

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

API NUMBER: 043 23529

Approval Date: 06/30/2017
Expiration Date: 12/30/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 19N Rge: 17W County: DEWEY
SPOT LOCATION: S2 N2 NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 410 660

Lease Name: RANDI 187-19-17 Well No: 1H Well will be 410 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, RON, & DANIELE COLE
ROUTE 2, BOX 153
VICI OK 73859

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

Name	Depth	Name	Depth
1 MISSISSIPPI	11000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 657193
651262

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201703323
201703324

Special Orders:

Total Depth: 21500

Ground Elevation: 1922

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: 17-32745

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 NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 10460

Radius of Turn: 710

Direction: 360

Total Length: 9925

Measured Total Depth: 21500

True Vertical Depth: 11000

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

Notes:

Category

Description

DEEP SURFACE CASING

6/29/2017 - 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

6/29/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

INTERMEDIATE CASING

6/29/2017 - 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

6/29/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201703323

6/29/2017 - G64 - (I.O.) 7 & 18-19N-17W
X651262 MSSP 18-19N-17W
X657193 MSSP 7-19N-17W
COMPL. INT. (18-19N-17W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL
COMPL. INT. (7-19N-17W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL
TAPSTONE ENERGY, LLC
REC. 6-30-2017 (P. PORTER)

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 23529 RANDI 187-19-17 1H

Category	Description
PENDING CD - 201703324	6/29/2017 - G64 - (I.O.) 7 & 18-19N-17W EST MULTIUNIT HORIZONTAL WELL X651262 MSSP 18-19N-17W X657193 MSSP 7-19N-17W 50% 18-19N-17W 50% 7-19N-17W TAPSTONE ENERGY, LLC REC. 6-30-2017 (P. PORTER)
SPACING - 651262	6/29/2017 - G64 - (643.68)(IRR. UNIT) 18-19N-17W VAC 78413 MCSTR EST MSSP, OTHERS
SPACING - 657193	6/29/2017 - G64 - (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.
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.

API: 043 23529

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

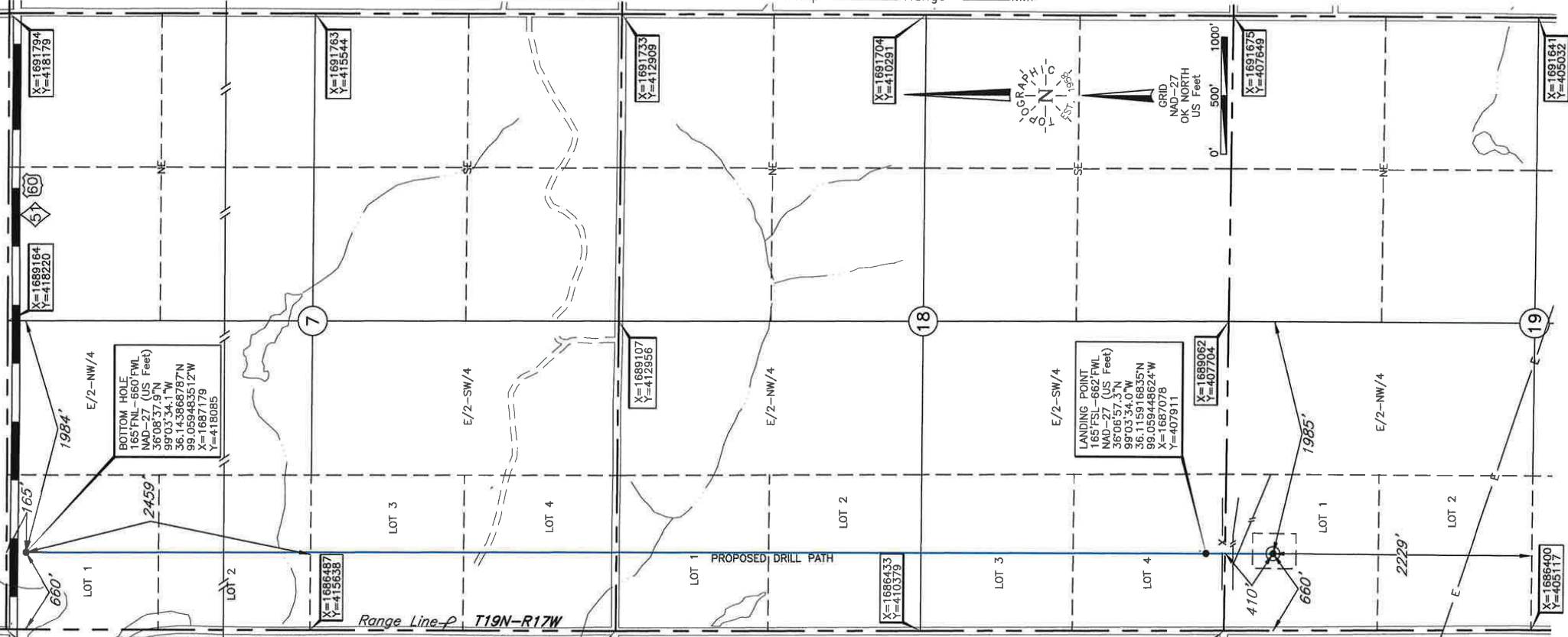
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

DEWEY Certificate of Authorization No. 1293 LS

County, Oklahoma

410'FNL - 660'FWL Section 19 Township 19N Range 17W I.M.

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



X=1686521 Y=418260
Landing Point, Bottom Hole and Drill Path information provided by operator listed, NOT Surveyed.

X=1686454 Y=413004

ELEVATION:
1922' Gr. at Stake

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

X=1686415 Y=407760

Operator: TAPSTONE ENERGY
 Lease Name: RANDI 7/18-19-17 Well No.: 1H
 Topography & Vegetation Loc. fell in rolling grass pasture, ±342' South of E-W pipeline, ±434' South of E-W fence, ±278' SW of NW-SE pipeline
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From West off county road
 Distance & Direction from Hwy Jct or Town From Jct. US Hwy. 281 and St. Hwy. 51 in Seiling, OK, go ±7.7 mi. West on St. Hwy. 51/US Hwy. 60, then ±2.0 mi. South to the NW Cor. of Sec. 19-T19N-R17W


DATUM: NAD-27
 LAT: 36°06'51.6"N
 LONG: 99°03'34.0"W
 LAT: 36.114336849° N
 LONG: 99.059446653° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1687072
 Y: 407336

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

Date of Drawing: May 11, 2017
 Invoice # 275864 Date Staked: May 10, 2017 AC

CERTIFICATE:

I, Lee K. Goss 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. 1778

