

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

API NUMBER: 017 25535

Approval Date: 09/27/2019

Expiration Date: 03/27/2021

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 11N Rge: 7W

County: CANADIAN

SPOT LOCATION: ☐ NW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 340 1125

Lease Name: OMAHA 28-33-11-7

Well No: 4WXH

Well will be 340 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

BILLY & CATHERINE EUBANKS LI TRUST
4608 CYPERT RD
YUKON OK 73099

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10492	6	
2	WOODFORD	10767	7	
3			8	
4			9	
5			10	

Spacing Orders: 671759
658912

Location Exception Orders:

Increased Density Orders: 702495

Pending CD Numbers: 201903531
201903532
201903506
201904755

Special Orders:

Total Depth: 18269 Ground Elevation: 1347

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 370

Deep surface casing has been approved

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: 19-36830

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 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 33 Twp 11N Rge 7W County CANADIAN

Spot Location of End Point: SE SW SW NE

Feet From: NORTH 1/4 Section Line: 2400

Feet From: EAST 1/4 Section Line: 2000

Depth of Deviation: 9864

Radius of Turn: 575

Direction: 185

Total Length: 7502

Measured Total Depth: 18269

True Vertical Depth: 10767

End Point Location from Lease,

Unit, or Property Line: 2000

Additional Surface Owner	Address	City, State, Zip
MARY ANN VOSS REV LIV TR ETAL	12100 N GREGORY ROAD	YUKON, OK 73099
TABOREK, ALOIS E ETAL	11900 N GREGORY ROAD	YUKON, OK 73099
TABOREK, THOMAS J ETAL	11900 N GREGORY ROAD	YUKON, OK 73099

Notes:

Category

Description

DEEP SURFACE CASING

7/26/2019 - 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

7/26/2019 - 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: OCCWEB.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

INCREASED DENSITY - 702495

9/26/2019 - GB1 - 33-11N-7W
X671759 WDFD, OTHER
7 WELLS; 4 OTHER, 3 WDFD
ROAN RESOURCES, LLC
9/19/2019

MEMO

7/26/2019 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

This permit does not address the right of entry or settlement of surface damages.

017 25535 OMAHA 28-33-11-7 4WXH

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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.

PENDING CD - 201903506	9/26/2019 - GB1 - 28-11N-7W X658912 WDFD, OTHER 4 WELLS; 2 OTHER, 2 WDFD NO OP. NAMED REC. 8/26/2019 (NORRIS)
PENDING CD - 201903531	9/26/2019 - GB1 - (I.O.) 28 & 33-11N-7W EST MULTIUNIT HORIZONTAL WELL X658912 MSSP, WDFD 28-11N-7W X671759 MSSP, WDFD 33-11N-7W (MSSP ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 69% 28-11N-7W 31% 33-11N-7W ROAN RESOURCES, LLC REC. 9/23/2019 (MILLER)
PENDING CD - 201903532	9/26/2019 - GB1 - (I.O.) 28 & 33-11N-7W X671759 MSSP, WDFD 33-11N-7W X658912 MSSP, WDFD 28-11N-7W COMPL. INT. (28-11N-7W) NCT 165' FNL, NCT 0' FSL, NCT 930' FEL COMPL. INT. (33-11N-7W) NCT 0' FNL, NCT 2500' FSL, NCT 930' FEL ROAN RESOURCES, LLC REC. 9/23/2019 (MILLER)
PENDING CD - 201904755	9/26/2019 - GB1 - (I.O.) 28 & 33-11N-7W X165:10-3-28(C)(2)(B) WDFD (OMAHA 28-33-11-7 4WXH) MAY BE CLOSER THAN 600' TO WHIRLAWAY 33-4-11-7 4WXH NO OP. NAMED HEARING 10/14/2019 OK PER MCCOY
SPACING - 658912	9/26/2019 - GB1 - (640)(HOR) 28-11N-7W EXT 653390 MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL
SPACING - 671759	9/26/2019 - GB1 - (640)(HOR) 33-11N-7W EST MSSP, WDFD COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL

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