

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

API NUMBER: 043 23639 A

Approval Date: 06/26/2018

Expiration Date: 12/26/2018

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION TO ADD FORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 19N Rge: 17W

County: DEWEY

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 265 1180

Lease Name: DONELL 29/20-19-17

Well No: 2H

Well will be 265 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

BONNIE JOAN THAXTON
P. O. BOX 131
ARDMORE OK 73402

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

	Name	Depth	Name	Depth
1	MISS (MERAMEC-OSAGE)	10900	6	
2	MISSISSIPPIAN	11400	7	
3			8	
4			9	
5			10	

Spacing Orders: 132649
647686

Location Exception Orders: 679216

Increased Density Orders:

Pending CD Numbers: 201803835
201803833
201803834

Special Orders:

Total Depth: 21500

Ground Elevation: 1960

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)

PERMIT NO: 18-34677

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 20 Twp 19N Rge 17W County DEWEY

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 195

Feet From: WEST 1/4 Section Line: 1350

Depth of Deviation: 10278

Radius of Turn: 750

Direction: 2

Total Length: 10044

Measured Total Depth: 21500

True Vertical Depth: 11400

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

Notes:

Category

Description

HYDRAULIC FRACTURING

6/8/2018 - G58 - 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

INTERMEDIATE CASING

6/8/2018 - G58 - 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 - 679216

6/8/2018 - G58 - (I.O.) 29 & 20-19N-17W
X647686 MSSP (29-19N-17W)
X132649 MRMOG (20-19N-17W)
COMPL. INT. (29-19N-17W) NCT 165' FSL, NCT 0' FNL, NCT 660' FWL
COMPL. INT. (20-19N-17W) NCT 0' FSL, NCT 165' FNL, NCT 660' FWL
TAPSTONE ENERGY, LLC
6/13/2018

MEMO

6/8/2018 - G58 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

043 23639 DONELL 29/20-19-17 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
PENDING CD - 201803833	6/8/2018 - G58 - 20-19N-17W X132649 MRMOG 1 WELL NO OP. NAMED REC 6/5/2018 (DENTON)
PENDING CD - 201803834	6/8/2018 - G58 - 29-19N-17W X647686 MSSP 1 WELL NO OP. NAMED REC 6/5/2018 (DENTON)
PENDING CD - 201803835	6/8/2018 - G58 - (I.O.) 29 & 20-19N-17W EST MULTIUNIT HORIZONTAL WELL X647686 MSSP (29-19N-17W) X132649 MRMOG (20-19N-17W) 50% 29-19N-17W 50% 20-19N-17W NO OP. NAMED REC 6/12/2018 (FOREMAN)
SPACING - 132649	6/8/2018 - G58 - (640) 20-19N-17W EXT 126186 MRMOG
SPACING - 647686	6/8/2018 - G58 - (640)(HOR) 29-19N-17W VAC 54296 CRLM VAC 217107 MSSLM EST MSSP COMPL. INT NLT 660' FB