

API NUMBER: 017 25290 B

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

Approval Date: 10/30/2018
Expiration Date: 04/30/2020

Multi Unit Oil & Gas

Amend reason: ADD MISSISSIPPI LIME, UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 02 Township: 10N Range: 6W County: CANADIAN

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 275 1930

Lease Name: EARL 2-11-10-6 Well No: 1MXH Well will be 275 feet from nearest unit or lease boundary.
Operator Name: ROAN RESOURCES LLC Telephone: 4058968051 OTC/OCC Number: 24127 0

ROAN RESOURCES LLC
320 S BOSTON AVE STE 900
TULSA, OK 74103-3729

6908 S VILLA AVE
EARL LEON FAUBION
OKLAHOMA CITY OK 73159

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	9360
2	MISSISSIPPI LIME	351MSSLM	9410

Spacing Orders: 148788 Location Exception Orders: 708586 Increased Density Orders: 694968
96483 694969
705304

Pending CD Numbers: 202001312

Special Orders: No Special Orders

Total Depth: 20052 Ground Elevation: 1305 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 440

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35279
H. SEE MEMO

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 located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is: BED AQUIFER

Pit Location Formation: DUNCAN

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 located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is: BED AQUIFER

Pit Location Formation: DUNCAN

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.

MULTI UNIT HOLE 1				
Section: 11	Township: 10N	Range: 6W	Total Length: 10051	
County: CANADIAN			Measured Total Depth: 20052	
Spot Location of End Point: SE	SE	SW	SE	True Vertical Depth: 9587
Feet From: SOUTH	1/4 Section Line: 66		End Point Location from	
Feet From: EAST	1/4 Section Line: 1413		Lease,Unit, or Property Line: 66	

NOTES:	
Category	Description
DEEP SURFACE CASING	9/4/2018 - 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	9/4/2018 - 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; 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 - 694968	1/31/2020 - G56 - 2-10N-6W X148788 MSSP 2 WELLS NO OP. NAMED 4/22/2019
INCREASED DENSITY - 694969	1/31/2020 - G56 - 11-10N-6W X96483 MSSLM 2 WELLS NO OP. NAMED 4/22/2019
LOCATION EXCEPTION - 708586 (201806684)	8/18/2020 - G56 - (F.O.) 2 & 11-10N-6W X148788 MSSP 2-10N-6W X96483 MSSLM 11-10N-6W SHL 275' FNL, 1930' FWL COMPL INT (2-10N-6W) FIRST PERF 188' FNL, 1433' FEL LAST PERF 0' FSL, 1437' FEL COMPL INT (11-10N-6W) FIRST PERF 0' FNL, 1437' FEL LAST PERF 177' FSL, 1417' FEL ROAN RESOURCES, LLC 2/7/2020
MEMO	9/4/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202001312	8/18/2020 - G56 - 2 & 11-10N-6W AMD 708586 TO ADD X165:10-3-28(C)(C)(B) FOR HUNT 1-11 AND GARR 11-2 WELLS NO OP NAMED REC 8/10/2020 (MOORE)
SPACING - 148788	1/31/2020 - G56 - (640) 2-10N-6W VAC OTHERS EXT 141085 MSSP, OTHERS
SPACING - 705304 (201806683)	1/31/2020 - G56 - (F.O.) 2 & 11-10N-6W EST MULTIUNIT HORIZONTAL WELL X148788 MSSP 2-10N-6W X96483 MSSLM 11-10N-6W 49.6998% 2-10N-6W 50.3002% 11-10N-6W ROAN RESOURCES, LLC 11/19/2019
SPACING - 96483	1/31/2020 - G56 - (640) 11-10N-6W EST MSSLM

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