

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

API NUMBER: 043 23684

Approval Date: 01/18/2019

Expiration Date: 07/18/2020

Horizontal Hole
Multi Unit
Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 19N Rge: 17W County: DEWEY
SPOT LOCATION: ☐ SW ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 475 2000

Lease Name: RANDI 18/7-19-17 Well No: 3H Well will be 475 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

RANDI LYNN COLE AND RON D. COLE
ROUTE 2, BOX 153
DANIELE LYNN COLE AND RON D. COLE
VICI OK 73859

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	11100	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 657193
651262

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810732
201810731
201810730
201810729

Special Orders:

Total Depth: 21700 Ground Elevation: 1951 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 240

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: 19-36086
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 07 Twp 19N Rge 17W County DEWEY

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 10485

Radius of Turn: 633

Direction: 5

Total Length: 10220

Measured Total Depth: 21700

True Vertical Depth: 11100

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

Notes:

Category

Description

DEEP SURFACE CASING

1/11/2019 - 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

1/11/2019 - 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

1/11/2019 - 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

MEMO

1/11/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

043 23684 RANDI 18/7-19-17 3H

Category	Description
PENDING CD - 201810729	1/18/2019 - G58 - 18-19N-17W X651262 MSSP 2 WELLS NO OP. NAMED HEARING 1/22/2019
PENDING CD - 201810730	1/18/2019 - G58 - 7-19N-17W X657193 MSSP 2 WELLS NO OP. NAMED HEARING 1/22/2019
PENDING CD - 201810731	1/18/2019 - G58 - (E.O.) 18 & 7-19N-17W EST MULTIUNIT HORIZONTAL WELL X651262 MSSP 18-19N-17W X657193 MSSP 7-19N-17W 50% 18-19N-17W 50% 7-19N-17W NO OP. NAMED REC 1/11/2019 (MINMIER)
PENDING CD - 201810732	1/18/2019 - G58 - (E.O.) 18 & 7-19N-17W X651262 MSSP 18-19N-17W X657193 MSSP 7-19N-17W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (18-19N-17W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (7-19N-17W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FEL NO OP. NAMED REC 1/11/2019 (MINMIER)
SPACING - 651262	1/18/2019 - G58 - (643.68)(IRR. UNIT) 18-19N-17W VAC 78413 MCSTR EST MSSP, OTHERS
SPACING - 657193	1/18/2019 - G58 - (642.4)(IRR. UNIT) 7-19N-17W VAC 85657 MCSTR EST MSSP, OTHERS

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

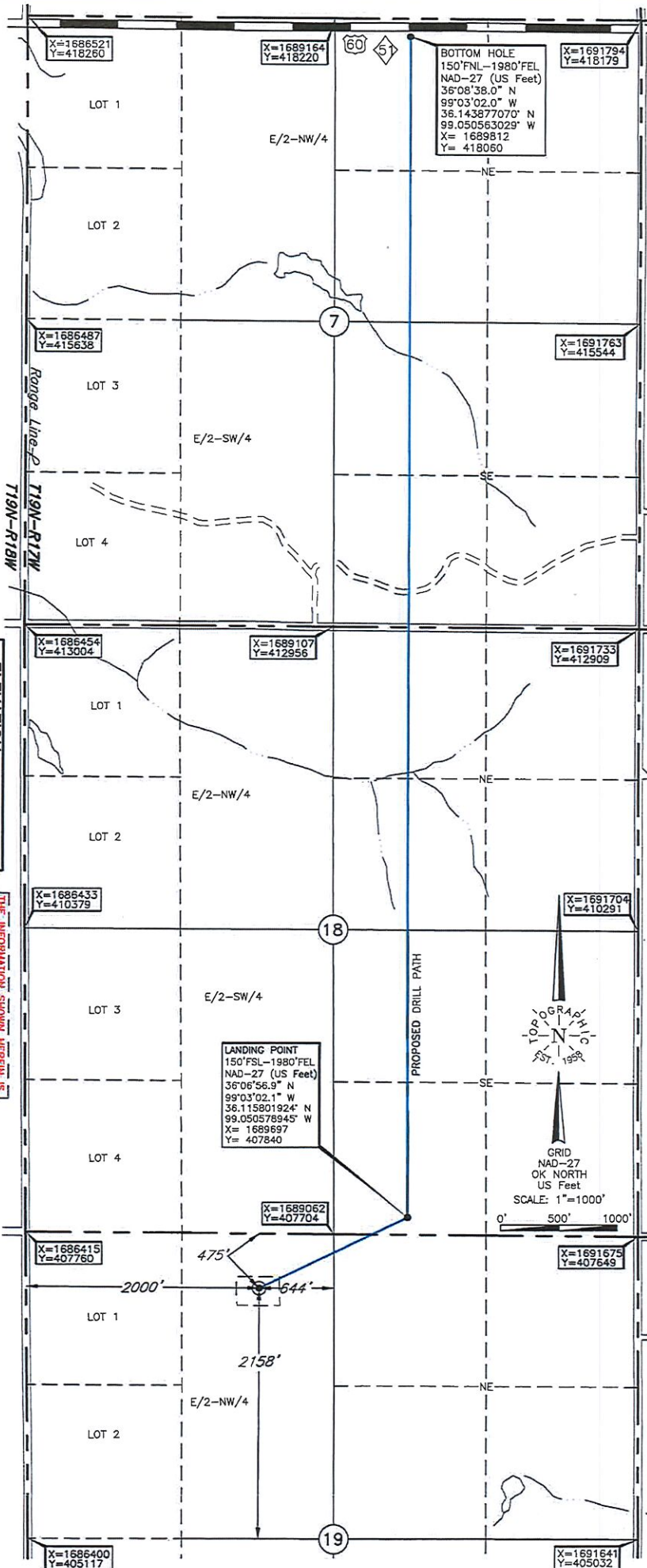
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

