

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

API NUMBER: 011 24090

Approval Date: 09/24/2018

Expiration Date: 03/24/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 16N Rge: 10W

County: BLAINE

SPOT LOCATION: ☐ NW ☐ NW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 1000 1140

Lease Name: BORNBOOMER 31_30-16N-9W

Well No: 3HX

Well will be 1000 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 73102-5015

COMMISSIONERS OF THE LAND OFFICE
204 N. ROBINSON, SUITE 900
OKLAHOMA CITY OK 73102

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	9333	6	
2	MISSISSIPPIAN	9763	7	
3	WOODFORD	10278	8	
4			9	
5			10	

Spacing Orders: 637157
644192

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806277
201806278
201806279
201806280

Special Orders:

Total Depth: 19197

Ground Elevation: 1239

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 40

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

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

PERMIT NO: 18-35137

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

HORIZONTAL HOLE 1

Sec 30 Twp 16N Rge 9W County KINGFISHER

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 9306

Radius of Turn: 477

Direction: 9

Total Length: 9142

Measured Total Depth: 19197

True Vertical Depth: 10278

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

Notes:

Category

Description

DEEP SURFACE CASING

8/13/2018 - 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

8/13/2018 - 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; 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

8/13/2018 - 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

MEMO

8/13/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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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.

011 24090 BORNBOOMER 31_30-16N-9W
3HX

Category	Description
PENDING CD - 201806277	8/27/2018 - G75 - 30-16N-9W X637157 MSSP 1 WELL DEVON ENERGY PROD. CO., L.P. REC 8-28-2018 (DENTON)
PENDING CD - 201806278	8/27/2018 - G75 - 31-16N-9W X644192 MSNLC 1 WELL DEVON ENERGY PROD. CO., L.P. REC 8-28-2018 (DENTON)
PENDING CD - 201806279	8/27/2018 - G75 - (I.O.) 31 & 30-16N-9W EST MULTIUNIT HORIZONTAL WELL X644192 MSNLC, WDFD 31-16N-9W X637157 MSSP, WDFD 30-16N-9W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSNLC, MSSP) 50% 31-16N-9W 50% 30-16N-9W DEVON ENERGY PROD. CO., L.P. REC 8-28-2018 (DENTON)
PENDING CD - 201806280	8/27/2018 - G75 - (I.O.) 31 & 30-16N-9W X644192 MSNLC, WDFD 31-16N-9W X637157 MSSP, WDFD 30-16N-9W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO ROBERT MOORE 1 (API 073-23830) ** COMPL. INT. (31-16N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (30-16N-9W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL DEVON ENERGY PROD. CO., L.P. REC 8-28-2018 (DENTON)
SPACING - 637157	** S/B ROBERT MOORE 1A (API 073-24176); TO BE CORRECTED AT HEARING PER ATTORNEY FOR OPERATOR 8/27/2018 - G75 - (640)(HOR) 30-16N-9W VAC 245726/245954 CSTRU, MNNG SE4 ** VAC 168134/169097 MSSSD, OTHER SE4 EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 245726/245954 CSTRU, MNNG W2 & NE4; ORDER # 168134/169097 MSSSD W2 & NE4) ++ ** S/B VAC 245726/245964 CSTRU, MNNG SE4; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY WHO AUTHORED ORIGINAL ORDER AND A COPY REVIEWED BY OCC ++ S/B COEXIST SP. ORDER # 245726/245964 CSTRU, MNNG W2 & NE4; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY WHO AUTHORED ORIGINAL ORDER AND A COPY REVIEWED BY OCC
SPACING - 644192	8/27/2018 - G75 - (640)(HOR) 31-16N-9W VAC 168134/169097 MSSSD NW4, S2 VAC OTHER ** EST MSNLC, WDFD, OTHER POE TO BHL (MSNLC) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 168134/169097 MSSSD NE4) ** SHOULD INCLUDE VAC 245726/245964 MNNG N2; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY WHO AUTHORED ORIGINAL ORDER AND A COPY REVIEWED BY OCC

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.

OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: BORN BOOMER 31_30-16N-9W

WELL NO. 3HX

GOOD DRILL SITE: YES

BLAINE COUNTY, STATE: OK

GROUND ELEVATION: 1239.29' GR. AT STAKE

SURFACE HOLE FOOTAGE: 1140' FEL - 1000' FSL

SECTION: 36 TOWNSHIP: T16N RANGE: R10W

BOTTOM HOLE: 30-T16N-R9W, I.M.

ACCESSIBILITY TO LOCATION: FROM EAST LINE

TOPOGRAPHY & VEGETATION:

LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
AT THE JCT. OF HWY 281 & HWY 3 GO EAST ON HWY 33,
12 MILES, SOUTH 1.7 MILES ON N2690 RD TO LEASE RD.

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 011-24090

BLAINE COUNTY, OKLAHOMA

1140' FEL - 1000' FSL SECTION 36 TOWNSHIP 16N RANGE 10W I.M.



SURFACE HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1937603.3

Y: 296652.3

GPS DATUM: NAD27

LAT: 35.81477634

LONG: -98.21044526

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1906003.7

Y: 296675.9

GPS DATUM: NAD83

LAT: 35.81481920

LONG: -98.21078623

BOTTOM HOLE DATA

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD27

X: 1939145.4

Y: 306147.3

GPS DATUM: NAD27

LAT: 35.84087026

LONG: -98.20531209

STATE PLANE COORDINATES:

ZONE: OK-NORTH NAD83

X: 1907545.7

Y: 306170.9

GPS DATUM: NAD83

LAT: 35.84091250

LONG: -98.20565348

BOTTOM HOLE

INFORMATION PROVIDED

BY OPERATOR LISTED.

2018.08.02 08:51:44-05'00'

