

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

API NUMBER: 043 23707

Approval Date: 07/11/2019

Expiration Date: 01/11/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 19N Rge: 14W

County: DEWEY

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 175 925

Lease Name: JAYCEE 24/13-19-14

Well No: 3H

Well will be 175 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

WAYNE POLLOCK, MANAGER
P. O. BOX 667
CANTON OK 73724

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	9600	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 686480

Location Exception Orders: 694673

Increased Density Orders:

Pending CD Numbers: 201901585

Special Orders:

Total Depth: 19400

Ground Elevation: 1683

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 160

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

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: 19-36749

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 13 Twp 19N Rge 14W County DEWEY

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 8925

Radius of Turn: 511

Direction: 2

Total Length: 9672

Measured Total Depth: 19400

True Vertical Depth: 9600

End Point Location from Lease,
Unit, or Property Line: 150

Notes:

Category

Description

DEEP SURFACE CASING

6/20/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

6/20/2019 - 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

6/20/2019 - 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 - 694673

7/9/2019 - G58 - (I.O.) 24 & 13-19N-14W
X686480 MSNLC
X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING WELL
COMPL. INT. (24-19N-14W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL
COMPL. INT. (13-19N-14W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL
TAPSTONE ENERGY, LLC.
4/15/2019

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

043 23707 JAYCEE 24/13-19-14 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	6/20/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201901585	7/9/2019 - G58 - 13 & 24-19N-14W X686480 MSNLC 3 WELLS NO OP. NAMED REC 4/2/2019 (MILLER)
SPACING - 686480	7/9/2019 - G58 - (1280)(HOR) 13 & 24-19N-14W VAC 121423 MSSSD EST MSNLC POE TO BHL NCT 660' FB

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

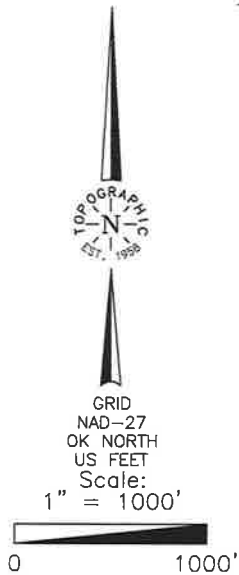
13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

DEWEY

County, Oklahoma

043-23707

175'FSL-925'FEL Section 24 Township 19N Range 14W I.M.