LANDING POINT BOTTOM HOLE AND DRILL PATH INFORMATION
PROPOSED BY OPERATOR LISTED NOT SURVEYED

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 • LOCAL (405) 943-4847 • OUT OF STATE (800) 654-3219
DEWEY Certificate of Authorization No. 1203 LS
475' FNL - 2000' FNL Section 19 Township 19N Range 17W I.M.

043-23684



ELEVATION:
1951' Gr. at Stake

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY

SS

Date of Drawing: Dec. 14, 2018
Invoice # 308172A Date Staked: Dec. 13, 2018

CERTIFICATE:

I, Thomas L. Howell, on 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



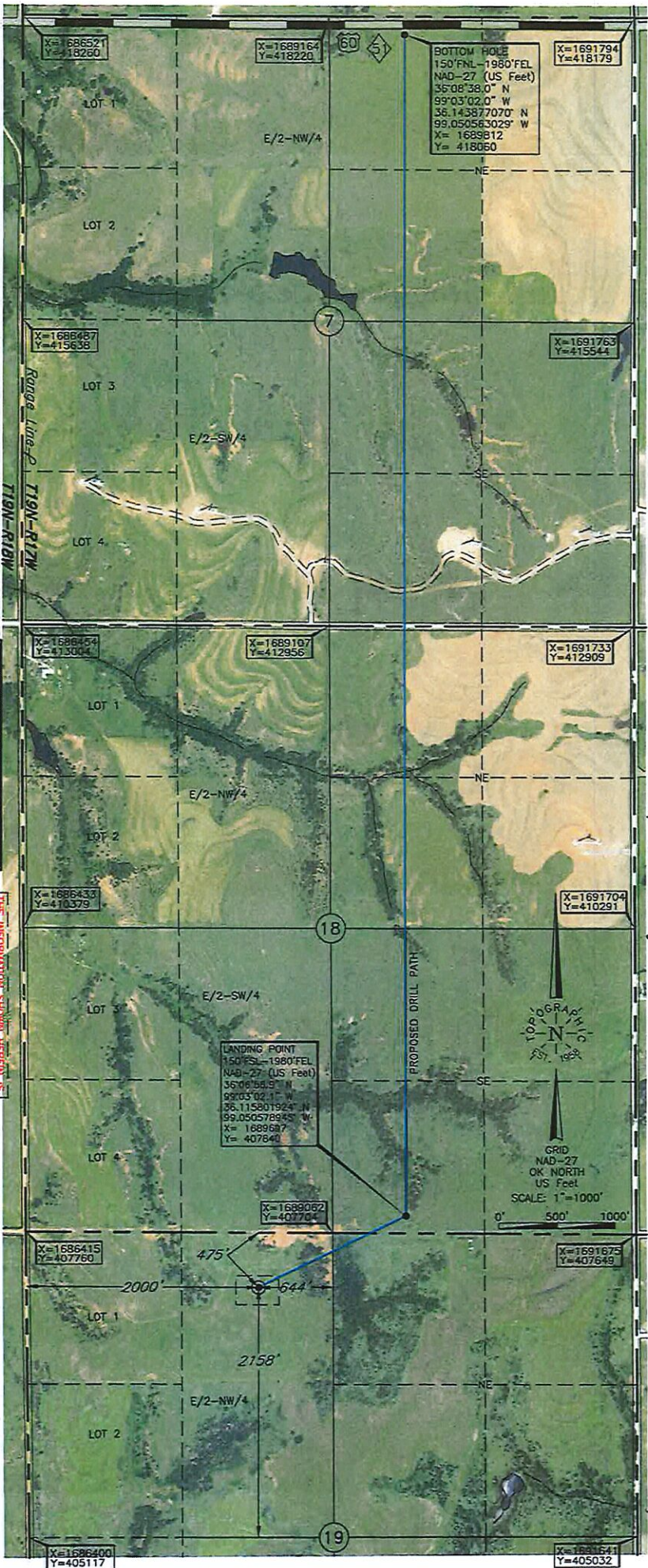
Operator: TAPSTONE ENERGY
Lease Name: RANDI 18/7-19-17 Well No.: 3H
Topography & Vegetation LOC. FELL IN ROLLING PASTURE
Good Drill Site? Yes Reference Stokes or Alternate Location
Stokes Set NONE
Best Accessibility to Location FROM WEST OFF COUNTY ROAD
Distance & Direction FROM JCT. US HWY. 281 AND ST. HWY. 51 IN SELLING, OK. GO ±7.7 MILES
FROM Hwy Jct or Town WEST ON HWY 51/US HWY 60, THEN ±2 MILES SOUTH TO THE NW COR. OF SEC. 19-T19N-R17W

DATUM: NAD-27
LAT: 36°06'50.8" N
LONG: 99°03'17.7" W
LAT: 36.114120932° N
LONG: 99.054909511° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1688411
Y: 407242

(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.)

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

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219
DEWEY Certificate of Authorization No. 1293 LS
Section 19 Township 19N Range 17W I.M.



ELEVATION:
1951' Gr. at Stake

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY

Operator: TAPSTONE ENERGY
Lease Name: RAND 18/7-19-17 Well No.: 3H
Topography & Vegetation LOC. FELL IN ROLLING PASTURE
Reference Stakes or Alternate Location
Good Drill Site? Yes Stakes Set NONE
Best Accessibility to Location FROM WEST OFF COUNTY ROAD
Distance & Direction FROM JCT. US HWY. 281 AND ST. HWY. 51 IN SELLING, OK, GO ±7.7 MILES
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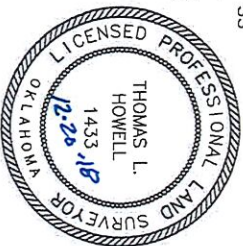
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Date of Drawing: Dec. 14, 2018
Invoice # 308172A Date Staked: Dec. 13, 2018

