

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

API NUMBER: 011 24164

Approval Date: 01/23/2019

Expiration Date: 07/23/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 15N Rge: 10W County: BLAINE

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 265 1385

Lease Name: FLEENOR 8_5-15N-10W

Well No: 2HX

Well will be 265 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

DENNIS E. & VIRGINIA LEE EDSALL
ROUTE 2 BOX 86
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9850	6	
2	MISSISSIPPIAN (LESS CHESTER)	10800	7	
3	WOODFORD	11370	8	
4			9	
5			10	

Spacing Orders: 660343
643729

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201810248
201810247
201810246
201810245
201604327

Special Orders:

Total Depth: 20953

Ground Elevation: 1527

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 90

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: 18-35581

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 05 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: 10342

Radius of Turn: 477

Direction: 11

Total Length: 9861

Measured Total Depth: 20953

True Vertical Depth: 11370

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

Notes:

Category

Description

DEEP SURFACE CASING

12/13/2018 - 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

12/13/2018 - 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

12/13/2018 - 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

12/13/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201604327

1/22/2019 - G56 - NPT TO CORRECT SP # 660343 AS TO THE TABLE ON PAGE TWO, THE WDFD FORMATION SHOULD BE EXTENDED BY SP # 643729 PER ATTORNEY FOR OPERATOR

This permit does not address the right of entry or settlement of surface damages.

011 24164 FLEENOR 8_5-15N-10W 2HX

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 - 201810245	1/9/2019 - G56 - 5-15N-10W X660343 MSNLC 1 WELL DEVON ENERGY PRODUCTION COMPANY, L.P. REC 12/31/2018 (P. PORTER)
PENDING CD - 201810246	1/9/2019 - G56 - 8-15N-10W X643729 MSSP 1 WELL DEVON ENERGY PRODUCTION COMPANY, L.P. REC 12/31/2018 (P. PORTER)
PENDING CD - 201810247	1/9/2019 - G56 - (I.O.) 5 & 8-15N-10W X660343 MSNLC, WDFD 5-15N-10W X643729 MSSP, WDFD, 8-15N-10W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO THE DOROTHY 5H-32UM, ROCKY 1-17H WELLS COMPL INT (8-15N-10W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL INT (5-15N-10W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL DEVON ENERGY PRODUCTION COMPANY, L.P. REC 12/31/2018 (P. PORTER)
PENDING CD - 201810248	1/9/2019 - G56 - (I.O.) 5 & 8-15N-10W ESTABLISH MULTIUNIT HORIZONTAL WELL X660343 MSNLC, WDFD 5-15N-10W X643729 MSSP, WDFD, 8-15N-10W (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO MSNLC 5-15N-10W)*** (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO MSSP 8-15N-10W)*** 50% 5-15N-10W 50% 8-15N-10W DEVON ENERGY PRODUCTION COMPANY, L.P. REC 12/31/2018 (P. PORTER)
	***CORRECTED TO AT HEARING PER ATTORNEY FOR OPERATOR
SPACING - 643729	1/9/2019 - G56 - (640)(HOR) 8-15N-10W EST MSSP, WDFD, OTHER COMPL INT (MSSP) NCT 660' FB COMPL INT (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL
SPACING - 660343	1/9/2019 - G56 - (640)(HOR) 5-15N-10W EST OTHER EXT 644506 MSNLC EXT 643729 WDFD, OTHER COMPL INT (MSNLC) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL



OPERATOR: DEVON ENERGY PRODUCTION COMPANY, L.P.

LEASE NAME: FLEENOR 8_5-15N-10W
WELL NO. 2HX
GOOD DRILL SITE: YES
BLAINE COUNTY, STATE: OK
GROUND ELEVATION: 1527.33' GR. AT STAKE
SURFACE HOLE FOOTAGE: 1385' FEL - 265' FSL
SECTION: 7 TOWNSHIP: T15N RANGE: R10W
BOTTOM HOLE: 5-T15N-R10W, I.M.
ACCESSIBILITY TO LOCATION: FROM SOUTH LINE
TOPOGRAPHY & VEGETATION:
LOCATION FELL IN A FIELD

DISTANCE & DIRECTION FROM HWY JCT OR TOWN:
FROM INTERSECTION HWY 3 AND HWY 281 IN WATONGA,
EAST ON HWY 3 4 MILES, SOUTH ON N2610 RD 4 MILES,
EAST ON E0850 RD 2.75 MILES, PAD ON NORTH 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.

