| API NUMBER: | 017 | 25907 |  |
|-------------|-----|-------|--|

Horizontal Hole

Oil & Gas

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

Approval Date: 02/01/2023 Expiration Date: 08/01/2024

## PERMIT TO DRILL

| WELL LOCATION: Section: 04 Township: 12N Range: 9W County:   | CANADIAN   |  |  |  |
|--|--|--|--|--|
| SPOT LOCATION: NW NW NE FEET FROM QUARTER: FROM NORTH  | FROM EAST  |  |  |  |
| SECTION LINES: 255   | 2415   |  |  |  |
| Lease Name: MARILYN Well No: 2H-04093  | Well will be 255 feet from nearest unit or lease boundary.         |  |  |  |
| Operator Name: CIMAREX ENERGY CO Telephone: 9185851  | 00 OTC/OCC Number: 21194 0   |  |  |  |
| CIMAREX ENERGY CO DOUGLAS L. THOMPSON  |  |  |  |  |
| 202 S CHEYENNE AVE STE 1000  | 1121 LAMBETH DR.   |  |  |  |
| TULSA, OK 74103-3001   | EDMOND OK 73003  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Formation(s) (Permit Valid for Listed Formations Only):  |  |  |  |  |
| Name Code Depth  |  |  |  |  |
| 1 WOODFORD 319WDFD 12240   |  |  |  |  |
| Spacing Orders: 729595 Location Exception Order  | s: 730979 Increased Density Orders: No Density                     |  |  |  |
| Pending CD Numbers: No Pending Working interest owner  | rs' notified: *** Special Orders: No Special                       |  |  |  |
| Total Depth: 22450 Ground Elevation: 1561 Surface Casing:  | 1500 Depth to base of Treatable Water-Bearing FM: 240              |  |  |  |
| 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: 23-38848 |  |  |  |
| Surface Water used to Drill: Yes   | 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: BED AQUIFER                                       |  |  |  |
| Chlorides Max: 8000 Average: 5000  | Pit Location Formation: RUSH SPRINGS                               |  |  |  |
| 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 <u>is</u> located in a Hydrologically Sensitive Area.  |  |  |  |  |
| Pit     is     located in a Hydrologically Sensitive Area.       PIT 2 INFORMATION   | Category of Pit: C   |  |  |  |
| PIT 2 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits  | Liner not required for Category: C                                 |  |  |  |
| PIT 2 INFORMATION<br>Type of Pit System: CLOSED Closed System Means Steel Pits<br>Type of Mud System: OIL BASED  |  |  |  |  |
| PIT 2 INFORMATION         Type of Pit System: CLOSED Closed System Means Steel Pits         Type of Mud System: OIL BASED         Chlorides Max: 300000 Average: 200000  | Liner not required for Category: C                                 |  |  |  |
| PIT 2 INFORMATION<br>Type of Pit System: CLOSED Closed System Means Steel Pits<br>Type of Mud System: OIL BASED  | Liner not required for Category: C<br>Pit Location is: BED AQUIFER |  |  |  |
| PIT 2 INFORMATION         Type of Pit System: CLOSED Closed System Means Steel Pits         Type of Mud System: OIL BASED         Chlorides Max: 300000 Average: 200000  | Liner not required for Category: C<br>Pit Location is: BED AQUIFER |  |  |  |
| PIT 2 INFORMATION<br>Type of Pit System: CLOSED Closed System Means Steel Pits<br>Type of Mud System: OIL BASED<br>Chlorides Max: 300000 Average: 200000<br>Is depth to top of ground water greater than 10ft below base of pit? Y | Liner not required for Category: C<br>Pit Location is: BED AQUIFER |  |  |  |

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.

| HORIZONTAL HOLE 1           |          |           |               |                                   |       |
|-----------------------------|----------|-----------|---------------|-----------------------------------|-------|
| Section: 9 Township:        | 12N Ran  | ge: 9W    | Meridian:     | IM Total Length: 1                | 10260 |
| County:                     | CANADIAN |           |               | Measured Total Depth: 2           | 22450 |
| Spot Location of End Point: | SW SE    | SE        | SW            | True Vertical Depth: 1            | 12340 |
| Feet From:                  | SOUTH    | 1/4 Secti | on Line: 150  | End Point Location from           |       |
| Feet From:                  | WEST     | 1/4 Secti | on Line: 2040 | 0 Lease,Unit, or Property Line: 1 | 150   |

| NOTES:                      |  |
|-----------------------------|--|
| Category                    | Description  |
| DEEP SURFACE CASING         | [1/30/2023 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS<br>OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR<br>SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP<br>SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE<br>CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.   |
| HYDRAULIC FRACTURING        | [1/30/2023 - GC2] - OCC 165:10-3-10 REQUIRES:  |
|                             | 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF<br>HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING<br>WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE<br>TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE<br>HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN<br>PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE<br>INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN; |
|                             | 2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT<br>LEAST 48 HOURS PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS. FORM 6000NHF<br>SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS;<br>AND,  |
|                             | 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS<br>TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC<br>FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG   |
| LOCATION EXCEPTION - 730979 | [2/1/2023 - G56] - (I.O.) 4 & 9-12N-9W<br>X729595 WDFD<br>COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 1320' FWL<br>CIMAREX ENERGY, CO<br>12/29/2022  |
| МЕМО                        | [1/30/2023 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT   |
| SPACING - 729595            | [2/1/2023 - G56] - (1280)(HOR) 4 & 9-12N-9W<br>EST WDFD, OTHER<br>POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL<br>(COEXIST WITH SP # 597711 4-12N-9W, # 560331 9-12N-9W)  |