

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

API NUMBER: 017 25368

Approval Date: 01/15/2019

Expiration Date: 07/15/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 11N Rge: 7W

County: CANADIAN

SPOT LOCATION:

SE

NE

NW

NW

FEET FROM QUARTER: FROM

NORTH

FROM

WEST

SECTION LINES:

350

1310

Lease Name: RED BULLET 22-27-11-7

Well No: 4WXH

Well will be 350 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

SCHIEBER FAMILY FARMS LLC  
5225 S HWY 81  
UNION CITY OK 73090

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

Name	Depth	Name	Depth
1 WOODFORD	10479	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 662710

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201809902  
201809901  
201809895  
201809896

Special Orders:

Total Depth: 20999

Ground Elevation: 1352

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 380

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: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

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: 18-35901

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: DOG CREEK

HORIZONTAL HOLE 1

Sec 27 Twp 11N Rge 7W County CANADIAN

Spot Location of End Point: SW SE SE SW

Feet From: SOUTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 2100

Depth of Deviation: 9865

Radius of Turn: 575

Direction: 175

Total Length: 10230

Measured Total Depth: 20999

True Vertical Depth: 10479

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

Notes:

Category

Description

DEEP SURFACE CASING

11/29/2018 - 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

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)

MEMO

11/29/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201809895

1/15/2019 - G56 - 22-11N-7W  
X662710 WDFD  
4 WELLS; 3 WDFD, 1 MSSP  
NO OP NAMED  
REC 12/18/18 (DENTON)

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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.

017 25368 RED BULLET 22-27-11-7 4WXH

Category	Description
PENDING CD - 201809896	1/15/2019 - G56 - 27-11N-7W X662710 WDFD 4 WELLS; 3 WDFD, 1 MSSP NO OP NAMED REC 12/18/18 (DENTON)
PENDING CD - 201809901	1/15/2019 - G56 - (I.O.) 22 & 27-11N-7W ESTABLISH MULTITUNIT HORIZONTAL WELL X662710 WDFD 50% 22-11N-7W 50% 27-11N-7W ROAN RESOURCES LLC REC 12/18/18 (DENTON)
PENDING CD - 201809902	1/15/2019 - G56 - (I.O.) 22 & 27-11N-7W X662710 WDFD X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO AN EXISTING AND/OR PROPOSED WELL COMPL INT (22-11N-7W) NCT 150' FNL, NCT 0' FSL, NCT 800' FWL COMPL INT (27-11N-7W) NCT 0' FNL, NCT 150' FSL, NCT 800' FWL NO OP NAMED REC 12/18/18 (DENTON)
SPACING - 662710	1/15/2019 - G56 - (640)(HOR) 22 & 27-11N-7W EST WDFD, OTHER POE TO BHL NCT 165' FNL/FSL, NCT 330' FEL/FWL