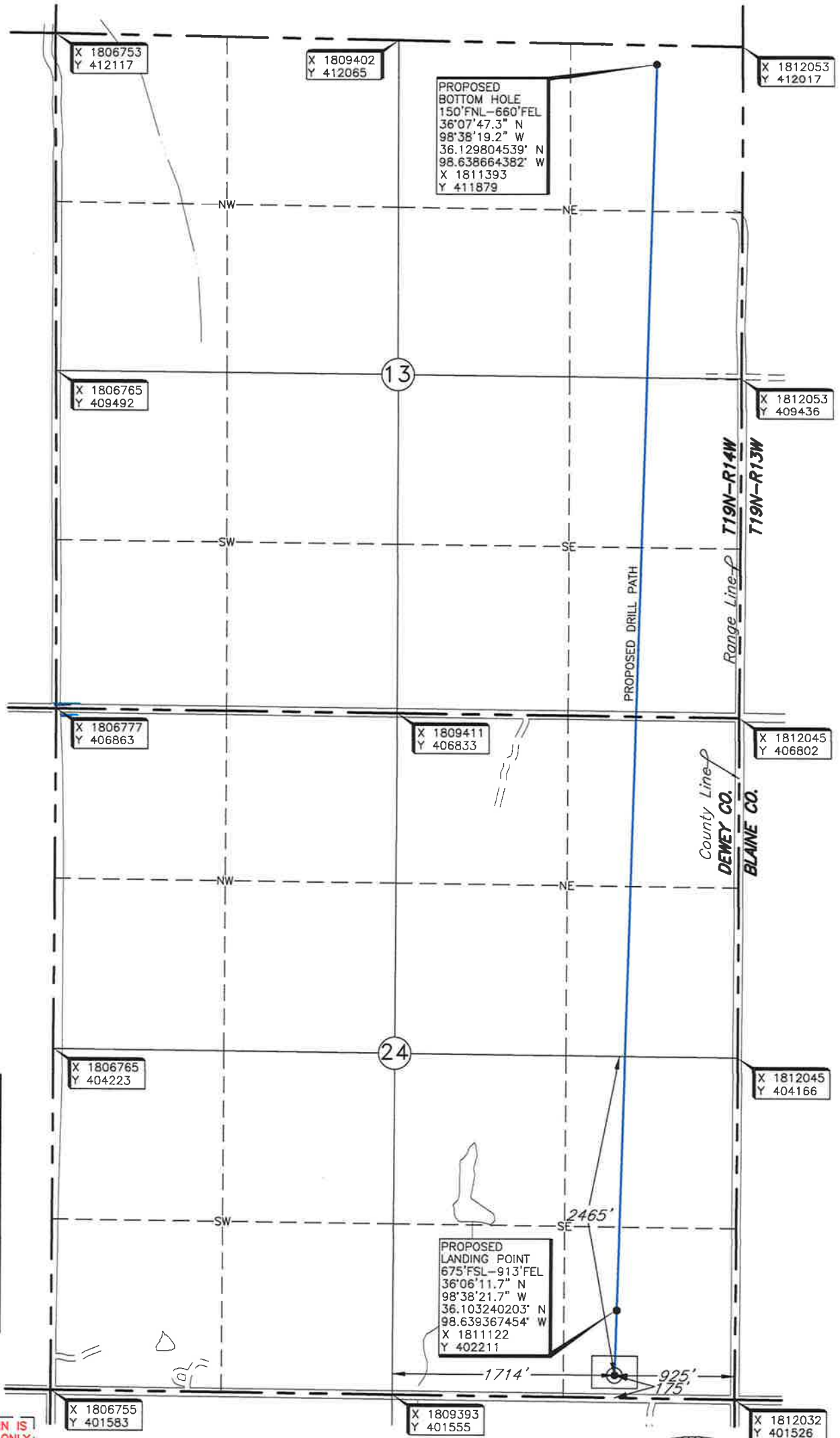


LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED.

Operator: TAPSTONE ENERGY
Lease Name: JAYCEE 24/13-19-14
Topography & Vegetation Location fell in wheat field.
Good Drill Site? Yes
Best Accessibility to Location From South off county road.
Distance & Direction From the Jct. of St. Hwy 51 and the Dewey/Blaine County line,
go West ±1 mile, then North ±3 miles, then East ±1 mile to the Southeast corner Section 24, T19N - R14W.
Reference Stakes or Alternate Location
Stakes Set None
Well No.: 3H
ELEVATION:
1683' Gr. at Stake

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27
LAT: 36°06'06.7" N
LONG: 98°38'21.9" W
LAT: 36.101866951° N
LONG: 98.639403786° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 1811108
Y: 401711



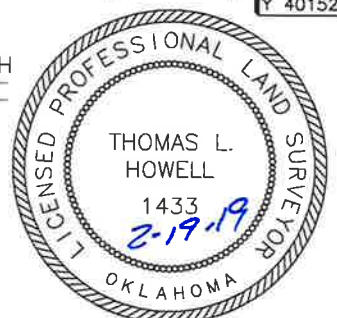
Project # 123401 Date of Drawing: Feb. 19, 2019
Date Staked: Jan. 28, 2019

KH

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

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DEWEY

County, Oklahoma

175'FSL-925'FEL Section 24 Township 19N Range 14W I.M.

