

API NUMBER: 043 23707 A

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

Approval Date: 07/11/2019
Expiration Date: 01/11/2021

Horizontal Hole Oil & Gas

Amend reason: CHANGE SHL AND UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 24 Township: 19N Range: 14W County: DEWEY

SPOT LOCATION: SE SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 200 925

Lease Name: JAYCEE 24/13-19-14 Well No: 3H Well will be 200 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	Code	Depth
1 MISSISSIPPIAN (LESS CHESTER)	359MSNLC	9600

Spacing Orders: 686480

Location Exception Orders: 694673

Increased Density Orders: 707692

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 19400

Ground Elevation: 1683

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 160

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36749
H. SEE MEMO

PIT 1 INFORMATION

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

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

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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.

HORIZONTAL HOLE 1

Section: 13	Township: 19N	Range: 14W	Total Length: 9672
County: DEWEY			Measured Total Depth: 19400
Spot Location of End Point: N2	N2	NE	NE
Feet From: NORTH	1/4 Section Line: 150		True Vertical Depth: 9600
Feet From: EAST	1/4 Section Line: 660		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
INCREASED DENSITY - 707692 (201901585)	3/10/2020 - GC2 - 13 & 24-19N-14W X686480 MSNLC 3 WELLS TAPSTONE ENERGY, LLC 1-21-2020
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 (201901586)	3/10/2020 - GC2 - (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
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
SPACING - 686480	7/9/2019 - G58 - (1280)(HOR) 13 & 24-19N-14W VAC 121423 MSSSD EST MSNLC POE TO BHL NCT 660' FB

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

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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 23707 JAYCEE 24/13-19-14 3H

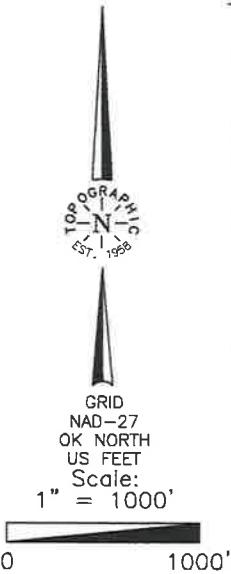
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

