 Lon: -99.81197171 X: 1429998 Y: 232048	First Take Point: Lat: 35.62360827 Lon: -99.81158488 X: 1461600 Y: 232022
Take Point: Lat: 35.61005722 Lon: -99.81207828 X: 1429874 Y: 227099	Take Point: Lat: 35.61000923 Lon: -99.81169171 X: 1461476 Y: 227074
Last Take Point: Lat: 35.59653036 Lon: -99.81204528 X: 1429792 Y: 222176	Last Take Point: Lat: 35.59648224 Lon: -99.81165893 X: 1461394 Y: 222150

-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 #7702
Date Staked: 03/15/18 By: J.W.
Date Drawn: 03/19/18 By: J.H.
Add Alt. Bore: 08/24/18 By: R.M.

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.

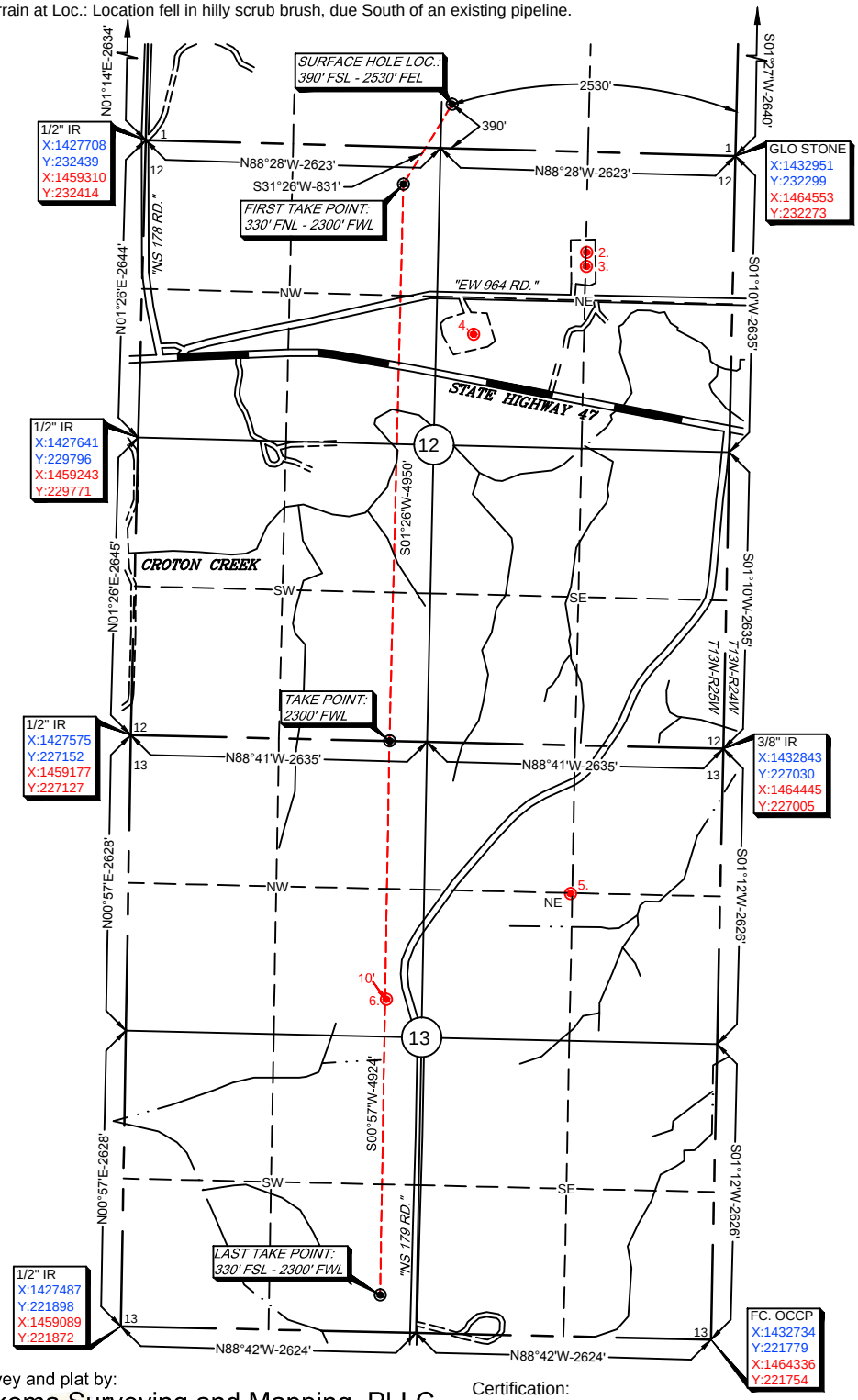
08/24/18
LANCE G. MATHIS OK LPLS 1664

PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
OKLAHOMA

Well Location Plat

S.H.L. Sec. 1-13N-25W I.M.
B.H.L. Sec. 13-13N-25W I.M.

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Terrain at Loc.: Location fell in hilly scrub brush, due South of an existing pipeline.



All bearings shown are grid bearings.

BASIS OF ELEVATION: OPUS SOLUTION

BASIS OF BEARING: GRID NORTH - NAD 83 STATE PLANE - OK NORTH ZONE

0' 750' 1500' 2250'

1"=1500'

GPS DATUM
NAD 83
NAD 27
OK NORTH ZONE

Surface Hole Loc.:	Surface Hole Loc.:
Lat: 35.62562483	Lat: 35.62557698
Lon: -99.81055876	Lon: -99.81017194
X: 1430432	X: 1462034
Y: 232756	Y: 232731
First Take Point:	First Take Point:
Lat: 35.62365615	Lat: 35.62360827
Lon: -99.81197171	Lon: -99.81158488
X: 1429998	X: 1461600
Y: 232048	Y: 232022
Take Point:	Take Point:
Lat: 35.61005722	Lat: 35.61000923
Lon: -99.81207828	Lon: -99.81169171
X: 1429874	X: 1461476
Y: 227099	Y: 227074
Last Take Point:	Last Take Point:
Lat: 35.59653036	Lat: 35.59648224
Lon: -99.81204528	Lon: -99.81165893
X: 1429792	X: 1461394
Y: 222176	Y: 222150

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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: 03/15/18 By: J.W.
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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.

08/24/18

LANCE G. MATHIS OK LPLS 1664

LICENSED PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
OKLAHOMA

LE NORMAN OPERATING LLC

Anti-Collision Info

S.H.L. Sec. 1-13N-25W I.M.
B.H.L. Sec. 13-13N-25W I.M.

Operator: LE NORMAN OPERATING, LLC
Lease Name and No.: BIG SHOW USA 1H-1213
Footage: 390' FSL - 2530' FEL Gr. Elevation: 2205'
Section: 1 Township: 13N Range: 25W I.M.
First Take Point: 330' FNL - 2300' FWL
Take Point: 2300' FWL
Section: 12 Township: 13N Range: 25W I.M.
Last Take Point: 330' FSL - 2300' FWL
Section: 13 Township: 13N Range: 25W I.M.
County: Roger Mills State of Oklahoma

SECTION 1-13N-25W

1. BURLINGTON RES. OIL & GAS LP
BERRY 3
1320' FSL - 1320' FWL (NE/4)
OCC STATUS: AC

SECTION 12-13N-25W

2. BURLINGTON RES. OIL & GAS LP *BERRY 2R-12* *1745' FSL - 1320' FWL (NE/4)* *OCC STATUS: AC*	3. BURLINGTON RES. OIL & GAS LP *BERRY 2-12* *1620' FSL - 1320' FWL (NE/4)* *OCC STATUS: PA*	4. REDLAND RESOURCES LLC *PIERCE 1-12* *990' FSL - 330' FWL (NE/4)* *OCC STATUS: AC*

SECTION 13-13N-25W

5. TRIGG DRILLING COMPANY INC. *USA 1-13* *1320' FNL - 1300' FWL (NE/4)* *OCC STATUS: PA*	6. COQUINA OIL CORPORATION *USA DEMPSEY 1* *330' FSL - 2310' FWL (NW/4)* *OCC STATUS: PA*