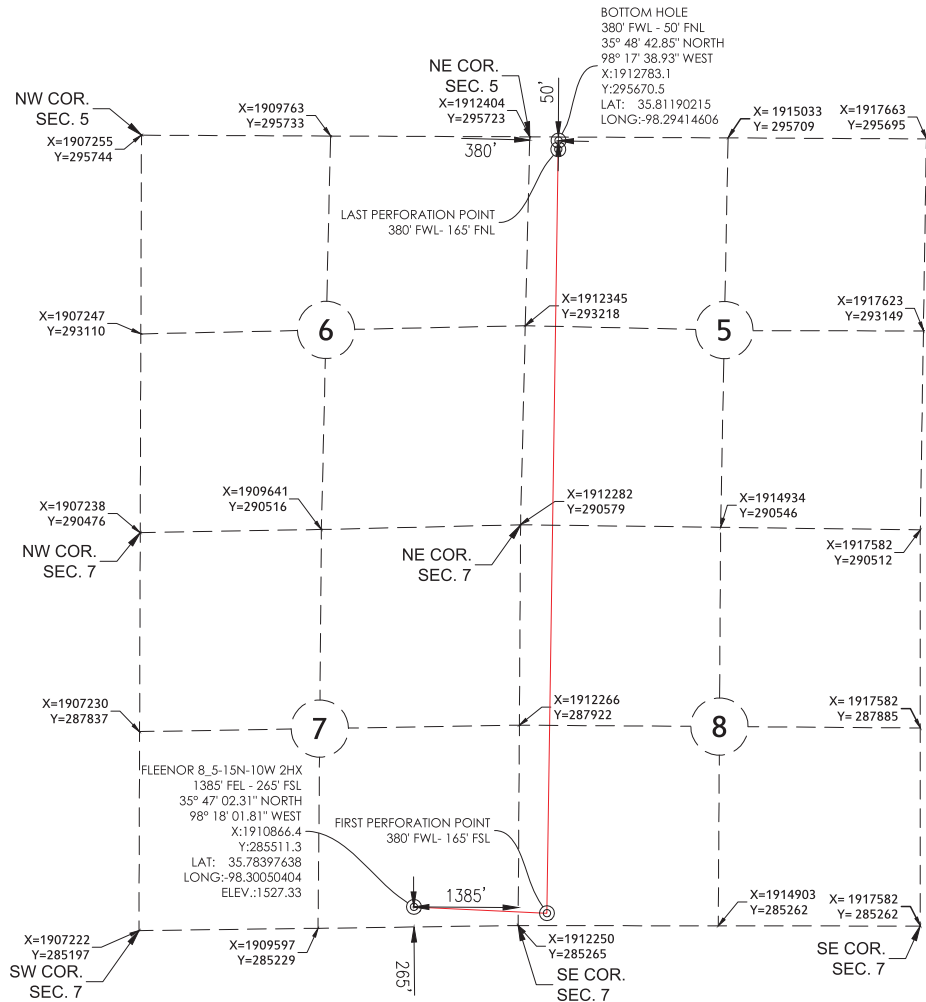


BLAINE COUNTY, OKLAHOMA
1385' FEL - 265' FSL SECTION 7 TOWNSHIP 15N RANGE 10W I.M.

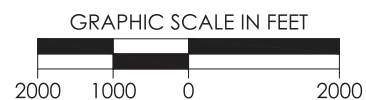
SURFACE HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1910866.4
Y: 285511.3
GPS DATUM: NAD27
LAT: 35.78397638
LONG: -98.30050404
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1879266.5
Y: 285535.2
GPS DATUM: NAD83
LAT: 35.78402045
LONG: -98.30084810


BOTTOM HOLE DATA
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD27
X: 1912783.1
Y: 295670.5
GPS DATUM: NAD27
LAT: 35.81190215
LONG: -98.29414606
STATE PLANE COORDINATES:
ZONE: OK-NORTH NAD83
X: 1881183.0
Y: 295694.4
GPS DATUM: NAD83
LAT: 35.81194535
LONG: -98.29449052

BOTTOM HOLE
INFORMATION PROVIDED
BY OPERATOR LISTED.



Date: 2018.11.07 10:53:00-06'00'



REVISION		"FLEENOR 8_5-15N-10W 2HX"		 devon
		PART OF THE SE/4 OF SECTION 7, T-15-N, R-10-W PROPOSED DRILL SITE BLAINE COUNTY, OKLAHOMA		
		SCALE: 1" = 2000'		
		PLOT DATE: 11-07-2018	DRAWN BY:	JJ SHEET NO.: 1 OF 6