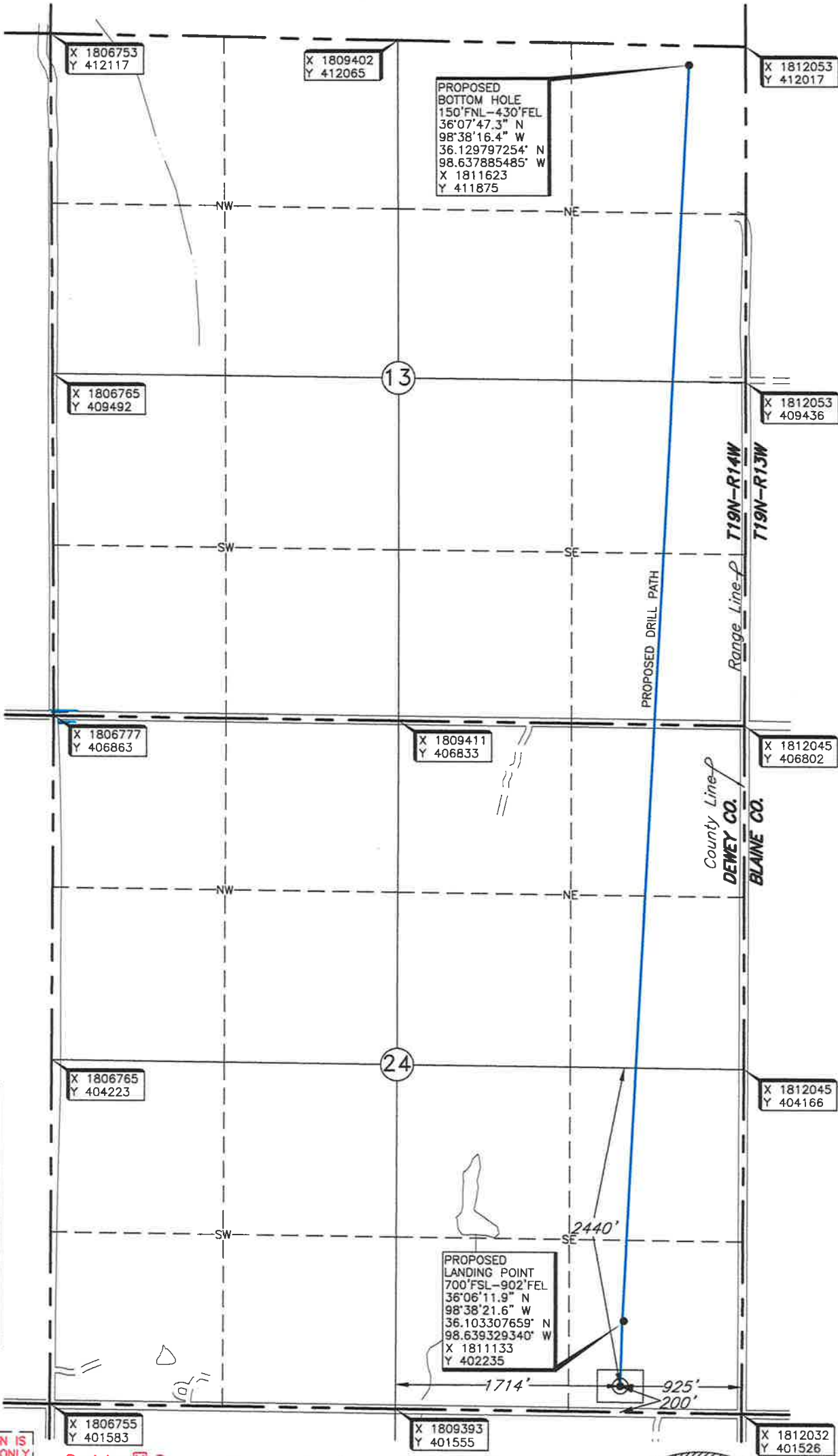
200'FSL-925'FEL Section 24 Township 19N Range 14W I.M.



Operator: TAPSTONE ENERGY
Lease Name: JAYCEE 24/13-19-14
Topography & Vegetation Location fell in rolling pasture
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:
1685' Gr. at Stake

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27
LAT: 36°06'07.0" N
LONG: 98°38'21.9" W
LAT: 36.101935431° N
LONG: 98.639404108° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 1811108
Y: 401736



Revision ☒ B

Date of Drawing: July 19, 2019

Project # 123401

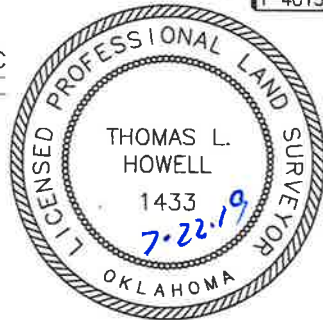
Date Staked: July 15, 2019

LC

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

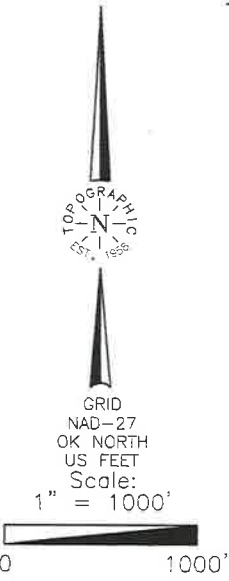


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DEWEY County, Oklahoma

200'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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Reference Stakes or Alternate Location Stakes Set None

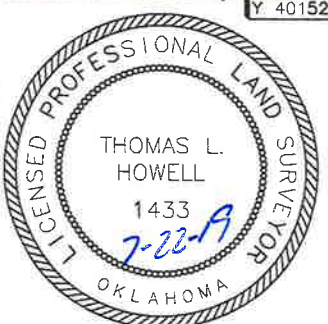
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I, Thomas L. Howell an Oklahoma Licensed Land
Surveyor and an authorized agent of Topographic Land
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information shown herein.

