

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

API NUMBER: 043 23530

Approval Date: 06/30/2017  
Expiration Date: 12/30/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 18N Rge: 15W County: DEWEY  
SPOT LOCATION:  NE  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 250 440

Lease Name: BLUEBIRD 3-18N-15W Well No: 1H 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 73102-5010

SHIRLEY E. KELLY  
66241 N. 2410 RD.  
CANTON OK 73724

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9260	6	
2	WOODFORD	11150	7	
3	HUNTON	11200	8	
4			9	
5			10	

Spacing Orders: 665028

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201702722

Special Orders:

Total Depth: 15626

Ground Elevation: 1923

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-32572

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 03 Twp 18N Rge 15W County DEWEY

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 440

Depth of Deviation: 9892

Radius of Turn: 477

Direction: 360

Total Length: 4985

Measured Total Depth: 15626

True Vertical Depth: 11200

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

Notes:

Category	Description
DEEP SURFACE CASING	6/28/2017 - 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	6/28/2017 - 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 <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> 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	6/28/2017 - 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	6/28/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201702722	6/30/2017 - G64 - (I.O.) 3-18N-15W X665028 MSSP, HNTN COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC. 5-30-2017 (THOMAS)

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

SPACING - 665028

6/30/2017 - G64 - (640)(HOR) 3-18N-15W  
VAC 78076 CRLM, MSSLM, HNTN  
VAC 580184 WDFD  
EST MSSP, WDFD, HNTN  
COMPL. INT. (MSSP, HNTN) NCT 660' FB  
COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

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.



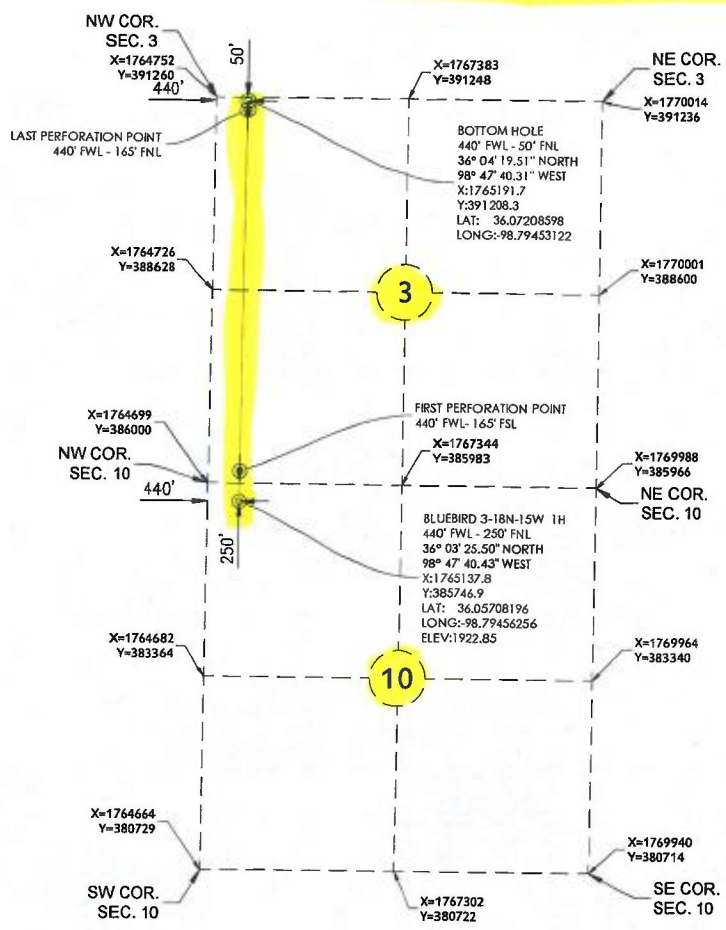
**OPERATOR:** DEVON ENERGY PRODUCTION COMPANY, L.P.  
**LEASE NAME:** BLUEBIRD 3-18N-15W  
**WELL NO.:** 1H  
**GOOD DRILL SITE:** YES  
**DEWEY COUNTY, STATE:** OK  
**GROUND ELEVATION:** 1922.85' GR. AT STAKE  
**SURFACE HOLE FOOTAGE:** 440' FWL - 250' FNL  
**SECTION:** 10 **TOWNSHIP:** 18N **RANGE:** 15W  
**BOTTOM HOLE:** 3-18N-R15W I.M.  
**ACCESSIBILITY TO LOCATION:** FROM WEST LINE  
**TOPOGRAPHY & VEGETATION:**  
 LOCATION FELL IN A FIELD

**DISTANCE & DIRECTION FROM HWY JCT OR TOWN:**  
 FROM THE TOWN OF SEILING HEAD SOUTH ON OK-3 9MI±  
 TO OK-51 HEAD EAST 1.5MI± TO TO INTER WITH 2360 RD.  
 SITE IS SE OF INTER.

PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT ACCURACY OF THIS EXHIBIT IS NOT GUARANTEED. PLEASE CONTACT CRAFTON TULL PROMPTLY IF ANY INCONSISTENCY IS DETERMINED. GPS DATA IS OBSERVED FROM RTK-GPS. NOTE X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. QUARTER SECTION DISTANCES MAY BE ASSUMED FROM A GOVERNMENT SURVEY PLAT OR ASSUMED AT A PROPORTIONATE DISTANCE FROM OPPOSING SECTION CORNERS, OR OCCUPATION THEREOF, AND MAY NOT HAVE BEEN MEASURED ON THE GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.



DEWEY COUNTY, OKLAHOMA  
 440' FWL - 250' FNL SECTION 10 TOWNSHIP 18N RANGE 15W I.M.



**SURFACE HOLE DATA**  
**STATE PLANE COORDINATES:**  
 ZONE: OK-NORTH NAD27  
 X: 1765137.8  
 Y: 385746.9  
**GPS DATUM:** NAD27  
 LAT: 36.05708196  
 LONG: -98.79456256

**STATE PLANE COORDINATES:**  
 ZONE: OK-NORTH NAD83  
 X: 1733534.5  
 Y: 385773.0  
**GPS DATUM:** NAD83  
 LAT: 36.05712356  
 LONG: -98.79493130

**BOTTOM HOLE DATA**  
**STATE PLANE COORDINATES:**  
 ZONE: OK-NORTH NAD27  
 X: 1765191.7  
 Y: 391208.3  
**GPS DATUM:** NAD27  
 LAT: 36.07208598  
 LONG: -98.79453122

**STATE PLANE COORDINATES:**  
 ZONE: OK-NORTH NAD83  
 X: 1733588.5  
 Y: 391234.4  
**GPS DATUM:** NAD83  
 LAT: 36.07212727  
 LONG: -98.79489990

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.



REVISION	"BLUEBIRD 3-18N-15W 1H"	
	PART OF THE NW/4 OF SECTION 10, T-18-N, R-15-W PROPOSED DRILL SITE DEWEY COUNTY, OKLAHOMA	
	SCALE: 1" = 2000'	SQ SHEET NO.: 1 OF 6
	PLOT DATE: 04-18-2017 DRAWN BY:	