

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

API NUMBER: 153 23635

Approval Date: 09/24/2018

Expiration Date: 03/24/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 20N Rge: 17W

County: WOODWARD

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 205 330

Lease Name: FARWELL 25-20-17

Well No: 1H

Well will be 205 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

IMOGENE C. FARWELL, TRUSTEE
2870 RUBY VISTA DRIVE #304
ELKO NV 89801

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9700	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 673655

Location Exception Orders:

Increased Density Orders: 678822

Pending CD Numbers: 201806938

Special Orders:

Total Depth: 14600

Ground Elevation: 1786

Surface Casing: 300

Depth to base of Treatable Water-Bearing FM: 150

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: MARLOW

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

PERMIT NO: 18-35416

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: MARLOW

HORIZONTAL HOLE 1

Sec 25 Twp 20N Rge 17W County WOODWARD

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 9100

Radius of Turn: 477

Direction: 357

Total Length: 4750

Measured Total Depth: 14600

True Vertical Depth: 9700

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

Notes:

Category

Description

HYDRAULIC FRACTURING

9/19/2018 - 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 - 678822

9/24/2018 - G57 - 25-20N-17W
X673655 MSSP
3 WELLS
TAPSTONE ENERGY, LLC.
6-6-2018

INTERMEDIATE CASING

9/19/2018 - 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

MEMO

9/19/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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153 23635 FARWELL 25-20-17 1H

Category	Description
PENDING CD - 201806938	9/24/2018 - G57 - (I.O.) 25-20N-17W X673655 MSSP COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 9-18-2018 (MILLER)
SPACING - 673655	9/24/2018 - G57 - (640)(HOR) 25-20N-17W VAC 55987 CSTR VAC 129845 STGV, STLS, SPWR, OSGE EXT 661944 MSSP POE TO BHL NLT 660' FB

This permit does not address the right of entry or settlement of surface damages.
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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

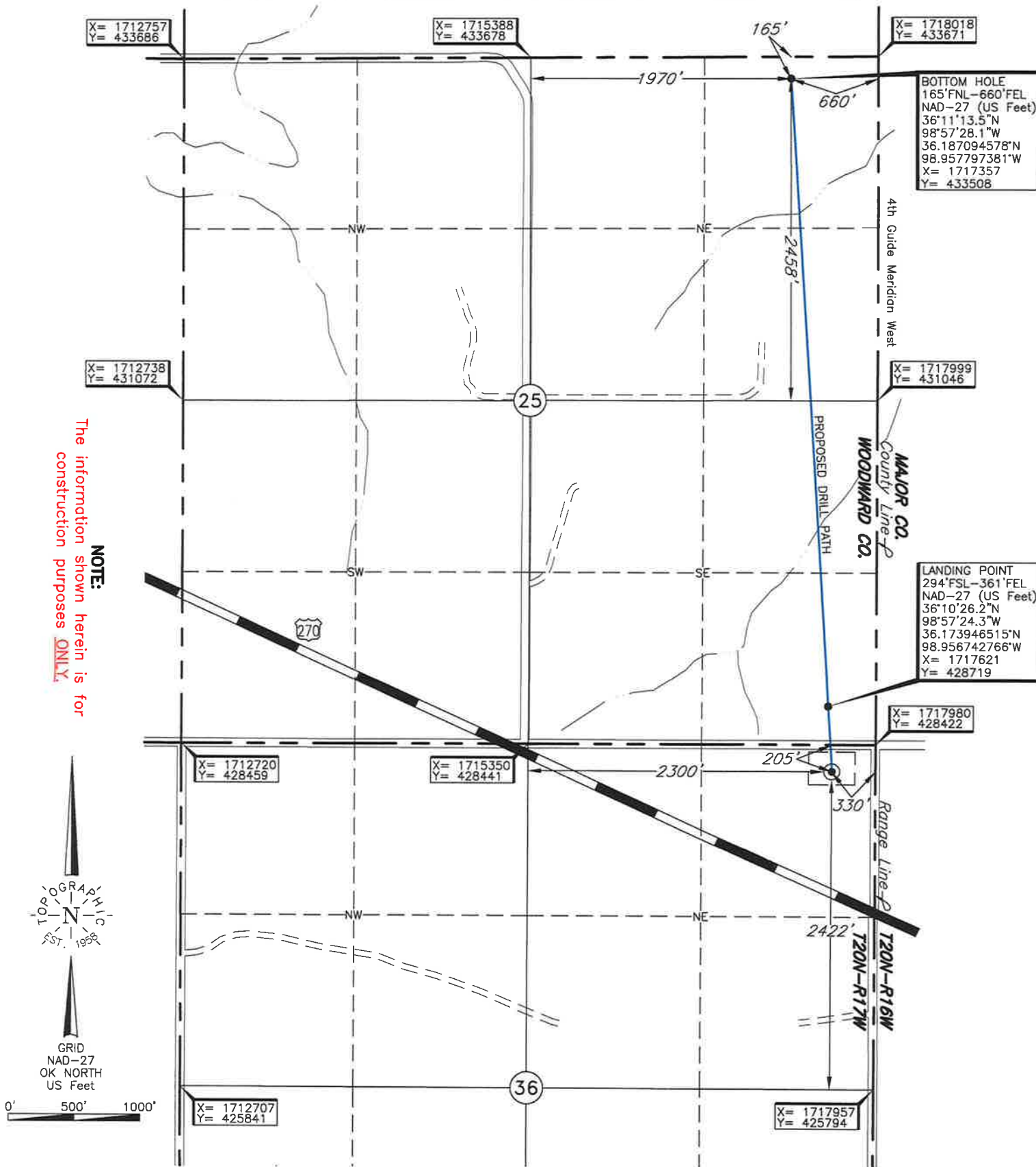
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219 API:153 23635

