

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

API NUMBER: 011 24004

Approval Date: 05/01/2018

Expiration Date: 11/01/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 15N Rge: 10W County: BLAINE
SPOT LOCATION: NE NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 30 1510

Lease Name: KRAKEN 33_28-16N-10W Well No: 8HX Well will be 30 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

LOOSEN FAMILY LIMITED PARTNERSHIP
P.O. BOX 1337
OKLAHOMA CITY OK 73101

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	10103	6	
2 WOODFORD	10738	7	
3		8	
4		9	
5		10	

Spacing Orders: 645371
661313

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801579
201801596
201801593
201801592

Special Orders:

Total Depth: 20556 Ground Elevation: 1306 **Surface Casing: 1999** Depth to base of Treatable Water-Bearing FM: 40

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

PIT 1 INFORMATION

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-34130

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

HORIZONTAL HOLE 1

Sec 28 Twp 16N Rge 10W County BLAINE

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1025

Depth of Deviation: 9443

Radius of Turn: 477

Direction: 3

Total Length: 10364

Measured Total Depth: 20556

True Vertical Depth: 10738

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

Notes:

Category

Description

DEEP SURFACE CASING

3/21/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

3/21/2018 - 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

INTERMEDIATE CASING

3/21/2018 - 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

3/21/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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

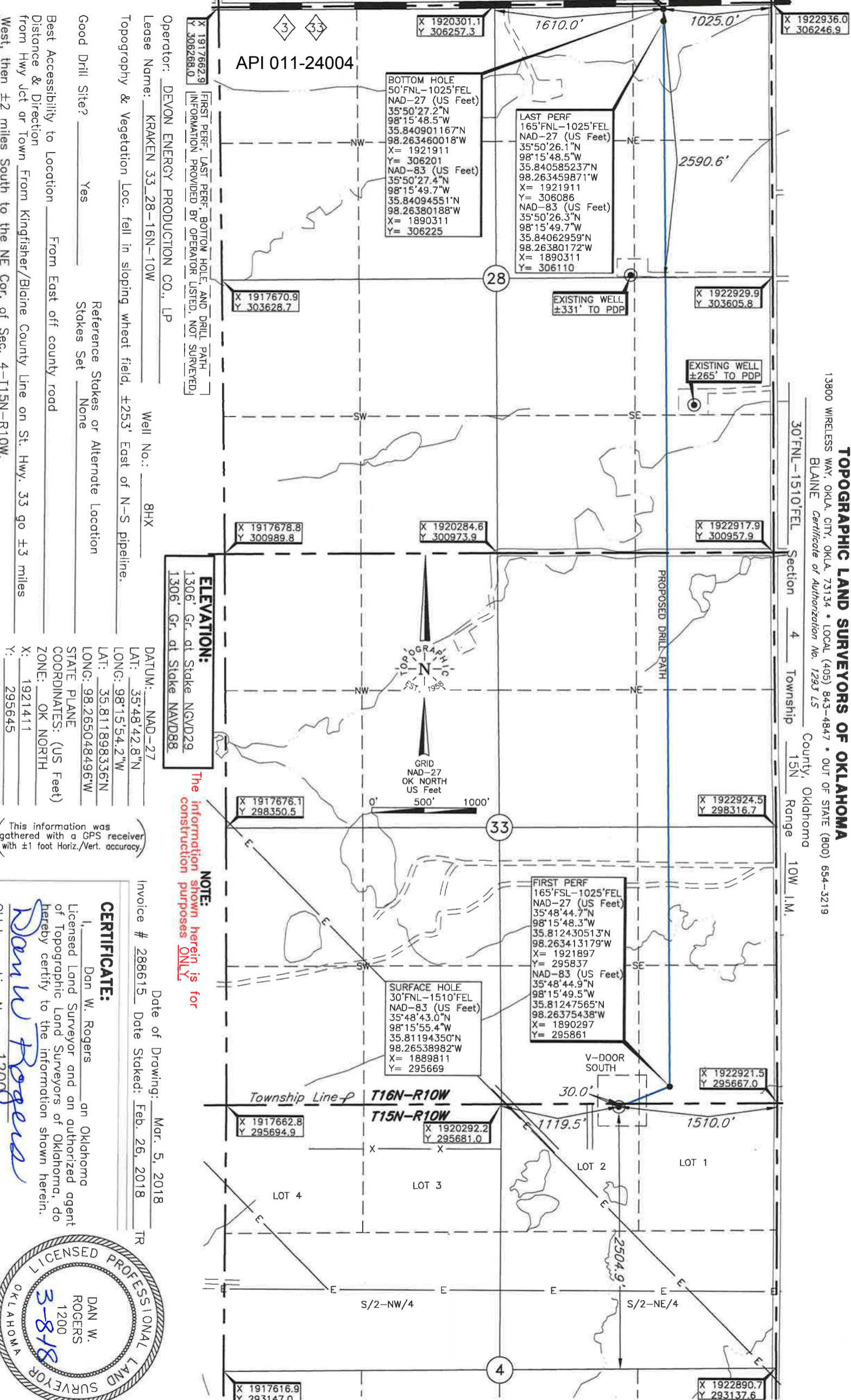
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

