

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

API NUMBER: 011 24093

Approval Date: 09/27/2018

Expiration Date: 03/27/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 14N Rge: 11W County: BLAINE

SPOT LOCATION:     FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 290 235

Lease Name: BURR OAK 2\_35-14N-11W Well No: 1HX Well will be 235 feet from nearest unit or lease boundary.

Operator Name: DEVON ENERGY PRODUCTION CO LP

Telephone: 4052353611; 4052353

OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP  
333 W SHERIDAN AVE  
OKLAHOMA CITY, OK 73102-5015

FRANCIS LEE ICE  
31750 234TH ST. NW  
GEARY OK 73040

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	10168	6	
2	MISSISSIPPI	11612	7	
3	WOODFORD	12332	8	
4			9	
5			10	

Spacing Orders: 594321  
605569

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806771  
201806770

Special Orders:

Total Depth: 20265

Ground Elevation: 1443

**Surface Casing: 1999**

Depth to base of Treatable Water-Bearing FM: 50

Under Federal Jurisdiction: Yes

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: 8000 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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 18-35340

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? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 35 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 9830

Radius of Turn: 478

Direction: 1

Total Length: 9684

Measured Total Depth: 20265

True Vertical Depth: 12332

End Point Location from Lease,  
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

9/7/2018 - 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

9/7/2018 - 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](http://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](http://FRACFOCUS.ORG)

INTERMEDIATE CASING

9/7/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

9/7/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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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.

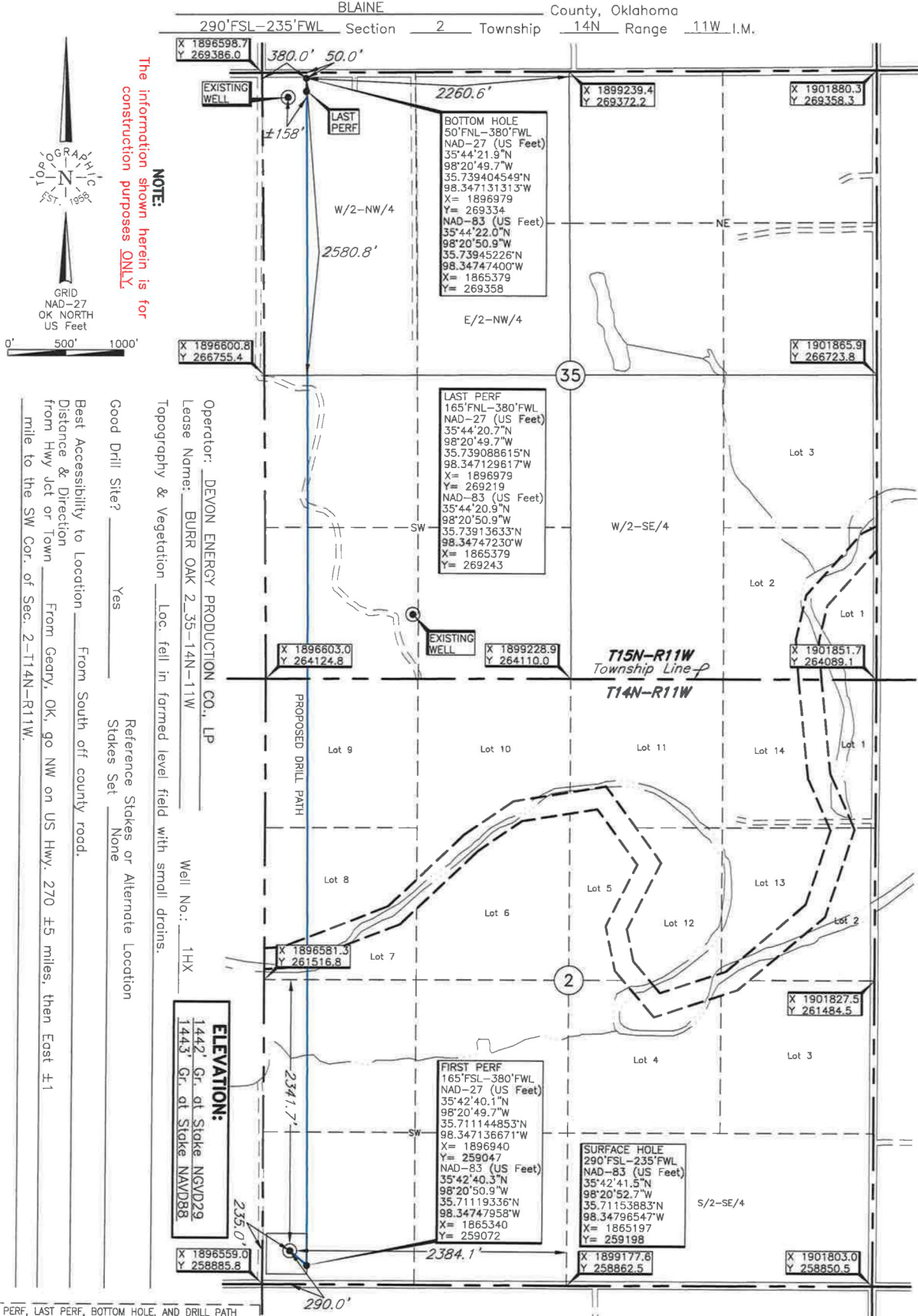
011 24093 BURR OAK 2\_35-14N-11W 1HX

Category	Description
PENDING CD - 201806770	9/26/2018 - G57 - (I.O.) 2-14N-11W & 35-15N-11W EST MULTIUNIT HORIZONTAL WELL X594321 MSSLM, WDFD 2-14N-11W X605569 MISS, WDFD 35-15N-11W (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE MISS & MSSLM) 50% 2-14N-11W 50% 35-15N-11W DEVON ENERGY PRODUCTION COMPANY, L.P. REC 9-11-2018 (M. PORTER)
PENDING CD - 201880677	9/26/2018 - G57 - (I.O.) 2-14N-11W & 35-15N-11W X594321 MSSLM, WDFD 2-14N-11W X605569 MISS, WDFD 35-15N-11W COMPL. INT. (2-14N-11W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (35-15N-11W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL DEVON ENERGY PRODUCTION COMPANY, L.P. REC 9-11-2018 (M. PORTER)
SPACING - 594321	9/26/2018 - G57 - (640) 2-14N-11W EXT 562922 MSSLM, WDFD, OTHER
SPACING - 605569	9/26/2018 - G57 - (640) 35-15N-11W EXT 585012/594321 MISS, WDFD, OTHER

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

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FIRST PERF, LAST PERF, BOTTOM HOLE, AND DRILL PATH  
INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

DATUM: NAD-27  
LAT: 35°42'41.4"N  
LONG: 98°20'51.4"W  
LAT: 35.711490315"N  
LONG: 98.347623112"W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1896796  
Y: 259174

Invoice # 302435 Date of Drawing: Sept. 5, 2018  
Date Staked: Aug. 15, 2018

**CERTIFICATE:**

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell  
Oklahoma Lic. No. 1433