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

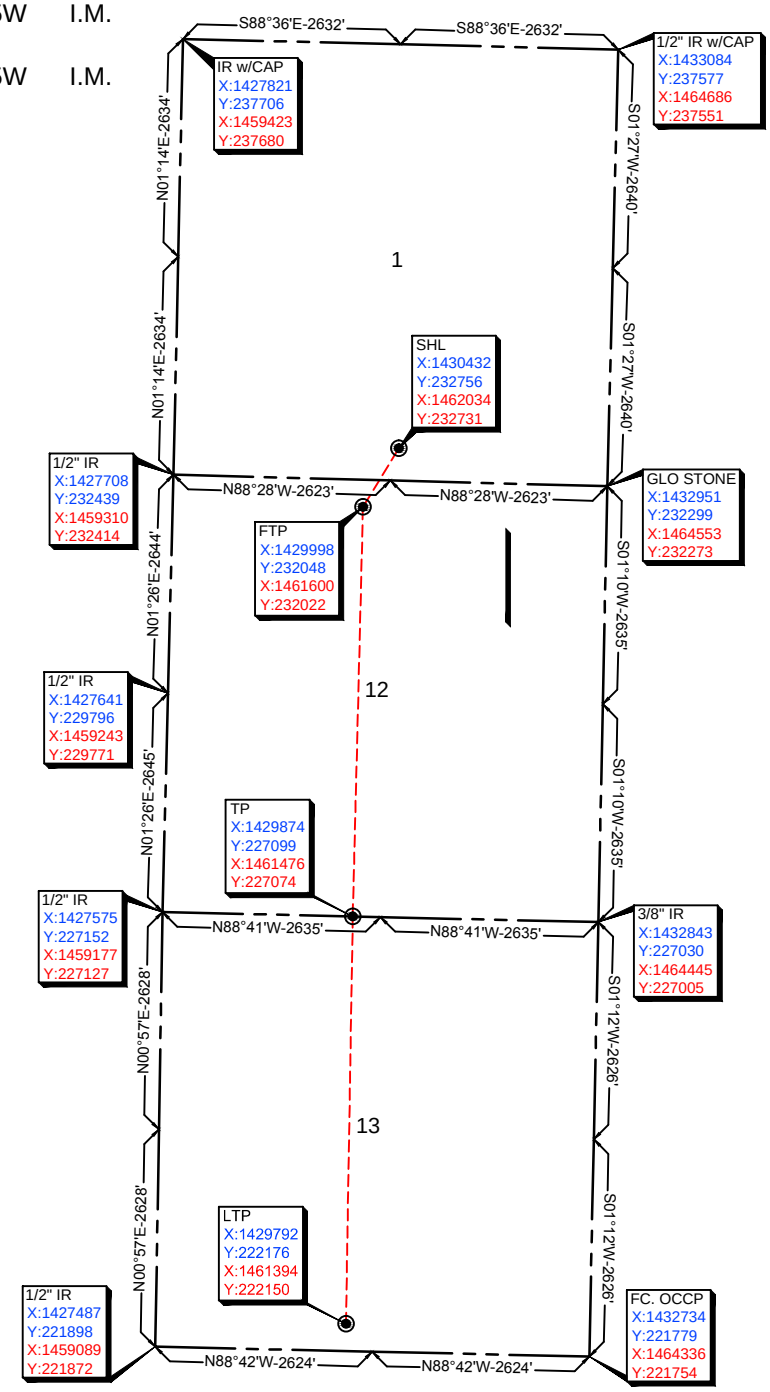
Invoice #7702
Date Staked: 03/15/18 By: J.W.
Date Drawn: 03/19/18 By: J.H.
Add Alt. Bore: 08/24/18 By: R.M.

NOTE
ALL ANTI-COLLISION INFORMATION SHOWN HEREON WAS PROVIDED BY THE OCC WEBSITE. WELLS HAVE NOT BEEN SHOT ON THE GROUND.

X & Y Data Sheet

S.H.L. Sec. 1-13N-25W I.M.
B.H.L. Sec. 13-13N-25W I.M.

Operator: LE NORMAN OPERATING, LLC
Lease Name and No.: BIG SHOW USA 1H-1213
Footage: 390' FSL - 2530' FEL Gr. Elevation: 2205'
Section: 1 Township: 13N Range: 25W I.M.
First Take Point: 330' FNL - 2300' FWL
Take Point: 2300' FWL
Section: 12 Township: 13N Range: 25W I.M.
Last Take Point: 330' FSL - 2300' FWL
Section: 13 Township: 13N Range: 25W I.M.
County: Roger Mills State of Oklahoma



NO SCALE
GPS DATUM
NAD 83
NAD 27
OK NORTH ZONE

Provided by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030

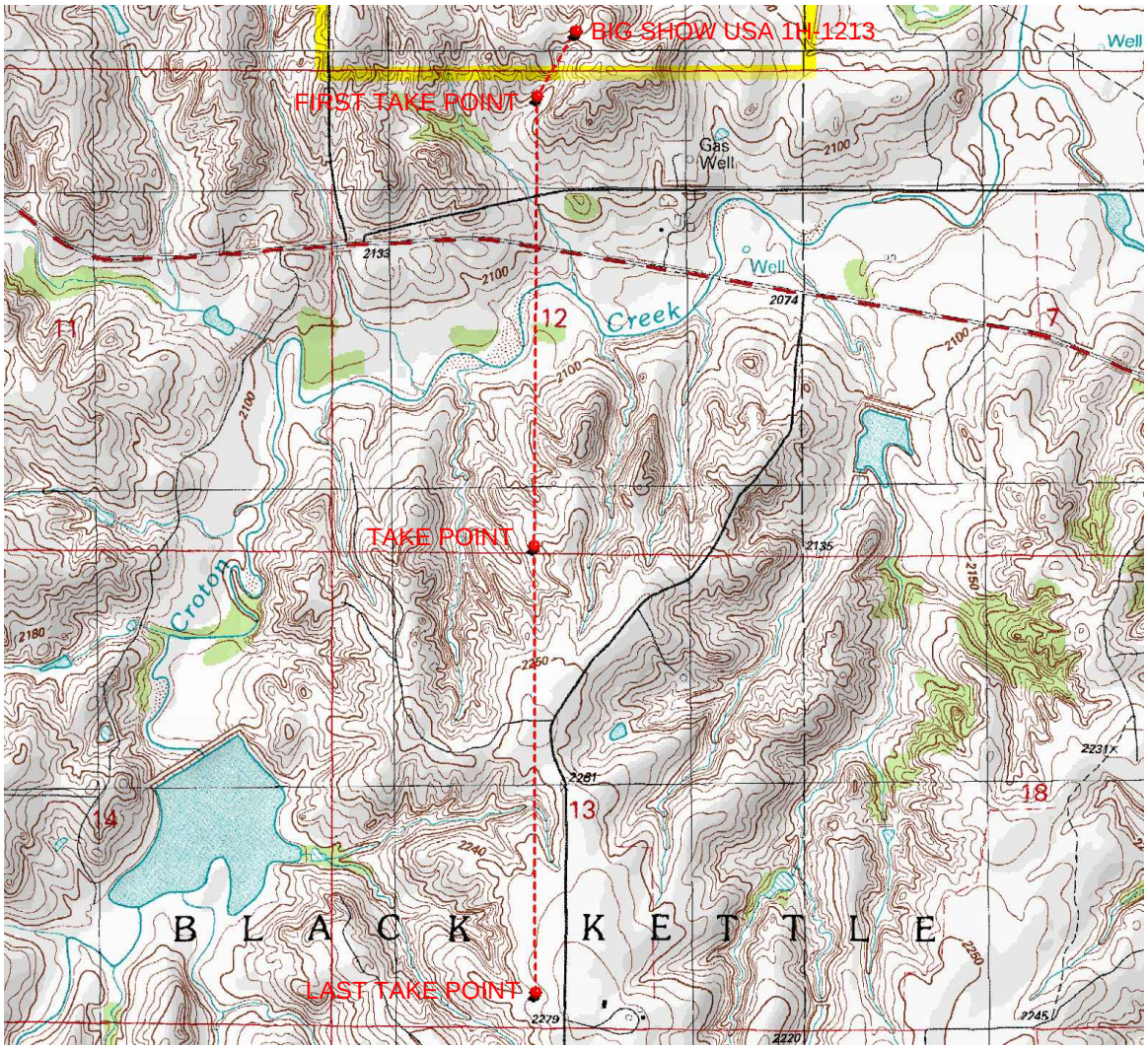
Certificate of Authorization No. 5348
Expires June 30, 2020

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.

