

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

API NUMBER: 043 23595

Approval Date: 02/09/2018

Expiration Date: 08/09/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 19N Rge: 17W

County: DEWEY

SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 235 370

Lease Name: CARTER 29-19-17

Well No: 2H

Well will be 235 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

BONNIE JOAN THAXTON
117 I STREET NW
ARDMORE OK 73401

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: 647686

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800310
201800309

Special Orders:

Total Depth: 16900

Ground Elevation: 1957

Surface Casing: 470

Depth to base of Treatable Water-Bearing FM: 320

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: 18-33859

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 29 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: 11195

Radius of Turn: 573

Direction: 4

Total Length: 4804

Measured Total Depth: 16900

True Vertical Depth: 11950

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

Notes:

Category

Description

HYDRAULIC FRACTURING

2/8/2018 - 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

INTERMEDIATE CASING

2/8/2018 - 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

2/8/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201800309

2/9/2018 - G57 - (I.O.) 29-19N-17W
X647686 MSSP
2 WELLS
NO OP. NAMED
REC 2-6-2018 (JACKSON)

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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.

043 23595 CARTER 29-19-17 2H

Category	Description
PENDING CD - 201800310	2/9/2018 - G57 - (I.O.) 29-19N-17W X647686 MSSP COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 2-6-2018 (JACKSON)
SPACING - 647686	2/9/2018 - G57 - (640)(HOR) 29-19N-17W VAC 54296 CSTR VAC 217107 MSSLM EST MSSP POE TO BHL NLT 660' FB

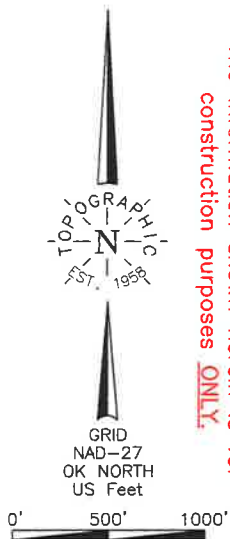
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 (405) 843-48477 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

DEWEY

County, Oklahoma

235'FNL - 370'FWL Section 32 Township 19N Range 17W I.M.



The information shown herein is for construction purposes ONLY.

NOTE:

Operator: TAPSTONE ENERGY
Lease Name: CARTER 29-19-17
Topography & Vegetation Loc. fell in sloping wheat field

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 and St. Hwy. 51, West of Seiling, OK, go ± 5.0 mi. West on

St. Hwy. 51, then ± 4.0 mi. South to the NW Cor. of Sec. 32-T19N-R17W

X= 1691573
Y= 399797

Well No.: 2H

ELEVATION:

1957' Gr. at Stake

X= 1691496
Y= 391982

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

Date of Drawing: Jan. 10, 2018

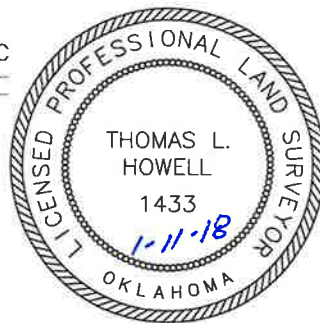
Invoice # 286673 Date Staked: Jan. 08, 2018

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

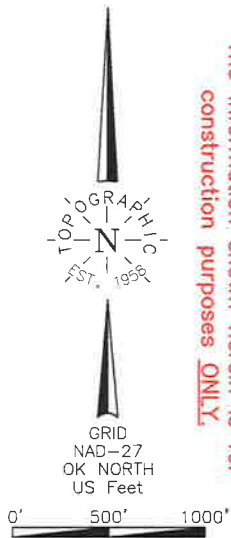


DATUM: NAD-27
LAT: 36°05'09.3" N
LONG: 99°02'33.7" W
LAT: 36.085921562° N
LONG: 99.042702341° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1691907
Y: 396939

