

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

API NUMBER: 043 23638

Approval Date: 06/25/2018

Expiration Date: 12/25/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 19N Rge: 17W

County: DEWEY

SPOT LOCATION: C NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 660 660

Lease Name: EARL 30-19-17

Well No: 3H

Well will be 660 feet from nearest unit or lease boundary.

Operator Name: TAPSTONE ENERGY LLC

Telephone: 4057021600

OTC/OCC Number: 23467 0

TAPSTONE ENERGY LLC
100 E MAIN ST
OKLAHOMA CITY, OK 73104-2509

CAROL DON SCHOMP & LOLA F. SCHOMP
P. O. BOX 174
TALOGA OK 73667

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	11950	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 660424

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804092
201804091

Special Orders:

Total Depth: 17300

Ground Elevation: 1961

Surface Casing: 450

Depth to base of Treatable Water-Bearing FM: 300

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: 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: RUSH SPRINGS

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-34712

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? 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: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 30 Twp 19N Rge 17W County DEWEY

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 11340

Radius of Turn: 682

Direction: 1

Total Length: 4889

Measured Total Depth: 17300

True Vertical Depth: 11950

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

HYDRAULIC FRACTURING

6/13/2018 - 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: OCCWEB.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 - 679456

6/25/2018 - G58 - 30-19N-17W
X660424 MSSP
2 WELLS
TAPSTONE ENERGY, LLC
6/21/2018

INTERMEDIATE CASING

6/13/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

LOCATION EXCEPTION - 679411

6/25/2018 - G58 - (I.O.) 30-19N-17W
X660424 MSSP
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 560' FWL
TAPSTONE ENERGY, LLC
6/20/2018

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

043 23638 EARL 30-19-17 3H

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
MEMO	6/13/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 660424	6/25/2018 - G58 - (640)(HOR) 30-19N-17W VAC 54296 CRLM VAC 217107 MSSLM EXT 647686 MSSP POE TO BHL NCT 660' FB

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS
DEWEY

043-23638

660' FNL - 660' FWL Section 31 Township 19N Range 17W I.M.

X= 1686385
Y= 402474

X= 1688994
Y= 402444

X= 1691606
Y= 402414

BOTTOM HOLE
165' FNL - 660' FWL
NAD-27 (US Feet)
36°06'01.8" N
99°03'33.7" W
36.100507933° N
99.059359497° W
X=1687043
Y=402302

BOTTOM HOLE

1949

2430'

E/2-NW/4

LOT 1

LOT 2

LOT 3

LOT 4

LANDING POINT

LANDING POINT
165' FSL - 663' FWL
NAD-27 (US Feet)
36°05'13.5" N
99°03'33.8" W
36.087077570° N
99.059399165° W
X=1686978
Y=397413

X= 1688923
Y= 397219

NOTE:
The information shown herein is for
construction purposes ONLY.

X= 1691573
Y= 399187

X= 1691539
Y= 397179

X= 1691517
Y= 394580

X= 1691496
Y= 391982

X= 1688881
Y= 392027

X= 1688256
Y= 392072

ELEVATION:
1961' Gr. at Stake

Well No.: 3H

Operator: TAPSTONE ENERGY
Lease Name: EARL 30-19-17

Topography & Vegetation Loc. fell in burnt, sloping pasture, ±515' SW of wind turbine

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction From Jct. US Hwy. 183 North and St. Hwy. 51 West in Seiling, OK, go ±5.0 mi. West on
St. Hwy. 51, then ±4.0 mi. South, then ±1.0 mi. West to the NW Cor. of Sec. 31-T19N-R17W

LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Date of Drawing: May 02, 2018

Invoice # 292671 Date Staked: Apr. 24, 2018

AC

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land
Surveyor and an authorized agent of Topographic Land
Surveyors of Oklahoma, do hereby certify to the
information shown herein

Oklahoma Lic. No. 1433



DATUM: NAD-27
LAT: 36°05'05.3" N
LONG: 99°03'33.9" W
LAT: 36.084811239° N
LONG: 99.059405858° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1686967
Y: 396588

