API NUMBER: 011 24338

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

Approval Date: 10/18/2022
Expiration Date: 04/18/2024

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 20 Township: 13N Range: 13W County: BLAINE

SPOT LOCATION: NW NE NE NE FEET FROM QUARTER: FROM **NORTH** FROM **EAST**
SECTION LINES: **215** **430**

Lease Name: **LACRETIA** **Well No:** **4-20-29-32XHM** **Well will be** **215** **feet from nearest unit or lease boundary.**

Operator Name: **CONTINENTAL RESOURCES INC** Telephone: 4052349000; 4052349000; OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
OKLAHOMA CITY, OK 73126-8870

MERLIN DEAN JR. & LILLIAN MAE SCHANTZ
98397 N 2470 ROAD
HYDRO OK 73048

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

	Name	Code	Depth
1	MISSISSIPPI	351MISS	14782
2	MISSISSIPPIAN	359MSSP	14783
3	WOODFORD	319WDFD	15469

Spacing Orders: 136470, 591695, 643870, 643870, 582412

Location Exception Orders: No Exceptions

Increased Density Orders: 727480, 727481, 728989

Pending CD Numbers: 202202456, 202202455

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 29919 Ground Elevation: 1666 **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: 22-38221
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: BED AQUIFER
Pit Location Formation: RUSH SPRINGS

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: BED AQUIFER
Pit Location Formation: RUSH SPRINGS

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: 32 Township: 13N Range: 13W Meridian: IM

County: BLAINE

Spot Location of End Point: SW SW SE SE

Feet From: **SOUTH** 1/4 Section Line: 50

Feet From: **EAST** 1/4 Section Line: 1056

Total Length: 14289

Measured Total Depth: 29919

True Vertical Depth: 17000

End Point Location from Lease,Unit, or Property Line: 50

NOTES:

Category	Description
DEEP SURFACE CASING	[9/21/2022 - GC2] - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	[9/21/2022 - 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 HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; 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 - 727480 (CD2022-002457)	[9/30/2022 - GB7] - (I.O.) 20-13N-13W X643870 1 WELL NO OP. NAMED 08/05/2022
INCREASED DENSITY - 727481 (CD2022-002464)	[9/30/2022 - GB7] - (I.O.) 29-13N-13W X643930 1 WELL NO OP. NAMED 08/05/2022
INCREASED DENSITY - 728989 (CD2022-002468)	[9/30/2022 - GB7] - (I.O.) 32-13N-13W X136470 MISS 1 WELL NO OP. NAMED 10/6/2022
MEMO	[9/21/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING - CD2022-002455	[9/30/2022 - GB7] - (I.O.) 20 & 29 & 32-13N-13W EST MULTIUNIT HORIZONTAL WELL X591695 WDFD 20-13N-13W X643870 MSSP 20-13N-13W X643930 WDFD, MSSP 29-13N-13W X136470 MISS 32-13N-13W X582412 WDFD 32-13N-13W 33% 20-13N-13W 34% 29-13N-13W 33% 32-13N-13W CONTINENTAL RESOURCES, INC. REC. 09/21/2022 (THOMAS)

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.

PENDING - CD2022-002456	[9/30/2022 - GB7] - (I.O.) 20, 29, 32-13N-13W X591695 WDFD 20-13N-13W X643870 MSSP 20-13N-13W X643930 WDFD, MSSP 29-13N-13W X136470 MISS 32-13N-13W X582412 WDFD 32-13N-13W COMPL. INT. (20-13N-13W) NCT 150' FNL, NCT 0' FSL, NCT 660' FEL COMPL. INT. (29-13N-13W) NCT 0' FNL, NCT 0' FSL, NCT 660' FEL COMPL. INT. (32-13N-13W) NCT 0' FNL, NCT 150' FSL, NCT 660' FEL CONTINENTAL RESOURCES, INC REC. 9/21/2022 (THOMAS)
SPACING - 136470	[9/30/2022 - GB7] - (640) 20,29,32-13N-13W EXT 131145 MISS, CSTR, OTHERS EXT OTHERS (VAC BY 643870 FOR MISS, CSTR IN 20-13N-13W) (VAC BY 643930 FOR MISS, CSTR IN 29-13N-13W)
SPACING - 582412	[9/30/2022 - GB7] - (640) 32-13N-13W EST WDFD
SPACING - 591695	[9/30/2022 - GB7] - (640) 20-13N-13W EXT 130882/587717 WDFD, OTHER EST KDRK, OTHERS (VAC BY 643870 FOR KDRK IN 20-13N-13W)
SPACING - 643870	[9/30/2022 - GB7] - (640) 20-13N-13W VAC 136470 CSTR, MISS VAC 591695 KDRK EXT 637475 MSSP
SPACING - 643930	[9/30/2022 - GB7] - (640) 29-13N-13W VAC 136470 MISS, CSTR, OTHERS EXT 637475 MSSP, WDFD, OTHERS

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