

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

API NUMBER: 011 23886

Approval Date: 11/27/2017

Expiration Date: 05/27/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 15N Rge: 13W County: BLAINE

SPOT LOCATION: ☐ SW ☐ NW ☐ NW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2110 271

Lease Name: BRENTS BICEP 7_18-15N-13W

Well No: 1HX

Well will be 271 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

HOLLY DOAK
P.O. BOX 183
HAILEYVILLE OK 74546

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11942	6	
2	WOODFORD	12748	7	
3			8	
4			9	
5			10	

Spacing Orders: 668554

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706968
201706969
201706967
201706966
201707735

Special Orders:

Total Depth: 19190

Ground Elevation: 1651

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 140

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: 17-33304

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 18 Twp 15N Rge 13W County BLAINE

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 11591

Radius of Turn: 477

Direction: 179

Total Length: 6850

Measured Total Depth: 19190

True Vertical Depth: 12748

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

Additional Surface Owner	Address	City, State, Zip
RAVEN RIDGE RANCH LLC	P.O. BOX 1477	CLINTON, OK 73601
KENT DOUGLAS DOBBINS	1513 D STREET	BLACKWELL, OK 74631
JEREMY DOAK	14720 E. VALLEY VIEW DR.	PIEDMONT, SD 57769

Notes:

Category

Description

DEEP SURFACE CASING

10/18/2017 - G57 - 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

10/18/2017 - G57 - 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: OCCWEB.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

INTERMEDIATE CASING

10/18/2017 - G57 - 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

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 23886 BRENTS BICEP 7_18-15N-13W
1HX

Category	Description
MEMO	10/18/2017 - G57 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201706966	11/15/2017 - G75 - (640)(HOR) 18-15N-13W EXT 668554 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 11-7-2017 (DUNN)
PENDING CD - 201706967	11/15/2017 - G75 - (I.O.) 7-15N-13W X668554 MSSP, WDFD 1 WELL DEVON ENERGY PROD. CO., L.P. REC 11-7-2017 (DUNN)
PENDING CD - 201706968	11/15/2017 - G75 - (I.O.) 7 & 18-15N-13W EST MULTIUNIT HORIZONTAL WELL X668554 MSSP, WDFD 7-15N-13W X201706966 MSSP, WDFD 18-15N-13W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 33% 7-15N-13W 67% 18-15N-13W DEVON ENERGY PROD. CO., L.P. REC 11-7-2017 (DUNN)
PENDING CD - 201706969	11/15/2017 - G75 - (I.O.) 7 & 18-15N-13W X668554 MSSP, WDFD 7-15N-13W X201706966 MSSP, WDFD 18-15N-13W COMPL. INT. (7-15N-13W) NCT 2110' FSL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (18-15N-13W) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL DEVON ENERGY PROD. CO., L.P. REC 11-7-2017 (DUNN)
PENDING CD - 201707735	11/27/2017 - G75 - (I.O.) 7-15N-13W X165:10-3-28(C)(2)(B) MSSP, WDFD (BRENTS BICEP 7_18-15N-13W 1HX) MAY BE CLOSER THAN 600' TO TIGER SWALLOWTAIL 7_6-15N-13W 1HX DEVON ENERGY PROD. CO., L.P. HEARING 12-12-2017 (OK'D PER MCCOY)
SPACING - 668554	11/15/2017 - G75 - (640)(HOR) 7-15N-13W EST MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: BRENTS BICEP 7_18-15N-13W

WELL NO. 1HX

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1650.77' GR. AT STAKE

SURFACE HOLE FOOTAGE: 271' FWL - 2110' FSL

SECTION: 7 TOWNSHIP: T15N RANGE: R13W

BOTTOM HOLE: 18-T15N-R13W 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 WATONGA HEAD WEST ON OK-33 12MI±
TO N2450RD, HEAD SOUTH 2.3MI±. PAD SITE IS LOCATED E
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.