Topographic Vicinity Map

Operator: LE NORMAN OPERATING, LLC
Lease Name and No.: BIG SHOW USA 1H-1213
Surface Hole Location: 390' FSL - 2530' FEL
Sec. 1 Twp. 13N Rng. 25W I.M.
First Take Point: 330' FNL - 2300' FWL
Take Point: 2300' FWL
Sec. 12 Twp. 13N Rng. 25W I.M.
Last Take Point: 330' FSL - 2300' FWL
Sec. 13 Twp. 13N Rng. 25W I.M.
County: Roger Mills State of Oklahoma
Ground Elevation at Surface Hole Location: 2205'

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, 2020

Date Staked: 03/15/18

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

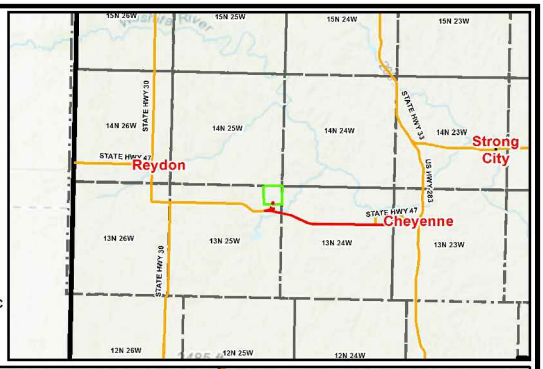
LE NORMAN OPERATING LLC

Job #: 7702
Operator: LE NORMAN OPERATING, LLC
Lease Name and No.: BIG SHOW USA 1H-1213

Accessibility: From the South.
Directions: From the junction of US HWY 283 & State HWY 47 in the town of Cheyenne, OK, go 8.5 miles West on State HWY 47, then go 0.5 miles Northeast on "EW 964 RD." to the Southeast Quarter of Section 1-13N-25W on the North side of the road.

1 inch = 1.5 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

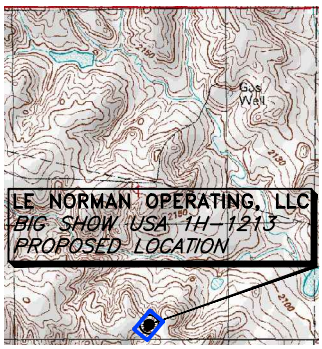


BIG SHOW USA 1H-1213
E0964 RD
STATE HWY 47
Cheyenne
E0910 RD
E0930 RD
E0940 RD
E0950 RD
D0950 RD
D0938 RD
E0990 RD
E1010 RD
E1020 RD
E1030 RD
N1780 RD
N1790 RD
N1800 RD
N1810 RD
N1820 RD
N1830 RD
N1840 RD
N1850 RD
N1860 RD
N1870 RD
D1792 RD
D1800 RD
D1820 RD
N 1840 RD
N 1830 RD
US HWY 283
MAIN ST
3RD
14N 25W
14N 24W
14N 23W
13N 25W
13N 24W
13N 23W
12N 25W
12N 24W
12N 23W
Washita Battlefield National Historic Site

EXISTING CONTOURS FOR A PROPOSED PAD SITE IN A PART OF THE S/2-S/2 SECTION 1, T13N-R25W, ROGER MILLS COUNTY, OKLAHOMA

S/2-S/2
SECTION 1
T 13 N - R 25 W

"BIG SHOW USA 1H-1213"
PROPOSED PAD SITE



VICINITY MAP
No Scale

GRID NORTH - NAD 83
STATE PLANE - OK NORTH ZONE

See Drawing #7702-RD
For Proposed Lease Road

Existing Enbridge P/L

Elev.= 2177'

95'

50'

Topsoil Stockpile 25' Wide

S49°57'E-300'

Topsoil Stockpile 25' Wide

N40°03'E-425'

N-S 1/4 Sec. Ln.

Proposed Pad
2.93 Acres

225'

Elev.= 2206'

200'

See Drawing #7702-PL
For Proposed Pipeline

LE NORMAN OPERATING, LLC
BIG SHOW USA 1H-1213
390' FSL-2530' FEL
Nat. Gr. Elev.=2205'

30'

95'

Elev.= 2210'

100'

S40°03'W-425'

Topsoil Stockpile 25' Wide

200'

N49°57'W-300'

Topsoil Stockpile 25' Wide

Elev.= 2183'

This Point Lies
171' N. &
2577' W. of the
SE Cor. Sec. 1.

S/2
SECTION 1-13N-25W
HARRISON, EDDA JOANNE

PROPOSED PAD SITE= 2.93 ACRES

CONTOUR INTERVAL: 6'

-NOTES-
* This Proposed Pad 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.
* Ownership shown hereon is provided by and/or verified with client.

LE NORMAN OPERATING, LLC
Oklahoma City, OK

SURV. BY: J.W. 03/15/18	SCALE: 1" = 100'
DRAWN BY: J.H. 03/19/18	JOB NO.: 7702
APPROVED BY: L.G.M.	DRAW. NO.: 7702-PADectr
SHEET 1 OF 1	SHEET SIZE: 8.5" X 11"

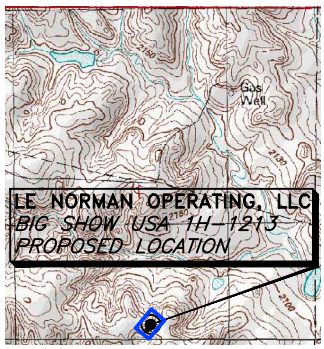
SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
(918)465-5711 P.O. Box 238 C.A. #5348,
(918)465-5030 fax Wilburton, OK 74578 EXP. DATE 6-30-20

NO.	REVISION DESCRIPTION	DATE

FINAL CONTOURS FOR A PROPOSED PAD SITE IN A PART OF THE S/2-S/2 SECTION 1, T13N-R25W, ROGER MILLS COUNTY, OKLAHOMA

"BIG SHOW USA 1H-1213" PROPOSED PAD SITE

S/2-S/2
SECTION 1
T 13 N - R 25 W



VICINITY MAP
No Scale

See Drawing #7702-RD
For Proposed Lease Road

Existing Enbridge P/L

N-S 1/4 Sec. Ln.

Proposed Pad
2.93 Acres

N40°03'E-425'

S49°57'E-300'

S40°03'W-425'

N49°57'W-300'

Fill
25'

Cut
4'

Cut
8'

Fill
19'

Silt Fence

Silt Fence

Topsoil Stockpile 25' Wide

See Drawing #7702-PL
For Proposed Pipeline

LE NORMAN OPERATING, LLC
BIG SHOW USA 1H-1213
390' FSL-2530' FEL
Nat. Gr. Elev.=2205'
Design Elev.=2202'
Cut=3'

This Point Lies
171' N. &
2577' W. of the
SE Cor. Sec. 1.

225'
200'
100'
200'

GRID NORTH - NAD 83
STATE PLANE - OK NORTH ZONE

S/2
SECTION 1-13N-25W
HARRISON, EDDA JOANNE

PROPOSED PAD SITE= 2.93 ACRES

CONTOUR INTERVAL: 6'

PAD DESIGN

Finished Pad Elev.=2202'
Cut Ratio= 3:1
Fill Ratio= 2:1
Cut Volume= 19,921 C.Y.
Fill Volume= 19,921 C.Y.
Total Disturbed Area=
3.82 Acres

-NOTES-
* This Proposed Pad Plat does not represent a true boundary survey.
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* Ownership shown hereon is provided by and/or verified with client.

LE NORMAN OPERATING, LLC
Oklahoma City, OK

SURV. BY: J.W. 03/15/18	SCALE: 1" = 100'
DRAWN BY: J.H. 03/19/18	JOB NO.: 7702
APPROVED BY: L.G.M.	DRAW. NO.: 7702-PADfctr
SHEET 1 OF 1	SHEET SIZE: 8.5" X 11"

NO.	REVISION DESCRIPTION	DATE

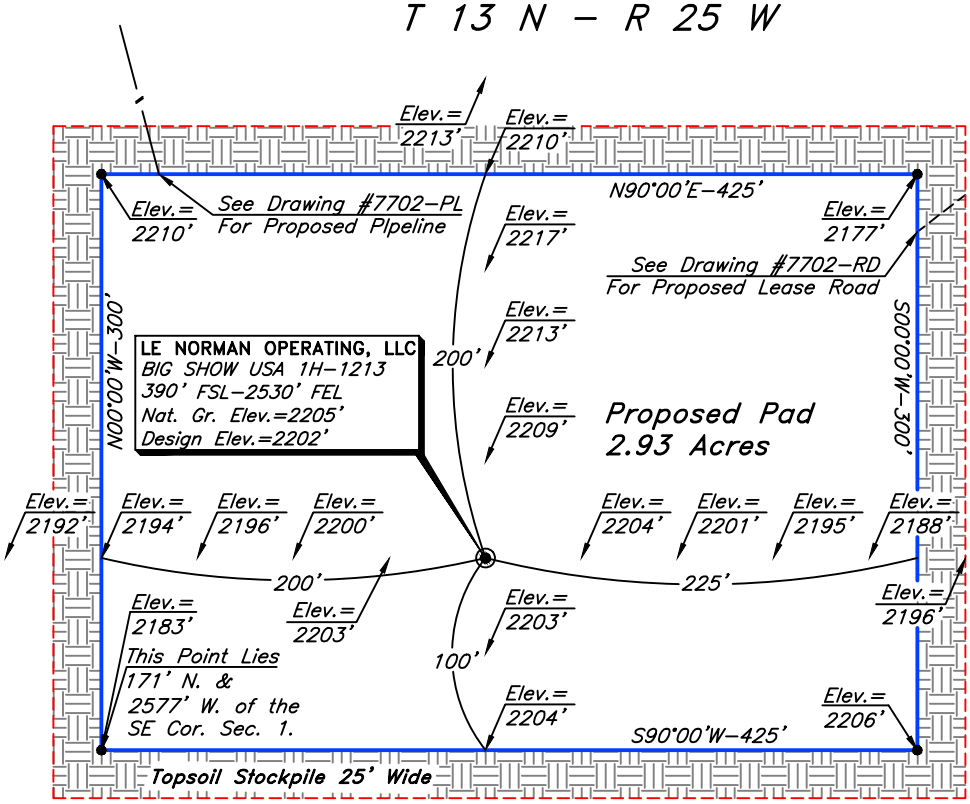
SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
(918)465-5711 P.O. Box 238 C.A. #5348,
(918)465-5030 fax Wilburton, OK 74578 EXP. DATE 6-30-20

