

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

API NUMBER: 011 23935

Approval Date: 02/05/2018

Expiration Date: 08/05/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 16N Rge: 12W

County: BLAINE

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 280 1145

Lease Name: CHIPMUNK 11\_2-16N-12W

Well No: 4HX

Well will be 280 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

LARRY BODEN & MONA LOU BODEN  
259073 E. 800 RD.  
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	10383	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 671021  
662140

Location Exception Orders: 670430

Increased Density Orders: 669015  
668143

Pending CD Numbers:

Special Orders:

Total Depth: 20389

Ground Elevation: 1529

**Surface Casing: 1999**

Depth to base of Treatable Water-Bearing FM: 240

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: 18-33813

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 02 Twp 16N Rge 12W County BLAINE

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 945

Depth of Deviation: 9496

Radius of Turn: 477

Direction: 1

Total Length: 10144

Measured Total Depth: 20389

True Vertical Depth: 10568

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

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

1/29/2018 - G71 - 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

1/29/2018 - 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)

INCREASED DENSITY - 668143

2/1/2018 - G75 - 2-16N-12W  
X662140 MSSP  
4 WELLS  
DEVON ENERGY PROD. CO., L.P.  
9-13-2017

INCREASED DENSITY - 669015

2/1/2018 - G75 - 11-16N-12W  
X662140 MSSP, OTHER  
4 WELLS  
DEVON ENERGY PROD. CO., L.P.  
10-12-2017

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.

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.

011 23935 CHIPMUNK 11\_2-16N-12W 4HX

Category	Description
INTERMEDIATE CASING	1/29/2018 - 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
LOCATION EXCEPTION - 670430	2/1/2018 - G75 - (I.O.) 11 & 2-16N-12W X662140 MSSP, OTHER SHL (11-16N-12W) 280' FSL, 1160' FEL ** COMPL. INT. (11-16N-12W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (2-16N-12W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL DEVON ENERGY PROD. CO., L.P. 11-27-2017  ** ITD HAS SHL AS 1145' FEL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
MEMO	1/29/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 662140	2/1/2018 - G75 - (640)(HOR) 11 & 2-16N-12W EST OTHERS EXT 656735 MSSP, OTHERS COMPL. INT. NLT 660' FB (COEXIST SP. ORDER # 563506 CSTR & ORDER # 587524 MSSLM 11-16N-12W)
SPACING - 671021	2/1/2018 - G75 - (I.O.) 11 & 2-16N-12W EST MULTIUNIT HORIZONTAL WELL X662140 MSSP, OTHER 50% 11-16N-12W 50% 2-16N-12W DEVON ENERGY PROD. CO., L.P. 12-11-2017

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OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.  
LEASE NAME: CHIPMUNK 11\_2-16N-12W  
WELL NO: 4HX  
GOOD DRILL SITE: YES  
BLAINE COUNTY, STATE: OK  
GROUND ELEVATION: 1529.05 GR. AT STAKE  
SURFACE HOLE FOOTAGE: 1145' FEL - 280' FSL  
SECTION: 11 TOWNSHIP: T16N RANGE: R12W  
BOTTOM HOLE: 2-T16N-R12W-I.M.  
DISTANCE TO NEAREST WELL: 3605'  
CHIPMUNK 11\_2-16N-12W 1HX API# 3501123830

ACCESSIBILITY TO LOCATION: FROM SOUTH LINE  
TOPOGRAPHY & VEGETATION: LOCATION FELL IN THE CORNER OF A FIELD

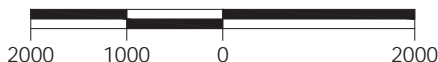
DISTANCE & DIRECTION FROM HWY JCT OR TOWN: 3MI NW OF WATONGA  
AT THE JCT. OF OK-51A AND OK-8, HEAD WEST ON OK-51A 1MI±, CONTINUE  
NORTH ALONG OK-51A 1MI±, WEST ALONG OK-51A 0.25MI±, SITE IS NORTH OF ROAD

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.

#### GRAPHIC SCALE IN FEET



#### SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1869397.7

Y: 317353.1

GPS DATUM: NAD27

LAT: 35.87101737

LONG: -98.44079705

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1837796.6

Y: 317377.5

GPS DATUM: NAD83

LAT: 35.87106013

LONG: -98.44114900

#### BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1869555.7

Y: 327377.8

GPS DATUM: NAD27

LAT: 35.89855895

LONG: -98.44041726

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1837954.4

Y: 327402.2

GPS DATUM: NAD83

LAT: 35.89860098

LONG: -98.44076983

#### FIRST PERFORATION DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1870162.6

Y: 317233.5

GPS DATUM: NAD27

LAT: 35.87069817

LONG: -98.43821347

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1838561.5

Y: 317257.9

GPS DATUM: NAD83

LAT: 35.87074092

LONG: -98.43856530

#### BOTTOM HOLE INFORMATION

PROVIDED BY OPERATOR LISTED.

#### BASIS OF ELEVATION:

TOPO ELEVATION = 1507.13'

AT W/4, SECTION 11, T16N-R12W

TOPO ELEVATION = 1501.21'

AT SW COR, SECTION 11, T16N-R12W

TOPO ELEVATION = 1511.92'

AT S/4, SECTION 11, T16N-R12W

#### CERTIFICATION:

THIS IS TO CERTIFY THAT THIS WELL LOCATION EXHIBIT WAS  
COMPILED AND PREPARED UNDER MY SUPERVISION.

Date: 2017.07.25 07:41:34-0500'

*Denver Winchester*  
DENVER WINCHESTER PLS 1952



## CHIPMUNK 11\_2-16N-12W 4HX

REVISION DATE:

-	-

PART OF THE SE/4 OF  
SECTION 11, T16N, R12W  
WELL LOCATION EXHIBIT  
BLAINE COUNTY, OKLAHOMA

SCALE: 1" = 2000'

PLOT DATE: 07-24-2017

DRAWING:

DRAWN BY:

16601747-WELL

SQ

SHEET NO.: 1 OF 2

300 Pointe Parkway Blvd  
Yukon, OK 73099

405.787.6270 t 405.787.6276 f

www.craftontull.com



**Crafton Tull**  
SURVEYING

CERTIFICATE OF AUTHORIZATION:  
CA 973 (PE/LS) EXPIRES 6/30/2018