DEWEY

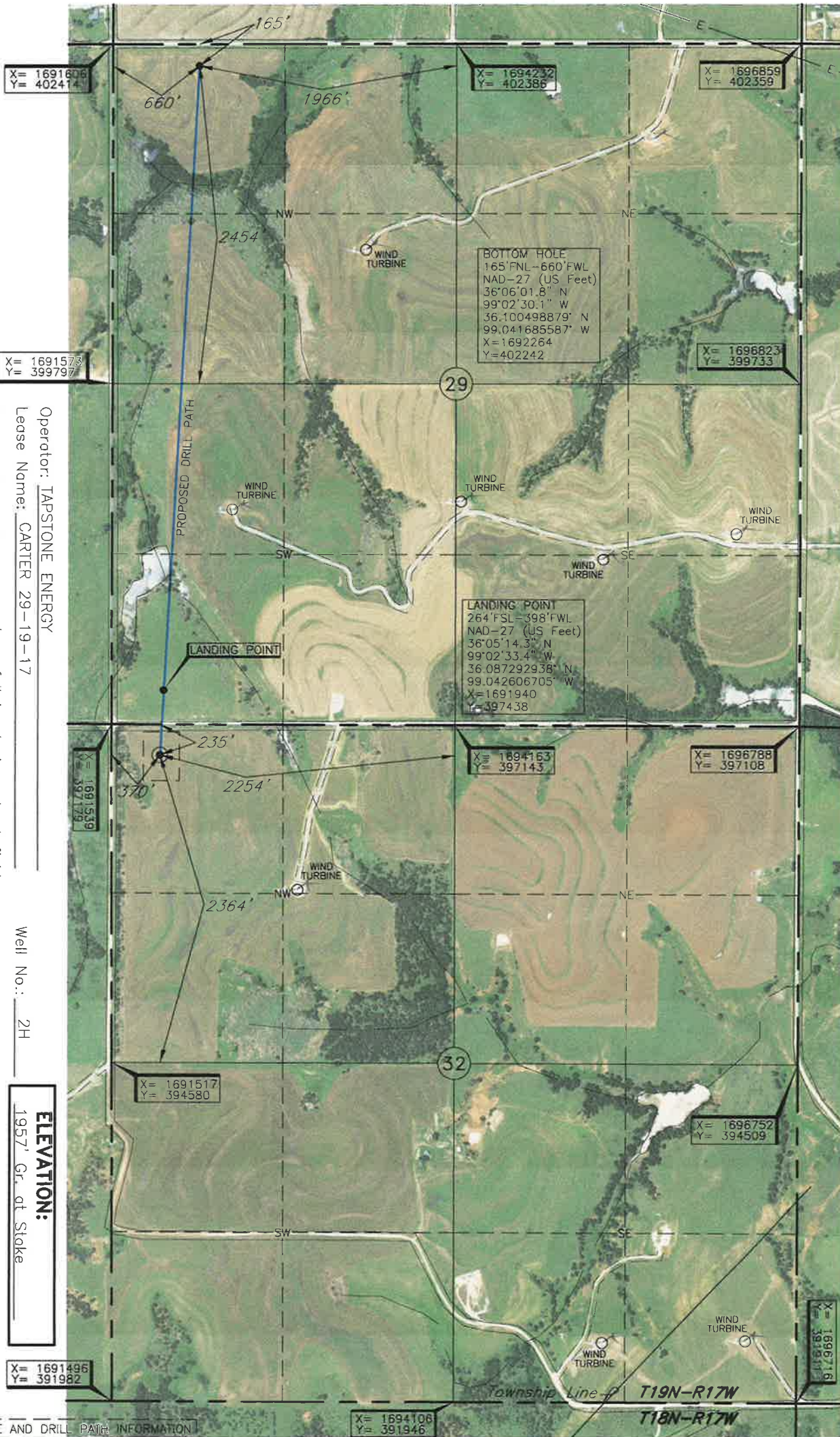
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