

API NUMBER: 073 26685 A

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

Approval Date: 02/17/2023

Expiration Date: 08/17/2024

Multi Unit

Oil & Gas

## PERMIT TO DRILL

WELL LOCATION: Section: 28 Township: 16N Range: 9W County: KINGFISHER

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

SECTION LINES: 370 1910

Lease Name: LO-NIC BIA 1609

Well No: 3-28-21MXH

Well will be 370 feet from nearest unit or lease boundary.

Operator Name: MARATHON OIL COMPANY

Telephone: 8666622378

OTC/OCC Number: 1363 0

MARATHON OIL COMPANY  
990 TOWN & COUNTRY BLVD  
HOUSTON, TX 77024-2217

RICHARD & SHERRILL MURRAY  
3420 E. 790 ROAD  
KINGFISHER OK 73750

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

Name	Code	Depth
1 MISSISSIPPIAN (LESS CHESTER)	359MSNLC	9564

Spacing Orders: 660247  
659515

Location Exception Orders: 729444

Increased Density Orders: No Density

Pending CD Numbers: 202205030  
202205031  
202205026  
202205027

Working interest owners' notified: \*\*\*

Special Orders: No Special

Total Depth: 19372

Ground Elevation: 1173

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 650

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: 23-38862
H. (Other)	SEE MEMO
G. Haul to recycling/re-use facility	Sec. 22 Twn. 16N Rng. 9W Cnty. 73 Order No: 647741

### 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 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: 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 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: 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: 16N	Range: 9W	Meridian: IM	Total Length: 9544
County: KINGFISHER				Measured Total Depth: 19372
Spot Location of End Point: NW NE NE NW				True Vertical Depth: 10066
Feet From: <b>NORTH</b>		1/4 Section Line: 165		End Point Location from
Feet From: <b>WEST</b>		1/4 Section Line: 2030		Lease, Unit, or Property Line: 165

**NOTES:**

Category	Description
DEEP SURFACE CASING	[2/3/2023 - 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	<p>[2/3/2023 - 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: <a href="https://oklahoma.gov/occ/divisions/oil-gas/ogcd-forms">HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
INTERMEDIATE CASING	2/28/2020 - G71 - 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 - 729443	<p>[2/17/2023 - GB1] - (I.O.) 21 &amp; 28-16N-9W  X165:10-3-28(C)(2)(B) MSNLC  MAY BE CLOSER THAN 600' TO CONLEY 4-28  NO OP NAMED  10/27/2022</p>
MEMO	2/28/2020 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202205026	<p>[2/7/2023 - GB1] - 21-16N-9W  X660247 MSNLC  3 WELLS  NO OP NAMED  REC 2/14/2023 (PRESLAR)</p>
PENDING CD - 202205027	<p>[2/7/2023 - GB1] - 28-16N-9W  X659515 MSNLC  3 WELLS  NO OP NAMED  REC 2/14/2023 (PRESLAR)</p>
PENDING CD - 202205030	<p>[2/7/2023 - GB1] - (I.O.) 21 &amp; 28-16N-9W  EST MULTIUNIT HORIZONTAL WELL  X659515 MSNLC, OTHER 28-16N-9W  X660247 MSNLC, OTHER 21-16N-9W  50% 21-16N-9W  50% 28-16N-9W  NO OP. NAMED  REC 2/14/2023 (PRESLAR)</p>
PENDING CD - 202205031	<p>[2/7/2023 - GB1] - (I.O.) 21 &amp; 28-16N-9W  X659515 MSNLC, OTHER 28-16N-9W  X660247 MSNLC, OTHER 21-16N-9W  COMPL. INT. (28-16N-9W) NCT 165' FSL, NCT 0' FNL, NCT 1320' FWL  COMPL. INT. (21-16N-9W) NCT 0' FSL, NCT 165' FNL, NCT 1320' FWL  NO OP. NAMED  REC 2/14/2023 (PRESLAR)</p>
SPACING – 659515	<p>3/10/2020 - GB6 - (640)(HOR) 28-16N-9W  EXT 655017 MSNLC, OTHER  COMPL. INT. (MSNLC) NCT 660' FB  (COEXIST SP. ORDER # 5551190 MSSSD W2 28-16N-9W)</p>
SPACING – 660247	<p>3/10/2020 - GB6 - (640)(HOR) 21-16N-9W  EXT 655017 MSNLC, OTHER  COMPL. INT. (MSNLC) NCT 660' FB  (COEXIST SP. ORDER # 165403 MSDMC E2 21-16N-9W &amp; ORDER # 161492 MSDMC W2 21-16N-9W)</p>

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073 26685 LO-NIC BIA 1609 3-28-21MXH