

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

API NUMBER: 011 24003

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:  NW  NE  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 250 2297

Lease Name: KRAKEN 33\_28-16N-10W Well No: 5HX Well will be 250 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	10148	6	
2	WOODFORD	10778	7	
3			8	
4			9	
5			10	

Spacing Orders: 645371  
661313

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801586  
201801587  
201801596  
201801579

Special Orders:

Total Depth: 21048 Ground Elevation: 1309 **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

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 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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34129  
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: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2320

Depth of Deviation: 9787

Radius of Turn: 573

Direction: 1

Total Length: 10361

Measured Total Depth: 21048

True Vertical Depth: 10778

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

Notes:

Category

Description

DEEP SURFACE CASING

3/14/2018 - 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

3/14/2018 - 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

3/14/2018 - 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

3/14/2018 - 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.

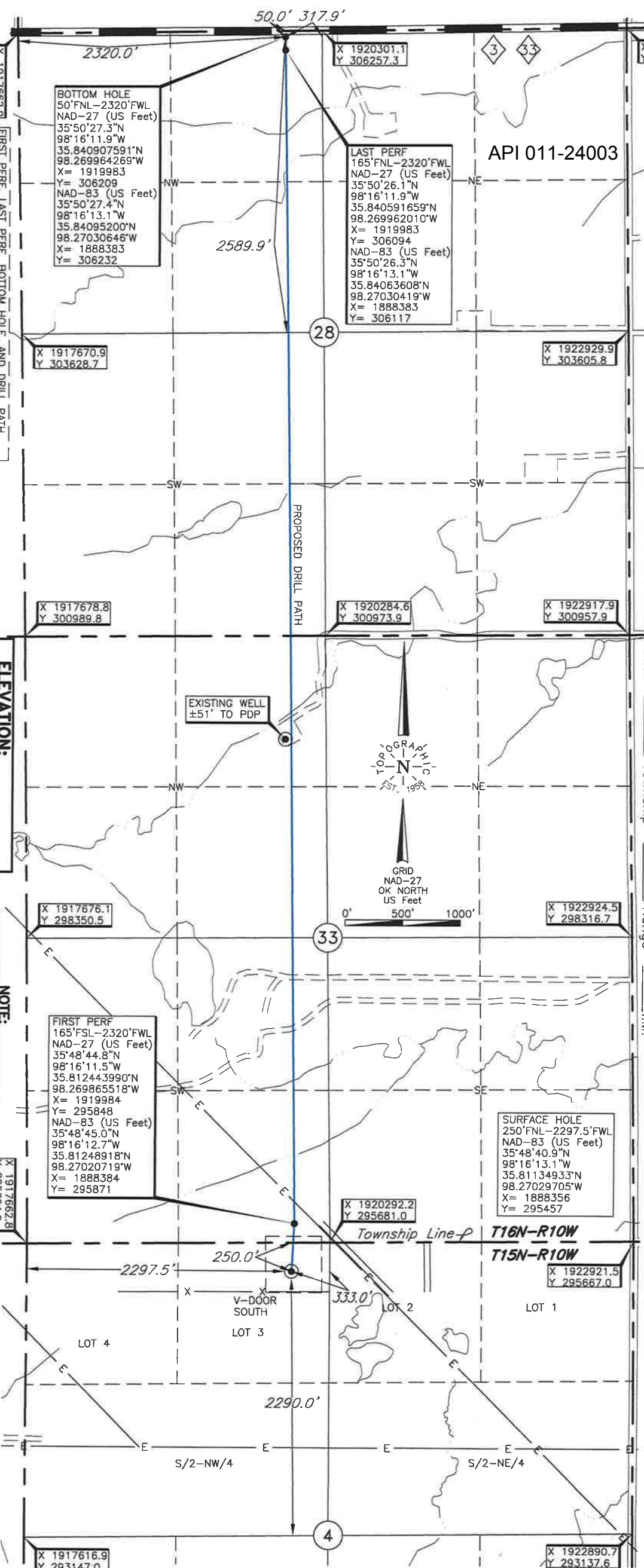
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

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 - 201801586	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 - 201801587	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 1320' FWL ** COMPL. INT. (28-16N-10W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL 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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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.

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**  
 13800 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  
 Township 15N Range 10W 1.M.



API 011-24003

**BOTTOM HOLE**  
 50'FNL-2320'FWL  
 NAD-27 (US Feet)  
 35°50'27.3"N  
 98°16'11.9"W  
 35.840907591°N  
 98.269964269°W  
 X = 1919983  
 Y = 306209  
 NAD-83 (US Feet)  
 35°50'27.4"N  
 98°16'13.1"W  
 35.84095200°N  
 98.27030646°W  
 X = 1888383  
 Y = 306232

**LAST PERF**  
 165'FNL-2320'FWL  
 NAD-27 (US Feet)  
 35°50'26.1"N  
 98°16'11.9"W  
 35.840591659°N  
 98.269962010°W  
 X = 1919983  
 Y = 306094  
 NAD-83 (US Feet)  
 35°50'26.3"N  
 98°16'13.1"W  
 35.84063608°N  
 98.27030419°W  
 X = 1888383  
 Y = 306117

**ELEVATION:**  
 1309' Gr. at Stake NCV029  
 1309' Gr. at Stake NAVD88

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

**SURFACE HOLE**  
 250'FNL-2297.5'FWL  
 NAD-83 (US Feet)  
 35°48'40.9"N  
 98°16'13.1"W  
 35.81134933°N  
 98.27029705°W  
 X = 1888356  
 Y = 295457

**FIRST PERF**  
 165'FNL-2320'FWL  
 NAD-27 (US Feet)  
 35°48'44.8"N  
 98°16'11.5"W  
 35.812443990°N  
 98.269865518°W  
 X = 1919984  
 Y = 295848  
 NAD-83 (US Feet)  
 35°48'45.0"N  
 98°16'12.7"W  
 35.81248918°N  
 98.27020719°W  
 X = 1888384  
 Y = 295871

Operator: DEVON ENERGY PRODUCTION CO., LP  
 Lease Name: KRAKEN 33\_28-16N-10W  
 Topography & Vegetation Loc. fell in sloping wheat field.  
 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.

Well No.: 5HX  
 DATUM: NAD-27  
 LAT: 35°48'40.7"N  
 LONG: 98°16'11.8"W  
 LAT: 35.811304114°N  
 LONG: 98.269955535°W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1919956  
 Y: 295433

Date of Drawing: Mar. 2, 2018  
 Invoice # 288614A Date Staked: Feb. 26, 2018  
**CERTIFICATE:**  
 Dan W. Rogers on 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



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