

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 A

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

Horizontal Hole  
Multi Unit

Oil & Gas

Amend reason: OCC CORRECTION FOR DEEP SURFACE CASING

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 18N Rge: 14W County: DEWEY  
SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 200 1960

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  
111990

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201809154  
201809150  
201809151  
201809153

Special Orders:

Total Depth: 20500 Ground Elevation: 1928 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: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 9651

Radius of Turn: 477

Direction: 1

Total Length: 10100

Measured Total Depth: 20500

True Vertical Depth: 10300

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

12/5/2018 - 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

11/29/2018 - 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: [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

11/29/2018 - 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

#### MEMO

11/29/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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 23672 JONES 31/30-19-14 2H

Category	Description
PENDING CD - 201809150	12/5/2018 - G75 - 31-19N-14W X633539 MPLM 4 WELLS NO OP. NAMED REC 11-27-2018 (NORRIS)
PENDING CD - 201809151	12/5/2018 - G75 - 30-19N-14W X111990 MPLM 4 WELLS NO OP. NAMED REC 11-27-2018 (NORRIS)
PENDING CD - 201809153	12/5/2018 - G75 - (I.O.) 31 & 30-19N-14W EST MULTIUNIT HORIZONTAL WELL X633539 MPLM 31-19N-14W X111990 MPLM 30-19N-14W 50% 31-19N-14W 50% 30-19N-14W NO OP. NAMED REC 11-27-2018 (NORRIS)
PENDING CD - 201809154	12/5/2018 - G75 - (I.O.) 31 & 30-19N-14W X633539 MPLM 31-19N-14W X111990 MPLM 30-19N-14W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (31-19N-14W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (30-19N-14W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FWL NO OP. NAMED REC 11-27-2018 (NORRIS)
SPACING - 111990	12/5/2018 - G75 - (640) 30-19N-14W EXT OTHER EXT 78076 MPLM, OTHERS
SPACING - 633539	12/5/2018 - G75 - (640) 31-19N-14W VAC 258497 MSSSD EXT 130026 MPLM