

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

API NUMBER: 073 25385

Approval Date: 09/28/2016  
Expiration Date: 03/28/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 15N Rge: 9W County: KINGFISHER  
SPOT LOCATION:  NE  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 300 350

Lease Name: BERNHARDT 8\_5-15N-9W Well No: 1HX Well will be 300 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

HAROLD & JUDY BERNHARDT  
1913 EAST 860 ROAD  
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8989	6	
2	WOODFORD	10404	7	
3	HUNTON	10479	8	
4			9	
5			10	

Spacing Orders: 645049  
631851

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603403  
201603404

Special Orders:

Total Depth: 20236

Ground Elevation: 1261

**Surface Casing: 1999**

Depth to base of Treatable Water-Bearing FM: 360

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: 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 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: CHICKASHA

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

PERMIT NO: 16-31567

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: CHICKASHA

HORIZONTAL HOLE 1

Sec 05 Twp 15N Rge 9W County KINGFISHER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 350

Depth of Deviation: 9291

Radius of Turn: 477

Direction: 360

Total Length: 10195

Measured Total Depth: 20236

True Vertical Depth: 10479

End Point Location from Lease,  
Unit, or Property Line: 200

Notes:

Category

Description

DEEP SURFACE CASING

8/29/2016 - 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

8/29/2016 - 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

8/29/2016 - 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

8/29/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201603403

8/29/2016 - G60 - (I.O.) 8 & 5-15N-9W  
EST MULTIUNIT HORIZONTAL WELL  
X645049 (8-15N-9W) MSNLC, WDFD, HNTN  
X631851 (5-15N-9W) MSSP, WDFD, HNTN  
50% 8-15N-9W  
50% 5-15N-9W  
NO OP. NAMED  
REC. 9-23-16 (COLAW)

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

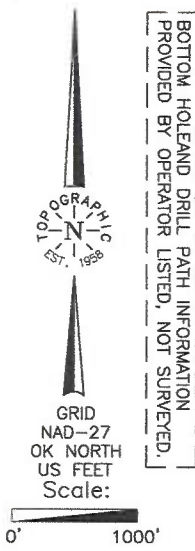
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