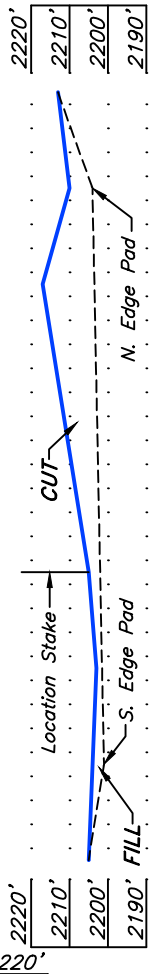
PROPOSED PAD SITE WITH ELEVATION CROSS-SECTION
N A PART OF THE S/2-S/2 SECTION 1, T13N-R25W, ROGER MILLS COUNTY, OKLAHOMA

S/2
SECTION 1-13N-25W
HARRISON, EDDA JOANNE

PROPOSED PAD SITE= 2.93 ACRES

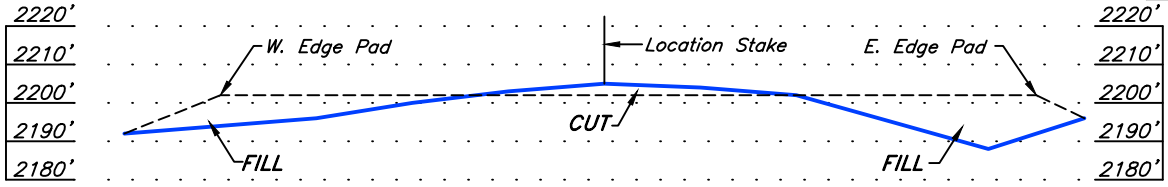
S/2-S/2
SECTION 1
T 13 N - R 25 W



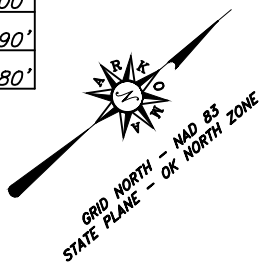


N-S CROSS SECTION OF PAD AREA
Scales:
Horizontal: 1" = 100'
Vertical: 1" = 50'

Elev.= 2205'



E-W CROSS SECTION OF PAD AREA
Scales:
Horizontal: 1" = 100'
Vertical: 1" = 50'



-NOTES-
* This Proposed Pad 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.
* Ownership shown hereon is provided by and/or verified with client.
* Elevations shown hereon are at 50' intervals.

LE NORMAN OPERATING, LLC
Oklahoma City, OK

SURV. BY: J.W. 03/15/18	SCALE: 1" = 100'
DRAWN BY: J.H. 03/09/18	JOB NO.: 7702
APPROVED BY: L.G.M	DRAW. NO.: 7702-CROSS
SHEET 1 OF 1	SHEET SIZE: 8.5" X 11"

SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
(918)465-5711 P.O. Box 238 C.A. #5348,
(918)465-5030 fax Wilburton, OK 74578 EXP. DATE 6-30-20

NO.	REVISION DESCRIPTION	DATE	BY

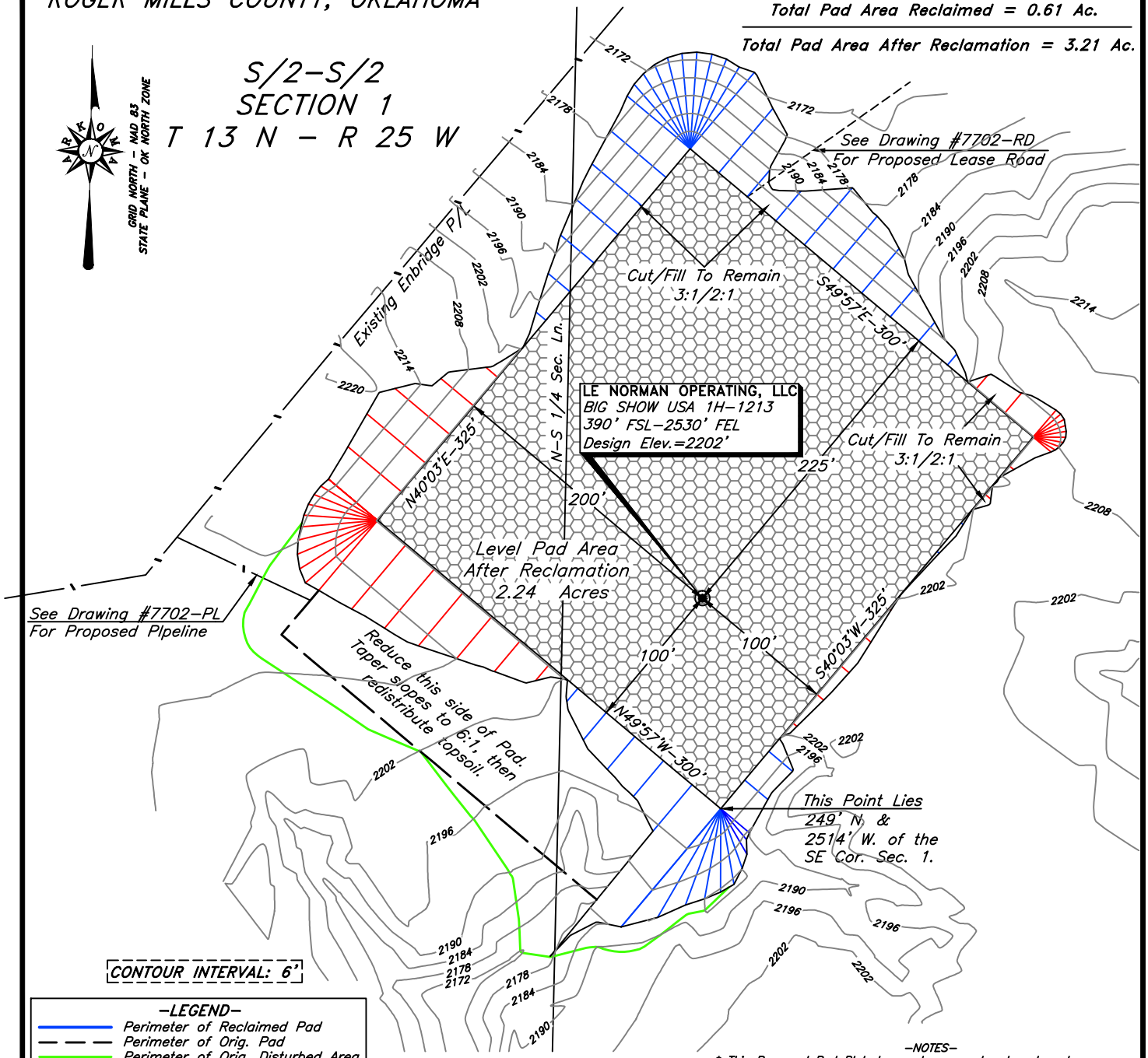
RECLAMATION PLAT
FOR A PROPOSED PAD SITE IN A S/2-S/2 SECTION 1, T13N-R25W, ROGER MILLS COUNTY, OKLAHOMA

RECLAIMED PAD DATA
Finished Pad Elev. = 2202'
Cut Ratio = As Shown
Fill Ratio = As Shown
Total Disturbed Area of Pad Site = 3.82 Ac.
Total Pad Area Reclaimed = 0.61 Ac.

Total Pad Area After Reclamation = 3.21 Ac.

