

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

API NUMBER: 153 23586

Approval Date: 09/09/2016
Expiration Date: 03/09/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 20N Rge: 17W County: WOODWARD
SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 230 2330

Lease Name: BRECKENRIDGE 27-20N-17W Well No: 1H Well will be 230 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 73102-5010

DANIEL R. BRECKENRIDGE
57843 SOUTH COUNTY ROAD 225
SEILING OK 73663

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8950	6	
2	WOODFORD	10820	7	
3	HUNTON	10860	8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603219
201603220

Special Orders:

Total Depth: 14561 Ground Elevation: 1802 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 60

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: RUSH SPRINGS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31575
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 BED AQUIFER

Pit Location Formation: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 27 Twp 20N Rge 17W County WOODWARD

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2330

Depth of Deviation: 9310

Radius of Turn: 478

Direction: 360

Total Length: 4500

Measured Total Depth: 14561

True Vertical Depth: 10860

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

Notes:

Category

Description

COMPLETION INTERVAL

9/1/2016 - G75 - COMPLETION INTERVAL FOR WOODFORD WILL BE GREATER THAN 165' FNL & FSL, GREATER THAN 330' FEL & FWL PER OPERATOR

DEEP SURFACE CASING

9/1/2016 - 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

9/1/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

INTERMEDIATE CASING

9/1/2016 - 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

9/1/2016 - 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.
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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.

153 23586 BRECKENRIDGE 27-20N-17W 1H

Category	Description
PENDING CD - 201603219	9/1/2016 - G75 - (E.O.)(640)(HOR) 27-20N-17W VAC 55987 CRLM VAC 129845 STGV, STLS, SPWR, OSGE, HNTN EST MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL DEVON ENERGY PROD. CO., L.P. REC 9-9-2016 (DECKER)
PENDING CD - 201603220	9/1/2016 - G75 - (E.O.) 27-20N-17W X201603219 MSSP, HNTN COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL OR FWL DEVON ENERGY PROD. CO., L.P. REC 9-9-2016 (DECKER)

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.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