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



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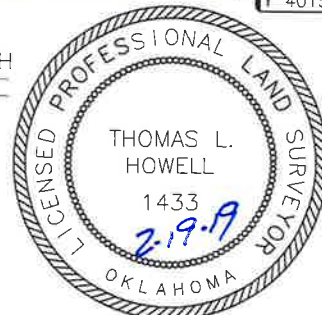
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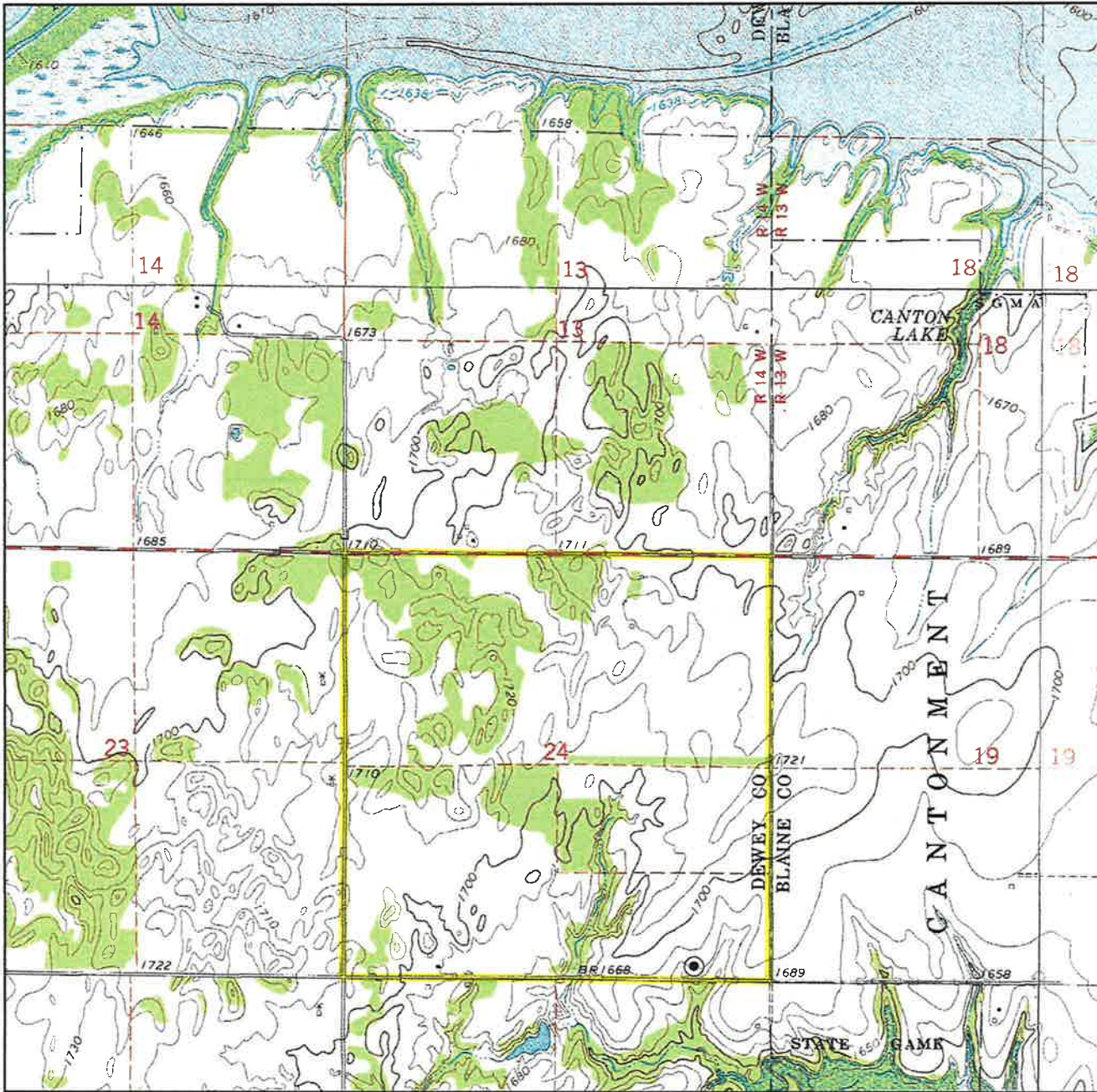
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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. 24 Twp. 19N Rng. 14W I.M.

