

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

API NUMBER: 011 23842

Approval Date: 08/08/2017  
Expiration Date: 02/08/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 15N Rge: 10W County: BLAINE  
SPOT LOCATION:  NE  NE  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 260 235

Lease Name: **BIG EARL 6-15N-10W** Well No: **1H** Well will be **235** 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

REYBURN FAMILY REVOCABLE TRUST  
120 W. 5TH STREET  
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10725	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 664198

Location Exception Orders: 664844

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15970

Ground Elevation: 1525

**Surface Casing: 1999**

Depth to base of Treatable Water-Bearing FM: 80

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 17-32963

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 06 Twp 15N Rge 10W County BLAINE

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 10292

Radius of Turn: 477

Direction: 358

Total Length: 4929

Measured Total Depth: 15970

True Vertical Depth: 10814

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

Notes:

Category

Description

DEEP SURFACE CASING

7/26/2017 - G58 - 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

7/26/2017 - G58 - 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

7/26/2017 - G58 - 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

LOCATION EXCEPTION - 664844

8/8/2017 - G75 - (I.O.) 6-15N-10W  
X664198 MSSP, OTHERS  
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL  
DEVON ENERGY PROD. CO., L.P.  
6-14-2017

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.

011 23842 BIG EARL 6-15N-10W 1H

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
MEMO	7/26/2017 - G58 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 664198	8/8/2017 - G75 - (640)(HOR) 6-15N-10W EXT 640263 MSSP, OTHERS POE TO BHL NCT 660' FB

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.



300 Pointe Parkway Blvd  
 Yukon, OK 73099  
 405.787.6270 t 405.290.7701 f  
 www.craftontull.com  
**Crafton Tull**  
 SURVEYING CA973(PE/LS) Exp. 6/30/18

**OPERATOR:** DEVON ENERGY PRODUCTION COMPANY, L.P.  
**LEASE NAME:** BIG EARL 6-15N-10W  
**WELL NO.** 1H  
**GOOD DRILL SITE:** YES  
**BLAINE** COUNTY, STATE: OK  
**GROUND ELEVATION:** 1524.8' GR. AT STAKE  
**SURFACE HOLE FOOTAGE:** 235' FEL - 260' FNL  
**SECTION:** 7 TOWNSHIP: T15N RANGE: R10W  
**BOTTOM HOLE:** 6-T15N-R10W.I.M.  
**ACCESSIBILITY TO LOCATION:** FROM NORTH LINE  
**TOPOGRAPHY & VEGETATION:** \_\_\_\_\_  
**LOCATION FELL IN A FIELD**