S/2-S/2
SECTION 1
T 13 N - R 25 W

GRID NORTH - NAD 83
STATE PLANE - OK NORTH ZONE



CONTOUR INTERVAL: 6'

-LEGEND-
- Perimeter of Reclaimed Pad
- Perimeter of Orig. Pad
- Perimeter of Orig. Disturbed Area
- Gravel Surface

-NOTES-
* This Proposed Pad 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.

LE NORMAN OPERATING, LLC
Oklahoma City, OK

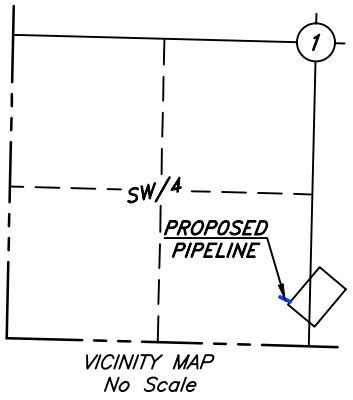
SURV. BY: J.W. 03/15/18	SCALE: 1" = 100'
DRAWN BY: J.H. 03/29/18	JOB NO.: 7702
APPROVED BY: L.G.M	DRAW. NO.: 7702-RCLM
SHEET 1 OF 1	SHEET SIZE: 8.5" X 11"

NO.	REVISION DESCRIPTION	DATE	BY

SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
(918)465-5711 P.O. Box 238 C.A. #5348,
(918)465-5030 fax Wilburton, OK 74578 EXP. DATE 6-30-20

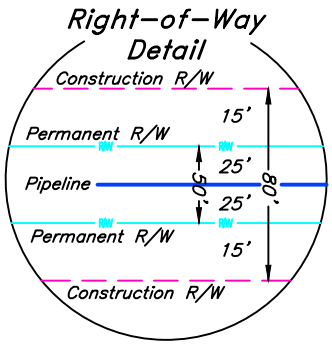
PROPOSED PIPELINE IN A PART OF THE SE/4–SW/4 SECTION 1, T13N–R25W, ROGER MILLS COUNTY, OKLAHOMA

"BIG SHOW USA 1H–1213"
PROPOSED SWD PIPELINE

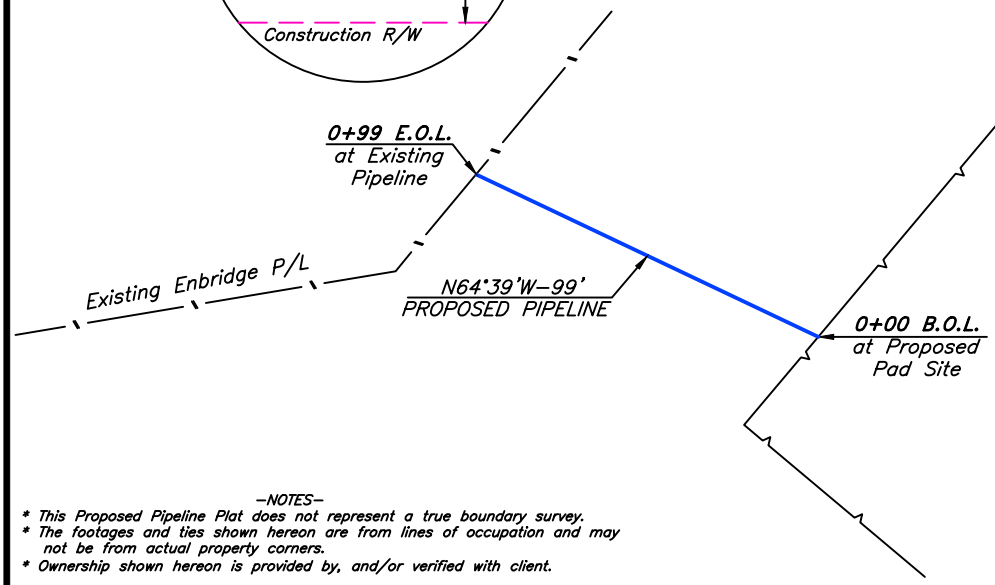


VICINITY MAP
No Scale

GRID NORTH – NAD 83
STATE PLANE – OK NORTH ZONE



SE/4–SW/4
SECTION 1
T 13 N – R 25 W



See Drawing #7702–PADectr
For Proposed Pad Site

LE NORMAN OPERATING, LLC
BIG SHOW USA 1H–1213
PROPOSED LOCATION

0+99 E.O.L. at Existing Pipeline
E.O.L. lies 421' N. & 2364' E.
of the SW Corner Section 1.

0+00 B.O.L. on Proposed Pad Site
B.O.L. lies 382' N. & 2454' E.
of the SW Corner Section 1.

–NOTES–
* This Proposed Pipeline 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.
* Ownership shown hereon is provided by, and/or verified with client.

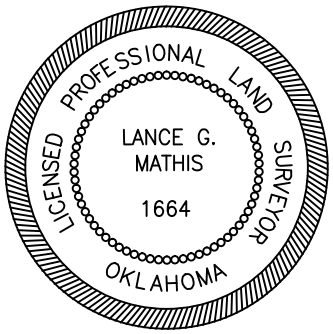
CENTERLINE DESCRIPTION OF A PROPOSED PIPELINE LOCATED IN A PART OF THE SE/4–SW/4 SECTION 1, T13N–R25W OF THE INDIAN MERIDIAN, ROGER MILLS COUNTY OKLAHOMA:

BEGINNING at a point on an Proposed Pad Site, said point being 382 feet North and 2454 feet East of the Southwest Corner of said Section 1;
Thence N64°39'W 99 feet to and ending at a point on an Existing Pipeline, said point being 421 feet North and 2364 feet East of the Southwest Corner of said Section 1.

TOTAL LENGTH = 99' OR 6.00 RODS

CERTIFICATION:
This is to certify that this Proposed Pipeline plat represents the results of a survey made on–the–ground performed under the supervision of the undersigned.

LANCE G. MATHIS — 08/24/18
L.P.L.S. #1664



LE NORMAN OPERATING, LLC
Oklahoma City, OK

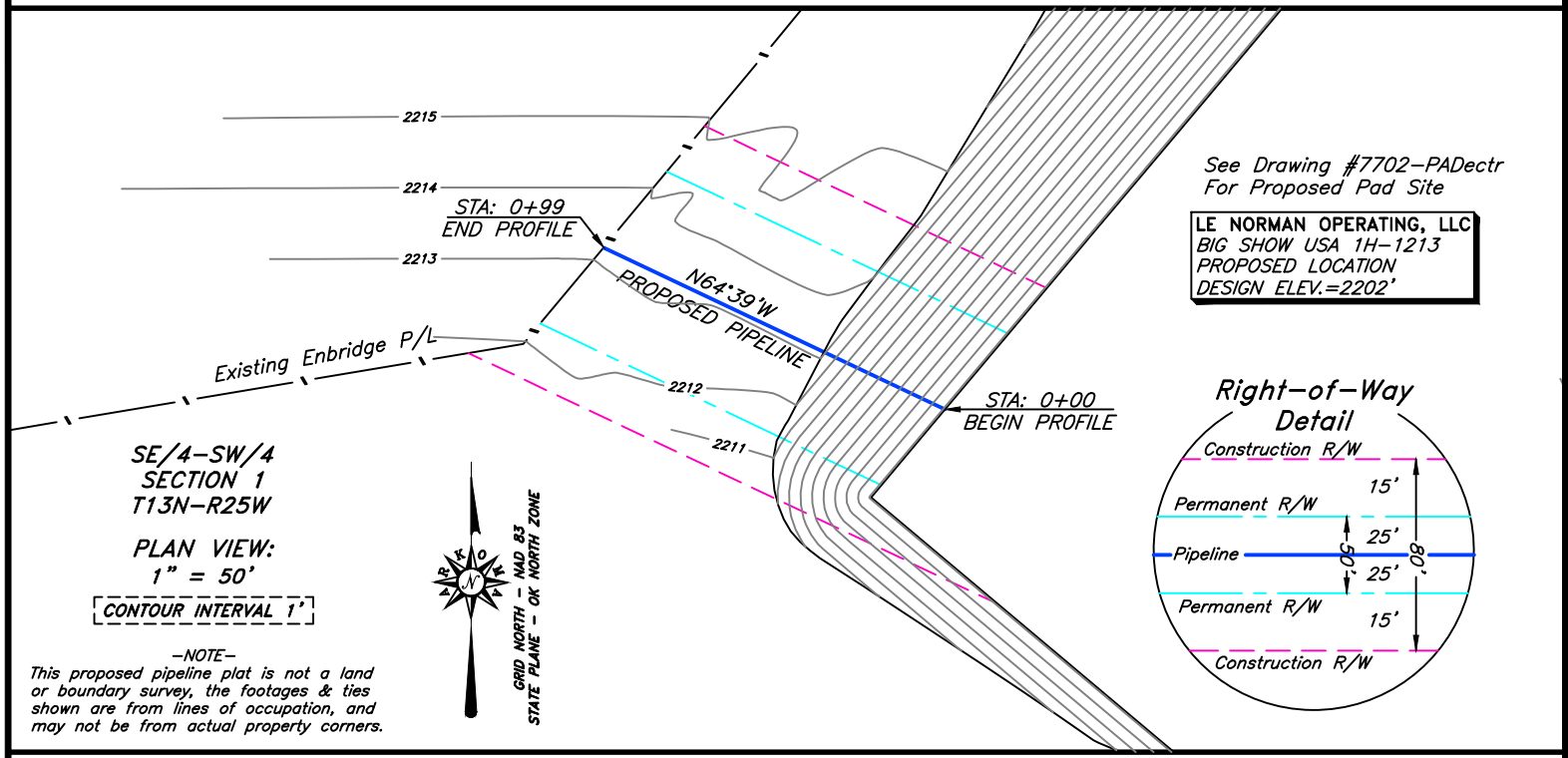
SURV. BY: J.W. 03/15/18	SCALE: 1" = 50'
DRAWN BY: J.H. 03/20/18	JOB NO.: 7720
APPROVED BY: L.G.M	DRAW. NO.: 7720–PL
SHEET 1 OF 1	SHEET SIZE: 8.5" X 11"

SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
(918)465–5711 P.O. Box 238 C.A. #5348,
(918)465–5030 fax Wilburton, OK 74578 EXP. DATE 6–30–20

NO.	REVISION DESCRIPTION	DATE	BY

PLAN AND PROFILE
OF PROPOSED SWD PIPELINE IN A PART OF THE SE/4-SW/4 SECTION 1, T13N-R25W, ROGER MILLS COUNTY, OKLAHOMA

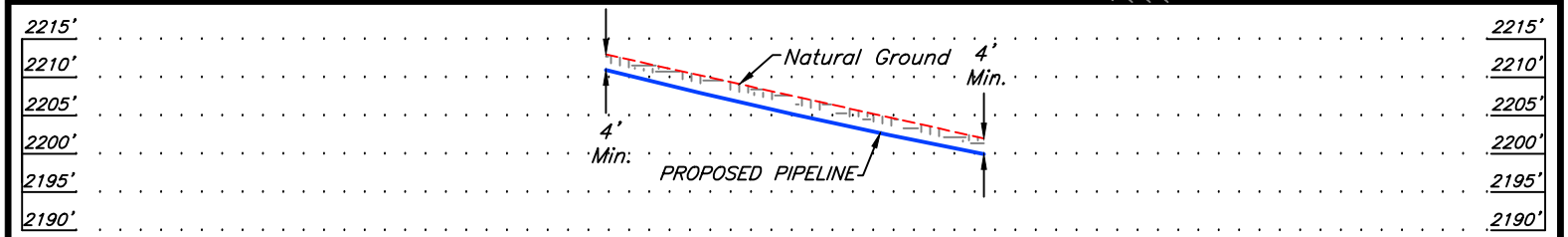
"BIG SHOW USA 1H-1213"
PIPELINE PROFILE



See Drawing #7702-PADectr
For Proposed Pad Site

LE NORMAN OPERATING, LLC
BIG SHOW USA 1H-1213
PROPOSED LOCATION
DESIGN ELEV.=2202'

-NOTE-
This proposed pipeline plat is not a land or boundary survey, the footages & ties shown are from lines of occupation, and may not be from actual property corners.



Note:
This "Plan and Profile" is for informational purposes only and does not represent any design work for a potential bore, but rather to provide the elevation data for client to decide if a bore is necessary. Please contact Arkoma Surveying and Mapping if a "Bore Design Plat" is needed.

PROFILE VIEW
Scales:
Horizontal: 1" = 50'
Vertical: 1" = 25'

SCALE: 1" = 50'	
JOB NO.: 7720	
DRAW. NO.: 7720-PLPLAN	
SHEET SIZE: 8.5" X 11"	

NO.	REVISION DESCRIPTION	DATE	BY

SURV. BY: J.W.	07/19/17
DRAWN BY: J.H.	07/28/17
APPROVED BY: L.G.M.	
SHEET 1 OF 1	

LE NORMAN OPERATING, LLC
Oklahoma City, OK

SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
P.O. Box 238 Wilburton, OK 74578
(918)465-5711 (918)465-5030 fax
C.A. #5348, EXP. DATE 6-30-20

PROPOSED LEASE ROAD IN A PART OF THE NE/4 SECTION 12 & THE SE/4 SECTION 1, T13N–R25W, ROGER MILLS COUNTY, OKLAHOMA

"BIG SHOW USA 1H–1213"
PROPOSED LEASE ROAD
OVERALL VIEW
(Sheet 1 of 2)

GRID NORTH – NAD 83
STATE PLANE – OK NORTH ZONE

T 13 N – R 25 W

31+90 E.O.L. at Proposed Pad Site
E.O.L. lies 659' N. & 2507' W.
of the SE Corner Section 1.

29+14 P.I. ∠ 26°23' Lt.

27+65 P.I. ∠ 33°50' Lt.

19+94 P.I. ∠ 66°18' Lt.

18+51 P.I. ∠ 1°00' Rt.

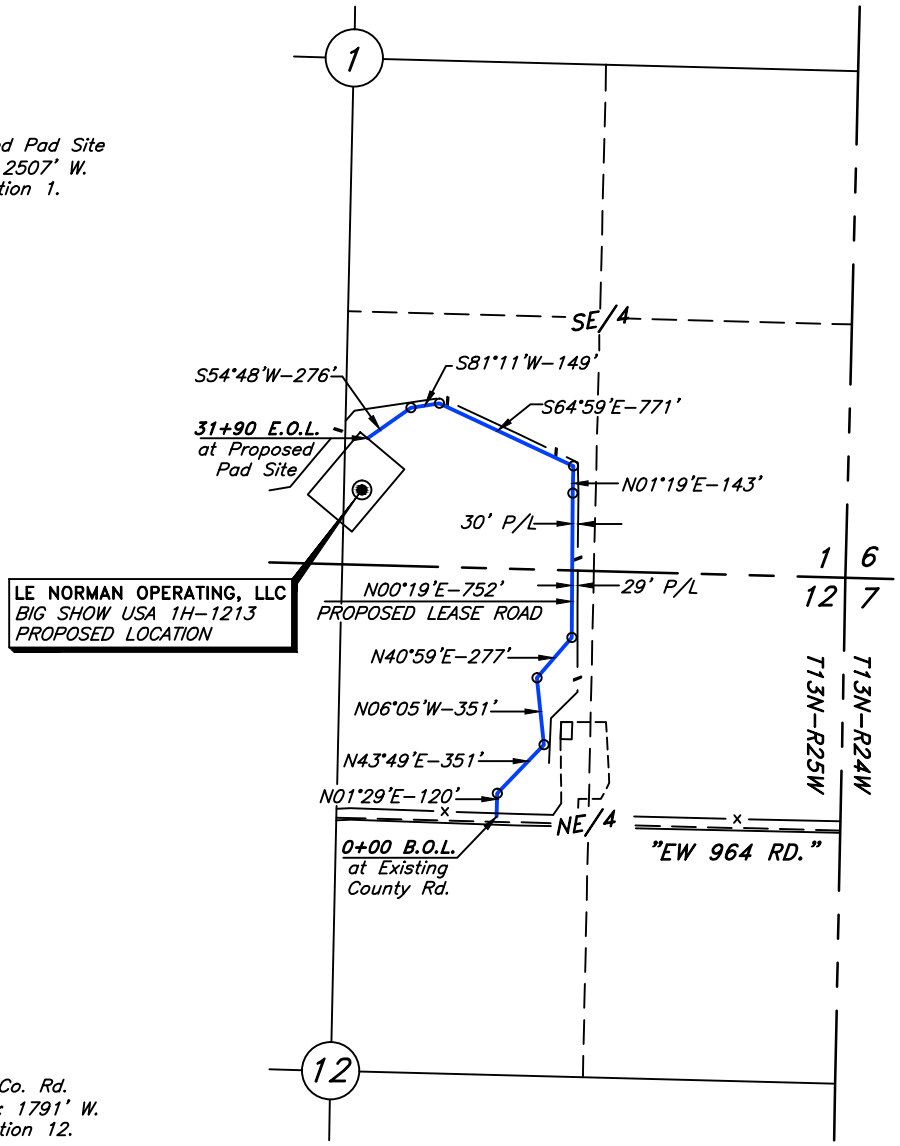
10+99 P.I. ∠ 40°40' Lt.

