

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

API NUMBER: 011 23994

Approval Date: 04/17/2018

Expiration Date: 10/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 15N Rge: 12W

County: BLAINE

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 200 380

Lease Name: SWEETGUM 24\_13-15N-12W

Well No: 1HX

Well will be 200 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

LOIS & SHARON LOOKABAUGH, TRUSTEES  
P.O. BOX 400  
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10769	6	
2	MISSISSIPPI LIME	11729	7	
3	WOODFORD	12564	8	
4			9	
5			10	

Spacing Orders: 581169  
580850

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800956  
201800954  
201800955  
201800957

Special Orders:

Total Depth: 21965

Ground Elevation: 1579

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: No

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: DOG CREEK

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

PERMIT NO: 17-33638

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: DOG CREEK

## HORIZONTAL HOLE 1

Sec 13 Twp 15N Rge 12W County BLAINE

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 11000

Radius of Turn: 420

Direction: 360

Total Length: 10340

Measured Total Depth: 21965

True Vertical Depth: 12564

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

3/13/2018 - 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

3/13/2018 - 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](http://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](http://FRACFOCUS.ORG)

#### INTERMEDIATE CASING

3/13/2018 - 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

3/13/2018 - 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.

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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 23994 SWEETGUM 24\_13-15N-12W 1HX

Category	Description
PENDING CD - 201800954	4/16/2018 - G58 - 13-15N-12W X581169 MSSP**, WDFD 1 WELL NO OP. NAMED REC 2/27/2018 (DENTON)  **S/B MSSLM; TO BE CORRECTED ON INTERIM ORDER PER ATTORNEY FOR OP.
PENDING CD - 201800955	4/16/2018 - G58 - 24-15N-12W X580850 MSSP, WDFD 1 WELL NO OP. NAMED REC 2/27/2018 (DENTON)
PENDING CD - 201800956	4/16/2018 - G58 - (I.O.) 13 & 24-15N-12W EST MULTIUNIT HORIZONTAL WELL X581169 MSSP**, WDFD (13-15N-12W) X580850 MSSP, WDFD (24-15N-12W) (MSSP IS ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 13-15N-12W 50% 24-15N-12W NO OP. NAMED REC 2/27/2018 (DENTON)  ** S/B MSSLM; WILL BE CHANGED FOR INTERIM ORDER PER ATTORNEY FOR OP.
PENDING CD - 201800957	4/16/2018 - G58 - (I.O.) 13 & 24-15N-12W X581169 MSSP**, WDFD (13-15N-12W) X580850 MSSP, WDFD (24-15N-12W) COMPL. INT. (13-15N-12W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (24-15N-12W) NCT 0' FNL, NCT 150' FSL, NCT 330' FWL NO OP. NAMED REC 2/27/2018 (DENTON)  **S/B MSSLM; TO BE CORRECTED FOR INTERIM ORDER PER ATTORNEY FOR OP.
SPACING - 580850	4/16/2018 - G58 - (640) 24-15N-12W EXT 574743 MSSP, WDFD, OTHERS
SPACING - 581169	4/16/2018 - G58 - (640) 13-15N-12W EXT WDFD, OTHERS EST MSSLM