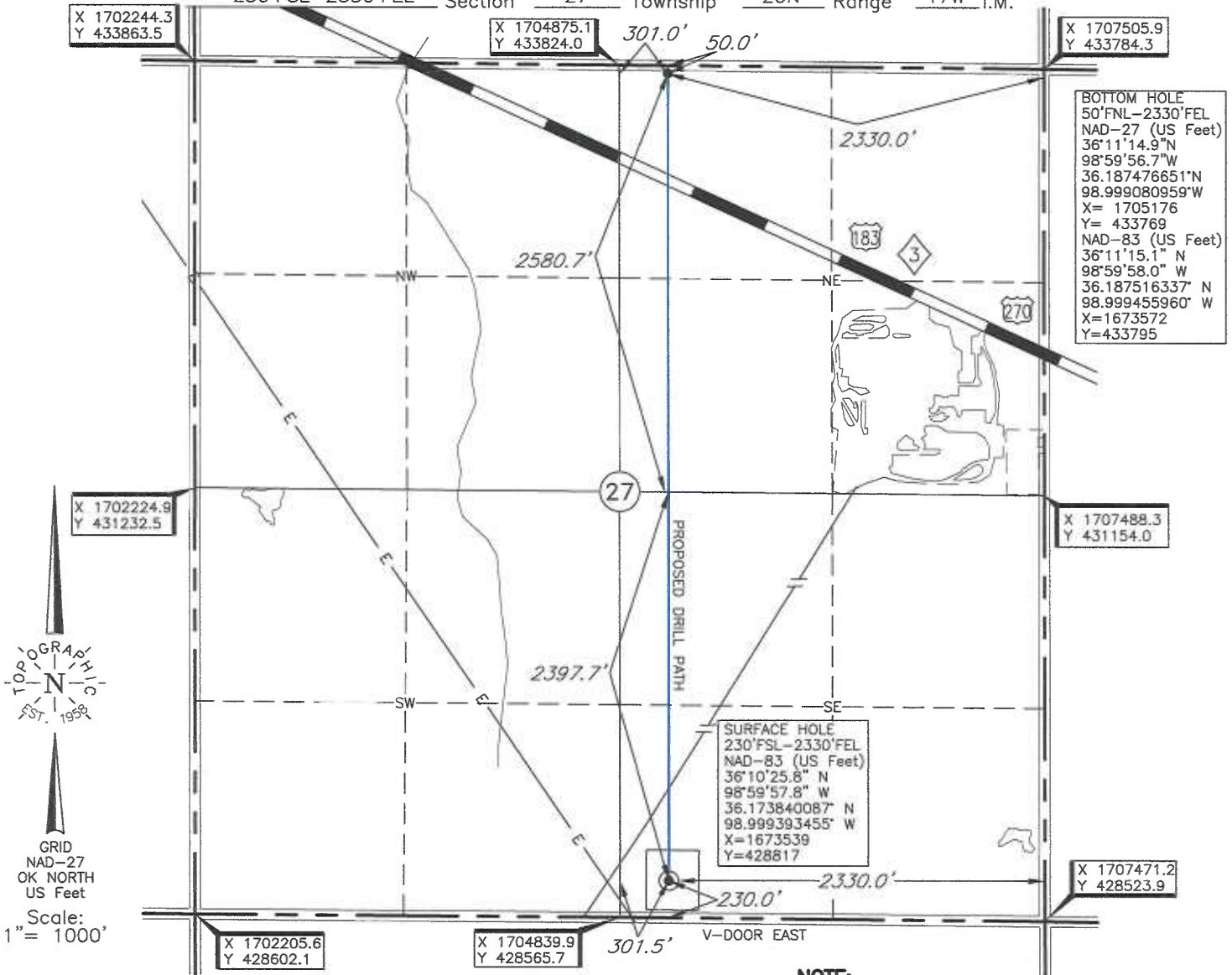
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

WOODWARD

County, Oklahoma

API 153-23586

230'FSL-2330'FEL Section 27 Township 20N Range 17W I.M.



BOTTOM HOLE
 50'FNL-2330'FEL
 NAD-27 (US Feet)
 36°11'14.9"N
 98°59'56.7"W
 36.187476651°N
 98.999080959°W
 X= 1705176
 Y= 433769
 NAD-83 (US Feet)
 36°11'15.1" N
 98°59'58.0" W
 36.187516337° N
 98.999455960° W
 X=1673572
 Y=433795

SURFACE HOLE
 230'FSL-2330'FEL
 NAD-83 (US Feet)
 36°10'25.8" N
 98°59'57.8" W
 36.173840087° N
 98.999393455° W
 X=1673539
 Y=428617

BOTTOM HOLE AND DRILL PATH INFORMATION
 (PROVIDED BY OPERATOR LISTED, NOT SURVEYED.)

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

Operator: DEVON ENERGY PRODUCTION CO., LP

Lease Name: BRECKENRIDGE 27-20N-17W

Well No.: 1H

ELEVATION:
1802' Gr. at Stake

Topography & Vegetation Loc. fell in sloped wheat field; possible pipeline in area ±311 NW of stake

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South off county road

Distance & Direction from Hwy Jct or Town From the junction of US Hwy. 270 E-W and US Hwy. 183 S, near Seiling, OK, go West ±3.0 miles, then go South ±1.25 miles to the SW Cor. of Sec. 27-T20N-R17W

DATUM: NAD-27
 LAT: 36°10'25.7"N
 LONG: 98°59'56.5"W
 LAT: 36.173800172°N
 LONG: 98.999018443°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1705143
 Y: 428791

Date of Drawing: Aug. 25, 2016
 Invoice # 263289 Date Staked: Aug. 10, 2016 TR

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



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