Accuracy
of receiver
was
verified
with
a known
point

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X= 1688994
Y= 402444

X= 1691606
Y= 402414

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NAD-27 (US Feet)
36°06'01.8" N
99°03'33.7" W
36.100507933° N
99.059359497° W
X=1687043
Y=402302

BOTTOM HOLE

LOT 1

LOT 2

LOT 3

LOT 4

PROPOSED DRILL PATH

E/2-NW/4

30

E/2-SW/4

LANDING POINT
165'FSL-663'FWL
NAD-27 (US Feet)
36°05'13.5" N
99°03'33.8" W
36.087077570° N
99.059399165° W
X=1686978
Y=397413

X= 1688923
Y= 397219

LANDING POINT

WIND TURBINE

WIND TURBINE

LOT 1

1950'

E/2-NW/4

1934'

LOT 2

LOT 3

WIND TURBINE

E/2-SW/4

LOT 4

WIND TURBINE

WIND TURBINE

X= 1691496
Y= 391982

Township Line

T19N-R17W

T18N-R17W

X= 1686266
Y= 392072

X= 1688881
Y= 392027

Operator: TAPSTONE ENERGY
Lease Name: EARL 30-19-17
Topography & Vegetation Loc. fell in burnt, sloping pasture, ±515' SW of wind turbine
Good Drill Site? Yes
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ELEVATION:
1961' Gr. at Stake

LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Date of Drawing: May 02, 2018

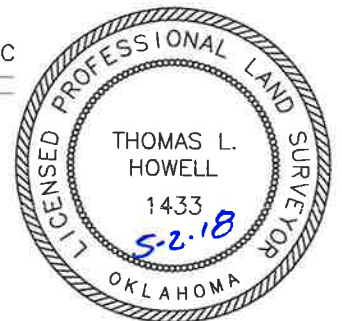
Invoice # 292671 Date Staked: Apr. 24, 2018

AC

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
Oklahoma Lic. No. 1433



NOTE:
The information shown herein is for construction purposes ONLY.

