

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

API NUMBER: 051 24435

Approval Date: 08/13/2018

Expiration Date: 02/13/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 6N Rge: 8W

County: GRADY

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 2310 995

Lease Name: NORGE-MARCHAND UNIT

Well No: 4-33 1H

Well will be 995 feet from nearest unit or lease boundary.

Operator Name: LIME ROCK RESOURCES III-A LP

Telephone: 7132929535

OTC/OCC Number: 23577 0

LIME ROCK RESOURCES III-A LP
1111 BAGBY ST STE 4600
HOUSTON, TX 77002-2559

J & A ROSE FARMS, LLC.
1308 MESA TRAIL
EDMOND OK 73025

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

Name	Depth	Name	Depth
1 MARCHAND	10600	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 100904

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 16000

Ground Elevation: 1154

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 730

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 5000 Average: 3000

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-34996

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 33 Twp 7N Rge 8W County GRADY

Spot Location of End Point: SW NE SE NE

Feet From: NORTH 1/4 Section Line: 1855

Feet From: EAST 1/4 Section Line: 465

Depth of Deviation: 10175

Radius of Turn: 382

Direction: 2

Total Length: 5225

Measured Total Depth: 16000

True Vertical Depth: 10600

End Point Location from Lease,
Unit, or Property Line: 465

Notes:

Category

Description

DEEP SURFACE CASING

8/6/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

8/6/2018 - 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; 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

MEMO

8/6/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 100904

8/13/2018 - G57 - (UNIT) E2 33-7N-8W & NE4 4-6N-8W
EST NORGE MARCHAND UNIT FOR THE MRCD

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.

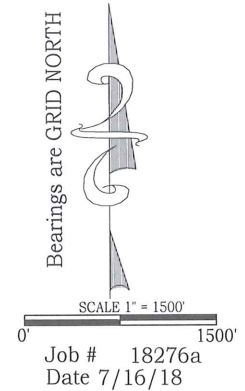
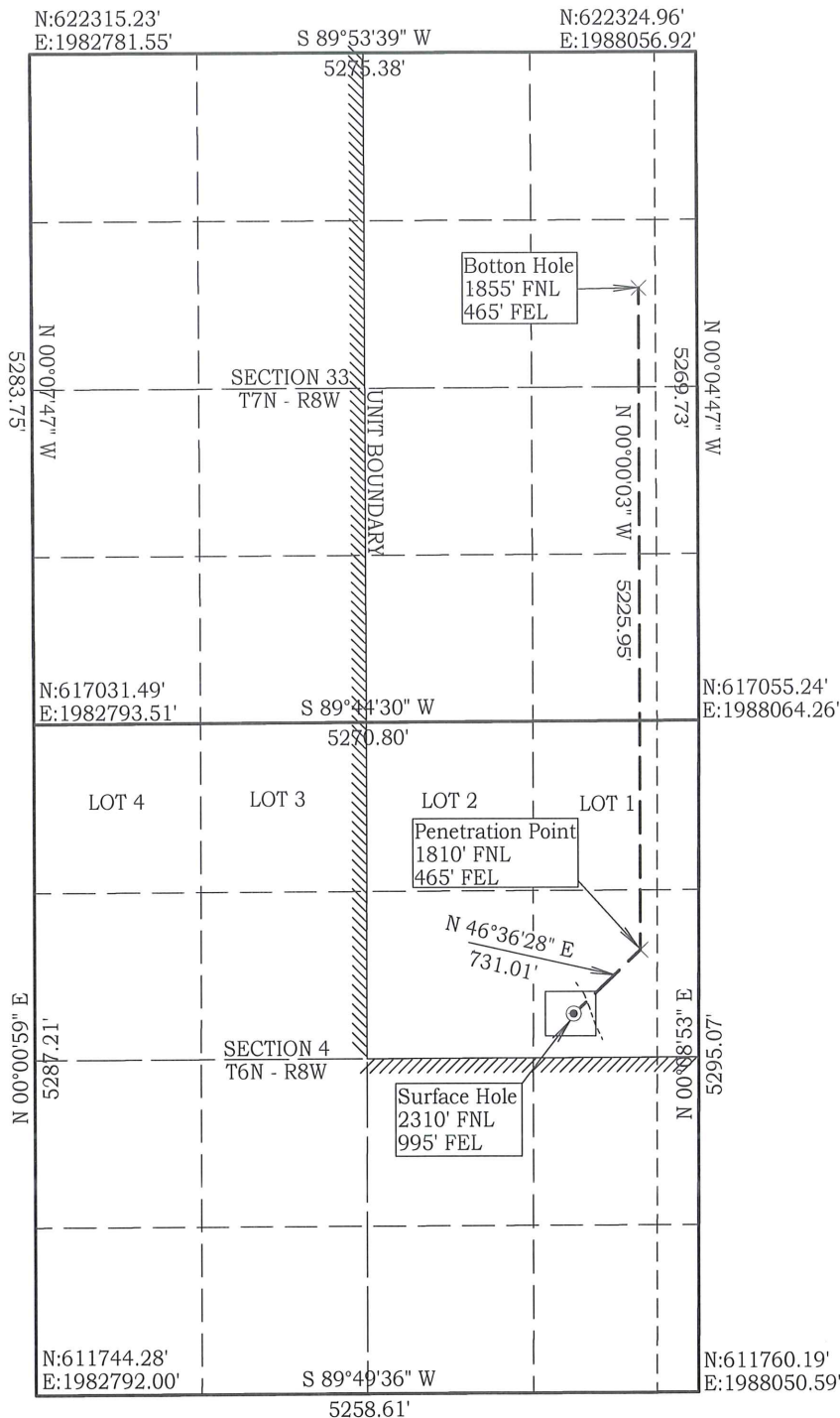
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Permit Plat
M & M Land Surveying, Inc.
520 "E" Street NW. Ardmore, OK. 73401
Office 580-226-0446 Mobile 580-221-4999

API:051 24435

Company Name: Lime Rock Resources III-A, LP Lease Name: Norge-Marchand Unit 4-33-1H
Section 4 Township 6 North Range 8 West County Grady Oklahoma
Surface Location 2310' FNL - 995' FEL Elevation 1154'

ALL SECTION CORNER COORDINATES ARE NAD 27



NAD 27 OK SOUTH
Surface Location
Latitude: 35.022560°
Longitude: 98.043206°
Y= 614,741'
X = 1,987,063'
Penetration Point
Y= 615,243'
X = 1,987,595'
Bottom Hole
Y= 620,469'
X = 1,987,595'

NAD 83 OK SOUTH
Surface Location
Latitude: 35.022625°
Longitude: 98.043530°
Y= 614,782'
X = 1,955,467'
Penetration Point
Y= 615,284'
X = 1,955,998'
Bottom Hole
Y= 620,510'
X = 1,955,998'

D. Harry McClintick 7/21/18

D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.

