API NUMBER:	073	26769

Oil & Gas

Multi Unit

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

Approval Date: 07/20/2021 01/20/2023 Expiration Date:

	PERMIT TO DRILL
WELL LOCATION: Section: 17 Township: 16N Range:	6W County: KINGFISHER
SPOT LOCATION: SW NE NE NW FEET FROM QUARTER:	FROM NORTH FROM WEST
SECTION LINES:	385 2170
Lease Name: CHURCH 1606	Vell No: 2H-17X Well will be 385 feet from nearest unit or lease boundary.
Operator Name: OVINTIV MID-CONTINENT INC. Te	ephone: 2812105100; 9188781290; OTC/OCC Number: 20944 0
OVINTIV MID-CONTINENT INC.	KENNETH KARRENBROCK AND ALICIA G. KARRENBROCK,
4 WATERWAY AVE STE 100	HUSBAND AND WIFE, AS JOINT TENANTS
THE WOODLANDS, TX 77380-2764	21380 N. 2880 RD.
	KINGFISHER OK 73750
Formation(s) (Permit Valid for Listed Formations Only):	
	epth
	277
Spacing Orders: 643931 Location 588584	on Exception Orders: No Exceptions Increased Density Orders: No Density Orders
Pending CD Numbers: 202100922 Wo 202100924 202100930 202100926 202100927	rking interest owners' notified: *** Special Orders: No Special Orders
Total Depth: 17777 Ground Elevation: 1129	face Casing: 500 Depth to base of Treatable Water-Bearing FM: 180
	Deep surface casing has been approved
Under Federal Jurisdiction: No	Approved Method for disposal of Drilling Fluids:
Fresh Water Supply Well Drilled: No	D. One time land application (REQUIRES PERMIT) PERMIT NO: 21-37691
Surface Water used to Drill: Yes	E. Haul to Commercial pit facility Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498
	H. (Other) SEE MEMO
PIT 1 INFORMATION	Category of Pit: C
Type of Pit System: CLOSED Closed System Means Steel Pits	Liner not required for Category: C
Type of Mud System: WATER BASED	Pit Location is: NON HSA
Chlorides Max: 5000 Average: 3000	Pit Location Formation: BISON
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 <b>is not</b> located in a Hydrologically Sensitive Area.	

**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: BISON

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: 20 Township: 16N F	ange: 6W Meridian: IM	Total Length:	10307
County: KINGFISH	R	Measured Total Depth:	17777
Spot Location of End Point: SW SE	SE SW	True Vertical Depth:	8000
Feet From: SOUTH	1/4 Section Line: 85	End Point Location from	
Feet From: WEST	1/4 Section Line: 2204	Lease, Unit, or Property Line:	85

NOTES:	
Category	Description
DEEP SURFACE CASING	[7/13/2021 - GC2] - 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	[7/13/2021 - 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 HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; 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	[7/13/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202100922	[7/19/2021 - G56] - 17-16N-6W X643931 MSNLC 2 WELLS NO OP NAMED REC 7/13/2021 (DENTON)
PENDING CD - 202100924	[7/19/2021 - G56] - 20-16N-6W X588584 MSSLM 2 WELLS NO OP NAMED REC 7/13/2021
PENDING CD - 202100926	[7/19/2021 - G56] - (I.O.) 17 & 20-16N-6W EST MULTIUNIT HORIZONTAL WELL X588584 MSSLM, OTHER 20-16N-6W X643931 MSNLC, OTHER 17-16N-6W 50% 20-16N-6W 50% 17-16N-6W NO OP NAMED REC 7/13/2021 (DENTON)
PENDING CD - 202100927	[7/19/2021 - G56] - (I.O.) 17 & 20-16N-6W X588584 MSSLM, OTHER 20-16N-6W X643931 MSNLC, OTHER 17-16N-6W COMPL. INT. (20-16N-6W) NCT 165 FSL, NCT 0 FNL, NCT 1320 FWL COMPL. INT. (17-16N-6W) NCT 0 FSL, NCT 165 FNL, NCT 1320 FWL NO OP NAMED REC 7/13/2021 (DENTON)
PENDING CD - 202100930	[7/19/2021 - G56] - (I.O.) 17 & 20-16N-6W X165:10-3-28(C)(2)(B) MSSLM, MSNLC (CHURCH 1606 2H-17X) MAY BE CLOSER THAN 600' TO CHURCH 1H-17X, ZALABAK 2, BROOKS HENSLEY 1-17, MELISSA HENSLEY 1-17, GREENLEE 20-16-6 1H NO OP NAMED REC 7/13/2021 (DENTON)

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 - 588584	[7/19/2021 - G56] - (640)(HOR) 20-16N-6W EXT OTHER VAC 185382 MSSLM REFORM 62655/105295 MSSLM TO 640 HOR DR & SP UNIT COMPL INT NCT 660' FB
SPACING - 643931	[7/19/2021 - G56] - (640)(HOR) 17-16N-6W VAC OTHER VAC 62655/105295 MSSLM SE4 VAC 195732 MSSLM, OTHER SE4 EXT 642858 MSNLC, OTHER COMPL INT NCT 660' FB (COEXIST WITH SP # 62655/105295 W2, NE4; SP # 522340)



