

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

API NUMBER: 051 24119 A

Approval Date: 04/04/2017
Expiration Date: 04/04/2018

Horizontal Hole
Multi Unit

Oil & Gas

Amend reason: OCC CORRECTION: BHL & UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 10N Rge: 5W

County: GRADY

SPOT LOCATION: SE SE SE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 2520 2615

Lease Name: GRIFFIN 26-23-10-5

Well No: 1XH

Well will be 2520 feet from nearest unit or lease boundary.

Operator Name: ROAN RESOURCES LLC

Telephone: 4058968051

OTC/OCC Number: 24127 0

ROAN RESOURCES LLC
14701 HERTZ QUAIL SPRINGS PKWY
OKLAHOMA CITY, OK 73134-2641

BILLY D & LISA GRIFFIN
1611 N. MORGAN RD.
TUTTLE OK 73089

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

	Name	Depth		Name	Depth	
1	MISSISSIPPIAN	8785	6			
2			7			
3			8			
4			9			
5			10			
Spacing Orders:	465186		Location Exception Orders:	689258	Increased Density Orders:	663660
	663709			694926		
	688108			705065		
	705064					

Pending CD Numbers:

Special Orders:

Total Depth: 15724

Ground Elevation: 1295

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 500

Deep surface casing has been approved

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

B. Solidification of pit contents.

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

PERMIT NO: 17-32134

H. SEE MEMO

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: ON SITE

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: 3

Liner required for Category: 3

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 23 Twp 10N Rge 5W County CANADIAN

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 203

Feet From: WEST 1/4 Section Line: 2593

Depth of Deviation: 8495

Radius of Turn: 633

Direction: 359

Total Length: 6235

Measured Total Depth: 15724

True Vertical Depth: 8789

End Point Location from Lease,
Unit, or Property Line: 203

Notes:

Category

Description

DEEP SURFACE CASING

2/9/2017 - 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

EXCEPTION TO RULE - 694926 (201701116)

1/10/2020 - G56 - (F.O.) 23, 26, & 35 10N-5W
X165:10-3-28(C)(2)(B) MSSP
GRIFFIN 26-35-10-5 1XH & GRIFFIN 26-23-10-5 1XH ARE 262' APART
ROAN RESOURCES, LLC
4/19/2019

HYDRAULIC FRACTURING

2/9/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

INCREASED DENSITY - 663660

1/10/2020 - G56 - 26-10N-5W
X465186 MSSP
1 WELL
LINN OPERATING, LLC
5/15/2017

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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.

051 24119 GRIFFIN 26-23-10-5 1XH

LOCATION EXCEPTION - 689258 (201700761)	1/10/2020 - G56 - (F.O.) 26 & 23-10N-5W X465186 MSSP 26-10N-5W X201700759 MSSP, OTHER 23-10N-5W SHL (26-10N-5W) 2520' FNL, 2612' FWL COMPL. INT. (26-10N-5W) FIRST PERF 2480' FNL, 2552' FWL LAST PERF 0' FNL, 2603' FWL COMPL. INT. (23-10N-5W) FIRST PERF 0' FSL, 2603' FWL LAST PERF 265' FNL, 2595' FWL ROAN RESOURCES, LLC 1/7/2019
LOCATION EXCEPTION - 705065	1/10/2020 - G56 - NPT ORDER # 689258 CORRECTING SHL TO 2520' FSL, 2615' FWL
MEMO	2/9/2017 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 465186	1/10/2020 - G56 - (640) 26-10N-5W EXT 415090 MSSP
SPACING - 663709	1/10/2020 - G56 - (640)(HOR) 23-10N-5W EST MSSP EXT OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER 459387 MSSP)
SPACING - 688108 (201700760)	1/10/2020 - G56 - (F.O.) 26 & 23-10N-5W EST MULTIUNIT HORIZONTAL WELL X465186 MSSP 26-10N-5W X663709 MSSP 23-10N-5W 39.0355% 26-10N-5W 61.9645% 23-10N-5W ROAN RESOURCES, LLC 12/12/2018
SPACING - 705064	1/10/2020 - G56 - NPT ORDER # 688108 CORRECTING SHL TO 2520' FSL, 2615' FWL