

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

API NUMBER: 043 23592 A

Approval Date: 02/01/2018
Expiration Date: 08/01/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGED SHL, UPDATED ORDERS & BHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 19N Rge: 17W

County: DEWEY

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 250 875

Lease Name: EARL 30-19-17

Well No: 2H

Well will be 250 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

CAROL SCHOMP & LOLA SCHOMP
P.O. BOX 174
TALOGA OK 73667

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12150	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 660424

Location Exception Orders: 703088

Increased Density Orders: 673465

Pending CD Numbers:

Special Orders:

Total Depth: 17071

Ground Elevation: 1965

Surface Casing: 470

Depth to base of Treatable Water-Bearing FM: 320

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: 18-33860

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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 17W County DEWEY

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 195

Feet From: EAST 1/4 Section Line: 702

Depth of Deviation: 11523

Radius of Turn: 829

Direction: 1

Total Length: 4245

Measured Total Depth: 17071

True Vertical Depth: 12150

End Point Location from Lease,
Unit, or Property Line: 195

Notes:

Category

Description

HYDRAULIC FRACTURING

1/29/2018 - 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: OCCWEB.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 - 673465

11/5/2019 - G56 - 30-19N-17W
X660424 MSSP
1 WELL
TAPSTONE ENERGY, LLC
2/9/2018

INTERMEDIATE CASING

1/29/2018 - 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.

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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.

043 23592 EARL 30-19-17 2H

LOCATION EXCEPTION - 703088

11/5/2019 - G56 - (F.O.) 30-19N-17W
X660424 MSSP
SHL (31-19N-17W) 250' FNL, 875' FEL
COMPL INT (FIRST PERF) 184' FSL, 866' FEL
COMPL INT (LAST PERF) 195' FNL, 702' FEL
NO OP NAMED
10/2/2019

MEMO

1/29/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -
OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 660424

11/5/2019 - G56 - (640)(HOR) 30-19N-17W
VAC 54296 CRLM
VAC 217107 MSSLM
EXT 647686 MSSP
POE TO BHL NCT 660' FB

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

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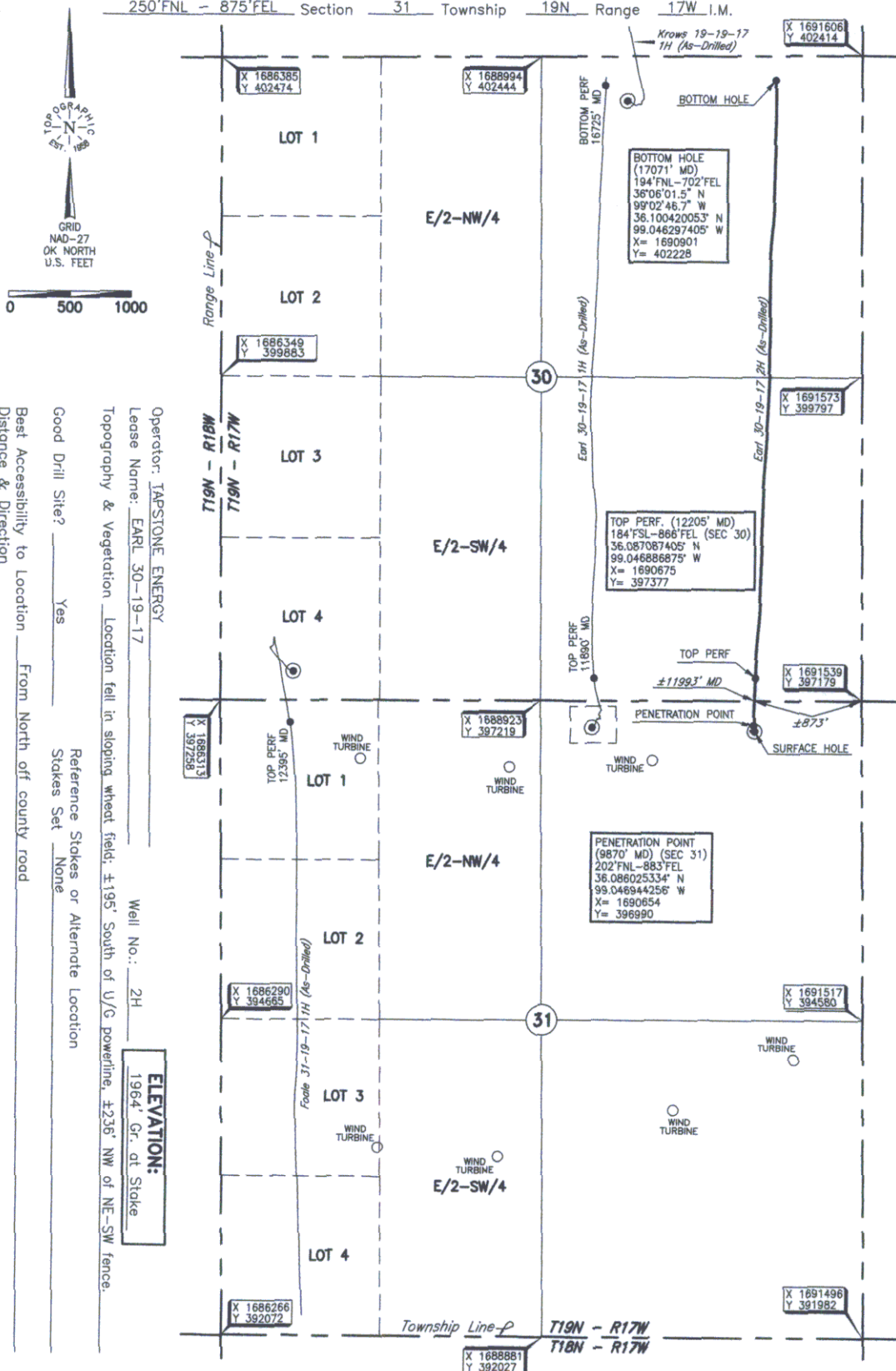
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

043-23592A

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS
DEWEY

County, Oklahoma

250' FNL - 875' FEL Section 31 Township 19N Range 17W I.M.



DATUM: NAD-27
LAT: 36°05'09.2"N
LONG: 99°02'48.9"W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1690662
Y: 396942

297110 Date of Drawing: June 25, 2018
Invoice # 287460 Date Staked: January 25, 2018 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
FURNISHED BY TAPSTONE ENERGY

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