

API NUMBER: 039 22621

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

Approval Date: 12/09/2022
Expiration Date: 06/09/2024

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 01 Township: 14N Range: 14W County: CUSTER

SPOT LOCATION: SW SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 255 1285

Lease Name: COMER 1514 Well No: 3H-36X Well will be 255 feet from nearest unit or lease boundary.
Operator Name: TAMWORTH RESOURCES LLC Telephone: 9184099839 OTC/OCC Number: 24525 0

TAMWORTH RESOURCES LLC
PO BOX 140490
BROKEN ARROW, OK 74014-0005

BRAD PERKINS
90560 N 2450 ROAD
THOMAS OK 73669

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

Name	Code	Depth
1 MISSISSIPPIAN (LESS CHESTER)	359MSNLC	13500

Spacing Orders: 677825 Location Exception Orders: 726939 Increased Density Orders: 726994
689129 728407
727646

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 24000 Ground Elevation: 1677 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 60

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: 22-38761
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: 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: C

Liner not required for Category: C

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

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: 36	Township: 15N	Range: 14W	Meridian: IM	Total Length: 10319
County: CUSTER				Measured Total Depth: 24000
Spot Location of End Point: NE	NE	NW	NE	True Vertical Depth: 14000
Feet From: NORTH	1/4 Section Line: 65			End Point Location from
Feet From: EAST	1/4 Section Line: 1610			Lease, Unit, or Property Line: 65

NOTES:

Category	Description
DEEP SURFACE CASING	[10/20/2022 - 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	[10/20/2022 - 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
INCREASED DENSITY - 726994	[12/9/2022 - G56] - 1-14N-14W X677825/689129 MSNLC 1 WELL NO OP NAMED 7/19/2022
INCREASED DENSITY - 728407	[12/9/2022 - G56] - 36-15N-14W X677825/689129 MSNLC 1 WELL NO OP NAMED 9/13/2022
LOCATION EXCEPTION - 726939	[12/9/2022 - G56] - (I.O.) 1-14N-14W & 36-15N-14W X677825/689129 MSNLC, OTHER COMPL INT (1-14N-14W) NCT 165' FSL, NCT 0' FNL, NCT 990' FEL COMPL INT (36-15N-14W) NCT 0' FSL, NCT 165' FNL, NCT 990' FEL NO OP NAMED 7/15/2022
MEMO	[10/20/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 677825	[12/9/2022 - G56] - (640)(HOR) 36-15N-14W & 1-14N-14W EST MSNLC, OTHER COMPL INT NCT 660' FB
SPACING - 689129	[12/9/2022 - G56] - (640)(HOR) 36-15N-14W & 1-14N-14W CONFIRM 677825 MSNLC, OTHERS
SPACING - 727646	[12/9/2022 - G56] - (I.O.) 1-14N-14W & 36-15N-14W EST MULTIUNIT HORIZONTAL WELL X677825/689129 MSNLC, OTHER 50% 1-14N-14W 50% 36-15N-14W NO OP NAMED 8/16/2022
SURFACE CASING	[10/20/2022 - GC2] - MIN. 500' PER ORDER 42589

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039 22621 COMER 1514 3H-36X