

API NUMBER: 073 27003

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

Approval Date: 04/26/2023

Expiration Date: 10/26/2024

Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 13 Township: 16N Range: 7W County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 349 1021

Lease Name: SERPENTINE 1607 Well No: 1-13-24MXH Well will be 349 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

WILLIAM F WHITE, MARGIE L WHITE FAMILY TRUST, EDWARD
WHITE TRUSTEE
2507 NANTUCKET DR.
SHERMAN TX 75092

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	7439

Spacing Orders: 665370
642830

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202301136
202301137
202301138
202301139

Working interest owners' notified: DNA

Special Orders: No Special

Total Depth: 18500

Ground Elevation: 1088

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 160

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: 23-38979

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 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: SALT PLAINS

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: SALT PLAINS

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: 24	Township: 16N	Range: 7W	Meridian: IM	Total Length: 9801
County: KINGFISHER				Measured Total Depth: 18500
Spot Location of End Point: SW	SW	SE	SW	True Vertical Depth: 8215
Feet From: SOUTH	1/4 Section Line: 165			End Point Location from
Feet From: WEST	1/4 Section Line: 1600			Lease, Unit, or Property Line: 165

NOTES:

Category	Description
DEEP SURFACE CASING	[4/21/2023 - 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	[4/21/2023 - 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	[4/21/2023 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 2023-001136	[4/24/2023 - GC2] - 13-16N-7W X665370 MSSP 1 WELL NO OP NAMED REC. 4/18/2023 (ORTEL)
PENDING CD - 2023-001137	[4/24/2023 - GC2] - 24-16N-7W X642830 MSSP 1 WELL NO OP NAMED REC. 4/18/2023 (ORTEL)
PENDING CD - 2023-001138	[4/24/2023 - GC2] - (I.O.) 13 & 24-16N-7W EST MULTIUNIT HORIZONTAL WELL X665370 MSSP 13-16N-7W X642830 MSSP 24-16N-7W 50% 13-16N-7W 50% 24-16N-7W NO OP NAMED REC. 4/18/2023 (ORTEL)
PENDING CD - 2023-001139	[4/24/2023 - GC2] - (I.O.) 13 & 24-16N-7W X665370 MSSP 13-16N-7W X642830 MSSP 24-16N-7W COMPL. INT. (13-16N-7W) NCT 165' FNL, NCT 0' FSL, NCT 950' FWL, NCT 1980' FEL COMPL. INT. (24-16N-7W) NCT 0' FNL, NCT 165' FSL, NCT 950' FWL NO OP NAMED REC. 4/18/2023 (ORTEL)
SPACING - 642830	[4/24/2023 - GC2] - (640)(HOR) 24-16N-7W EST MSSP COMPL. INT. (MSSP) NLT 660' FB
SPACING - 665370	[4/24/2023 - GC2] - (640)(HOR) 13-16N-7W EXT 642830 MSSP, OTHER COMPL. INT. (MSSP) NCT 660' FB

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073 27003 SERPENTINE 1607 1-13-24MXH