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Oklahoma Lic. No. 1433



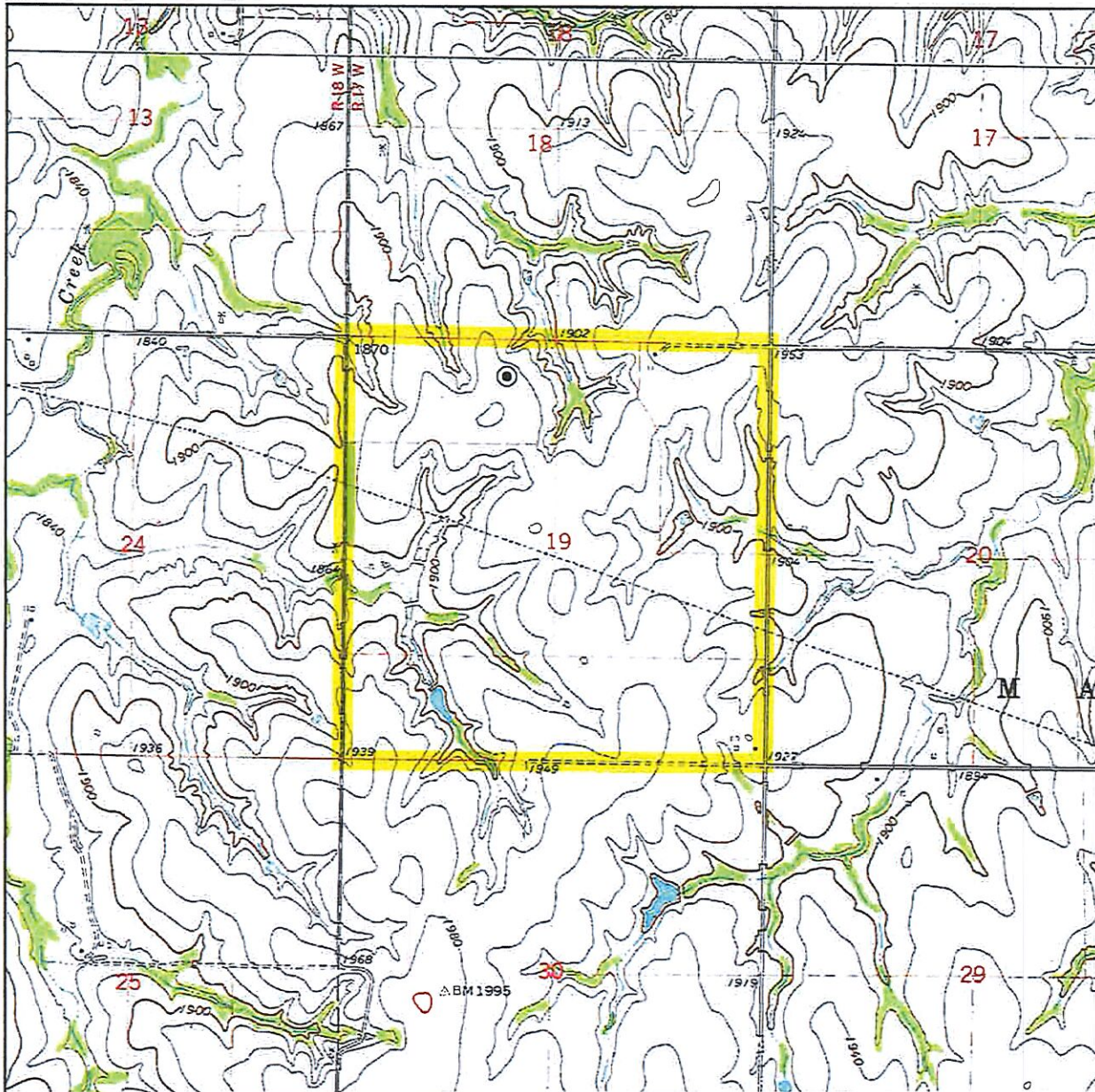
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Okla. City, Okla. 73134 * local (405) 843-4847 * out of state (800) 654-3219

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

LOCATION & ELEVATION VERIFICATION MAP



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

County DEWEY State OK

Operator TAPSTONE ENERGY

Description 475' FNL-2000' FWL

Lease RANDI 18/7-19-17 3H

Elevation 1951' 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.



