

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

API NUMBER: 043 23634

Approval Date: 06/08/2018  
Expiration Date: 12/08/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 19N Rge: 17W County: DEWEY  
SPOT LOCATION:  NW  NE  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 300 775

Lease Name: ANITA 17/8-19-17 Well No: 3H Well will be 300 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

RUSSELL CARTER & DAVA CARTER  
RT. 2, BOX 44  
SEILING OK 73663

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: 657021  
658726

Location Exception Orders:

Increased Density Orders: 678800  
678801

Pending CD Numbers: 201803664  
201803665

Special Orders:

Total Depth: 21500 Ground Elevation: 1948 **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

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34539

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 08 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: 10588

Radius of Turn: 477

Direction: 358

Total Length: 10163

Measured Total Depth: 21500

True Vertical Depth: 11100

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

Notes:

Category

Description

DEEP SURFACE CASING

5/30/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

5/30/2018 - 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](http://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](http://FRACFOCUS.ORG)

INCREASED DENSITY - 678800

6/8/2018 - G75 - 8-19N-17W  
X657021 MSSP  
2 WELLS  
TAPSTONE ENERGY, LLC  
6-6-2018

INCREASED DENSITY - 678801

6/8/2018 - G75 - 17-19N-17W  
X658726 MSSP  
2 WELLS  
TAPSTONE ENERGY, LLC  
6-6-2018

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.

Category	Description
INTERMEDIATE CASING	5/30/2018 - 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	5/30/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201803664	6/8/2018 - G75 - (I.O.) 17 & 8-19N-17W EST MULTIUNIT HORIZONTAL WELL X658726 MSSP 17-19N-17W X657021 MSSP 8-19N-17W 50% 17-19N-17W 50% 8-19N-17W TAPSTONE ENERGY, LLC REC 5-29-2018 (JACKSON)
PENDING CD - 201803665	6/8/2018 - G75 - (I.O.) 17 & 8-19N-17W X658726 MSSP 17-19N-17W X657021 MSSP 8-19N-17W COMPL. INT. (17-19N-17W) NCT 165' FSL, NCT 0' FNL, NCT 660' FWL COMPL. INT. (8-19N-17W) NCT 0' FSL, NCT 165' FNL, NCT 660' FWL TAPSTONE ENERGY, LLC REC 5-29-2018 (JACKSON)
SPACING - 657021	6/8/2018 - G75 - (640) 8-19N-17W VAC 85657 MCSTR EST MSSP, OTHERS
SPACING - 658726	6/8/2018 - G75 - (640)(HOR) 17-19N-17W VAC 78413 MCSTR EST MSSP COMPL. INT. NLT 660' FB

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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  
 PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 DEWEY Certificate of Authorization No. 1299 LS  
 County, Oklahoma  
 Section 20 Township 19N Range 17W 1.M.

