

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

API NUMBER: 043 23672 B

Approval Date: 12/05/2018
Expiration Date: 06/05/2020

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: AMEND SHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 18N Rge: 14W County: DEWEY
SPOT LOCATION: FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 200 1980

Lease Name: JONES 31/30-19-14 Well No: 2H 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

SARAH JONES & JAMES JONES
P.O. BOX 463
CANTON OK 73724

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

Name	Depth	Name	Depth
1 MISS'AN LM	10300	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 633539 Location Exception Orders: 697915 Increased Density Orders: 687842
111990 687843
697914

Pending CD Numbers:

Special Orders:

Total Depth: 20491 Ground Elevation: 1927 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 390

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: 18-35825
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 30 Twp 19N Rge 14W County DEWEY

Spot Location of End Point: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 181

Feet From: WEST 1/4 Section Line: 1974

Depth of Deviation: 9633

Radius of Turn: 479

Direction: 1

Total Length: 10105

Measured Total Depth: 20491

True Vertical Depth: 10300

End Point Location from Lease,
Unit, or Property Line: 181

Notes:

Category

Description

DEEP SURFACE CASING

7/9/2019 - 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

7/9/2019 - 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 - 687842

7/9/2019 - G75 - 31-19N-14W
X633539 MPLM
4 WELLS
TAPSTONE ENERGY, LLC
12/6/2018

INCREASED DENSITY - 687843

7/9/2019 - G75 - 30-19N-14W
X111990 MPLM
4 WELLS
TAPSTONE ENERGY, LLC
12/6/2018

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

043 23672 JONES 31/30-19-14 2H

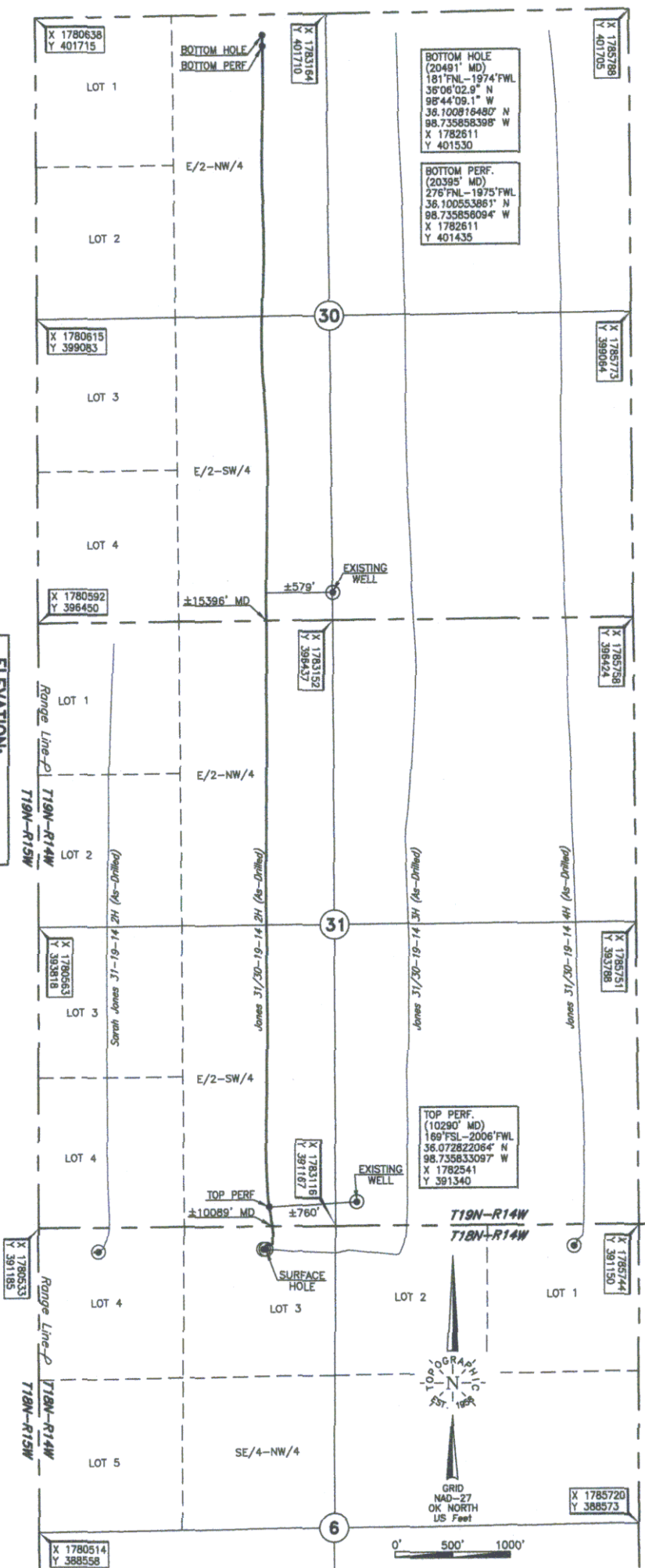
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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
INTERMEDIATE CASING	7/9/2019 - 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
LOCATION EXCEPTION - 697915	7/9/2019 - G75 - (F.O.) 31 & 30-19N-14W X633539 MPLM 31-19N-14W X111990 MPLM 30-19N-14W COMPL INT (31-19N-14W) 1ST PERF 168' FSL, 2006' FWL LAST PER 2' FNL, 1986' FWL COMPL INT (30-19N-14W) 1ST PERF 13' FSL, 1986' FWL LAST PERF 277' FNL, 1975' FWL TAPSTONE ENERGY, LLC 6-18-2019
MEMO	7/9/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 111990	7/9/2019 - G75 - (640) 30-19N-14W EXT OTHER EXT 78076 MPLM, OTHERS
SPACING - 633539	7/9/2019 - G75 - (640) 31-19N-14W VAC 258497 MSSSD EXT 130026 MPLM
SPACING - 697914	7/9/2019 - G75 - (F.O.) 31 & 30-19N-14W EST MULTIUNIT HORIZONTAL WELL X633539 MPLM 31-19N-14W X111990 MPLM 30-19N-14W 50.529441% 31-19N-14W 49.470559% 30-19N-14W TAPSTONE ENERGY, LLC 6/18/2019

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK 73134 (405) 843-4847 • OUT OF STATE (800) 654-3219
DEWEY Certificate of Authorization No. 1283 LS
County, Oklahoma
200' FNL - 1980' FNL Section 6 Township 18N Range 14W I.M.



Operator: TAPSTONE ENERGY
Lease Name: JONES 31/30-19-14
Topography & Vegetation Loc. fall in terraced wheat field
Good Drill Site? Yes
Reference Stakes or Alternate Location
Stakes Set None
Best Accessibility to Location From West off county road
Distance & Direction From Jct. US Hwy. 270 and St. Hwy. 51, go ±4.2 mi. East on St. Hwy. 51, then ±1.0 mi. North to the NW Cor. of Sec. 6-T18N-R14W

ELEVATION:
1927' Gr. at Stake

DATUM: NAD-27
LAT: 36°04'18.5"N
LONG: 98°44'09.3"W
LAT: 36°07'18.0296"N
LONG: 98°44'09.3"W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1782511
Y: 390971

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

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
FURNISHED BY TAPSTONE ENERGY

Date of Drawing: Mar. 07, 2019
Project # 124766 Date Staked: Oct. 22, 2018 JP