

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

API NUMBER: 011 24186

Approval Date: 02/28/2019
Expiration Date: 08/28/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 15N Rge: 10W County: BLAINE
SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 320 1540

Lease Name: PICKAROON 11_2-15N-10W Well No: 2HX Well will be 320 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

CHARLES R. RANDALL AND LINDA DICH RANDALL
543 E. 790 RD.
OMEGA OK 73764

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9350	6	
2 MISSISSIPPI SOLID	10165	7	
3 WOODFORD	10795	8	
4		9	
5		10	

Spacing Orders: 589546
640112
176175

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900279
201900280
201900278
201900277

Special Orders:

Total Depth: 20259 Ground Elevation: 1311 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

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36197
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 02 Twp 15N Rge 10W 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: 380

Depth of Deviation: 9822

Radius of Turn: 477

Direction: 354

Total Length: 9687

Measured Total Depth: 20259

True Vertical Depth: 10795

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

Notes:

Category

Description

DEEP SURFACE CASING

1/31/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

1/31/2019 - 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

1/31/2019 - 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

1/31/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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 - 201900277	2/27/2019 - G58 - 2-15N-10W X589546 MSSP 3 WELLS NO OP. NAMED REC 2/5/2019
PENDING CD - 201900278	2/27/2019 - G58 - 11-15N-10W X176175 MSSSD 3 WELLS NO OP. NAMED REC 2/5/2019 (M. PORTER)
PENDING CD - 201900279	2/27/2019 - G58 - (I.O.) 2 & 11-15N-10W EST MULTIUNIT HORIZONTAL WELL X589546 MSSP, WDFD X176175 MSSSD X640112 WDFD (WDFD IS ADJACENT CSS TO MSSP & MSSSD) 50% 2-15N-10W 50% 11-15N-10W NO OP. NAMED REC 2/5/2019 (M. PORTER)
PENDING CD - 201900280	2/27/2019 - G58 - (I.O.) 2 & 11-15N-10W X589546 MSSP, WDFD X176175 MSSSD X640112 WDFD COMPL. INT. 11-15N-10W NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. 2-15N-10W NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 2/5/2019 (M. PORTER)
SPACING - 176175	2/27/2019 - G58 - (640) 2 & 11-15N-10W EST OTHERS EXT OTHERS EXT 125914/171385 MNNG EXT 139333 MSSSD
SPACING - 589546	2/27/2019 - G58 - (640) 2-15N-10W VAC 282021 CSTRU, MNNG, MSSSD EXT 587191 MSSP EXT 586086 WDFD
SPACING - 640112	2/27/2019 - G58 - (640)(HOR) 11-15N-10W EST WDFD POE TO BHL NCT 165' FNL OR FSL, NCT 330' FEL OR FWL

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.



300 Pointe Parkway Blvd.
Yukon, OK 73099
405.787.6270 f 405.787.6276 f
www.craftontull.com

Crafton Tull
SURVEYING C-9779(PLS) Exp. 4/30/26

011-24186



OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: PICKAROON 11_2 15N-10W
WELL NO. 2HX
GOOD DRILL SITE: YES
BLAINE COUNTY, STATE: OK
GROUND ELEVATION: 1311.63' GR. AT STAKE
SURFACE HOLE FOOTAGE: 1540' FWL - 320' FSL
SECTION: 11 TOWNSHIP: T15N RANGE: R10W
BOTTOM HOLE: 2-T15N-R10W-I.M.
ACCESSIBILITY TO LOCATION: FROM EAST LINE
TOPOGRAPHY & VEGETATION:
LOCATION FELL IN A FIELD

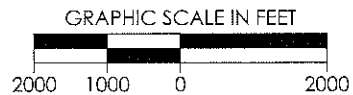
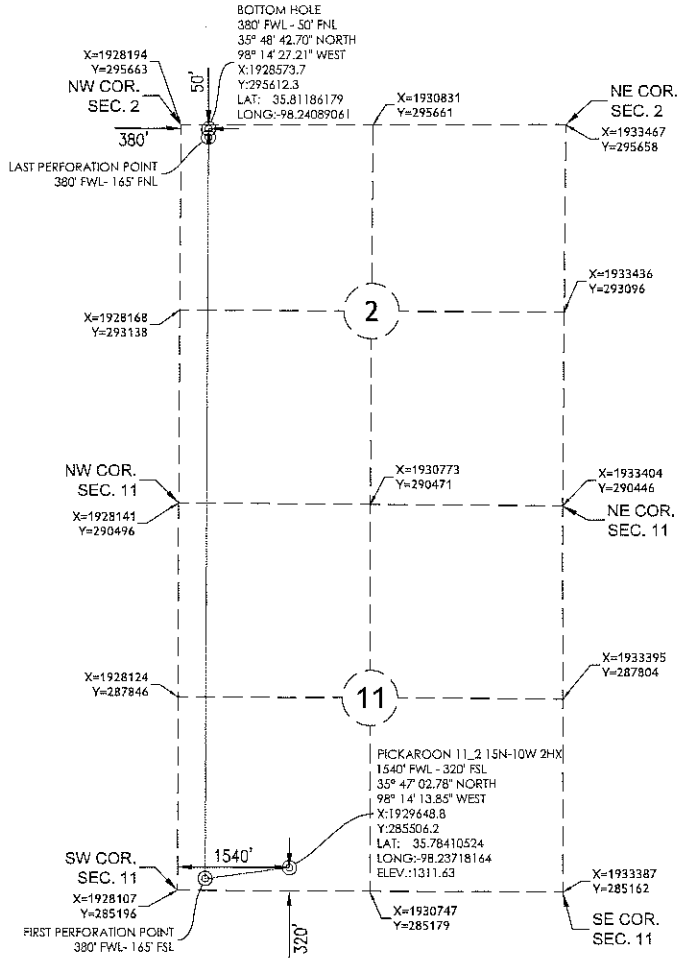
DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
AT THE JCT. OF HWY 3 & HWY 8 IN WATONGA, GO
E 11 MILES TO N2680 RD. GO S. 4 MILES TO E0850 RD. GO
W 3000 FT. PAD IS ON N SIDE OF RD.

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.

BLAINE COUNTY, OKLAHOMA
1540' FWL - 320' FSL SECTION 11 TOWNSHIP 15N RANGE 10W I.M.

SURFACE HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1925648.8
Y: 285506.2
GPS DATUM: NAD27
LAT: 35.78410524
LONG: -98.23718164
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1898049.2
Y: 285529.8
GPS DATUM: NAD83
LAT: 35.75414888
LONG: -98.23752315

BOTTOM HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1928573.7
Y: 295612.3
GPS DATUM: NAD27
LAT: 35.81186179
LONG: -98.24089061
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1894974.0
Y: 295636.0
GPS DATUM: NAD83
LAT: 35.81190475
LONG: -98.24123280
BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED.



REVISION	"PICKAROON 11_2 15N-10W 2HX"		
	PART OF THE SW/4 OF SECTION 11, T-15-N, R-10-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
	SCALE: 1" = 2000'	PLOT DATE: 01-22-2019	DRAWN BY: JJ SHEET NO.: 1 OF 6