

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

API NUMBER: 011 24166

Approval Date: 01/29/2019

Expiration Date: 07/29/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 15N Rge: 10W

County: BLAINE

SPOT LOCATION: ☐ NE ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 370 1750

Lease Name: MINNIE HAHA 12_1-15N-10W

Well No: 3HX

Well will be 370 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

ROBERT & KIM MCGRUDER, CO-TRUSTEES
P.O. BOX 704
MILTON FL 32572

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9201	6	
2	WOODFORD	10626	7	
3			8	
4			9	
5			10	

Spacing Orders: 594508
587191
586086

Location Exception Orders:

Increased Density Orders: 689878
689879

Pending CD Numbers: 201809638
201809639

Special Orders:

Total Depth: 20287

Ground Elevation: 1276

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 60

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: 18-35994

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 01 Twp 15N Rge 10W County BLAINE

Spot Location of End Point: NW NE NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2260

Depth of Deviation: 9075

Radius of Turn: 573

Direction: 5

Total Length: 10312

Measured Total Depth: 20287

True Vertical Depth: 10626

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

Notes:

Category

Description

DEEP SURFACE CASING

12/21/2018 - 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

12/21/2018 - 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

INCREASED DENSITY - 689878

1/29/2019 - G75 - 12-15N-10W
X594508 MSSP
3 WELLS
NO OP. NAMED
1-16-2019

INCREASED DENSITY - 689879

1/29/2019 - G75 - 1-15N-10W
X587191 MSSP
3 WELLS
NO OP. NAMED
1-16-2019

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 24166 MINNIE HAHA 12_1-15N-10W 3HX

Category	Description
INTERMEDIATE CASING	12/21/2018 - 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	12/21/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201809638	1/29/2019 - G75 - (I.O.) 12 & 1-15N-10W EST MULTIUNIT HORIZONTAL WELL X594508 MSSP, WDFD 12-15N-10W X587191 MSSP 1-15N-10W X586086 WDFD 1-15N-10W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 12-15N-10W 50% 1-15N-10W DEVON ENERGY PROD. CO., L.P. REC 12-10-2018 (M. PORTER)
PENDING CD - 201809639	1/29/2019 - G75 - (I.O.) 12 & 1-15N-10W X594508 MSSP, WDFD 12-15N-10W X587191 MSSP 1-15N-10W X586086 WDFD 1-15N-10W COMPL. INT. (12-15N-10W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (1-15N-10W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL DEVON ENERGY PROD. CO., L.P. REC 12-10-2018 (M. PORTER)
SPACING - 586086	1/29/2019 - G75 - (640) 1-15N-10W EST WDFD
SPACING - 587191	1/29/2019 - G75 - (640) 1-15N-10W VAC 176175 MNNG, MSSSD VAC 400763 CSTR EST MSSP
SPACING - 594508	1/29/2019 - G75 - (640) 12-15N-10W VAC 169866 CSTR VAC 176175 MNNG, MSSSD EST OTHERS EXT 587191 MSSP EXT 588547 WDFD

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.

