

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

API NUMBER: 043 23459

Approval Date: 05/10/2016  
Expiration Date: 11/10/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 18N Rge: 17W County: DEWEY  
SPOT LOCATION: S2 S2 S2 SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 200 1320

Lease Name: DRINNON 32-18-17 Well No: 1H 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

BRANDON DRINNON AND AMANDA DRINNON  
222639 E. 710 ROAD  
TALOGA OK 73667

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	12900	6
2			7
3			8
4			9
5			10

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201601482  
201601483

Special Orders:

Total Depth: 17500 Ground Elevation: 1717 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 110

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31255  
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER)

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.

HORIZONTAL HOLE 1

Sec 32 Twp 18N Rge 17W County DEWEY

Spot Location of End Point: N2 N2 N2 NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 12405

Radius of Turn: 662

Direction: 360

Total Length: 4055

Measured Total Depth: 17500

True Vertical Depth: 12900

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

Notes:

Category	Description
DEEP SURFACE CASING	5/10/2016 - 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	5/10/2016 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> 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	5/10/2016 - 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
PENDING CD - 201601482	5/10/2016 - G60 - (640)(HOR) 32-18N-17W VAC 185171 CSTR EST MSSP COMPL. INT. NLT 660' FB REC. 5-9-16 (DUNN)
PENDING CD - 201601483	5/10/2016 - G60 - (I.O.) 32-18N-17W X201601482 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1000' FEL NO OP. NAMED REC. 5-9-16 (DUNN)

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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.

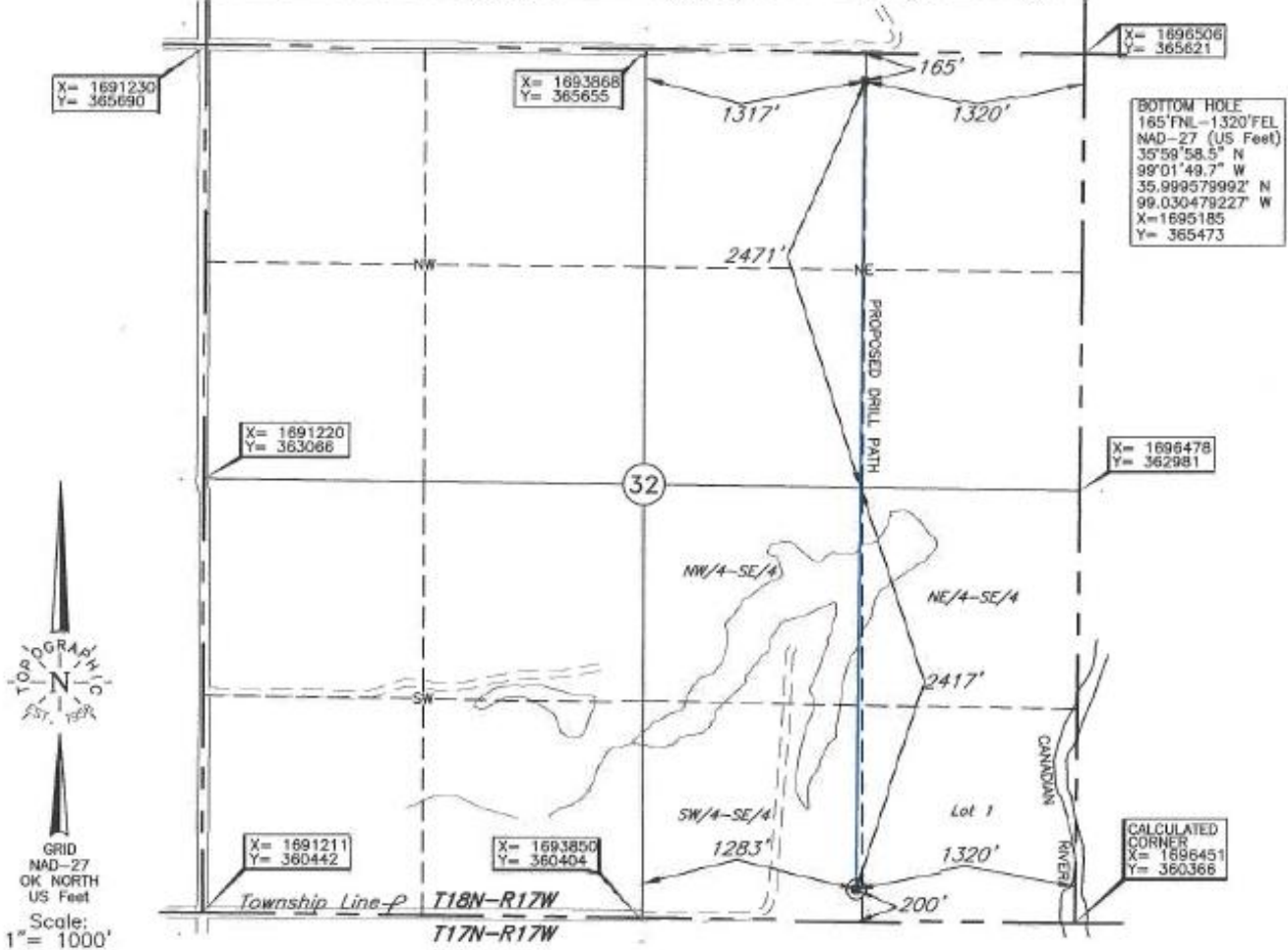
**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73118 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293 LS

DEWEY

County, Oklahoma

200'FSL - 1320'FEL Section 32 Township 18N Range 17W I.M.



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

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

Operator: TAPSTONE ENERGY

Lease Name: DRINNON 32-18-17

Well No.: 1H **ELEVATION:** 1717' Gr. at Stake

Topography & Vegetation Loc. fell in alfalfa field

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South Line

Distance & Direction From Lenora, OK, go ±3.5 mi. South on paved road, then ±1.0 mi. East to the SW Cor. of Sec. 32-T18N-R17W

Date of Drawing: Mar. 07, 2016

Invoice # 257297 Date Staked: Mar. 04, 2016 AC

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

DATUM: NAD-27  
 LAT: 35°59'10.1"N  
 LONG: 99°01'49.7"W  
 LAT: 35.986152394° N  
 LONG: 99.030478437° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1695133  
 Y: 360585

**CERTIFICATE:**

I, T. Wayne Fisch an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

T. Wayne Fisch  
 Oklahoma Lic. No. 1378