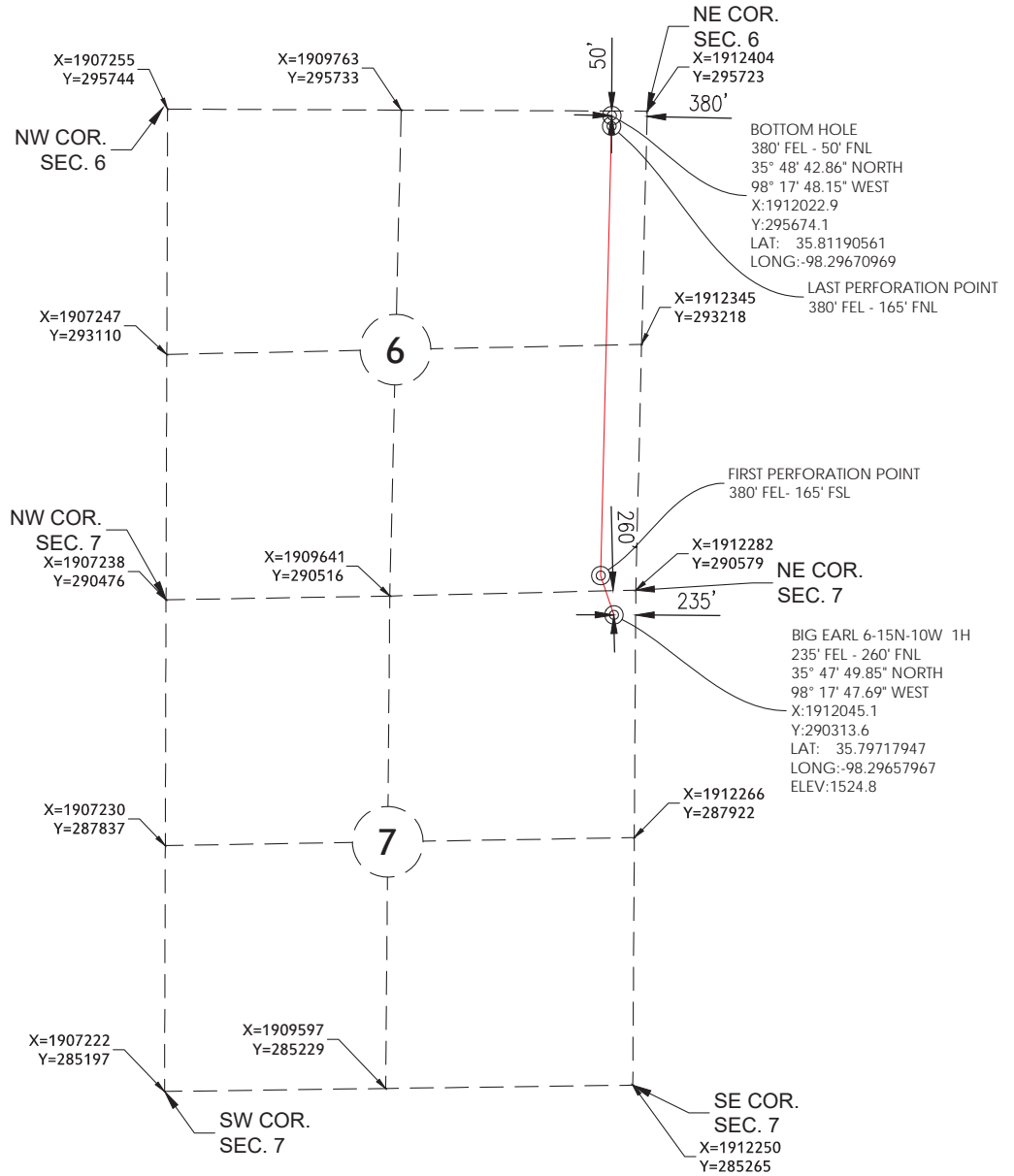
API 011-23842

**DISTANCE & DIRECTION FROM HWY JCT OR TOWN:** \_\_\_\_\_  
**AT THE JCT. OF US-270 & OK-3, EAST 4MI TO N2610 RD,**  
**SOUTH 3MI TO E840 RD, EAST 3 MI, SITE IS SOUTH OF THE**  
**DEAD END**

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.



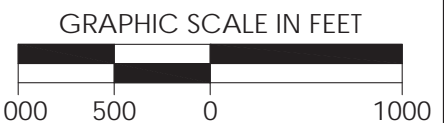
BLAINE COUNTY, OKLAHOMA  
 235' FEL - 260' FNL SECTION 7 TOWNSHIP 15N RANGE 10W I.M.



**SURFACE HOLE DATA**  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD27  
**X:** 1912045.1  
**Y:** 290313.6  
**GPS DATUM:** NAD27  
**LAT:** 35.79717947  
**LONG:** -98.29657967  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD83  
**X:** 1880445.2  
**Y:** 290337.5  
**GPS DATUM:** NAD83  
**LAT:** 35.79722300  
**LONG:** -98.29692367

**BOTTOM HOLE DATA**  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD27  
**X:** 1912022.9  
**Y:** 295674.1  
**GPS DATUM:** NAD27  
**LAT:** 35.8119056  
**LONG:** -98.29670969  
**STATE PLANE COORDINATES:**  
**ZONE:** OK-NORTH NAD83  
**X:** 1880422.9  
**Y:** 295698.0  
**GPS DATUM:** NAD83  
**LAT:** 35.81194882  
**LONG:** -98.29705420

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.



REVISION	"BIG EARL 6-15N-10W 1H"		
	PART OF THE NE/4 OF SECTION 7, T-15-N, R-10-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
	SCALE: 1" = 1000'	PLOT DATE: 02-21-2017	DRAWN BY: DW SHEET NO.: 1 OF 6