

API NUMBER: 043 23782

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

Approval Date: 07/27/2023

Expiration Date: 01/27/2025

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 14 Township: 18N Range: 16W County: DEWEY

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 250 1320

Lease Name: DEAD END RANCH 23 BN

Well No: 1H

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: MEWBOURNE OIL COMPANY

Telephone: 9035612900

OTC/OCC Number: 6722 0

MEWBOURNE OIL COMPANY

TYLER, TX 75701-8644

DEAD END RANCHES, LLC C/O CHRIS CRAIGHEAD

1501 LERA DRIVE

STE #3

WEATHERFORD

OK 73096

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

Name	Code	Depth
1 RED FORK	404RDFK	8680

Spacing Orders: 473510

Location Exception Orders: 733612

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: DNA

Special Orders: No Special

Total Depth: 14223

Ground Elevation: 1689

Surface Casing: 380

Depth to base of Treatable Water-Bearing FM: 130

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. (Other)

SEE MEMO

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.

PIT 1 INFORMATION**Type of Pit System:** ON SITE**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 located in a Hydrologically Sensitive Area.**Category of Pit:** 1B**Liner required for Category:** 1B**Pit Location is:** AP/TE DEPOSIT**Pit Location Formation:** TERRACE**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:** AP/TE DEPOSIT**Pit Location Formation:** Terrace**PIT 3 INFORMATION****Type of Pit System:** ON SITE**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:** 3**Liner required for Category:** 3**Pit Location is:** AP/TE DEPOSIT**Pit Location Formation:** TERRACE**HORIZONTAL HOLE 1**

Section: 23 Township: 18N Range: 16W Meridian: IM

Total Length: 5206

County: DEWEY

Measured Total Depth: 14223

Spot Location of End Point: W2 SW SE SW

True Vertical Depth: 8790

Feet From: **SOUTH** 1/4 Section Line: 330End Point Location from
Lease, Unit, or Property Line: 330Feet From: **WEST** 1/4 Section Line: 1400**NOTES:**

Category	Description
HYDRAULIC FRACTURING	<p>[7/26/2023 - GE7] - 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: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; 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>
INTERMEDIATE CASING	[7/26/2023 - GE7] - 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 - 733612	<p>[7/27/2023 - G56] - (I.O.) 23-18N-16W X473510 RDFK COMPL INT NCT 330' FSL, NCT 330' FNL, NCT 1320' FWL/FEL MEWBOURNE OIL CO 4/11/2023</p>
MEMO	[7/26/2023 - GE7] - PITS 1, 2, & 3 – PIT 1 – 1B MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, PIT 2 – CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR FOR OBM FLUID, PIT 3 – LINED BERM FOR OBM CUTTINGS, CUTTINGS PERMITTED PER DISTRICT VIA FORM 1014X
SPACING - 473510	<p>[7/27/2023 - G56] - (640) 23-18N-16W VAC 235413 RDFK, OTHER EXT 113240 RDFK, OTHER</p>