

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

API NUMBER: 043 23703

Approval Date: 05/29/2019

Expiration Date: 11/29/2020

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 19N Rge: 18W County: DEWEY

SPOT LOCATION:     FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 1750 1320

Lease Name: RAPP 1/12-19-18

Well No: 2H

Well will be 1320 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

J. W. COLE & LORETTA GAIL COLE, TRUSTEES  
RT. 2, BOX 67  
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: 647113  
648233  
695376

Location Exception Orders: 695377

Increased Density Orders: 695375  
694333

Pending CD Numbers:

Special Orders:

Total Depth: 19600

Ground Elevation: 1829

Surface Casing: 320

Depth to base of Treatable Water-Bearing FM: 170

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: 19-36552

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 12 Twp 19N Rge 18W County DEWEY

Spot Location of End Point: S2 S2 S2 SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 10586

Radius of Turn: 573

Direction: 180

Total Length: 8114

Measured Total Depth: 19600

True Vertical Depth: 11100

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](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 - 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.

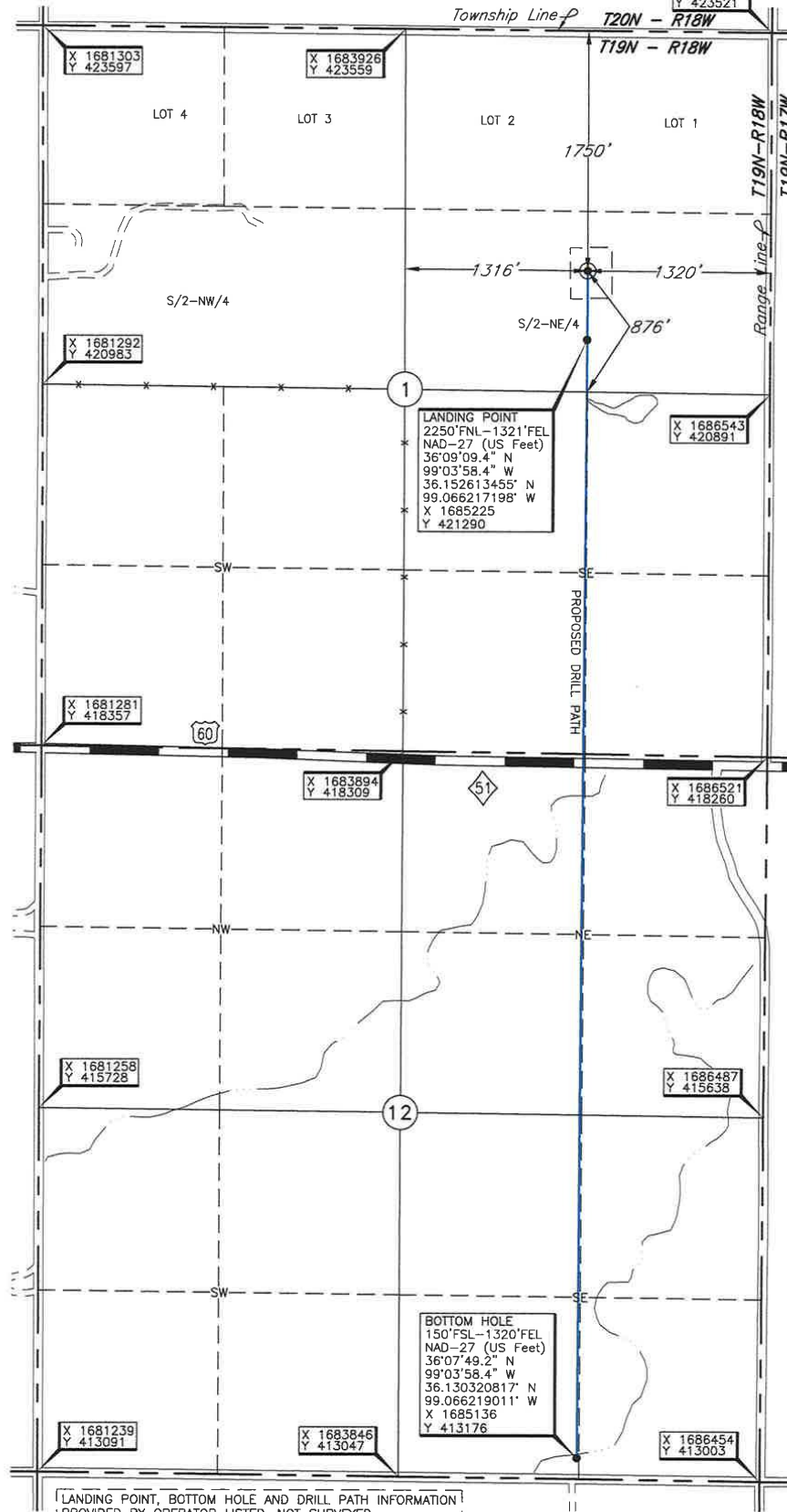
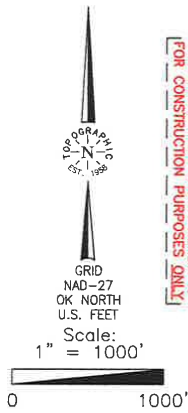
043 23703 RAPP 1/12-19-18 2H

