

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

API NUMBER: 051 24542 A

Approval Date: 01/04/2019  
Expiration Date: 07/04/2020

Horizontal Hole Oil & Gas  
Multi Unit

Amend reason: ADD FORMATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 9N Rge: 5W County: GRADY  
SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 220 1070

Lease Name: LARRY 26-23-9-5 Well No: 5MXH Well will be 220 feet from nearest unit or lease boundary.  
Operator Name: ROAN RESOURCES LLC Telephone: 4058968453 OTC/OCC Number: 24127 0

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

LARRY WAYNE STACY  
307 HOFFMAN DRIVE  
NORMAN OK 73026

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9880	6	
2	WOODFORD	9960	7	
3			8	
4			9	
5			10	

Spacing Orders: 653331  
655130

Location Exception Orders:

Increased Density Orders: 690546  
690545

Pending CD Numbers: 201805378  
201805379

Special Orders:

Total Depth: 20440 Ground Elevation: 1328 Surface Casing: 430 Depth to base of Treatable Water-Bearing FM: 480

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No 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? Y

Wellhead Protection Area? Y

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: 1A

Liner required for Category: 1A

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

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: 18-36009  
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: 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? Y

Wellhead Protection Area? Y

Pit is **not** located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

## HORIZONTAL HOLE 1

Sec 23 Twp 9N Rge 5W County GRADY

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 2050

Depth of Deviation: 9192

Radius of Turn: 573

Direction: 340

Total Length: 10348

Measured Total Depth: 20440

True Vertical Depth: 9960

End Point Location from Lease,  
Unit, or Property Line: 65

### Notes:

#### Category

#### Description

HYDRAULIC FRACTURING

12/19/2018 - 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)

INCREASED DENSITY - 690545

3/12/2019 - G75 - 23-9N-5W  
X655130 MSSP  
1 WELL  
ROAN RESOURCES LLC  
1-29-2019

INCREASED DENSITY - 690546

3/12/2019 - G75 - 26-9N-5W  
X653331 MSSP  
1 WELL  
ROAN RESOURCS LLC  
1-29-2019

MEMO

12/19/2018 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT 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.

051 24542 LARRY 26-23-9-5 5MXH

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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.

Category	Description
PENDING CD - 201805378	3/12/2019 - G75 - (E.O.) 26 & 23-9N-5W EST MULTIUNIT HORIZONTAL WELL X653331 MSSP, WDFD 26-9N-5W X655130 MSSP, WDFD 23-9N-5W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 26-9N-5W 50% 23-9N-5W ROAN RESOURCES LLC REC 1-4-2019 (M. PORTER)
PENDING CD - 201805379	3/12/2019 - G75 - (E.O.) 26 & 23-9N-5W X653331 MSSP, WDFD 26-9N-5W X655130 MSSP, WDFD 23-9N-5W COMPL. INT. (26-9N-5W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (23-9N-5W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FWL ROAN RESOURCES LLC REC 1-4-2019 (M. PORTER)
PUBLIC WATER SUPPLY WELL	12/19/2018 - G71 - BELLCO, 1 PWS/WPA, SW4 26-9N-5W
SPACING - 653331	3/12/2019 - G75 - (640)(HOR) 26-9N-5W EST MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 655130	3/12/2019 - G75 - (640)(HOR) 23-9N-5W EST MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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