Certificate of Authorization No. 1293 LS

WOODWARD

County, Oklahoma

205'FNL-330'FEL Section 36 Township 20N Range 17W I.M.



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

Operator: TAPSTONE ENERGY

Lease Name: FARWELL 25-20-17

Well No.: 1H

ELEVATION:

1786' Gr. at Stake

Topography & Vegetation Loc. fell in level wheat field, ±236' NE of water well

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off county road.

Distance & Direction
from Hwy Jct or Town From the junction of US Hwy. 183 South and US 270 in Seiling, OK,
go ±0.2 mile North on gravel road to the NE Cor. of Sec. 36-T20N-R17W.

Date of Drawing: Aug. 15, 2018

Invoice # 300820 Date Staked: June 14, 2018

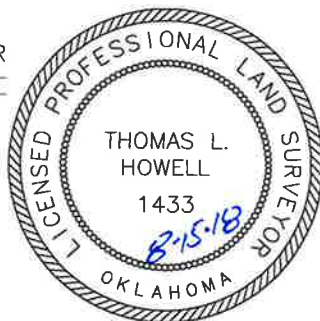
TR

DATUM: NAD-27
LAT: 36°10'21.3"N
LONG: 98°57'23.9"W
LAT: 36.172575857°N
LONG: 98.956632846°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1717648
Y: 428219

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



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

WOODWARD

County, Oklahoma

205'FNL-330'FEL Section 36 Township 20N Range 17W I.M.

X= 1712757
Y= 433686

X= 1715388
Y= 433678

X= 1718018
Y= 433671

BOTTOM HOLE
165'FNL-660'FEL
NAD-27 (US Feet)
36°11'13.5"N
98°57'28.1"W
36.187094578"N
98.957797381"W
X= 1717357
Y= 433508

X= 1712738
Y= 431672

X= 1717999
Y= 431046

LANDING POINT
294'FSL-361'FEL
NAD-27 (US Feet)
36°10'26.2"N
98°57'24.3"W
36.173946515"N
98.956742766"W
X= 1717621
Y= 428719

X= 1717980
Y= 428422

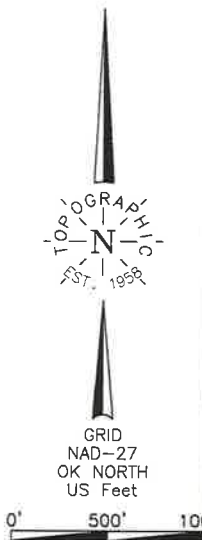
X= 1712720
Y= 428459

X= 1715350
Y= 428441

X= 1712707
Y= 428441

X= 1717957
Y= 428794

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



LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION
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Invoice # 300820

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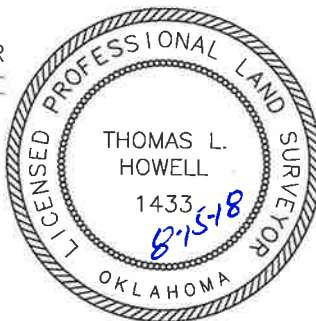
Date Staked: June 14, 2018

