

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

API NUMBER: 051 24091 A

Approval Date: 12/01/2016
Expiration Date: 06/01/2017

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: ADD FORMATION, CHANGE TOTAL DEPTH &
BOTTOM-HOLE LOCATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 9N Rge: 5W County: GRADY
SPOT LOCATION: ☐ SW ☐ NW ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 400 240

Lease Name: RENBARGER Well No: 1H-26-23 Well will be 240 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

RENBARGER FAMILY, LLC
P.O. BOX 2027
LEXINGTON OK 73051

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9924	6	
2	WOODFORD	11102	7	
3			8	
4			9	
5			10	

Spacing Orders: 653331	Location Exception Orders: 675715	Increased Density Orders: 692144
655130	693161	692145
675714		
693160		
694945		

Pending CD Numbers:

Special Orders:

Total Depth: 20240 Ground Elevation: 1281 Surface Casing: 440 Depth to base of Treatable Water-Bearing FM: 320

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31802
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: CLOSED Closed System Means Steel Pits

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 23 Twp 9N Rge 5W County GRADY

Spot Location of End Point: SE NW NW NW

Feet From: NORTH 1/4 Section Line: 522

Feet From: WEST 1/4 Section Line: 399

Depth of Deviation: 9598

Radius of Turn: 573

Direction: 1

Total Length: 9742

Measured Total Depth: 20240

True Vertical Depth: 11102

End Point Location from Lease,
Unit, or Property Line: 399

Notes:

Category

Description

HYDRAULIC FRACTURING

11/22/2016 - 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 - 692144

5/23/2019 - G75 - 23-9N-5W
X655130 MSSP
1 WELL
ROAN RESOURCES LLC
2-27-2019

INCREASED DENSITY - 692145

5/23/2019 - G75 - 26-9N-5W
X653331 MSSP
1 WELL
ROAN RESOURCES LLC
2-27-2019

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

051 24091 RENBARGER 1H-26-23

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.

Category	Description
LOCATION EXCEPTION - 675715	<p>5/23/2019 - G75 - (F.O.) X653331 MSSP, WDFD 26-9N-5W X655130 MSSP, WDFD 23-9N-5W SHL (35-9N-5W) 400' FNL, 240' FWL FIRST PERF MSSP (26-9N-5W) 169' FSL, 395' FWL LAST PERF MSSP (26-9N-5W) 932' FSL, 386' FWL FIRST PERF WDFD (26-9N-5W) 932' FSL, 386' FWL LAST PERF WDFD (26-9N-5W) 1879' FSL, 395' FWL FIRST PERF MSSP (26-9N-5W) 1879' FSL, 395' FWL LAST PERF MSSP (26-9N-5W) 807' FNL, 374' FWL FIRST PERF WDFD (26-9N-5W) 807' FNL, 374' FWL LAST PERF WDFD (23-9N-5W) 712' FSL, 365' FWL FIRST PERF MSSP (23-9N-5W) 712' FSL, 365' FWL LAST PERF MSSP (23-9N-5W) 1014' FNL, 405' FWL FIRST PERF WDFD (23-9N-5W) 1014' FNL, 405' FWL LAST PERF WDFD (23-9N-5W) 681' FNL, 401' FWL CITIZEN ENERGY II, LLC ** 4-4-2018 (WELL SPUD 2-18-2017)</p> <p>** S/B ROAN RESOURCES LLC;</p>
LOCATION EXCEPTION - 693161	5/23/2019 - G75 - X675715 CHANGING OPERATOR TO ROAN RESOURCES LLC
MEMO	<p>11/22/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PUBLIC WATER SUPPLY WELL	11/22/2016 - G71 - BELLCO - 1 PWS/WPA, SW/4 26-9N-5W
SPACING - 653331	<p>5/23/2019 - 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</p>
SPACING - 655130	<p>5/23/2019 - 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</p>
SPACING - 675714	<p>5/23/2019 - G75 - (F.O.) 26 & 23-9N-5W EST MULTIUNIT HORIZONTAL WELL X653331 MSSP, WDFD 26-9N-5W X655130 MSSP, WDFD 23-9N-5W (MSSP ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) ** 52.5457% 26-9N-5W 47.4543% 23-9N-5W CITIZEN ENERGY II, LLC ++ 4-4-2018 (WELL SPUD 2-18-2017)</p> <p>** S/B WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP;</p> <p>++ S/B ROAN RESOURCES LLC;</p>
SPACING - 693160	5/23/2019 - G75 - X675714 CHANGING OPERATOR TO ROAN RESOURCES LLC
SPACING - 694945	5/23/2019 - G75 - NPT 675714 CHANGING WDFD TO ASSOCIATED COMMON SOURCE OF SUPPLY IN REGARD TO MSSP
SURFACE LOCATION	5/23/2019 - G75 - 400' FNL, 240' FWL NW4 35-9N-5W PER STAKING PLAT