

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

API NUMBER: 043 23702

Approval Date: 05/29/2019

Expiration Date: 11/29/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 19N Rge: 18W County: DEWEY

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 200 700

Lease Name: RAPP 12/1-19-18

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

SHARON WALKER & MICHAEL CUNNINGHAM, CO-TRUSTEES
1456 RED BLUFF VIEW
FREEDOM OK 73842

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	11400	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 647113
648233
695378

Location Exception Orders: 695379

Increased Density Orders: 695375
694333

Pending CD Numbers: 201902608

Special Orders:

Total Depth: 21750

Ground Elevation: 1848

Surface Casing: 390

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: 19-36553

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 01 Twp 19N Rge 18W County DEWEY

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 700

Depth of Deviation: 10792

Radius of Turn: 573

Direction: 360

Total Length: 10058

Measured Total Depth: 21750

True Vertical Depth: 11400

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

Notes:

Category

Description

HYDRAULIC FRACTURING

4/30/2019 - 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 - 694333

5/2/2019 - G75 - 12-19N-18W
X647113 MSSP
3 WELLS
TAPSTONE ENERGY, LLC
4-9-2019

INCREASED DENSITY - 695375

5/1/2019 - G75 - 1-19N-18W
X648233 MSSP
3 WELLS
TAPSTONE ENERGY, LLC
4-30-2019

INTERMEDIATE CASING

4/30/2019 - 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

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

043 23702 RAPP 12/1-19-18 3H

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
LOCATION EXCEPTION - 695379	5/1/2019 - G75 - (I.O.) 12 & 1-19N-18W X647113 MSSP 12-19N-18W X648233 MSSP 1-19N-18W COMPL. INT. (12-19N-18W) NCT 150' FSL, NCT 0' FNL, NCT 560' FWL COMPL. INT. (1-19N-18W) NCT 0' FSL, NCT 150' FNL, NCT 560' FWL TAPSTONE ENERGY, LLC 4-30-2019
MEMO	4/30/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CAMP CREEK); PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201902608	5/8/2019 - G75 - (I.O.) 12-19N-18W X165:10-3-28(C)(2)(B) MSSP (RAPP 12/1-19-18 3H) NCT 350' TO ELAINE 12/13-19-18 3H NO OP. NAMED REC 5-28-2019 (DENTON)
SPACING - 647113	5/1/2019 - G75 - (640)(HOR) 12-19N-18W VAC 82101 MCSTR EXT 644112 MSSP COMPL. INT. NLT 660' FB
SPACING - 648233	5/1/2019 - G75 - (640)(HOR) 1-19N-18W VAC 119799 MCSTR EXT 644112 MSSP COMPL. INT. NLT 660' FB
SPACING - 695378	5/1/2019 - G75 - (I.O.) 12 & 1-19N-18W EST MULTIUNIT HORIZONTAL WELL X647113 MSSP 12-19N-18W X648233 MSSP 1-19N-18W 50% 12-19N-18W 50% 1-19N-18W TAPSTONE ENERGY, LLC 4-30-2019

API 043-23702

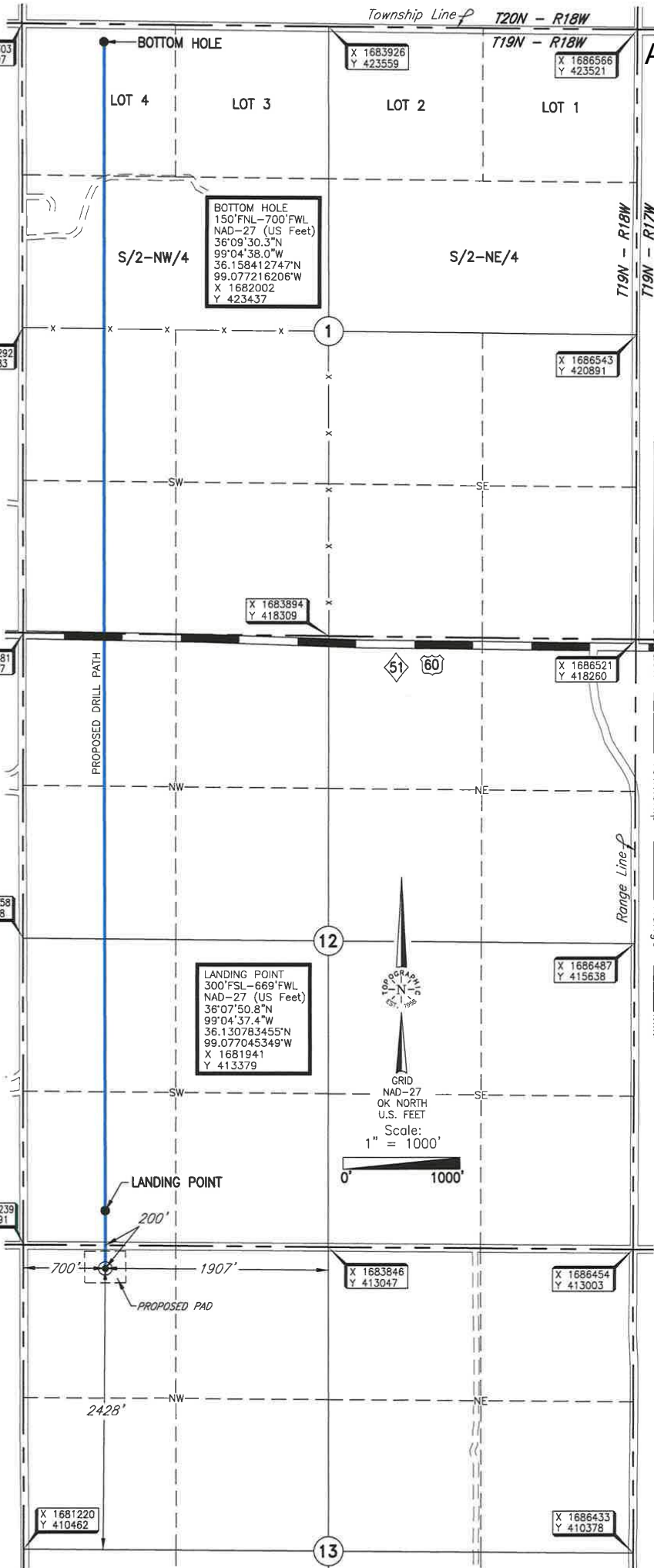
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK, 73134 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219

DEWEY Certificate of Authorization No. 1293 LS

County, Oklahoma

200' FNL - 700' FWL Section 13 Township 19N Range 18W 1.M.



Operator: TAPSTONE ENERGY
 Lease Name: RAPP 12/1-19-18 Well No.: 3H
 Topography & Vegetation: Location fell in terraced wheat field
 Good Drill Site? Yes Reference Stakes or Alternate Location: Stakes Set None
 Best Accessibility to Location: From North off county road.
 Distance & Direction: From Sealing, OK, go ±8.7 mi. West on US Hwy. 60/St. Hwy. 51, then ±1 mile South to the NW Corner of Section 13, T19N - R18W.

ELEVATION:

1848' Gr. at Stake

DATUM: NAD-27
 LAT: 36°07'45.9"N
 LONG: 99°04'37.3"W
 LAT: 36.129409910"N
 LONG: 99.077037075"W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1681938
 Y: 412879

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

NOTE:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY
- LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

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



Revision ☒ B Date of Drawing: March 13, 2019 RKM
 Project # 124414 Date Staked: March 12, 2019