TR

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



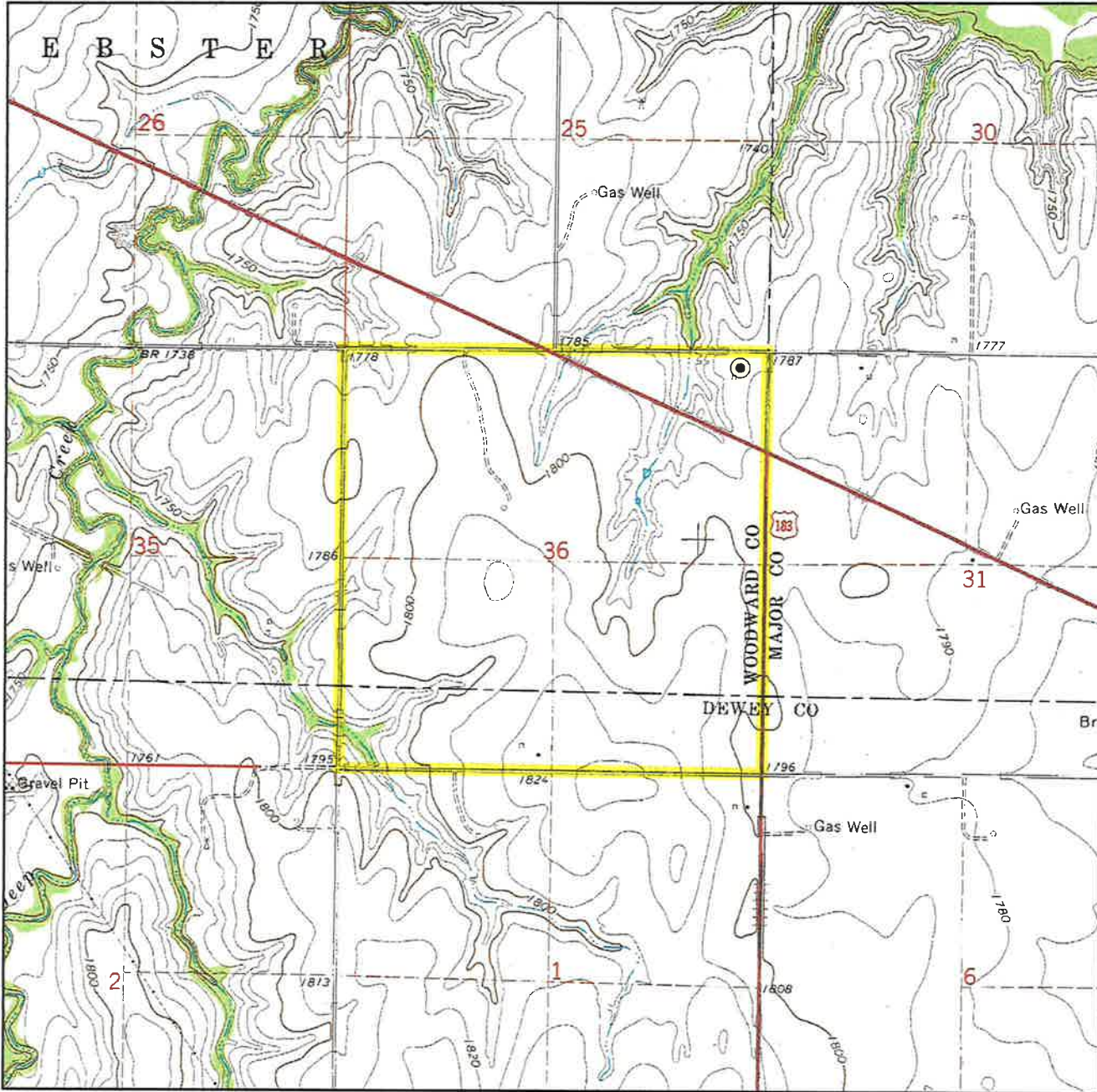
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

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

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

LOCATION & ELEVATION VERIFICATION MAP



Sec. 36 Twp. 20N Rng. 17W IM

County WOODWARD State OK

Operator TAPSTONE ENERGY

Description 205'FNL-330'FEL

Lease FARWELL 25-20-17 1H

Elevation 1786' Gr. at Stake

Above Background Data from
U.S.G.S. Topographic Map
Scale: 1"=2000'