County DEWEY State OK

Operator TAPSTONE ENERGY

Description 175'FSL-925'FEL

Lease JAYCEE 24/13-19-14 3H

Elevation 1683' 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.



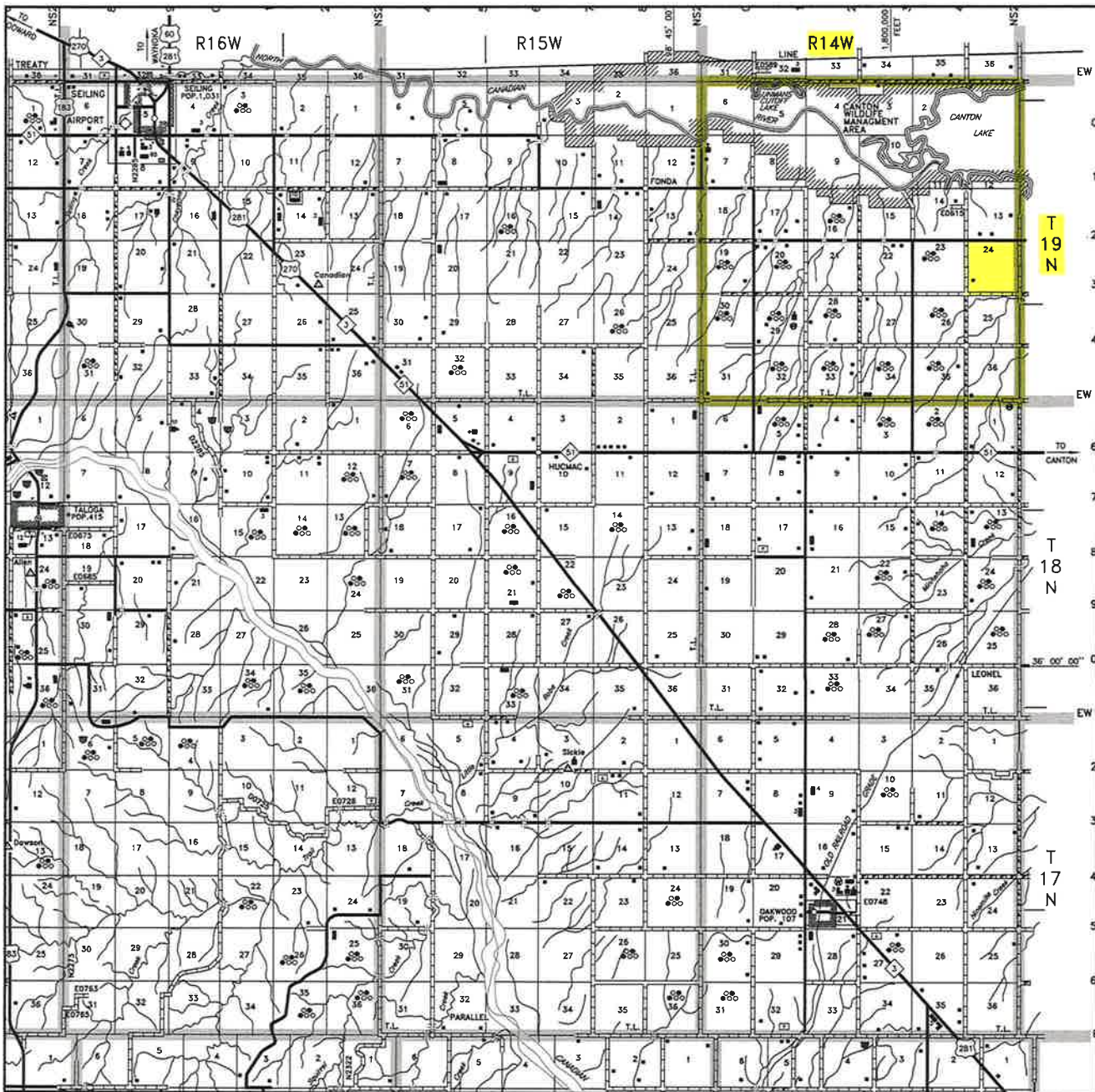
LAND SURVEYORS OF OKLAHOMA

Jan. 28, 2019

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

VICINITY MAP



Scale: 1" = 3 Miles

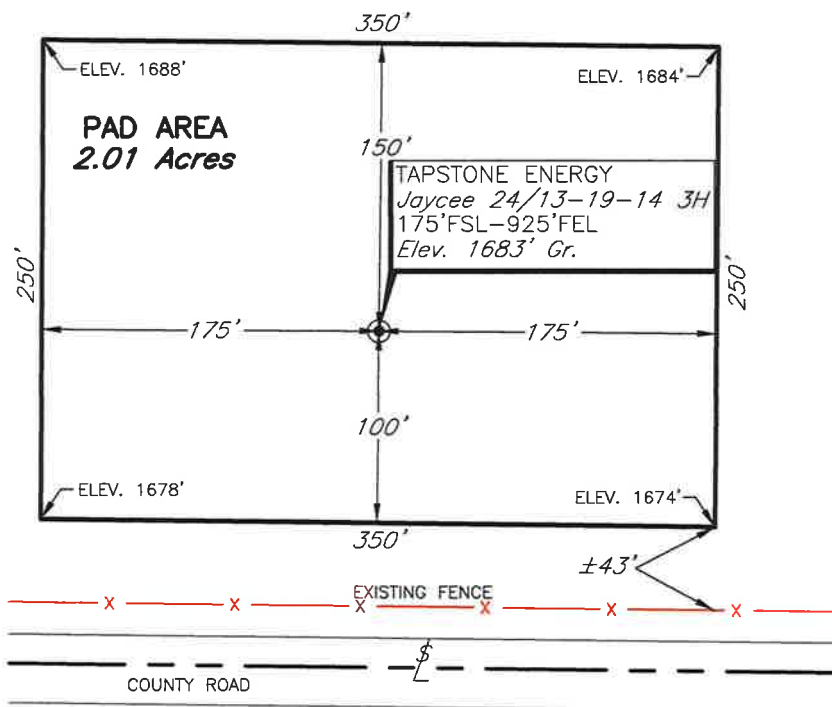
