

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

API NUMBER: 017 25309 A

Approval Date: 11/02/2018
Expiration Date: 05/02/2020

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION TO CORRECT SURFACE HOLE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 10N Rge: 7W County: CANADIAN
SPOT LOCATION: NW NE NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 260 785

Lease Name: MAD PLAY 5-8-10-7 Well No: 2MXH Well will be 260 feet from nearest unit or lease boundary.

Operator Name: ROAN RESOURCES LLC Telephone: 4052412150 OTC/OCC Number: 24127 0

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

GARY G MARGARET R STRAKA
9305 REFORMATORY STREET
TRUSTEES OF THE STRAKS GRANTOR TRUST 7/21/2015
UNION CITY OK 73090

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	11029	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 107705
98732

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807939
201807940
201807945
201807946

Special Orders:

Total Depth: 19949 Ground Elevation: 1255 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 300

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: 30000 Average: 5000
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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35583

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 ALLUVIAL
Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 08 Twp 10N Rge 7W County CANADIAN
Spot Location of End Point: W2 E2 W2 W2
Feet From: NORTH 1/4 Section Line: 2640
Feet From: WEST 1/4 Section Line: 800
Depth of Deviation: 11000
Radius of Turn: 749
Direction: 179
Total Length: 7772
Measured Total Depth: 19949
True Vertical Depth: 11029
End Point Location from Lease,
Unit, or Property Line: 800

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, MEMO, and PENDING CD - 201807939.

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Category	Description
PENDING CD - 201807940	10/26/2018 - G58 - (I.O.) 5 & 8-10N-7W X107705 MSSLM 5-10N-7W X98732 MSSLM 8-10N-7W COMPL. INT. 5-10N-7W NCT 0' FSL, NCT 150' FNL, NCT 785' FWL COMPL. INT. 8-10N-7W NCT 0' FNL, NCT 1320' FSL, NCT 785' FWL NO OP. NAMED REC 10/16/2018 (DUNN)
PENDING CD - 201807945	10/26/2018 - G58 - 5-10N-7W X107705 MSSLM 2 WELLS NO OP. NAMED REC 10/16/2018 (DUNN)
PENDING CD - 201807946	10/26/2018 - G58 - 8-10N-7W X98732 MSSLM 2 WELLS NO OP. NAMED REC 10/16/2018 (DUNN)
SPACING - 107705	10/26/2018 - G58 - (640) 5 & 8-10N-7W CONFIRMS SP ORDER 98732 EXT 98732 MSSLM, OTHERS
SPACING - 98732	10/26/2018 - G58 - (640) 8-10N-7W EST MSSLM, OTHERS

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