Contour Interval 10'

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

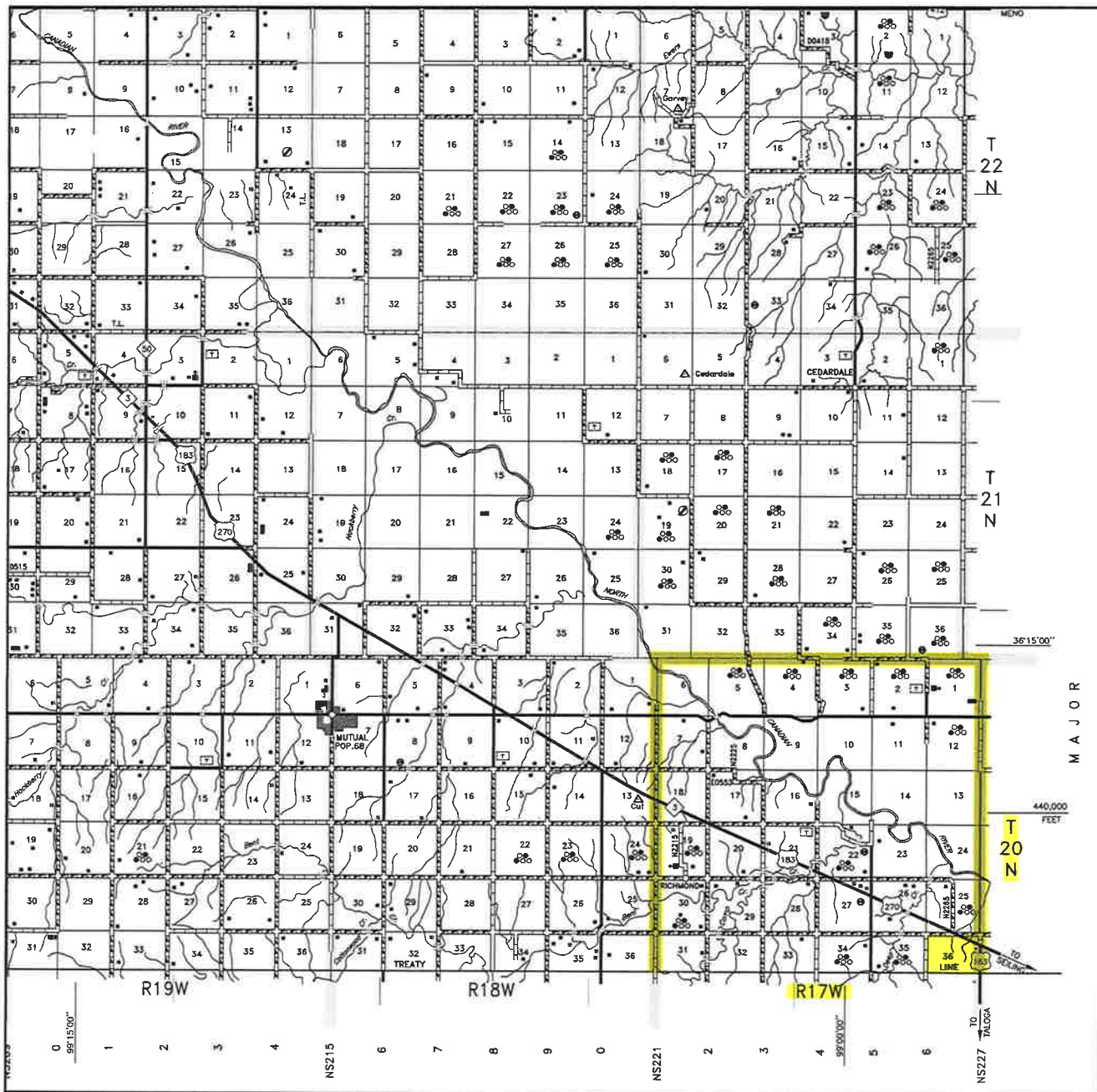
LAND SURVEYORS OF OKLAHOMA

June 14, 2018

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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13800 Wireless Way, Oklahoma City, OK 73134 www.topographic.com
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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 36 Twp. 20N Rng. 17W IM