API 011-23886



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1812912.9

Y: 287864.7

GPS DATUM: NAD27

LAT: 35.78915106

LONG: -98.63078809

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1781311.3

Y: 287889.9

GPS DATUM: NAD83

LAT: 35.78919773

LONG: -98.63114604

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1812912.9

Y: 287864.7

GPS DATUM: NAD27

LAT: 35.78915106

LONG: -98.63078809

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1781356.8

Y: 280562.7

GPS DATUM: NAD83

LAT: 35.76906987

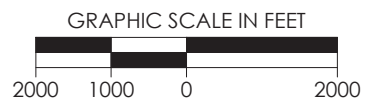
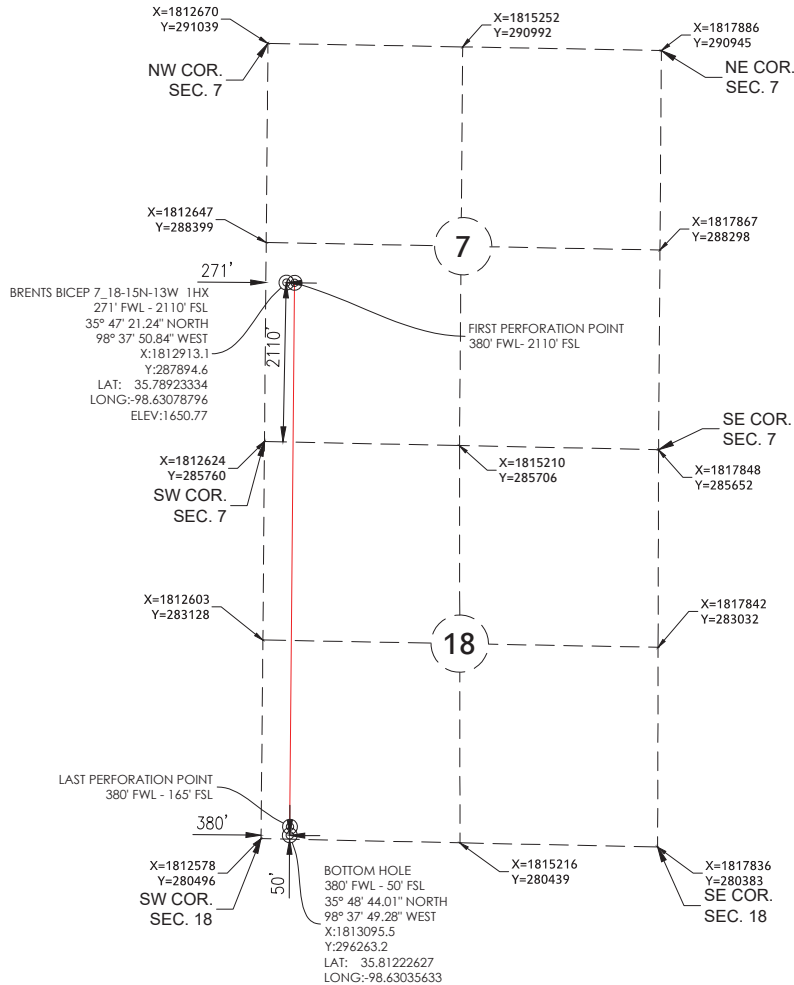
LONG: -98.63083215


BOTTOM HOLE
INFORMATION PROVIDED
BY OPERATOR LISTED.

Date: 2017.09.28 11:58:07-05'00'



BLAINE COUNTY, OKLAHOMA
271' FWL - 2110' FSL SECTION 7 TOWNSHIP 15N RANGE 13W I.M.



REVISION		"BRENTS BICEP 7_18-15N-13W 1HX"		
		PART OF THE SW/4 OF SECTION 7, T-15-N, R-13-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
		SCALE: 1" = 2000'		
		PLOT DATE: 09-28-2017	DRAWN BY:	SQ SHEET NO.: 1 OF 6