Thomas L. Howell
Oklahoma Lic. No. 1433



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LAT: 36°06'07.0" N
LONG: 98°38'21.9" W
LAT: 36.101935431° N
LONG: 98.639404108° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 1811108
Y: 401736

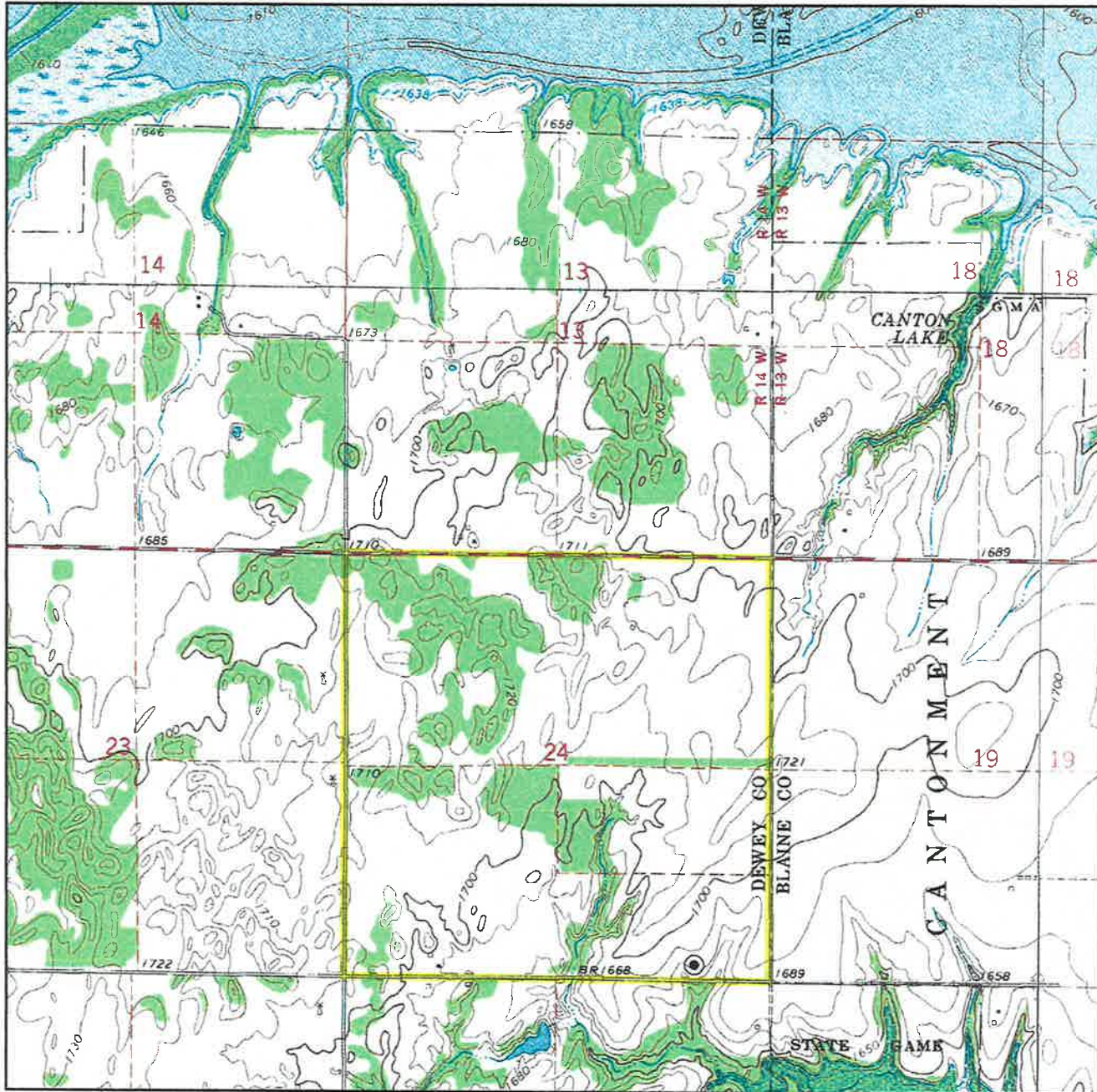
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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 200' FSL-925' FEL

