

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

API NUMBER: 017 25227

Approval Date: 05/30/2018

Expiration Date: 11/30/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 11N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 280 1570

Lease Name: SEABISCUIT 1-12-11-6

Well No: 1WXH

Well will be 280 feet from nearest unit or lease boundary.

Operator
Name: ROAN RESOURCES LLC

Telephone: 4052412237

OTC/OCC Number: 24127 0

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

KAREN K. HAYES
601 S. FRISCO RD.
YUKON OK 73099

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

Name	Depth	Name	Depth
1 WOODFORD	8800	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 652293

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803769
201803771
201803772
201803770

Special Orders:

Total Depth: 19310

Ground Elevation: 1354

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 1220

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

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.

B. Solidification of pit contents.

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

PERMIT NO: 18-34534

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 12 Twp 11N Rge 6W County CANADIAN

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 65

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 8135

Radius of Turn: 573

Direction: 170

Total Length: 10274

Measured Total Depth: 19310

True Vertical Depth: 8800

End Point Location from Lease,
Unit, or Property Line: 65

Notes:

Category

Description

DEEP SURFACE CASING

5/17/2018 - 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

5/17/2018 - 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

MEMO

5/17/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201803769

5/17/2018 - G57 - (E.O.)(640)(HOR) 1-11N-6W
EXT 652293 WDFD, OTHERS
POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
REC 5-15-2018 (JACKSON)

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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.

017 25227 SEABISCUIT 1-12-11-6 1WXH

Category	Description
PENDING CD - 201803770	5/17/2018 - G57 - 12-11N-6W X652293 WDFD 1 WELL NO OP. NAMED HEARING 5-29-2018
PENDING CD - 201803771	5/17/2018 - G57 - (E.O.) 1 & 12-11N-6W EST MULTIUNIT HORIZONTAL WELL X201803769 WDFD 1-11N-6W X652293 WDFD 12-11N-6W 50% 1-11N-6W 50% 12-11N-6W NO OP. NAMED REC 5-15-2018 (JACKSON)
PENDING CD - 201803772	5/17/2018 - G57 - (E.O.) 1 & 12-11N-6W X201803769 WDFD X652293 WDFD COMPL. INT. (1-11N-6W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (12-11N-6W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL NO OP. NAMED REC 5-15-2018 (JACKSON)
SPACING - 652293	5/17/2018 - G57 - (640)(HOR) 12-11N-6W EST WDFD, OTHERS POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