8+22 P.I. ∠ 47°04' Rt.

4+71 P.I. ∠ 49°53' Lt.

1+20 P.I. ∠ 42°20' Rt.

0+12 E–W ROW Fence
0+00 B.O.L. at Existing Co. Rd.
B.O.L. lies 1292' S. & 1791' W.
of the NE Corner Section 12.



LE NORMAN OPERATING, LLC Oklahoma City, OK	SURV. BY: J.W. 03/26/18	SCALE: 1" = 1000'	
	DRAWN BY: J.H. 03/28/18	JOB NO.: 7702	
	APPROVED BY: L.G.M	DRAW. NO.: 7702–RD	
	SHEET 1 OF 2	SHEET SIZE: 8.5" X 11"	

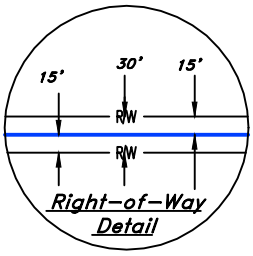
SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
(918)465–5711 P.O. Box 238 C.A. #5348,
(918)465–5030 fax Wilburton, OK 74578 EXP. DATE 6–30–20

NO.	REVISION DESCRIPTION	DATE	BY

PROPOSED LEASE ROAD IN A PART OF
THE NE/4 SECTION 12 & THE SE/4 SECTION 1,
T13N–R25W, ROGER MILLS COUNTY, OKLAHOMA

"BIG SHOW USA 1H–1213"
PROPOSED LEASE ROAD
OVERALL VIEW
(Sheet 2 of 2)

T 13 N – R 25 W



TOTAL PROPOSED LEASE ROAD LENGTH= 3190' OR 193.33 RODS

–NOTES–
* This Proposed Lease Road route 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.
* Ownership shown hereon is provided by and/or verified with client.

CENTERLINE DESCRIPTION OF A PROPOSED LEASE ROAD LOCATED IN A PART OF THE NE/4 SECTION 12 AND THE SE/4 SECTION 1, T13N–R25W OF THE INDIAN MERIDIAN, ROGER MILLS COUNTY, OKLAHOMA:

BEGINNING at a point on an Existing County Road, said point being 1292 feet South and 1791 feet West of the Northeast Corner of said Section 12;
Thence N01°29'E 120 feet; Thence N43°49'E 351 feet; Thence N06°05'W 351 feet; Thence N40°59'E 277 feet; Thence N00°19'E 752 feet; Thence N01°19'E 143 feet; Thence S64°59'E 771 feet; Thence S81°11'W 149 feet; Thence S54°48'W 276 feet to and ending at a point on a Proposed Pad Site, said point being 659 feet North and 2507 feet West of the Southeast Corner of said Section 1.

TOTAL LENGTH = 3190' OR 193.33 RODS

CERTIFICATION:
This is to certify that this Proposed Lease Road plat represents the results of a survey made on–the–ground performed under the supervision of the undersigned.

PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
LICENSED
OKLAHOMA

08/24/18

LANCE G. MATHIS L.P.L.S. #1664

LE NORMAN OPERATING, LLC
Oklahoma City, OK

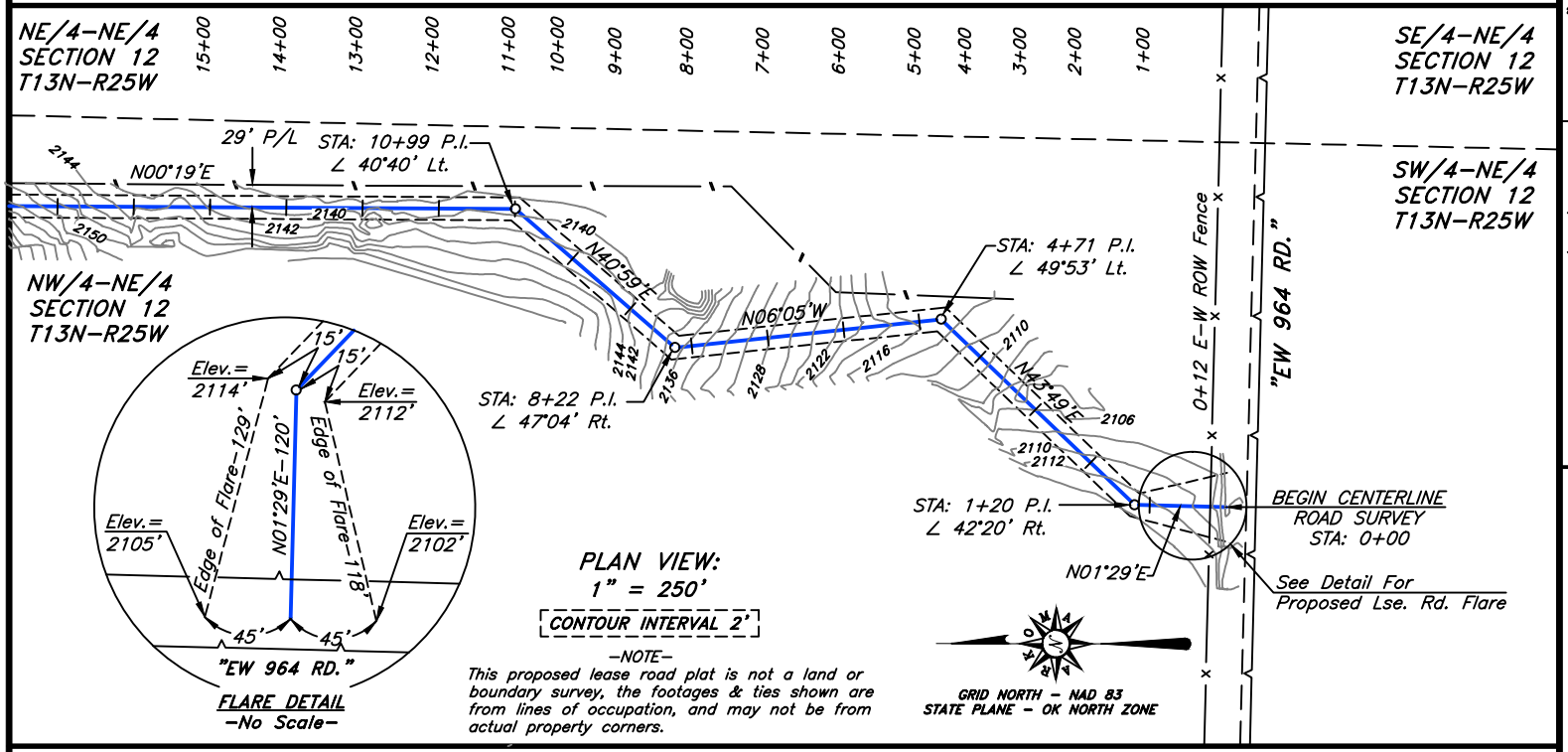
SURV. BY: J.W. 03/26/18	SCALE: 1" = 1000'
DRAWN BY: J.H. 03/28/18	JOB NO.: 7702
APPROVED BY: L.G.M	DRAW. NO.: 7702–RD
SHEET 2 OF 2	SHEET SIZE: 8.5" X 11"

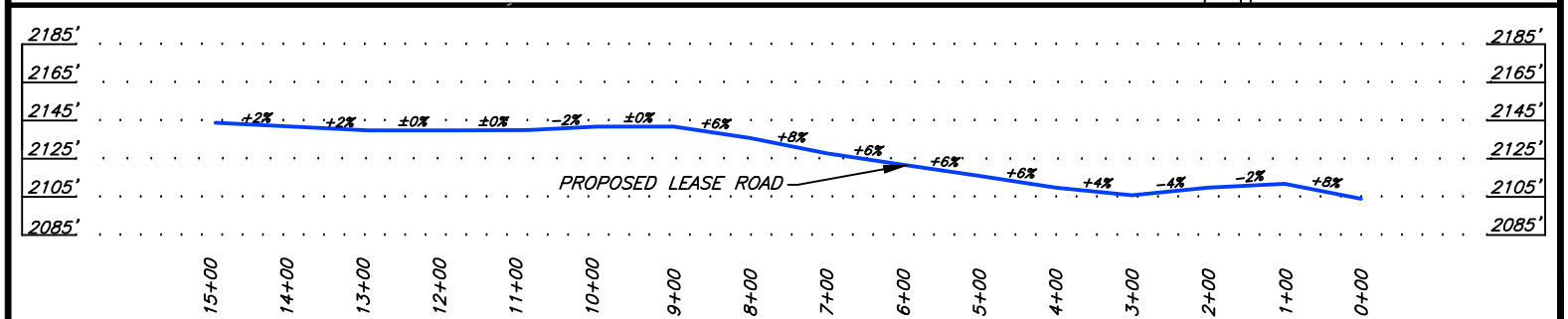
SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
(918)465–5711 P.O. Box 238 C.A. #5348,
(918)465–5030 fax Wilburton, OK 74578 EXP. DATE 6–30–20

NO.	REVISION DESCRIPTION	DATE	BY

PLAN AND PROFILE
OF PROPOSED LEASE ROAD IN A PART OF THE NE/4 SECTION 12 & THE SE/4 SECTION 1, T13N–R25W, ROGER MILLS COUNTY, OKLAHOMA

"BIG SHOW USA 1H–1213"
PROPOSED LEASE ROAD
PLAN AND PROFILE





–NOTE–
This proposed lease road plat is not a land or boundary survey, the footages & ties shown are from lines of occupation, and may not be from actual property corners.