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

LAND SURVEYORS OF OKLAHOMA

Dec. 13, 2018

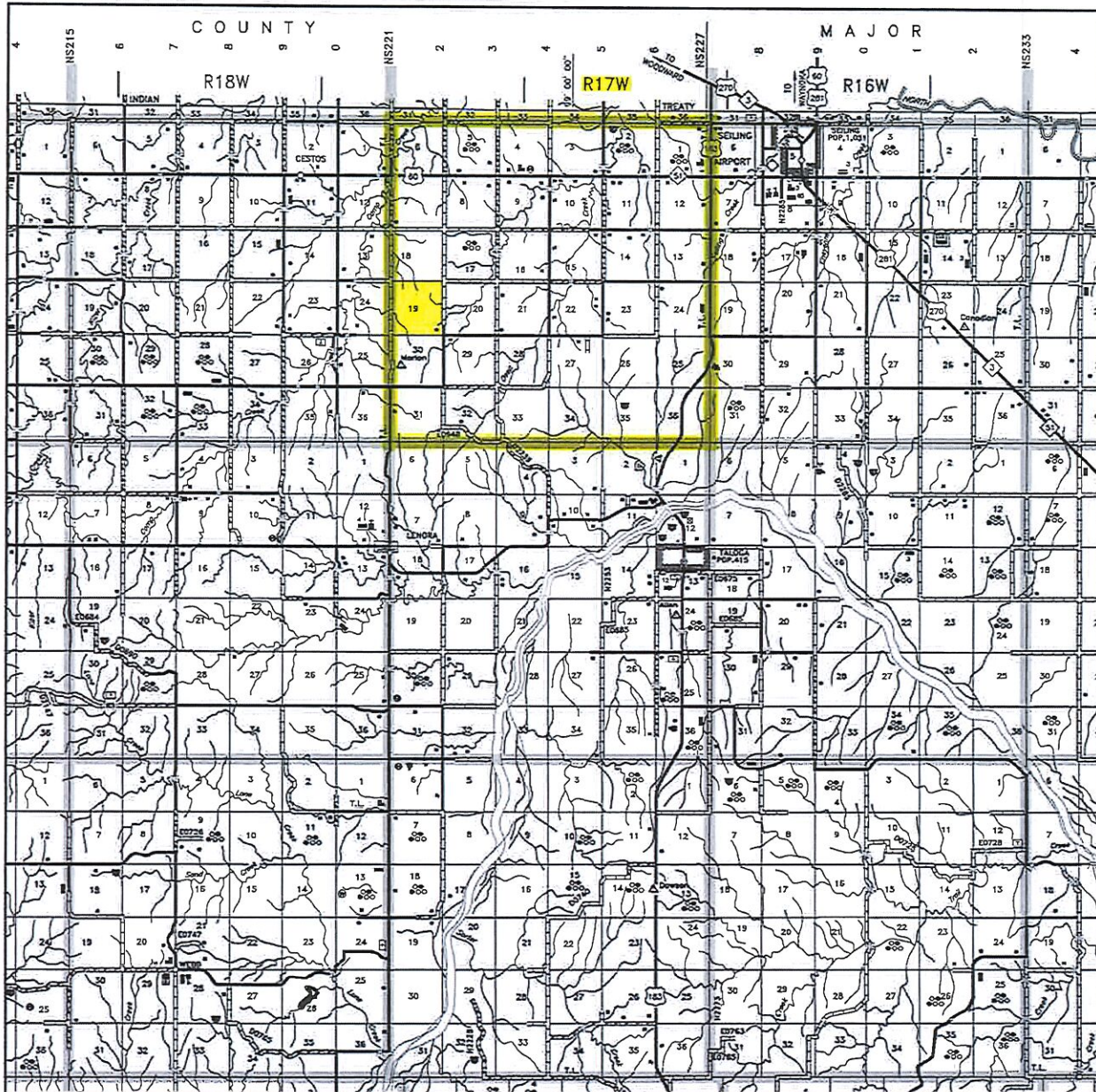
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Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

VICINITY MAP



Scale: 1" = 3 Miles

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

County DEWEY State OK

Operator TAPSTONE ENERGY



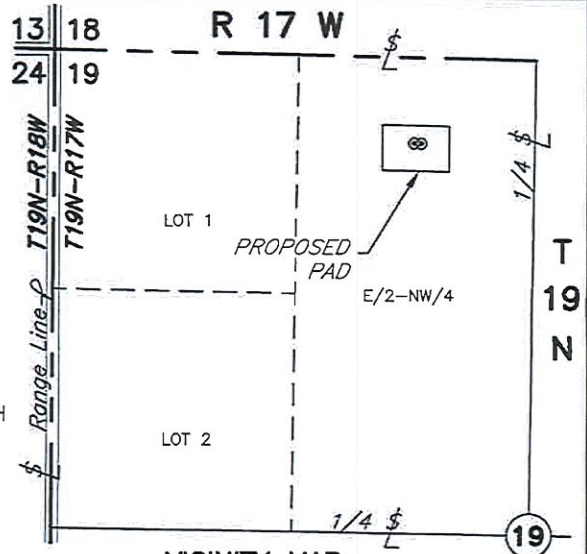
LAND SURVEYORS OF OKLAHOMA

T 19 N - R 17 W
(INDIAN MERIDIAN)