Lease JAYCEE 24/13-19-14 3H

Elevation 1685' 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

July 15, 2019

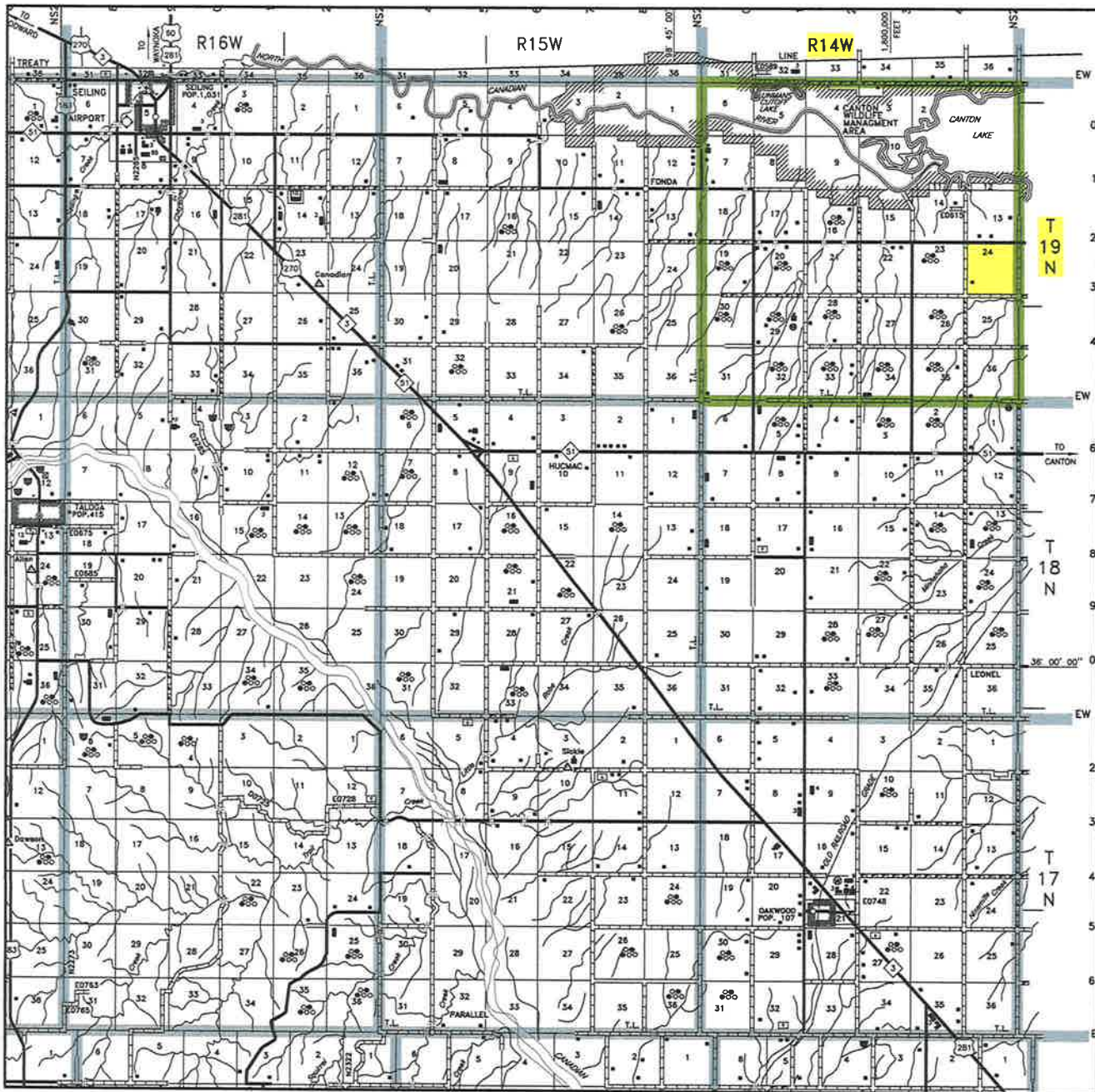
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VICINITY MAP