PROFILE VIEW
Scales:
Horizontal: 1" = 250'
Vertical: 1" = 100'

SCALE: 1" = 250'	
JOB NO.: 7702	
DRAW. NO.: 7702–RDPLAN	
SHEET SIZE: 8.5" X 11"	

NO.	REVISION DESCRIPTION	DATE	BY

SURV. BY: J.W.	03/26/18
DRAWN BY: J.H.	03/28/18
APPROVED BY: L.G.M.	
SHEET 1 OF 2	

LE NORMAN OPERATING, LLC
Oklahoma City, OK

LE NORMAN OPERATING LLC

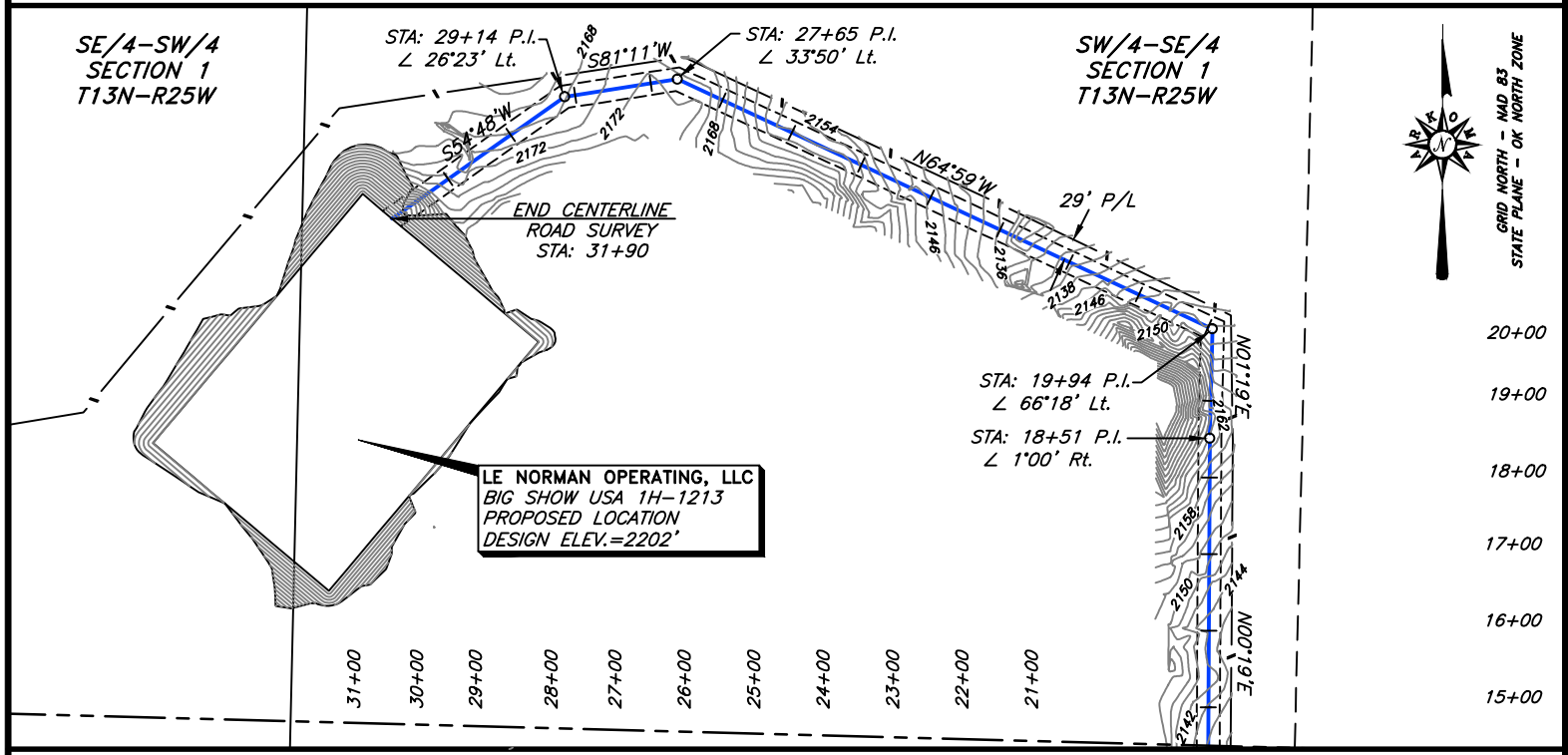
SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
P.O. Box 238 Wilburton, OK 74578
(918)465–5711 C.A. #5348,
(918)465–5030 fax EXP. DATE 6–30–20

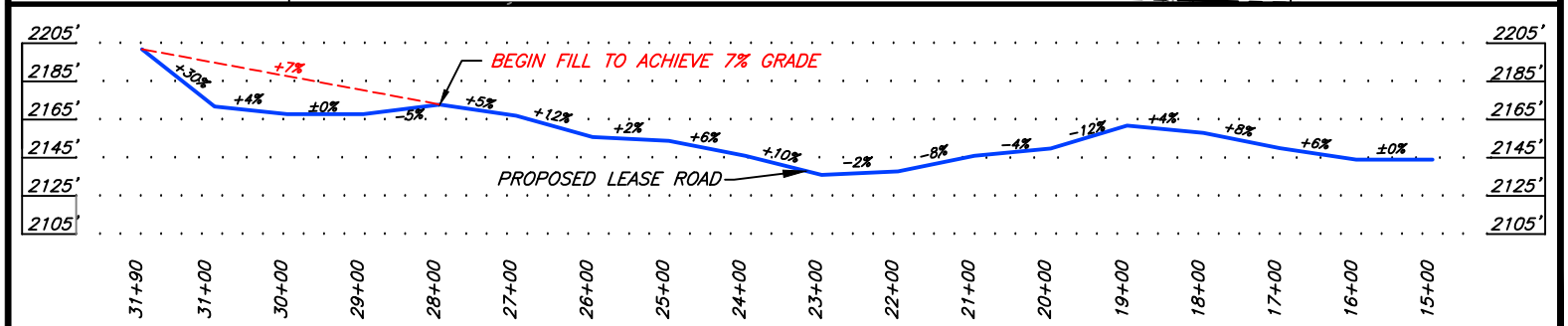
ARKOMA SURVEYING & MAPPING

PLAN AND PROFILE

OF PROPOSED LEASE ROAD IN A PART OF THE NE/4 SECTION 12 & THE SE/4 SECTION 1, T13N–R25W, ROGER MILLS COUNTY, OKLAHOMA

"BIG SHOW USA 1H–1213"
PROPOSED LEASE ROAD
PLAN AND PROFILE





PROFILE VIEW
Scales:
Horizontal: 1" = 250'
Vertical: 1" = 100'

–NOTE–
This proposed lease road plat is not a land or boundary survey, the footages & ties shown are from lines of occupation, and may not be from actual property corners.

SCALE: 1" = 250'	
JOB NO.: 7702	
DRAW. NO.: 7702–RDPLAN	
SHEET SIZE: 8.5" X 11"	

NO.	REVISION DESCRIPTION	DATE	BY

SURV. BY: J.W. 03/26/18
DRAWN BY: J.H. 03/28/18
APPROVED BY: L.G.M.
SHEET 2 OF 2

LE NORMAN OPERATING, LLC
Oklahoma City, OK

LE NORMAN OPERATING LLC

SURVEY & MAPPING BY:
ARKOMA SURVEYING & MAPPING, PLLC
P.O. Box 238 C.A. #5348,
(918)465–5711 EXP. DATE 6–30–20
(918)465–5030 fax Wilburton, OK 74578