

API NUMBER: 017 25930

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

Approval Date: 03/13/2023
Expiration Date: 09/13/2024

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 30 Township: 11N Range: 7W County: CANADIAN

SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 247 1597

Lease Name: WILLIAMS Well No: 2H-3106X Well will be 247 feet from nearest unit or lease boundary.
Operator Name: CIMAREX ENERGY CO Telephone: 9185851100 OTC/OCC Number: 21194 0

CIMAREX ENERGY CO
202 S CHEYENNE AVE STE 1000
TULSA, OK 74103-3001

MICHAEL P. MICHALICKA
2500 74TH STREET SW
UNION CITY OK 73090

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

Name	Code	Depth
1 WOODFORD	319WDFD	11370

Spacing Orders: 654352 Location Exception Orders: 730389 Increased Density Orders: 728794
730387 728793

Pending CD Numbers: No Pending Working interest owners' notified: *** Special Orders: No Special
Total Depth: 21170 Ground Elevation: 1322 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 380

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: 23-38924
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: DOG CREEK

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits
Type of Mud System: OIL BASED
Chlorides Max: 90000 Average: 60000
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: DOG CREEK

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: 6	Township: 10N	Range: 7W	Meridian: IM	Total Length: 10260
County: CANADIAN				Measured Total Depth: 21170
Spot Location of End Point: SE	SE	SW	SW	True Vertical Depth: 11470
Feet From: SOUTH	1/4 Section Line: 150		End Point Location from	
Feet From: WEST	1/4 Section Line: 1240		Lease, Unit, or Property Line: 150	

NOTES:

Category	Description
DEEP SURFACE CASING	[3/10/2023 - 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	[3/10/2023 - 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
INCREASED DENSITY - 728793	[3/13/2023 - GB7] - 6-10N-7W X654352 WDFD 2 WELLS CIMAREX ENERGY CO 09/28/2022
INCREASED DENSITY - 728794	[3/13/2023 - GB7] - 31-11N-7W X654352 WDFD 2 WELLS CIMAREX ENERGY CO 09/28/2022
LOCATION EXCEPTION - 730389 (CD2022-003185)	[3/13/2023 - GB7] - (I.O.) 31-11N-7W & 6-10N-7W X654352 WDFD 31-11N-7W X654352 WDFD 6-10N-7W COMPL INT NCT 150' FNL, NCT 0' FSL, NCT 990' FWL COMPL INT NCT 0' FNL, NCT 150' FSL, NCT 990' FWL CIMAREX ENERGY CO 12/07/2022
MEMO	[3/10/2023 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 654352	[3/10/2023 - GB7] - (640)(HOR) 31-11N-7W, 6-10N-7W EXT 643928 WDFD, OTHER COMPL INT NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 730387 (CD2022-003183)	[3/13/2023 - GB7] - (I.O.) 31-11N-7W & 6-10N-7W EST MULTIUNIT HORIZONTAL WELL X654352 WDFD 31-11N-7W X654352 WDFD 6-10N-7W 50% 31-11N-7W 50% 6-10N-7W CIMAREX ENERGY CO 12/07/2022