Scale: 1" = 3 Miles

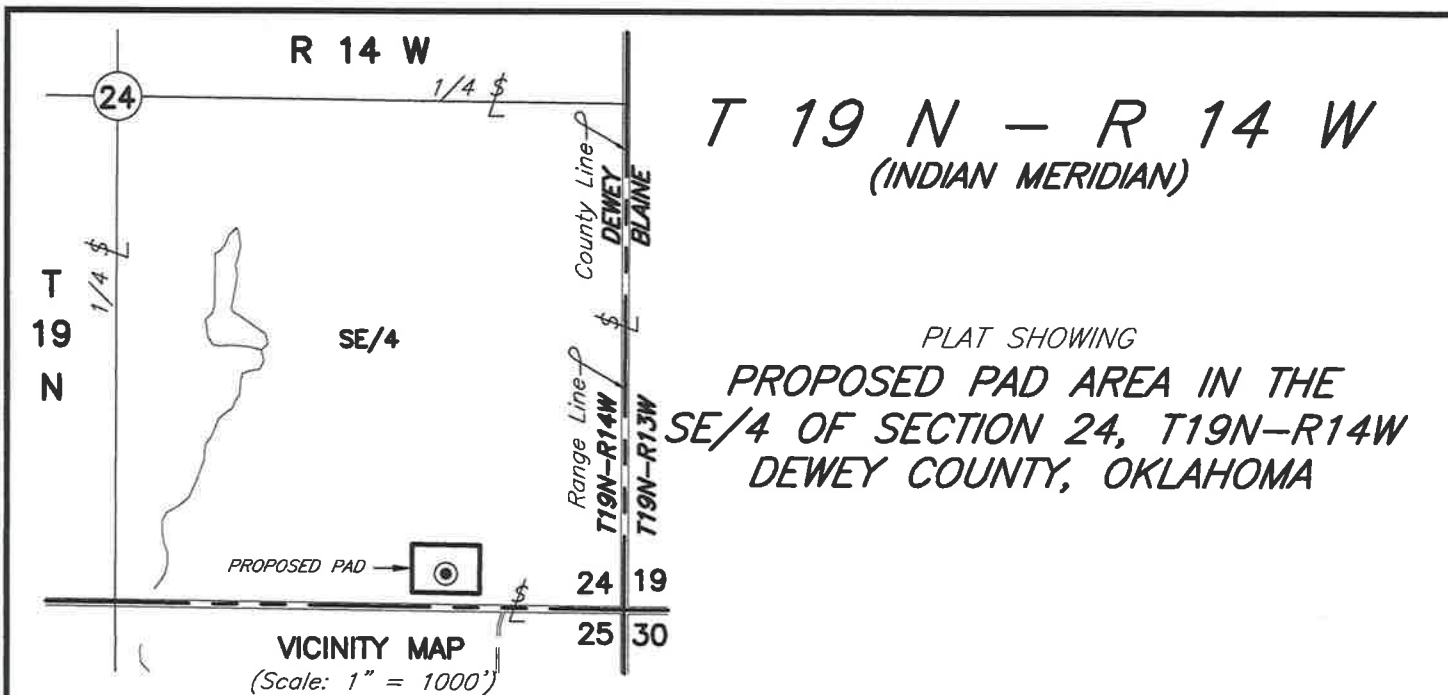
Sec. 24 Twp. 19N Rng. 14W I.M.