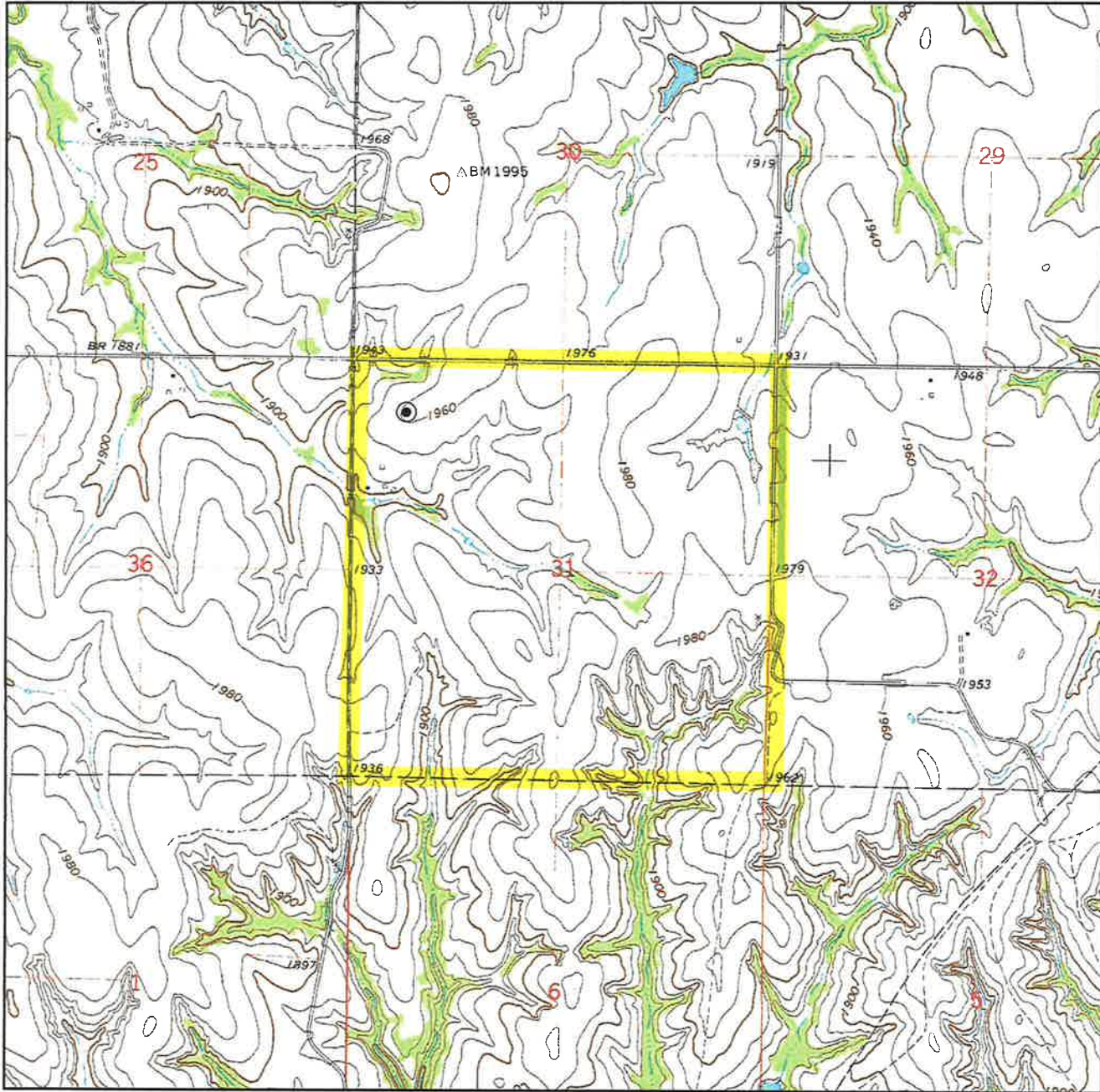
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Okla. City, OK. 73134 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 31 Twp. 19N Rng. 17W IM

County DEWEY State OK

Operator TAPSTONE ENERGY

Description 660'FNL - 660'FWL

Lease EARL 30-19-17 3H

Elevation 1961' Gr. at Stake

U.S.G.S. Topographic
Quadrangle Map LENORA, OK

Above Background Data from
U.S.G.S. Topographic Map

Scale: 1"=2000'

Contour Interval 20'

When elevation is shown hereon it is the ground
elevation of the location stake.

Review this plat and inform us immediately of
any possible discrepancy.



