

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

API NUMBER: 011 23920 A

Approval Date: 01/18/2018  
Expiration Date: 07/18/2018

Horizontal Hole Oil & Gas

Amend reason: AMD SHL & BHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 18N Rge: 13W County: BLAINE  
SPOT LOCATION:  SE  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 390 410

Lease Name: PIONEER 3\_34-18N-13W Well No: 1HX Well will be 390 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

DONALD E. & RAMONA ANN FOSTER  
P.O. BOX 389  
CANTON OK 73724

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9225	6	
2	WOODFORD	10150	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707198  
201708539  
201708540  
201708541

Special Orders:

Total Depth: 20009 Ground Elevation: 1569 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 100

Under Federal Jurisdiction: Yes 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33551

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 34 Twp 19N Rge 13W County BLAINE

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 8850

Radius of Turn: 477

Direction: 358

Total Length: 10409

Measured Total Depth: 20009

True Vertical Depth: 10150

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

Notes:

Category

Description

DEEP SURFACE CASING

12/12/2017 - 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

12/12/2017 - 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

12/12/2017 - 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

12/12/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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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.

Category	Description
PENDING CD - 201707198	<p>12/22/2017 - G57 - (640)(HOR) 34-19N-13W  EXT 665706 WDFD  EST MSSP  POE TO BHL (MSSP) NCT 660' FB  POE TO BHL (WDFD) NCT 165' FNL &amp; FSL, NCT 330' FEL &amp; FWL  (COEXIST SP. ORDER #153696 MSSD) **  REC 11-14-2017 (MINMIER)</p> <p>** S/B COEXIST SP. ORDER #46580 UNCCR &amp; ORDER #153696 MNNG, MSSSD; APPLICATION AMENDED BY ATTORNEY FOR OPERATOR &amp; A COPY REVIEWED BY OCC TECHNICAL STAFF</p>
PENDING CD - 201708539	<p>1/9/2018 - G57 - (640)(HOR) 3-18N-13W  EXT 665706 WDFD  EST MSSP  POE TO BHL (MSSP) NCT 660' FB  POE TO BHL (WDFD) NCT 165' FNL &amp; FSL, NCT 330' FEL &amp; FWL  **  REC 1-9-2018 (MINMIER)</p> <p>** S/B COEXIST SP. ORDER #250031 UNCCR; APPLICATION AMENDED BY ATTORNEY FOR OPERATOR &amp; A COPY REVIEWED BY OCC TECHNICAL STAFF</p>
PENDING CD - 201708540	<p>1/10/2018 - G57 - (I.O.) 3-18N-13W &amp; 34-19N-13W  EST MULTIUNIT HORIZONTAL WELL  X201708539 MSSP, WDFD 3-18N-13W  X201707198 MSSP, WDFD 34-19N-13W  (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO MSSP)  50% 3-18N-13W  50% 34-19N-13W  DEVON ENERGY PRODUCTION COMPANY, LLC.  REC 1-9-2018 (MINMIER)</p>
PENDING CD - 201708541	<p>1/10/2018 - G57 - (I.O.) 3-18N-13W &amp; 34-19N-13W  X201708539 MSSP, WDFD 3-18N-13W  X201707198 MSSP, WDFD 34-19N-13W  COMPL. INT. (3-18N-13W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL  COMPL. INT. (34-19N-13W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL  DEVON ENERGY PRODUCTION COMPANY, LLC.  REC 1-9-2018 (MINMIER)</p>

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