County WOODWARD State OK

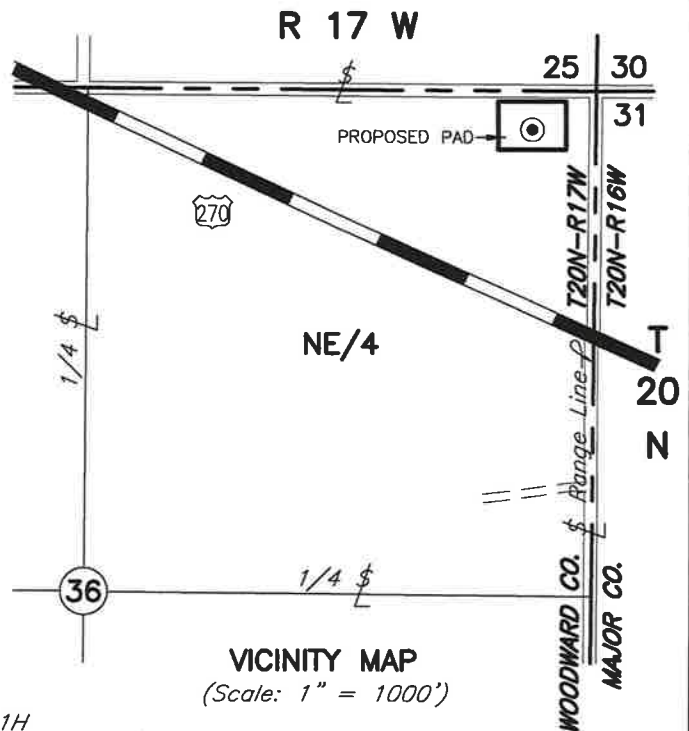
Operator TAPSTONE ENERGY



LAND SURVEYORS OF OKLAHOMA

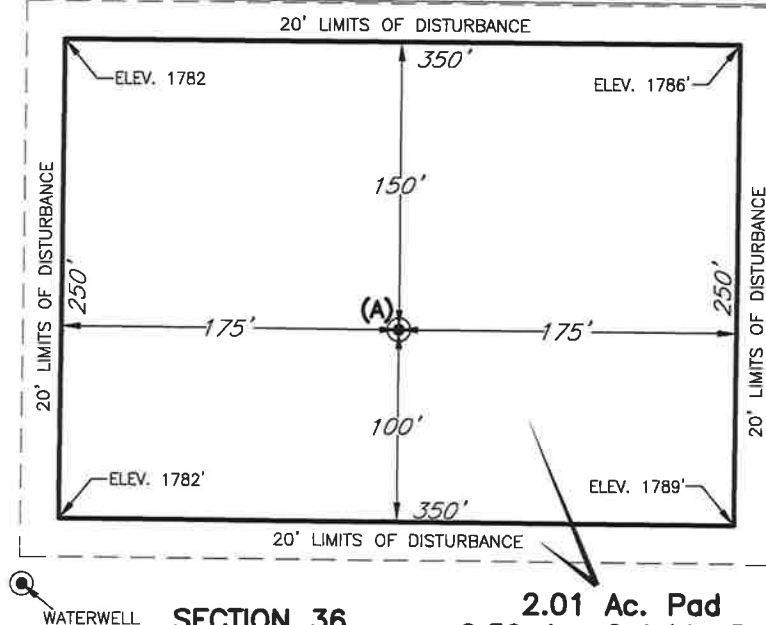
T 20 N - R 17 W
(INDIAN MERIDIAN)

PLAT SHOWING
**PROPOSED PAD AREA IN THE
NE/4 OF SECTION 36, T20N - R17W
WOODWARD COUNTY, OKLAHOMA**



(A) TAPSTONE ENERGY
FARWELL 25-20-17 1H
205' FNL-330' FEL
Elev. 1786' Gr.

VICINITY MAP
(Scale: 1" = 1000')



WOODWARD CO.
County Line
MAJOR CO.
T20N-R17W
Range Line
T20N-R16W



GRID
NAD-27
OK NORTH
US Feet

NOTE:

The information shown herein is for construction purposes ONLY.

2	RENAME	8/15/18	TR
1	GEN. REV.	6/20/2018	MK
NO.	REVISION	DATE	BY
SUR. BY:	ES	6/14/18	
DRAWN BY:	TR		
APPROVED BY:	TH		

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:	6/15/18
INVOICE NO.:	296407
FILE NAME:	L2176A.DWG
DWG NO.:	120010-L2-176-A
SHEET	1 OF 1