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

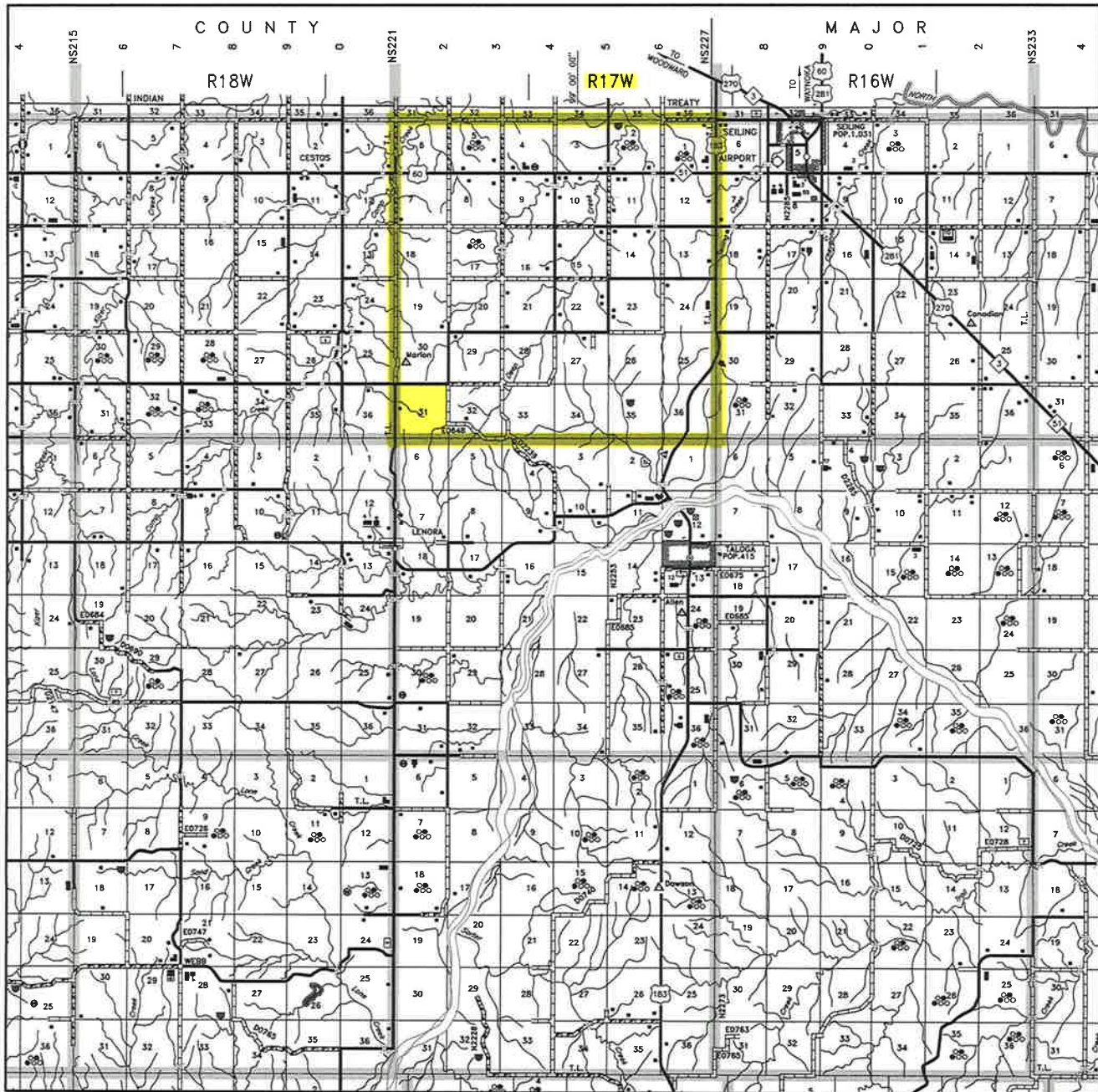
LAND SURVEYORS OF OKLAHOMA

Apr. 24, 2018

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 31 Twp. 19N Rng. 17W IM

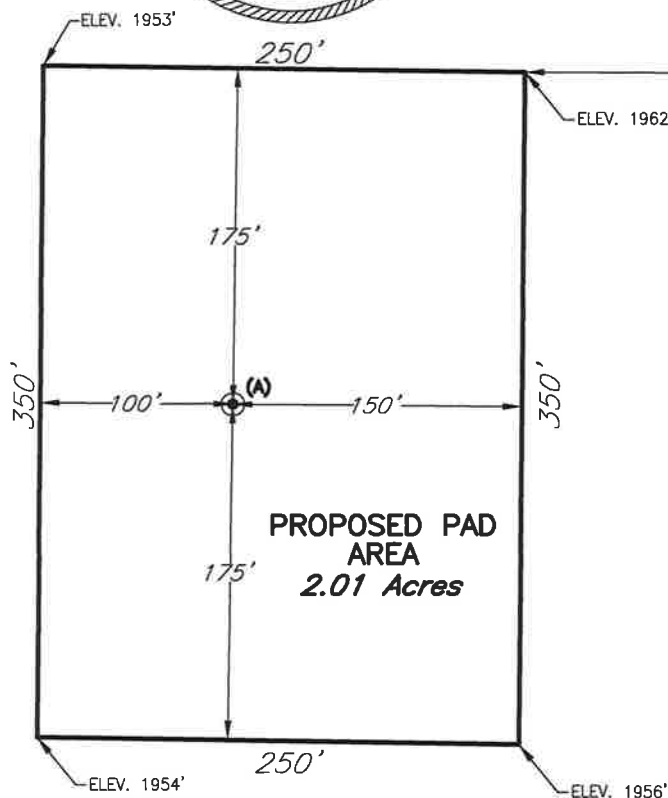
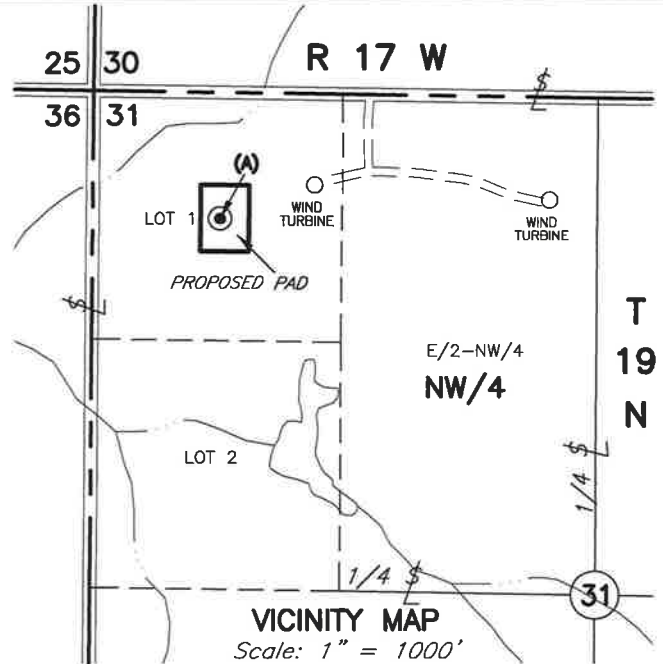
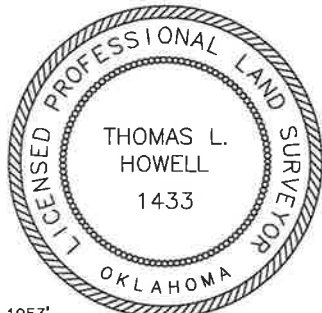
County DEWEY State OK

Operator TAPSTONE ENERGY

 **TOPOGRAPHIC**
LOYALTY INNOVATION LEGACY
LAND SURVEYORS OF OKLAHOMA

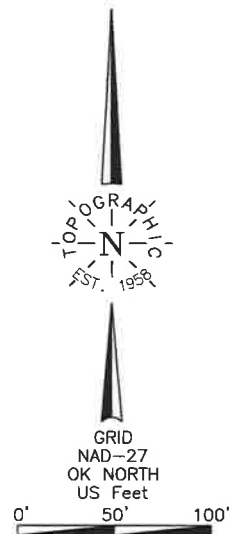
T 19 N – R 17 W
(INDIAN MERIDIAN)

PLAT SHOWING
PROPOSED PAD AREA IN THE
NW/4 OF SECTION 31, T19N – R17W,
DEWEY COUNTY, OKLAHOMA



TAPSTONE ENERGY
EARL 30-19-17 3H
660'FNL-660'FWL
Elev. 1961' Gr.

SECTION 31
NW/4



NOTE:

The information shown herein is
for construction purposes ONLY.

This plat was prepared exclusively for

TAPSTONE ENERGY

and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma

SURVEYING AND MAPPING BY
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847
Certificate of Authorization No. 1293 LS

SCALE: 1" = 100'

DATE: 5/02/18

INVOICE NO.: 292671

FILE NAME: L2169A.DWG

DWG NO.: 120010-L2-169-A

SHEET 1 OF 1

NO.	REVISION	DATE	BY
SURV. BY:	ES	4/24/18	
DRAWN BY:	AC		
APPROVED BY:	TH		