County DEWEY State OK

Operator TAPSTONE ENERGY

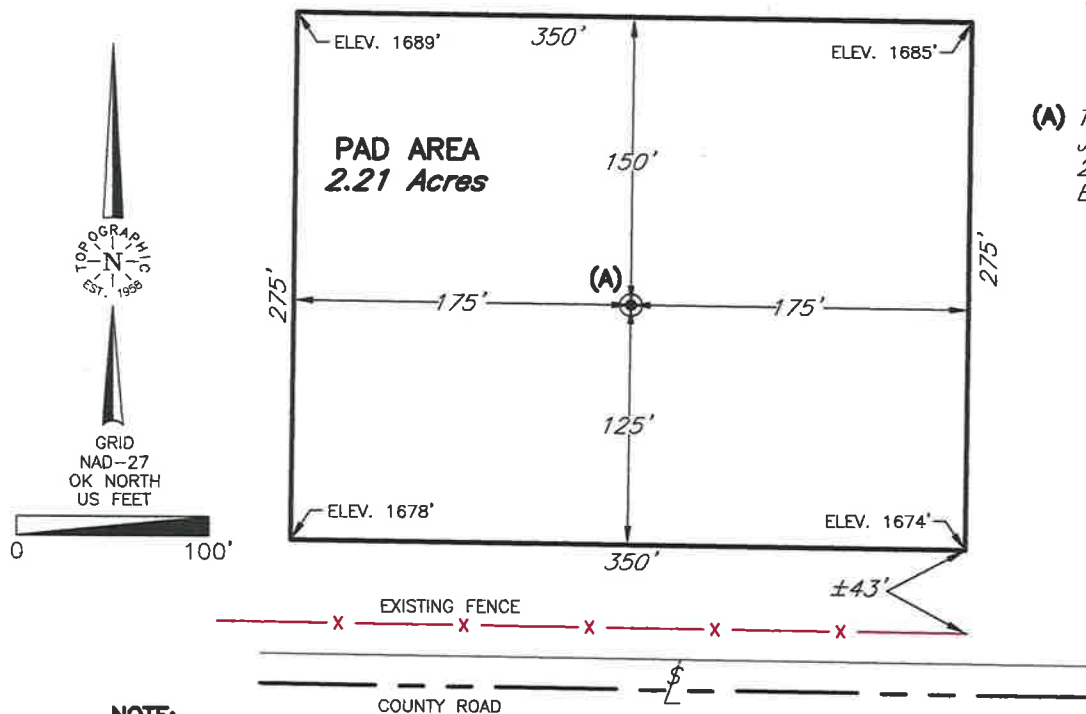


LAND SURVEYORS OF OKLAHOMA



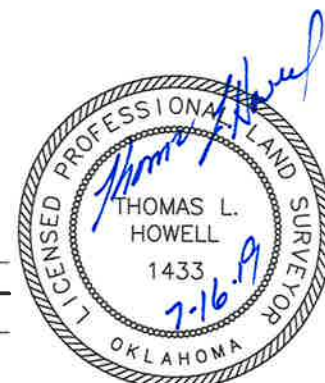
SECTION 24
SE/4

(A) TAPSTONE ENERGY
Jaycee 24/13-19-14 3H
200'FSL-925'FEL
Elev. 1685' Gr.



NOTE:

The information shown herein
is for construction purposes
ONLY.



				This plat was prepared exclusively for		SCALE: 1" = 100'	
1	MOVED LOCATION	7/16/19	LC	TAPSTONE ENERGY		DATE: 7-16-19	
NO.	REVISION	DATE	BY	and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.		PROJECT NO.: 123401	
SURV. BY: ST 7-15-19				SURVEYING AND MAPPING BY		FILE NAME: L2222A.DWG	
DRAWN BY: LC				TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA		DRAWING NO.: 120010-L2-222-A	
APPROVED BY: TH				13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847		SHEET 1 OF 1	
				Certificate of Authorization No. 1293 LS			