

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

API NUMBER: 051 24433

Approval Date: 08/09/2018  
Expiration Date: 02/09/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 9N Rge: 5W County: GRADY  
SPOT LOCATION:  NW  SW  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 335 1150

Lease Name: LARRY 26-23-9-5 Well No: 4WXH Well will be 335 feet from nearest unit or lease boundary.  
Operator Name: ROAN RESOURCES LLC Telephone: 4052412150 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 WOODFORD	9940	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 653331  
655130

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805374  
201805375  
201805368  
201805369

Special Orders:

Total Depth: 20429 Ground Elevation: 1339 **Surface Casing: 490** Depth to base of Treatable Water-Bearing FM: 440

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? N  
Wellhead Protection Area? N  
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.
- C.  Other (Specify Method)
- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35013
- 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? N
Wellhead Protection Area? N
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 NW NW NE
Feet From: NORTH 1/4 Section Line: 65
Feet From: EAST 1/4 Section Line: 2380
Depth of Deviation: 9179
Radius of Turn: 573
Direction: 350
Total Length: 10349
Measured Total Depth: 20429
True Vertical Depth: 9940
End Point Location from Lease,
Unit, or Property Line: 65

Notes:

Table with 2 columns: Category, Description. Rows include HYDRAULIC FRACTURING, MEMO, and PENDING CD entries with detailed descriptions of operations and dates.

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Category	Description
PENDING CD - 201805374	8/6/2018 - G57 - (I.O.) 26 & 23-9N-5W EST MULTIUNIT HORIZONTAL WELL X653331 WDFD 26-9N-5W X655130 WDFD 23-9N-5W 50% 26-9N-5W 50% 23-9N-5W ROAN RESOURCES, LLC. REC 8-7-2018 (FOREMAN)
PENDING CD - 201805375	8/6/2018 - G57 - (I.O.) 26 & 23-9N-5W X653331 WDFD 26-9N-5W X655130 WDFD 23-9N-5W X165:10-3-28(C)(2)(B) WDFD (LARRY 26-23-9-5 4WHX) MAY BE CLOSER THAN 600' TO ANOTHER WELLBORE COMPL. INT. (26-9N-5W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (23-9N-5W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL NO OP. NAMED REC 8-7-2018 (FOREMAN)
PUBLIC WATER SUPPLY WELL	7/30/2018 - G71 - BELLCO - 1 PWS/WPA, SW/4 26-9N-5W
SPACING - 653331	8/6/2018 - G57 - (640)(HOR) 26-9N-5W EST WDFD, OTHER POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 655130	8/6/2018 - G57 - (640)(HOR) 23-9N-5W EST WDFD, OTHER POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

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