

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

API NUMBER: 011 23766

Approval Date: 03/22/2017

Expiration Date: 09/22/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 15N Rge: 11W County: BLAINE
SPOT LOCATION: NW NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 190 234

Lease Name: PIERCE 7_6-15N-11W Well No: 1HX Well will be 190 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

JP IRREVOCABLE TRUST
P.O. BOX 754
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	11342	6	
2 WOODFORD	12097	7	
3		8	
4		9	
5		10	

Spacing Orders: 585335
586616

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201701062
201701063
201701064
201701065

Special Orders:

Total Depth: 22632

Ground Elevation: 1483

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 40

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: 17-32121

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 06 Twp 15N Rge 11W 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: 350

Depth of Deviation: 11660

Radius of Turn: 477

Direction: 1

Total Length: 10223

Measured Total Depth: 22632

True Vertical Depth: 12137

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

Notes:

Category

Description

DEEP SURFACE CASING

2/21/2017 - 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

2/21/2017 - 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 [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

2/21/2017 - 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

2/21/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201701062

2/22/2017 - G75 - 7-15N-11W
X585335 WDFD
1 WELL
DEVON ENERGY PROD. CO., L.P.
REC 3-20-2017 (NORRIS)

PENDING CD - 201701063

2/22/2017 - G75 - 6-15N-11W
X586616 WDFD
1 WELL
DEVON ENERGY PROD. CO., L.P.
REC 3-20-2017 (NORRIS)

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
PENDING CD - 201701064	2/22/2017 - G75 - (I.O.) 6 & 7-15N-11W EST MULTIUNIT HORIZONTAL WELL X586616 MSSLM, WDFD, OTHER 6-15N-11W X585335 MSSLM, WDFD, OTHER 7-15N-11W (MSSLM ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 50% 7-15N-11W 50% 6-15N-11W DEVON ENERGY PROD. CO., L.P. REC 3-20-2017 (NORRIS)
PENDING CD - 201701065	2/22/2017 - G75 - (I.O.) 6 & 7-15N-11W X586616 MSSLM, WDFD, OTHER 6-15N-11W X585335 MSSLM, WDFD, OTHER 7-15N-11W COMPL. INT. (7-15N-11W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (6-15N-11W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL DEVON ENERGY PROD. CO., L.P. REC 3-20-2017 (NORRIS)
SPACING - 585335	2/22/2017 - G75 - (640) 7-15N-11W EST OTHERS EXT OTHERS EXT 581169 MSSLM, WDFD, OTHER
SPACING - 586616	2/22/2017 - G75 - (640) 6-15N-11W VAC OTHERS EST MSSLM, WDFD, OTHERS

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Office of the Conservation Division as to when Surface Casing will be run.



OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.
 LEASE NAME: PIERCE 7_6-15N-11W
 WELL NO. 1HX
 GOOD DRILL SITE: YES
 BLAINE COUNTY, STATE: OK
 GROUND ELEVATION: 1482.75' GR. AT STAKE
 SURFACE HOLE FOOTAGE: 190' FNL - 234' FWL
 SECTION: 18 TOWNSHIP: T15N RANGE: R11W
 BOTTOM HOLE: 6-T15N-R11W.I.M.

API 011-23766

ACCESSIBILITY TO LOCATION: FROM WEST LINE

TOPOGRAPHY & VEGETATION: LOCATION FELL IN THE CORNER OF A CULTIVATED FIELD.

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
 AT THE JCT. OF US-270 AND OK-3, HEAD SOUTH ON US-270 3MI± TO N2570 RD,
 SOUTH 1.5MI± TO E0850RD, SITE IS SOUTHEAST OF THE 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.