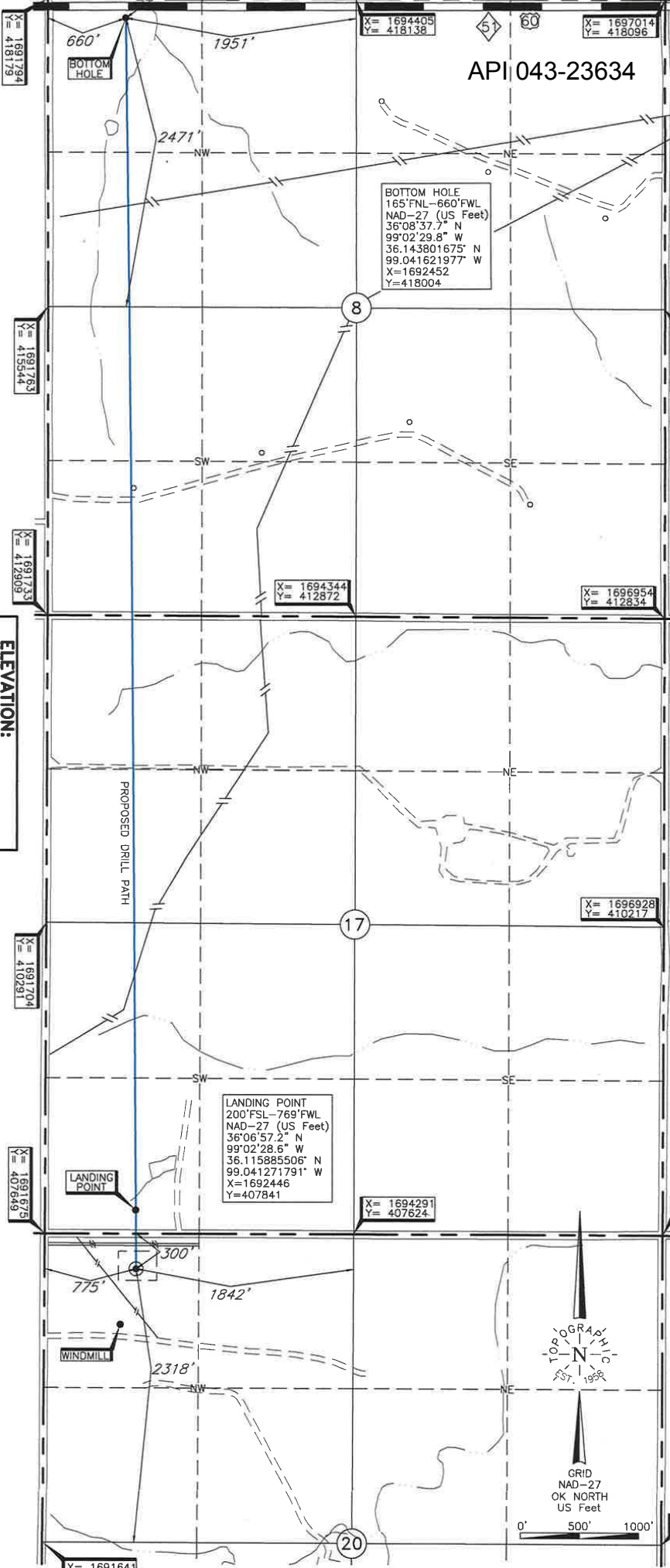
**NOTE:**  
 The information shown herein is for construction purposes ONLY.

X= 1696881  
 Y= 404978

API 043-23634

**BOTTOM HOLE**  
 165' FNL-660' FWL  
 NAD-27 (US Feet)  
 36°08'37.7" N  
 99°02'29.8" W  
 36.143801675' N  
 99.041621977' W  
 X=1692452  
 Y=418004

**LANDING POINT**  
 200' FSL-769' FWL  
 NAD-27 (US Feet)  
 36°06'57.2" N  
 99°02'28.5" W  
 36.115885506' N  
 99.041271791' W  
 X=1692446  
 Y=407841



**ELEVATION:**  
 1948' Gr. at Stake

Operator: TAPSTONE ENERGY  
 Lease Name: ANITA 17/8-19-17  
 Well No.: 3H  
 Topography & Vegetation Loc. fell in sloping posture, ±224' NE of NW-SE pipeline, ±197' South of E-W pipeline  
 Reference Stakes or Alternate Location  
 Stakes Set None  
 Good Drill Site? Yes  
 Best Accessibility to Location From North off county road.  
 Distance & Direction From Sealing, OK, go ±6.75 mi. West on St. Hwy. 51-US Hwy. 60, then ±2.0 mi. South to the NW Cor. of Sec. 20-T19N-R17W

DATUM: NAD-27  
 LAT: 36°06'52.2"N  
 LONG: 99°02'28.5"W  
 LAT: 36.114512012°N  
 LONG: 99.041254568°W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1692446  
 Y: 407341

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

Date of Drawing: Apr. 04, 2018  
 Invoice # 291632 Date Staked: Apr. 02, 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.

Thomas L. Howell  
 Oklahoma Lic. No. 1433

