

API NUMBER: 017 25680

OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
P.O. BOX 52000
OKLAHOMA CITY, OK 73152-2000
(Rule 165:10-3-1)Approval Date: 06/11/2021
Expiration Date: 12/11/2022

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 06 Township: 14N Range: 9W County: CANADIAN

SPOT LOCATION: ☐ SW ☐ NE ☐ NE ☐ NW
FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 586 2005

Lease Name: OTTO 31_30-15N-9W Well No: 2HX Well will be 586 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 73102-5015LARRY GLENN MOORE AND CHRISTINE MOORE
18621 234TH ROAD NW
CALUMET OK 73014

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	9689
2	MISSISSIPPI SOLID	351MSSSD	10139
3	WOODFORD	319WDFD	11159

Spacing Orders: 176175
612110
657910
718431

Location Exception Orders: 718436

Increased Density Orders: 718520
718499

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 19623

Ground Elevation: 1443

Surface Casing: 690

Depth to base of Treatable Water-Bearing FM: 440

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: 21-37641

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 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

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

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: 30	Township: 15N	Range: 9W	Meridian: IM	Total Length: 8606
County: KINGFISHER				Measured Total Depth: 19623
Spot Location of End Point: NW	SE	SW	NW	True Vertical Depth: 12000
Feet From: NORTH	1/4 Section Line: 2135		End Point Location from	
Feet From: WEST	1/4 Section Line: 699		Lease, Unit, or Property Line: 699	

NOTES:

Category	Description
DEEP SURFACE CASING	[6/3/2021 - GB1] - NO DSC DUE TO SURFACE HOLE ISSUES IN SE4 6-14N-9W
HYDRAULIC FRACTURING	<p>[6/3/2021 - GB1] - 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 HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; 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 - 718499	<p>[6/10/2021 - GC2] - 31-15N-9W X176175 MSSSD 4 WELLS DEVON ENERGY PRODUCTION COMPANY, L.P. 5-21-2021</p>
INCREASED DENSITY - 718520	<p>[6/10/2021 - GC2] - 30-15N-9W X657910 MSSP 4 WELLS DEVON ENERGY PRODUCTION COMPANY, L.P. 5-24-2021</p>
INTERMEDIATE CASING	[6/3/2021 - GB1] - 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 - 718436	<p>[6/10/2021 - GC2] - (I.O.) 30 & 31-15N-9W X176175 MSSSD 31-15N-9W X612110 WDFD 31-15N-9W X657910 MSSP, WDFD 30-15N-9W X165:10-3-28(C)(2)(B) MSSP, MSSSD MAYBE CLOSER THAN 600' TO PROPOSED WELLS, THUNDER-ROTHER 30-15N-9W 1H, & LOTOCKA 1-31 COMPL. INT. (31-15N-9W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (30-15N-9W) NCT 0' FSL, NCT 1320' FNL/FSL, NCT 330' FWL DEVON ENERGY PRODUCTION COMPANY, L.P 5-19-2021</p>
MEMO	[6/3/2021 - GB1] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 176175	<p>[6/10/2021 - GC2] - (640) 30 & 31-15N-9W EST OTHERS EXT OTHERS EXT 11184 MSSSD</p>
SPACING - 612110	<p>[6/10/2021 - GC2] - (640) 31-15N-9W EXT 591627 WDFD</p>
SPACING - 657910	<p>[6/10/2021 - GC2] - (640)(HOR) 30-15N-9W EXT 649977 WDFD EST MSSP COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL COMPL. INT. (MSSP) NCT 660' FB (COEXIST SPACING ORDER 176175 MSSSD, OTHERS 30-15N-9W)</p>

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 - 71841

[6/10/2021 - GC2] - (I.O.) 30 & 31-15N-9W
EST MULTIUNIT HORIZONTAL WELL
X176175 MSSSD 31-15N-9W
X612110 WDFD 31-15N-9W
X657910 MSSP, WDFD 30-15N-9W
(WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSSD, MSSP)
33% 30-15N-9W
67% 31-15N-9W
DEVON ENERGY PRODUCTION COMPANY, L.P.
5-19-2021

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017 25680 OTTO 31_30-15N-9W 2HX