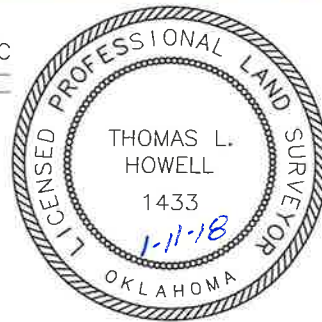
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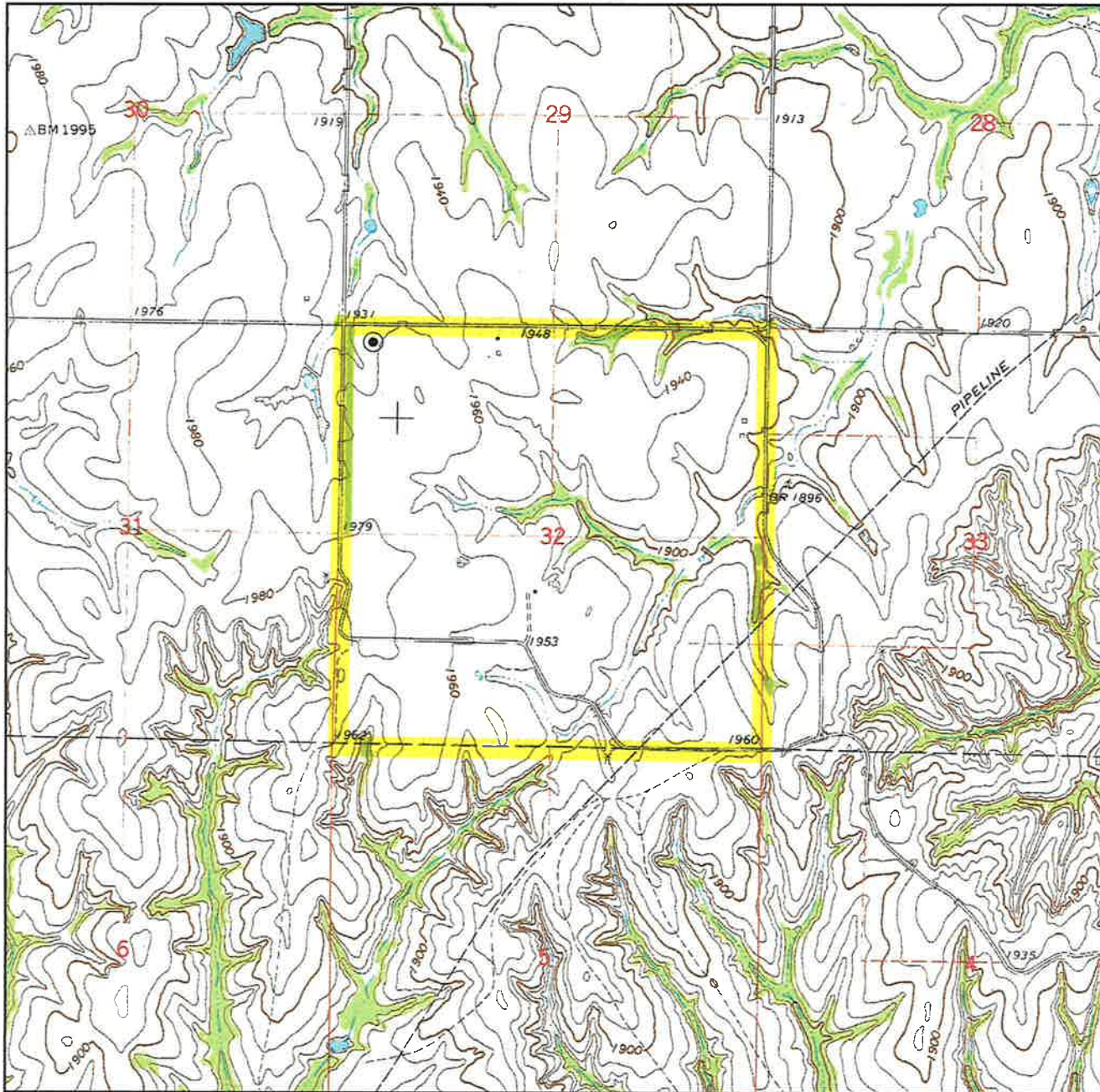