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 - 695377	<p>5/1/2019 - G75 - (I.O.) 1 &amp; 12-19N-18W  X648233 MSSP 1-19N-18W  X647113 MSSP 12-19N-18W  X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING /PROPOSED WELL  COMPL. INT. (12-19N-18W) NCT 150' FSL, NCT 0' FNL, NCT 560' FEL **  COMPL. INT. (1-19N-18W) NCT 0' FSL, NCT 150' FNL, NCT 560' FEL **  TAPSTONE ENERGY, LLC  4-30-2019</p> <p>** ITD HAS LATERAL DRILLED IN OPPOSITE DIRECTION; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER OPERATOR</p>
MEMO	<p>4/30/2019 - G71 - PIT 1 &amp; 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CAMP CREEK); PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT</p>
SPACING - 647113	<p>5/1/2019 - G75 - (640)(HOR) 12-19N-18W  VAC 82101 MCSTR  EXT 644112 MSSP  COMPL. INT. NLT 660' FB</p>
SPACING - 648233	<p>5/1/2019 - G75 - (640)(HOR) 1-19N-18W  VAC 119799 MCSTR  EXT 644112 MSSP  COMPL. INT. NLT 660' FB</p>
SPACING - 695376	<p>5/1/2019 - G75 - (I.O.) 1 &amp; 12-19N-18W  EST MULTIUNIT HORIZONTAL WELL  X648233 MSSP 1-19N-18W  X647113 MSSP 12-19N-18W  50% 1-19N-18W **  50% 12-19N-18W **  TAPSTONE ENERGY, LLC  4-30-2019</p> <p>** S/B APPROXIMATELY 33% 1-19N-18W &amp; 67% 12-19N-18W; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER OPERATOR</p>

DEWEY County, Oklahoma  
1750'FNL - 1320'FEL Section 1 Township 19N Range 18W I.M.



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

Operator: TAPSTONE ENERGY  
Lease Name: RAPP 1/12-19-18  
Topography & Vegetation: Loc. fell in terraced wheatfield  
Good Drill Site? Yes  
Reference Stakes or Alternate Location  
Stakes Set None  
Best Accessibility to Location From North off county road  
Distance & Direction From Jct. US Hwy. 183 N-S and US Hwy. 60 E-W, West of Seiling, OK, go ±6.0 mi. West  
on US Hwy. 60, then ±0.5 mi. North to the E/4 Cor. of Sec. 1-T19N-R18W

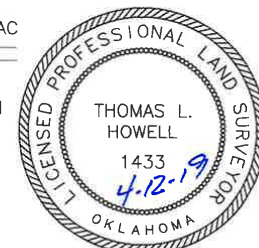
Well No.: 2H  
ELEVATION:  
1829' Gr. at Stake

Revision ☒ A Date of Drawing: Apr. 12, 2019  
Project # 124415 Date Staked: Apr. 11, 2019 AC

**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

Thomas L. Howell  
Oklahoma Lic. No. 1433



DATUM: NAD-27  
LAT: 36°09'14.4"N  
LONG: 99°03'58.4"W  
LAT: 36.153987012° N  
LONG: 99.066217086° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1685231  
Y: 421790

This information was gathered with a GPS receiver with ±1 foot horiz./vert. accuracy