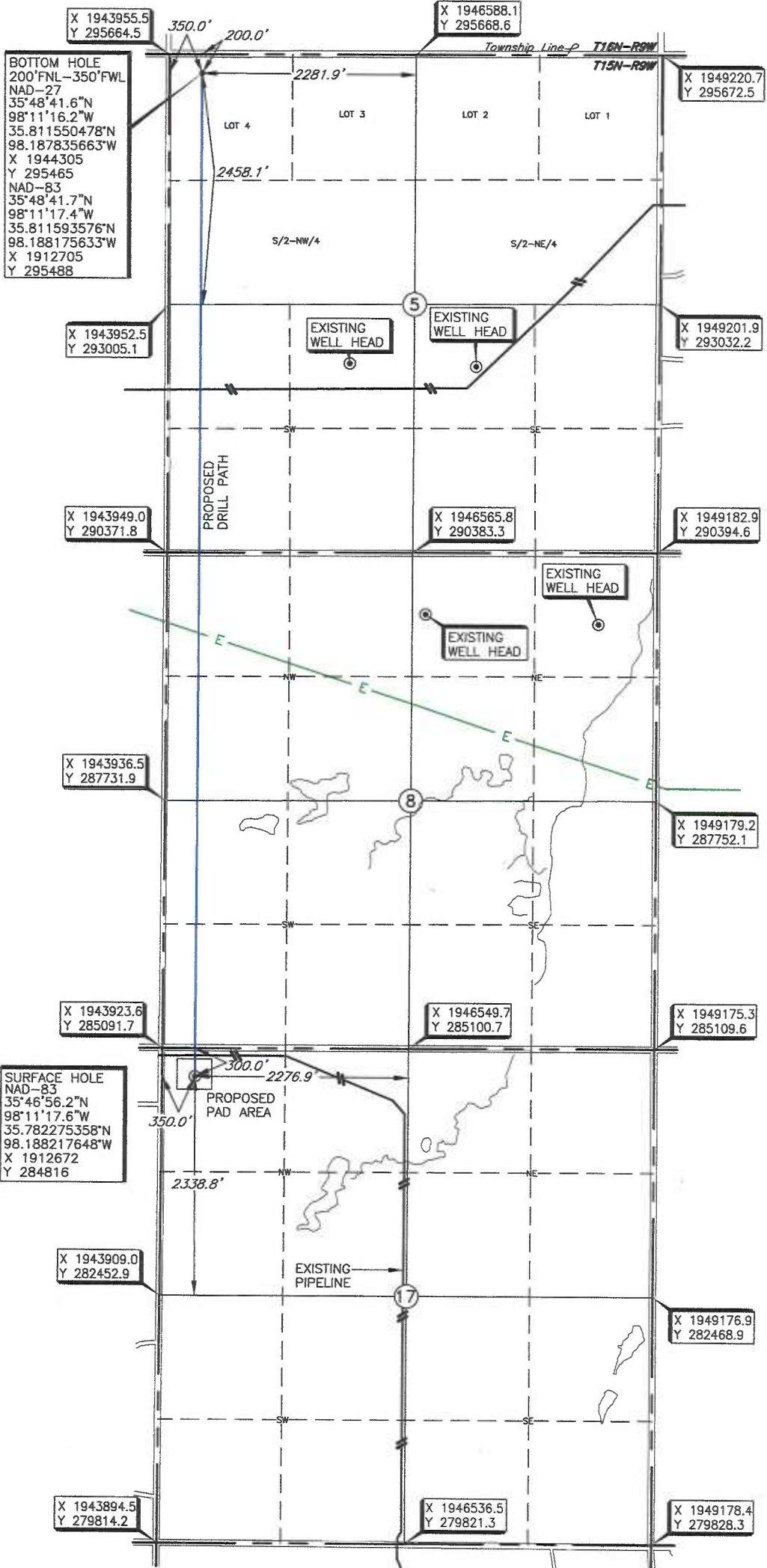
073 25385 BERNHARDT 8\_5-15N-9W 1HX

Category	Description
PENDING CD - 201603404	<p>8/30/2016 - G60 - (I.O.) 8 &amp; 5-15N-9W  X645049 (8-15N-9W) MSSP, WDFD, HNTN **  X631851 (5-15N-9W) MSSP, WDFD, HNTN  COMPL. INT. (8-15N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL  COMPL. INT. (5-15N-9W) NCT 0' FNL, NCT 165' FNL, NCT 330' FWL  NO OP. NAMED  REC. 9-23-16 (COLAW)</p> <p>**SHOULD BE MSNLC, WILL BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER LAWYER</p>
SPACING - 631851	<p>8/29/2016 - G60 - (640)(HOR) 5-15N-9W  EST MSSP, WDFD, HNTN  COMPL. INT. (MSSP, HNTN) NLT 660' FB  COMPL. INT. (WDFD) NLT 330' FEL &amp; FWL, NCT 165' FNL &amp; FSL  (COEXIST WITH 56289 MCSTR; SP. ORDER 212941 MSSSD HNTN)</p>
SPACING - 645049	<p>8/30/2016 - G60 - (640)(HOR) 8-15N-9W  EST MSNLC, HNTN  EXT 642679 WDFD  COMPL. INT. (MSNLC, HNTN) NCT 660' FB  COMPL. INT. (WDFD) NCT 165' FNL &amp; FSL, NCT 330' FEL &amp; FWL  (COEXIST WITH SP. OR DER 176175 MSSSD, HNTN)</p>

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.



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



**BOTTOM HOLE**  
 200'FNL-350'FWL  
 NAD-27  
 35°48'41.6"N  
 98°11'16.2"W  
 35.811550478"N  
 98.187835663"W  
 X 1944305  
 Y 295465  
 NAD-83  
 35°48'41.7"N  
 98°11'17.4"W  
 35.811593576"N  
 98.188175633"W  
 X 1912705  
 Y 295488

**SURFACE HOLE**  
 NAD-83  
 35°46'56.2"N  
 98°11'17.6"W  
 35.782275358"N  
 98.188217648"W  
 X 1912672  
 Y 284816

Operator: DEVON ENERGY PRODUCTION CO., LP  
 Lease Name: BERNHARDT 8\_5-15N-9W  
 Topography & Vegetation Location fall in plowed field ±222' south of existing pipeline.  
 Well No.: 1HX  
 ELEVATION: 1261' Gr. at Stake

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

Best Accessibility to Location From county road north of well location.  
 Distance & Direction From the Jct. of U.S. Hwy. 81 and St. Hwy 33 at Kingfisher, OK., go ±14.5 miles west on St. Hwy. 33, then go south on county road ±4 miles to the Northwest Corner of Section 17, T15N-R9W.

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

Revision  B Date of Drawing: Aug. 03, 2016  
 Invoice # 262264 Date Staked: June 30, 2016 JWJ

**CERTIFICATE:**  
 I, Lee K. Goss an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.  
Lee K. Goss  
 Oklahoma Lic. No. 1778



Information was gathered with a GPS receiver with a horizontal accuracy of ±1 ft.