

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

API NUMBER: 017 25291 A

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

Horizontal Hole Oil & Gas  
Multi Unit

Amend reason: SHL UPDATED

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 10N Rge: 6W County: CANADIAN  
SPOT LOCATION:  NE  NW  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 235 1930

Lease Name: EARL 2-11-10-6 Well No: 2WXH Well will be 235 feet from nearest unit or lease boundary.

Operator ROAN RESOURCES LLC Telephone: 4058968453 OTC/OCC Number: 24127 0  
Name:

ROAN RESOURCES LLC  
14701 HERTZ QUAIL SPRINGS PKWY  
OKLAHOMA CITY, OK 73134-2641

EARL LEON FAUBION  
6908 S VILLA AVE  
OKLAHOMA CITY OK 73159

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

Name	Depth	Name	Depth
1 WOODFORD	9410	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 658765

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806685  
201806686  
201806681  
201806697  
201806680

Special Orders:

Total Depth: 19946 Ground Elevation: 1305 Surface Casing: 1500 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 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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

C. Annular Injection -- (REQUIRES PERMIT and surface casing set 200 feet below base of treatable water-bearing formation.)

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35310

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 located in a Hydrologically Sensitive Area.

Category of Pit: 3
Liner required for Category: 3
Pit Location is BED AQUIFER
Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 11 Twp 10N Rge 6W 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: 2010
Depth of Deviation: 8758
Radius of Turn: 575
Direction: 175
Total Length: 10285
Measured Total Depth: 19946
True Vertical Depth: 9410
End Point Location from Lease,
Unit, or Property Line: 65

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, MEMO, and PENDING CD - 201806680.

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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.

Category	Description
PENDING CD - 201806681	9/20/2018 - G58 - (E.O.)(640)(HOR) 2-10N-6W EXT 633257 WDFD, OTHER POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL REC 10/22/2018 (NORRIS)
PENDING CD - 201806685	9/20/2018 - G58 - (E.O.) 2 & 11-10N-6W EST MULTIUNIT HORIZONTAL WELL X201806681 WDFD 2-10N-6W X658765 WDFD 11-10N-6W XOTHER (WDFD IS TARGET FORMATION) 50% 2-10N-6W 50% 11-10N-6W NO OP. NAMED REC 10/22/2018 (NORRIS)
PENDING CD - 201806686	9/20/2018 - G58 - (E.O.) 2 & 11-10N-6W X201806681 WDFD 2-10N-6W X658765 WDFD 11-10N-6W XOTHER COMPL. INT. 2-10N-6W NCL 165' FNL, NCT 0' FSL, NCT 2010' FWL COMPL. INT. 11-10N-6W NCT 0' FNL, NCT 165' FSL, NCT 2010' FWL NO OP. NAMED REC 10/22/2018 (NORRIS)
PENDING CD - 201806697	9/20/2018 - G58 - 2-10N-6W X201806681 WDFD 2 WELLS NO OP. NAMED HEARING 10/30/2018
SPACING - 658765	9/20/2018 - G58 - (640)(HOR) 11-10N-6W EST WDFD POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL

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Office of the Conservation Division as to when Surface Casing will be run.