API NUMBER: 011 24342

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

Approval Date: 12/06/2022
Expiration Date: 06/06/2024

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 16 Township: 15N Range: 11W County: BLAINE

SPOT LOCATION: NE SE SE SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**

SECTION LINES: **455** **2623**

Lease Name: **REDWOOD 21_28_33-15N-11W** **Well No:** **3HXX** **Well will be** **455** **feet from nearest unit or lease boundary.**

Operator Name: **DEVON ENERGY PRODUCTION CO LP** Telephone: 4052353611; 4052353611; OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP
333 W SHERIDAN AVE
OKLAHOMA CITY, OK 73102-5015

RODNEY E. COWAN
85651 N. 2610 RD.
WATONGA OK 73772

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	9733
2	WOODFORD	319WDFD	12027

Spacing Orders: 661836, 730126, 723411, 663276

Location Exception Orders: 730129

Increased Density Orders: 722696, 723744, 729891

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 26698 Ground Elevation: 1451 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 60

Deep surface casing has been approved

Under Federal Jurisdiction: Yes
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 22-38750
H. (Other) SEE MEMO

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** located in a Hydrologically Sensitive Area.

Category of Pit: C
Liner not required for Category: C
Pit Location is: ALLUVIAL
Pit Location Formation: ALLUVIUM

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: ALLUVIAL
Pit Location Formation: ALLUVIUM

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

MULTI UNIT HOLE 1

Section: 33	Township: 15N	Range: 11W	Meridian: IM
County: BLAINE			
Spot Location of End Point: SW	SW	SE	SW
Feet From: **SOUTH**	1/4 Section Line: 50		
Feet From: **WEST**	1/4 Section Line: 1402		

Total Length:	15770
Measured Total Depth:	26698
True Vertical Depth:	13000
End Point Location from Lease,Unit, or Property Line:	50

NOTES:

Category	Description
DEEP SURFACE CASING	[12/5/2022 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.
HYDRAULIC FRACTURING	[12/5/2022 - GC2] - OCC 165:10-3-10 REQUIRES: 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN; 2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
INCREASED DENSITY - 722696	[12/6/2022 - G56] - 21-15N-11W X661836 MSSP 4 WELLS DEVON ENERGY PROD CO, LP 1/7/2022
INCREASED DENSITY - 723744	[12/6/2022 - G56] - 28-15N-11W X723411 MSSP 3 WELLS DEVON ENERGY PROD CO, LP 2/24/2022
INCREASED DENSITY - 729891	[12/6/2022 - G56] - 33-15N-11W X663276 MSSP 3 WELLS DEVON ENERGY PROD CO, LP 11/15/2022
INTERMEDIATE CASING	[12/5/2022 - GC2] - 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
LOCATION EXCEPTION - 730129	[12/6/2022 - G56] - (I.O.) 21, 28 & 33-15N-11W X661836 MSSP, WDFD 21-15N-11W X723411 MSSP, WDFD 28-15N-11W X663276 MSSP, WDFD 33-15N-11W X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' TO REDMAN BIA 1-28H (011-23796) WELL COMPL INT (21-15N-11W) NCT 165' FNL, NCT 0' FSL, NCT 990' FWL COMPL INT (28-15N-11W) NCT 0' FNL, NCT 0' FSL, NCT 990' FWL COMPL INT (33-15N-11W) NCT 0' FNL, NCT 165' FSL, NCT 990' FWL DEVON ENERGY PROD CO, LP 11/28/2022
MEMO	[12/5/2022 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 661836	[12/6/2022 - G56] - (640)(HOR) 21-15N-11W EXT 649479 MSSP, WDFD COMPL INT (MSSP) NCT 660' FB COMPL INT (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

SPACING - 663276	[12/6/2022 - G56] - (640)(HOR) 33-15N-11W EST MSSP, WDFD COMPL INT (MSSP) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL
SPACING - 723411	[12/6/2022 - G56] - (640)(HOR) 28-15N-11W EXT 661836 MSSP, WDFD POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST WITH SP # 656151 MSSP, WDFD)
SPACING - 730126	[12/6/2022 - G56] - (I.O.) 21, 28 & 33-15N-11W EST MULTIUNIT HORIZONTAL WELL X661836 MSSP, WDFD 21-15N-11W X723411 MSSP, WDFD 28-15N-11W X663276 MSSP, WDFD 33-15N-11W (WDFD IS ADJACENT CSS TO MSSP) 33% 21-15N-11W 34% 28-15N-11W 33% 33-15N-11W DEVON ENERGY PROD CO, LP 11/28/2022

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