

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

API NUMBER: 073 25361

Approval Date: 08/18/2016

Expiration Date: 02/18/2017

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 15N Rge: 9W

County: KINGFISHER

SPOT LOCATION:

SE

SW

SW

SW

FEET FROM QUARTER: FROM

SOUTH

FROM

WEST

SECTION LINES:

275

628

Lease Name: HAROLD 16\_9-15N-9W

Well No: 1HX

Well will be 275 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, COTRTEES OF HAROLD &  
JUDY BERNHARDT  
1913 EAST 860 ROAD  
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8965	6	
2	WOODFORD	10385	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201602991  
201602990  
201602992  
201602993

Special Orders:

Total Depth: 19024

Ground Elevation: 1248

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 420

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: 16-31497

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 09 Twp 15N Rge 9W County KINGFISHER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 350

Depth of Deviation: 8482

Radius of Turn: 477

Direction: 358

Total Length: 9793

Measured Total Depth: 19024

True Vertical Depth: 10385

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

8/15/2016 - 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

8/15/2016 - 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

8/15/2016 - 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

8/15/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### PENDING CD - 201602990

8/15/2016 - G64 - (640)(HOR) 16-15N-9W  
EXT 642679 MSSP, WDFD  
POE TO BHL (MSSP) NCT 660' FB  
POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL  
(COEXIST SP. ORDER #184137 MSSSD, ORDER #137756 MNNG, ORDER #61960 CSTRU)  
REC. 8-16-2016 (COLAW)

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

073 25361 HAROLD 16\_9-15N-9W 1HX

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 - 201602991	8/15/2016 - G64 - (640)(HOR) 9-15N-9W EXT 652808 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER #52689 MCSTR & ORDER #277176 MRMCMC, OSGE) REC. 8-16-2016 (COLAW)
PENDING CD - 201602992	8/15/2016 - G64 - (I.O.) 16 & 9-15N-9W EST MULTIUNIT HORIZONTAL WELL X201602991 MSSP, WDFD X201602990 MSSP, WDFD (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 50% 16-15N-9W 50% 9-15N-9W DEVON ENERGY PROD. CO., L.P. REC. 8-16-2016 (COLAW)
PENDING CD - 201602993	8/15/2016 - G64 - (I.O.) 16 & 9-15N-9W X201602990 MSSP, WDFD X201602991 MSSP, WDFD SHL (16-15N-9W) SW4 COMPL. INT. (16-15N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (9-15N-9W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC. 8-16-2016 (COLAW)