Category	Description
PENDING CD - 201801579	3/22/2018 - G75 - 28-16N-10W X661313 MSSP 7 WELLS DEVON ENERGY PROD. CO., L.P. REC 4-3-2018 (MINMIER)
PENDING CD - 201801592	3/22/2018 - G75 - (E.O.) 33 & 28-16N-10W EST MULTIUNIT HORIZONTAL WELL X645371 MSSP, WDFD 33-16N-10W X661313 MSSP, WDFD 28-16N-10W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 33-16N-10W 50% 28-16N-10W DEVON ENERGY PROD. CO., L.P. REC 4-27-2018 (P. PORTER)
PENDING CD - 201801593	3/22/2018 - G75 - (E.O.) 33 & 28-16N-10W X645371 MSSP, WDFD 33-16N-10W X661313 MSSP, WDFD 28-16N-10W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (33-16N-10W) NCT 0' FSL, NCT 0' FNL, NCT 330' FEL ** COMPL. INT. (28-16N-10W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL DEVON ENERGY PROD. CO., L.P. REC 4-27-2018 (P. PORTER)
PENDING CD - 201801596	** COMMON MINERAL OWNERSHIP ACROSS S2 33-16N-10W & N2 4-15N-10W PER OPERATOR; 3/22/2018 - G75 - 33-16N-10W X645371 MSSP 7 WELLS DEVON ENERGY PROD. CO., L.P. REC 4-3-2018 (MINMIER)
SPACING - 645371	3/22/2018 - G75 - (640)(HOR) 33-16N-10W EST MSSP EXT 588245 WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER 161625 MCSTR)
SPACING - 661313	3/22/2018 - G75 - (640)(HOR) 28-16N-10W EXT 645367 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 167297 MCSTR & ORDER # 555820 MSSLM)

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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
 13600 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 BLAINE Certificate of Authorization No. 1293 LS County, Oklahoma Range 15N Township 4N Section 4



Operator: DEVON ENERGY PRODUCTION CO., LP
 Lease Name: KRAKEN 33_28-16N-10W Well No.: 8HX
 Topography & Vegetation Loc. fell in sloping wheat field, ±253' East of N-S pipeline.
 Good Drill Site? Yes Reference Stakes or Alternate Location
 Stakes Set None
 Best Accessibility to Location From East off county road
 Distance & Direction From Hwy Jct or Town From Kingfisher/Blaine County Line on St. Hwy. 33 go ±3 miles West, then ±2 miles South to the NE Cor. of Sec. 4-T15N-R10W.

ELEVATION:
 1306' Gr. at Stake NCVDD29
 1306' Gr. at Stake NAVD88

DATUM: NAD-27
 LAT: 35°48'42.8"N
 LONG: 98°15'54.2"W
 LAT: 35.811898336°N
 LONG: 98.2650484966°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1921411
 Y: 295645

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

NOTE: The information shown herein is for construction purposes ONLY.

Invoice # 288615 Date of Drawing: Mar. 5, 2018
 Date Staked: Feb. 26, 2018

CERTIFICATE:
 I, Dan W. Rogers an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Dan W. Rogers
 Oklahoma Lic. No. 1200