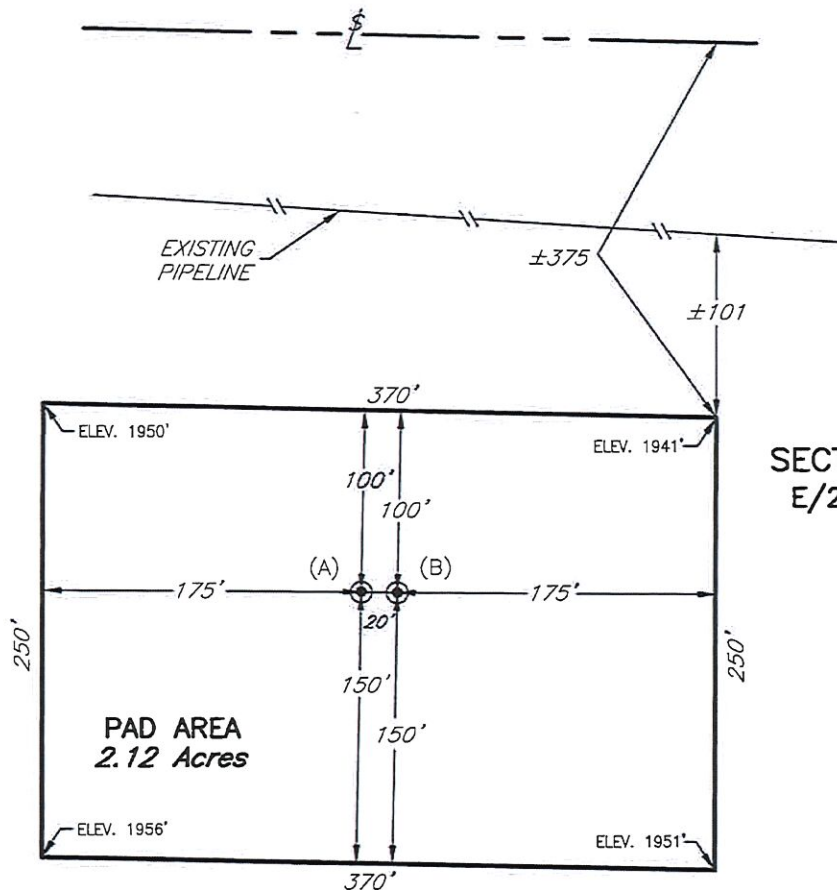
PLAT SHOWING
**PROPOSED PAD AREA IN THE
E/2-NW/4 OF SECTION 19, T19N-R17W
DEWEY COUNTY, OKLAHOMA**

(A) TAPSTONE ENERGY
RANDI 18/7-19-17 4H
475'FNL-1980'FWL
Elev. 1951' Gr.

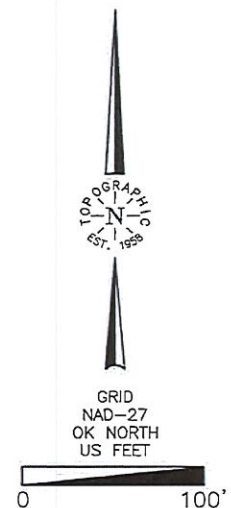
(B) TAPSTONE ENERGY
RANDI 18/7-19-17 3H
475'FNL-2000'FWL
Elev. 1951' Gr.



VICINITY MAP
(Scale: 1" = 1000')



**SECTION 19
E/2-NW/4**



1	WELL LOCATION (B)	12/19/18	SS
NO.	REVISION	DATE	BY
SUR. BY:	ES	12-13-18	
DRAWN BY:	SS		
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:	12-17-18
INVOICE NO.:	308172
FILE NAME:	L2217A.DWG
DWG NO.:	120010-L2-217-A
SHEET 1	OF 1