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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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. 32 Twp. 19N Rng. 17W IM

County DEWEY State OK

Operator TAPSTONE ENERGY

Description 235'FNL - 370'FWL

Lease CARTER 29-19-17 2H

Elevation 1957' Gr. at Stake

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.



LAND SURVEYORS OF OKLAHOMA

Jan. 08, 2018

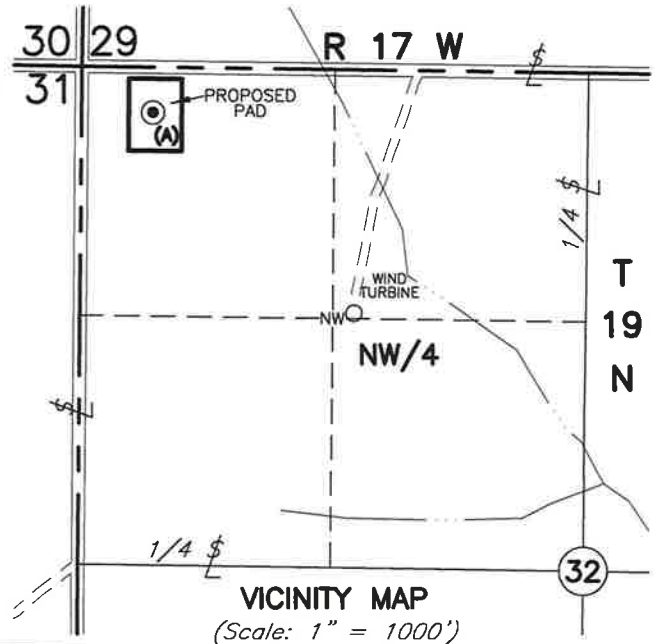
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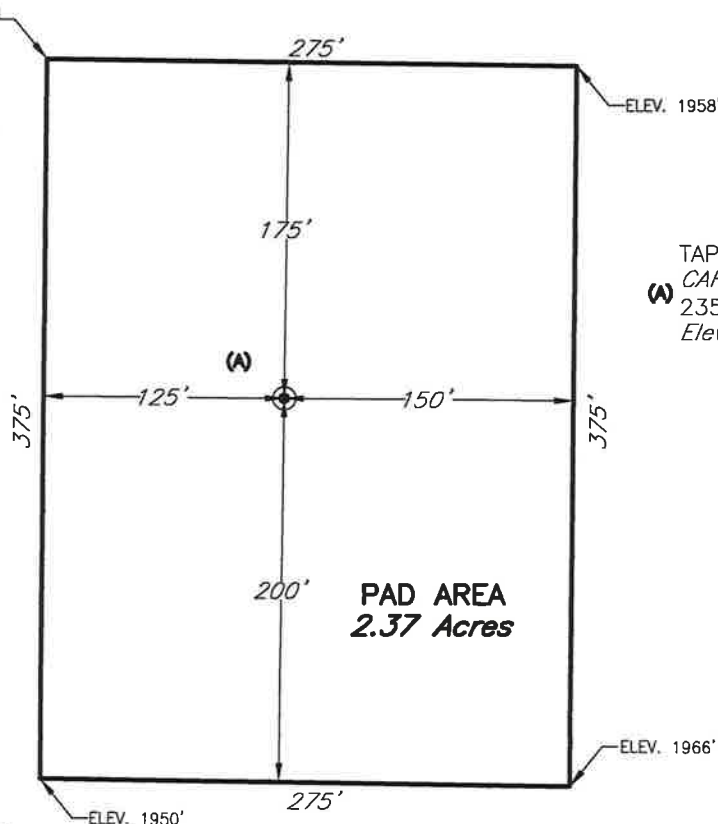
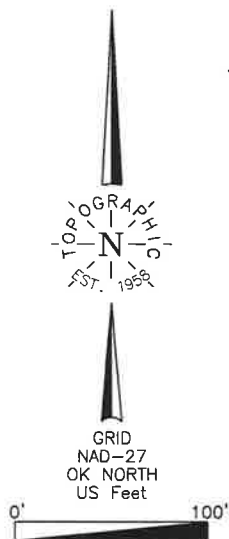
LAND SURVEYORS OF OKLAHOMA

T 19 N - R 17 W
(INDIAN MERIDIAN)

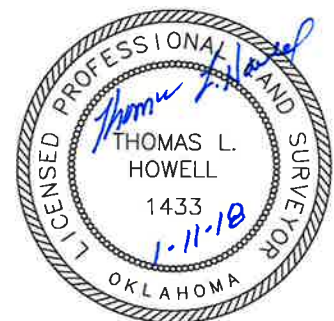
PLAT SHOWING
PROPOSED PAD AREA IN THE
NW/4 OF SECTION 32, T19N - R17W
DEWEY COUNTY, OKLAHOMA



SECTION 32
NW/4



TAPSTONE ENERGY
CARTER 29-19-17 2H
235'FNL-370'FWL
Elev. 1957' Gr.



NOTE:

The information shown herein is
for construction purposes ONLY.

This plat was prepared exclusively for				SCALE: 1"=100'	
TAPSTONE ENERGY				DATE: 1-10-18	
and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma				INVOICE NO.: 286673	
SURVEYING AND MAPPING BY				FILE NAME: L2144A.DWG	
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA				DWG NO.: 120010-L2-144-A	
13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847				SHEET 1 OF 1	
Certificate of Authorization No. 1293 LS					
NO.	REVISION	DATE	BY		
SUR. BY:	ES	1-08-18			
DRAWN BY:	AC				
APPROVED BY:	TH				