

API NUMBER: 017 25959

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

Approval Date: 05/19/2023

Expiration Date: 11/19/2024

Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 17 Township: 14N Range: 9W County: CANADIAN

SPOT LOCATION: ☐ SW ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 405 2352

Lease Name: RHINO 8 5-14N-9W Well No: 2HX Well will be 405 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

NOA, LLC
PO BOX 21625
OKLAHOMA CITY OK 73156

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

Name	Code	Depth
1 MISSISSIPPIAN (LESS CHESTER)	359MSNLC	10326

Spacing Orders: 663424
663022
731777

Location Exception Orders: 731784

Increased Density Orders: 731231
731232

Pending CD Numbers: No Pending

Working interest owners' notified: DNA

Special Orders: No Special

Total Depth: 21907

Ground Elevation: 1429

Surface Casing: 640

Depth to base of Treatable Water-Bearing FM: 390

Under Federal Jurisdiction: No
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: 23-38949

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: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

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

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? Y

Wellhead Protection Area? Y

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

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: 5	Township: 14N	Range: 9W	Meridian: IM	Total Length: 10560
	County: CANADIAN			Measured Total Depth: 21907
Spot Location of End Point: NW	NE	NW	NW	True Vertical Depth: 11074
Feet From: NORTH		1/4 Section Line: 50		End Point Location from
Feet From: WEST		1/4 Section Line: 953		Lease, Unit, or Property Line: 50

NOTES:

Category	Description
HYDRAULIC FRACTURING	<p>[5/18/2023 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
INCREASED DENSITY - 731231	<p>[5/18/2023 - G56] - (I.O.) 5-14N-9W X663424 MSNLC 3 WELLS DEVON ENERGY PROD CO, LP 1/9/2023</p>
INCREASED DENSITY - 731232	<p>[5/18/2023 - G56] - 8-14N-9W X663022 MSNLC 3 WELLS DEVON ENERGY PROD CO, LP 1/9/2023</p>
INTERMEDIATE CASING	<p>[5/18/2023 - 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</p>
LOCATION EXCEPTION - 731784	<p>[5/18/2023 - G56] - (I.O.) 5 & 8-14N-9W X663424 MSNLC 5-14N-9W X663022 MSNLC 8-14N-9W COMPL INT (5-14N-9W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL COMPL INT (8-14N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL DEVON ENERGY PROD CO, LP 1/30/2023</p>
MEMO	<p>[5/18/2023 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PUBLIC WATER SUPPLY	<p>[5/18/2023 - GC2] - OKARCHE - 2 WELLS N2 17-14N-9W AND OKARCHE RWD, INC - 2 WELLS SW4 8-14N-9W</p>
SPACING - 663022	<p>[5/18/2023 - G56] - (640)(HOR) 8-14N-9W VAC 641050 MSSP EXT 641963 MSNLC COMPL INT NCT 660' FB (COEXIST WITH SP # 197963 MSSSD)</p>
SPACING - 663424	<p>[5/18/2023 - G56] - (640)(HOR) 5-14N-9W VAC 641050 MSSP EXT 641963 MSNLC COMPL INT NCT 660' FB (COEXIST WITH SP # 185925 MSSSD)</p>
SPACING - 731777	<p>[5/18/2023 - G56] - (I.O.) 5 & 8-14N-9W EST MULTIUNIT HORIZONTAL WELL X663424 MSNLC 5-14N-9W X663022 MSNLC 8-14N-9W 50% 5-14N-9W 50% 8-14N-9W DEVON ENERGY PROD CO, LP 1/30/2023</p>
SURFACE CASING	<p>[5/18/2023 - GC2] - NO DEEP SURFACE CASING DUE TO BEING INSIDE PUBLIC WATER SUPPLY WELLS</p>

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017 25959 RHINO 8_5-14N-9W 2HX