SURFACE HOLE DATA

STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD27
 X: 1875963
 Y: 285174

GPS DATUM: NAD27
 LAT: 35.78269722
 LONG: -98.41817103

STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD83
 X: 1844362
 Y: 285199

GPS DATUM: NAD83
 LAT: 35.78274216
 LONG: -98.41851999

BOTTOM HOLE DATA

STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD27
 X: 1876144
 Y: 295873

GPS DATUM: NAD27
 LAT: 35.81208819
 LONG: -98.41771580

STATE PLANE COORDINATES:
 ZONE: OK-NORTH NAD83
 X: 1844543
 Y: 295897

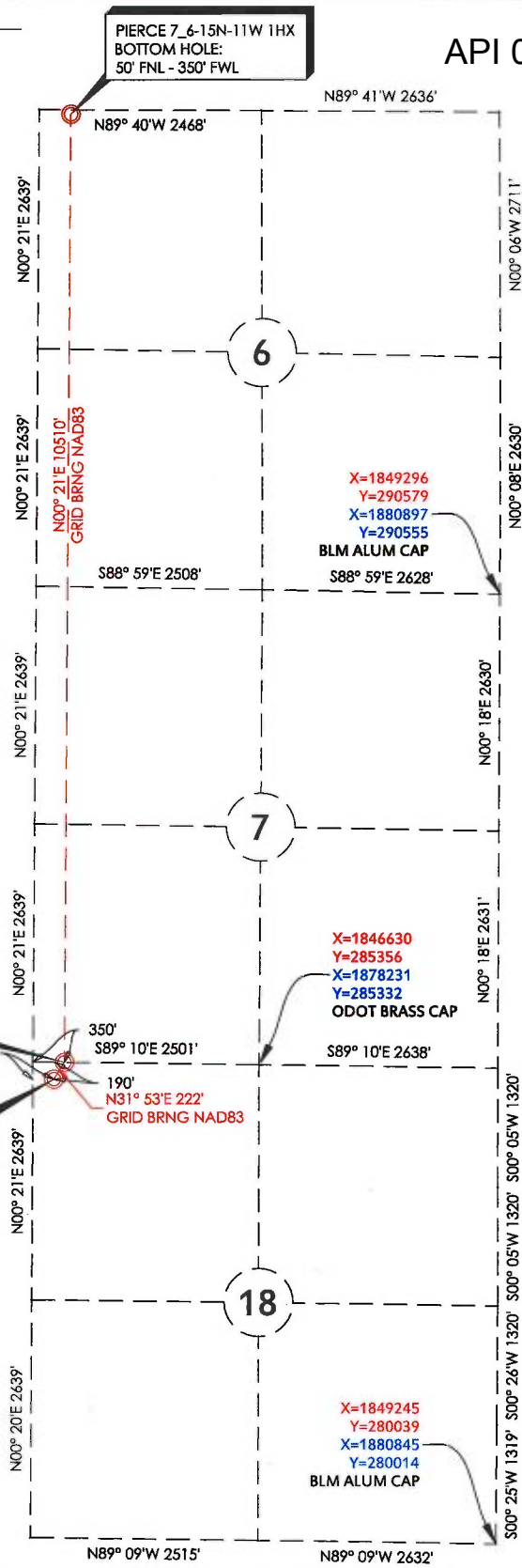
GPS DATUM: NAD83
 LAT: 35.8123234
 LONG: -98.41806542

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.

BASIS OF ELEVATION:
 TOPO ELEVATION = 1472.1'
 AT SE COR, SECTION 18, T15N-R11W
 TOPO ELEVATION = 1472.2'
 AT N/4 COR, SECTION 18, T15N-R11W
 TOPO ELEVATION = 1465.3'
 AT SE COR, SECTION 6, T15N-R11W

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

[Signature] 9/13/16
 DENVER WINCHESTER PLS 1952



PIERCE 7_6-15N-11W 1HX

REVISION DATE: -
 PART OF THE NW/4 OF SECTION 18, T15N, R11W
 WELL LOCATION EXHIBIT
 BLAINE COUNTY, OKLAHOMA

214 East Main
 Oklahoma City, OK 73104
 405.787.6270 f 405.787.6276 f
 www.craftontull.com

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

SCALE: 1" = 2000' DRAWING: 16601723-WELL SHEET NO.: 1 OF 2
 PLOT DATE: 09-13-2016 DRAWN BY: DW