

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

API NUMBER: 017 25890

Approval Date: 12/16/2022

Expiration Date: 06/16/2024

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 09 Township: 14N Range: 7W County: CANADIAN

SPOT LOCATION: SW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 431 2313

Lease Name: REDHEAD 1407 Well No: 2H-9XX Well will be 431 feet from nearest unit or lease boundary.

Operator Name: OVINTIV USA INC Telephone: 2812105100 OTC/OCC Number: 21713 0

OVINTIV USA INC

THE WOODLANDS, TX 77380-3197

REDHEAD LLC, DAVID SCHWARZ AS MANAGER
1805 CLEARWATER CT
KINGFISHER OK 73750

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

Name	Code	Depth
1 WOODFORD	319WDFD	9033

Spacing Orders: 638633
631989

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202203734
202203736
202203738
202203739
202203740

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 24680

Ground Elevation: 1189

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 310

Deep surface casing has been approved

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: 22-38768
E. Haul to Commercial pit facility	Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498
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? 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: BED AQUIFER

Pit Location Formation: CHICKASHA

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: BED AQUIFER

Pit Location Formation: CHICKASHA

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: 21	Township: 14N	Range: 7W	Meridian: IM	Total Length: 15256
	County: CANADIAN			Measured Total Depth: 24680
Spot Location of End Point: NE	SW	SE	SW	True Vertical Depth: 9324
Feet From: SOUTH		1/4 Section Line: 380		End Point Location from
Feet From: WEST		1/4 Section Line: 1740		Lease,Unit, or Property Line: 380

NOTES:

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Category	Description
DEEP SURFACE CASING	[12/15/2022 - 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	[12/15/2022 - 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
MEMO	[12/15/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202203734	[12/16/2022 - G56] - 9-14N-7W X638633 WDFD 5 WELLS NO OP NAMED REC 10/4/2022 (P. PORTER)
PENDING CD - 202203736	[12/16/2022 - G56] - 16-14N-7W X638633 WDFD 5 WELLS NO OP NAMED REC 10/4/2022 (P. PORTER)
PENDING CD - 202203738	[12/16/2022 - G56] - 21-14N-7W X631989 WDFD 5 WELLS NO OP NAMED REC 10/4/2022 (P. PORTER)
PENDING CD - 202203739	[12/16/2022 - G56] - (I.O.) 9, 16 & 21-14N-7W EST MULTIUNIT HORIZONTAL WELL X638633 WDFD, OTHERS 9, 16-14N-7W X631989 WDFD, OTHERS 21-14N-7W 33% 9-14N-7W 34% 16-14N-7W 33% 21-14N-7W NO OP NAMED REC 10/4/2022 (P. PORTER)
PENDING CD - 202203740	[12/16/2022 - G56] - (I.O.) 9, 16 & 21-14N-7W X638633 WDFD, OTHERS 9, 16-14N-7W X631989 WDFD, OTHERS 21-14N-7W COMPL INT (9-14N-7W) NCT 165' FNL, NCT 0' FSL, NCT 990' FWL COMPL INT (16-14N-7W) NCT 0' FNL, NCT 0' FSL, NCT 990' FWL COMPL INT (21-14N-7W) NCT 0' FNL, NCT 165' FSL, NCT 990' FWL NO OP NAMED REC 10/4/2022 (P. PORTER)
SPACING - 631989	[12/16/2022 - G56] - (640)(HOR) 21-14N-7W VAC OTHERS EXT 615614 WDFD, OTHERS COMPL INT NLT 165' FNL/FSL, NLT 330' FEL/FWL
SPACING - 638633	[12/16/2022 - G56] - (640)(HOR) 9 & 16-14N-7W EXT 631989 WDFD, OTHERS COMPL INT NLT 165' FNL/FSL, NLT 330' FEL/FWL (COEXIST WITH SP # 170593 WDFD)

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