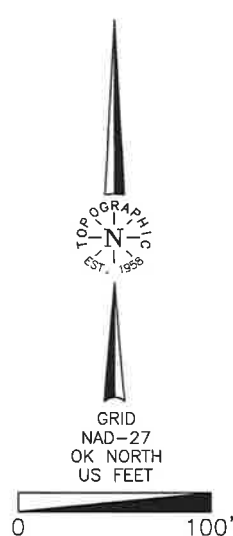
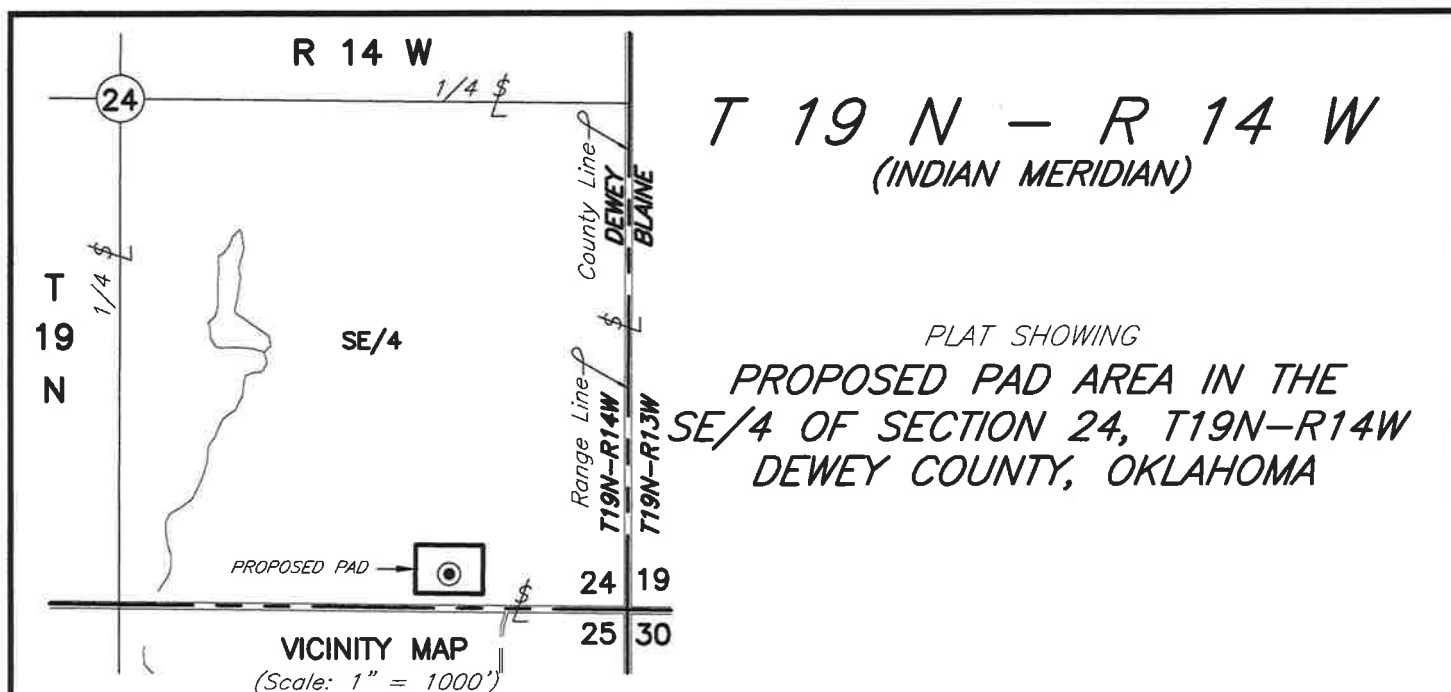
Sec. 24 Twp. 19N Rng. 14W I.M.

County DEWEY State OK

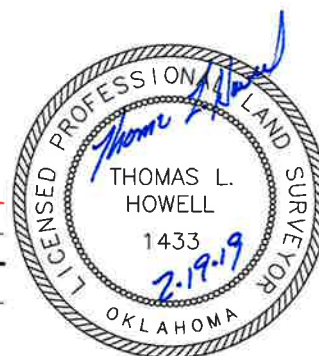
Operator TAPSTONE ENERGY



LAND SURVEYORS OF OKLAHOMA



**SECTION 24
SE/4**



NOTE:

The information shown herein
is for construction purposes
ONLY.

				This plat was prepared exclusively for		SCALE: 1" = 100'	
				TAPSTONE ENERGY		DATE: 2-19-19	
				and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.		PROJECT NO.: 123401	
NO.	REVISION	DATE	BY	SURVEYING AND MAPPING BY		FILE NAME: L2222A.DWG	
SURV. BY: PJ 1-28-19				TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA		DRAWING NO.: 120010-L2-222-A	
DRAWN BY: KH				13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847		SHEET 1 OF 1	
APPROVED BY: TH				Certificate of Authorization No. 1293 LS			