

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

API NUMBER: 043 23698

Approval Date: 04/04/2019

Expiration Date: 10/04/2020

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 19N Rge: 18W

County: DEWEY

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 175 1750

Lease Name: SINCLAIR 14/11-19-18

Well No: 2H

Well will be 175 feet from nearest unit or lease boundary.

Operator TAPSTONE ENERGY LLC  
Name:

Telephone: 4057021600

OTC/OCC Number: 23467 0

TAPSTONE ENERGY LLC  
100 E MAIN ST  
OKLAHOMA CITY, OK 73104-2509

BOBBY T. SINCLAIR  
4834 S DUQUESNE ST.  
AURORA CO 80016

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	11150	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 664318

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901407  
201901408  
201901406  
201901405

Special Orders:

Total Depth: 21350

Ground Elevation: 1914

Surface Casing: 410

Depth to base of Treatable Water-Bearing FM: 260

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)  
H. SEE MEMO

PERMIT NO: 19-36423

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 11 Twp 19N Rge 18W County DEWEY

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 10524

Radius of Turn: 456

Direction: 359

Total Length: 10046

Measured Total Depth: 21350

True Vertical Depth: 11150

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

### Notes:

#### Category

#### Description

#### HYDRAULIC FRACTURING

3/27/2019 - 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)

#### INTERMEDIATE CASING

3/27/2019 - 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

#### MEMO

3/27/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### PENDING CD - 201901405

4/4/2019 - G58 - 11-19N-18W  
X664318 MSSP  
3 WELLS  
NO OP. NAMED  
REC 3/26/2019 (MILLER)

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 23698 SINCLAIR 14/11-19-18 2H

Category	Description
PENDING CD - 201901406	4/4/2019 - G58 - 14-19N-18W X664318 MSSP 3 WELLS NO OP. NAMED REC 3/26/2019 (MILLER)
PENDING CD - 201901407	4/4/2019 - G58 - (I.O.) 14 & 11-19N-18W EST MULTIUNIT HORIZONTAL WELL X664318 MSSP 50% 14-19N-18W 50% 11-19N-18W NO OP. NAMED REC 3/26/2019 (MILLER)
PENDING CD - 201901408	4/4/2019 - G58 - (I.O.) 14 & 11-19N-18W X664318 MSSP COMPL. INT. 14-19N-18W NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. 11-19N-18W NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL NO OP. NAMED REC 3/26/2019 (MILLER)
SPACING - 664318	4/4/2019 - G58 - (640)(HOR) 11 & 14-19N-18W VAC 82101 MCSTR EXT 647109 MSSP POE TO BHL NCT 660' FB

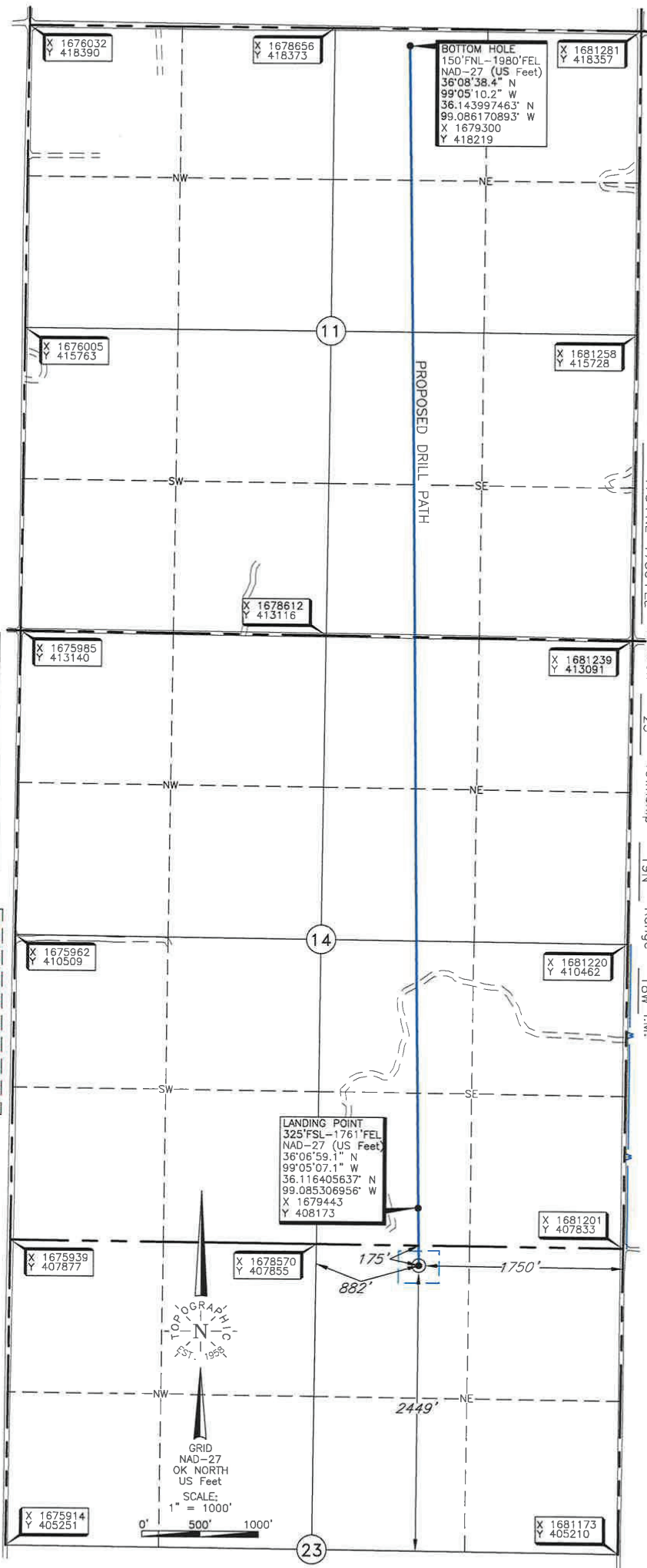
LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION  
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

043-23698

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA  
13800 Wireless Way, Okla. City, OK, 73134 \* LOCAL (405) 843-4647 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

DEWEY

175' FNL-1750' FEL Section 23 Township 19N Range 18W I.M.



Operator: TAPSTONE ENERGY

Lease Name: SINCLEAR 14/11-19-18

Well No.: 2H

Topography & Vegetation Loc. fell on terraced pasture.

Good Drill Site? Yes

Reference Stakes or Alternate Location  
Stakes Set None

Best Accessibility to Location From East off county road.

Distance & Direction From Hwy Jct or Town From Seiling, OK, go ±8.7 miles West thence ±2.0 miles South to the NE Corner Section 23-119N-R18W.

ELEVATION:  
1914' Gr. at Stake

DATUM: NAD-27

LAT: 36°06'54.1" N

LONG: 99°05'07.0" W

LAT: 36.115032515° N

LONG: 99.085263978° W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK NORTH

X: 1679450

Y: 407673

THE INFORMATION SHOWN HEREIN IS  
FOR CONSTRUCTION PURPOSES ONLY

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

Date of Drawing: Feb. 20, 2019  
Project # 124077 Date Staked: Feb. 19, 2019

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

