

API NUMBER: 011 24267

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

Approval Date: 06/16/2021  
Expiration Date: 12/16/2022

Multi Unit Oil & Gas

## PERMIT TO DRILL

WELL LOCATION: Section: 21 Township: 14N Range: 13W County: BLAINE

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 255 560

Lease Name: EICHELBERGER FIU Well No: 2-21-28XHM Well will be 255 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349000; OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC  
PO BOX 268870  
OKLAHOMA CITY, OK 73126-8870

DAVID NELSON BURNS & SANDRA S. BURNS  
92842 N 2500 RD  
GEARY OK 73040

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

Name	Code	Depth
1 MISSISSIPPIAN (LESS CHESTER)	359MSNLC	13036
2 WOODFORD	319WDFD	13916

Spacing Orders: 656719 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders  
657116

Pending CD Numbers: 202100718 Working interest owners' notified: \*\*\* Special Orders: No Special Orders  
202100715  
202100713  
202100716

Total Depth: 22979 Ground Elevation: 1485 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 150

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: 21-37566

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: ALLUVIAL

Pit Location Formation: ALLUVIUM

### 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: ALLUVIAL

Pit Location Formation: ALLUVIUM

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: 28	Township: 14N	Range: 13W	Meridian: IM	Total Length: 10238
County: BLAINE				Measured Total Depth: 22979
Spot Location of End Point: SW	SE	SW	SE	True Vertical Depth: 14000
Feet From: <b>SOUTH</b>	1/4 Section Line: 50			End Point Location from
Feet From: <b>EAST</b>	1/4 Section Line: 1750			Lease, Unit, or Property Line: 50

## NOTES:

Category	Description
DEEP SURFACE CASING	[6/15/2021 - 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	<p>[6/15/2021 - GC2] - 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 HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
INTERMEDIATE CASING	[6/15/2021 - GC2] - 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
MEMO	[6/15/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202100713	<p>[6/16/2021 - G56] - 21-14N-13W</p> <p>X656719 MSNLC</p> <p>1 WELL</p> <p>NO OP NAMED</p> <p>REC 6/8/2021 (FOREMAN)</p>
PENDING CD - 202100715	<p>[6/16/2021 - G56] - (I.O.) 21 &amp; 28-14N-13W</p> <p>X656719 MSNLC, WDFD 21-14N-13W</p> <p>X657116 MSNLC, WDFD 28-14N-13W</p> <p>X165:10-3-28(C)(2)(B) MSNLC (EICHELBERGER FIU 2-21-28XHM)</p> <p>MAY BE CLOSER THAN 600' TO REAGAN 1-16-21XH</p> <p>COMPL INT (21-14N-13W) NCT 150' FNL, NCT 0' FSL, NCT 1320' FEL</p> <p>COMPL INT (28-14N-13W) NCT 0' FNL, NCT 150' FSL, NCT 1320' FEL</p> <p>NO OP NAME</p> <p>REC 6/8/21 (FOREMAN)</p>
PENDING CD - 202100716	<p>[6/16/2021 - G56] - 28-14N-13W</p> <p>X657716 MSNLC***</p> <p>1 WELL</p> <p>NO OP NAMED</p> <p>REC 6/8/2021 (FOREMAN)</p> <p>*** S/B X657116 MSNLC; WILL BE CORRECTED AT FINAL HEARING PER ATTORNEY FOR OPERATOR;</p>
PENDING CD - 202100718	<p>[6/16/2021 - G56] - (I.O.) 21 &amp; 28-14N-13W</p> <p>EST MULTIUNIT HORIZONTAL WELL</p> <p>X656719 MSNLC, WDFD 21-14N-13W</p> <p>X657116 MSNLC, WDFD 28-14N-13W</p> <p>(WDFD IS ADJACENT CSS TO MSNLC)</p> <p>50% 21-14N-13W</p> <p>50% 28-14N-13W</p> <p>NO OP NAME</p> <p>REC 6/8/21 (FOREMAN)</p>

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.

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.

EXHIBIT: A (1 of 2)  
SHEET: 8.5x11  
SHL: 21-14N-13W  
BHL-2: 28-14N-13W



WELL PAD ID:  
51E8C2FE-4025-BF0F-F8A5-2B0E2BE626E9  
SH-2-ID: R6NGH2G63W

## COVER SHEET

### CONTINENTAL RESOURCES, INC.

P.O. BOX 26900 OKLAHOMA CITY, OK 73126 \* (T) 1-800-256-8955 (F) 405-234-9253

Section 21 Township 14N Range 13W I.M.

EICHELBERGER FIU  
SH-2: 2-21-28XHM

County BLAINE State OK

Operator CONTINENTAL RESOURCES, INC.

#### NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
SH-2	EICHELBERGER FIU 2-21-28XHM	248501	1796028	35° 40' 52.48" -98° 34' 50.64"	35.681245 -98.580734	255' FNL / 560' FEL (NW/4 NE/4 NE/4 SEC 21)	1485.60'	1486.03'
LP-2	LANDING POINT	248504	1795438	35° 40' 52.48" -98° 34' 57.79"	35.681244 -98.582720	255' FNL / 1150' FEL (NE/4 SEC 21)	--	--
BHL-2	BOTTOM HOLE LOCATION	238266	1794760	35° 39' 11.19" -98° 35' 05.26"	35.653108 -98.584795	50' FSL / 1750' FEL (SE/4 SEC 28)	--	--
X-1	BAKER #1	247450	1792587	35° 40' 41.88" -98° 35' 32.27"	35.678301 -98.592297	21-14N-13W:   TD: 10645'   1315' FNL / 1320' FWL	--	--
X-2	HELEN WALKER #1	242159	1795235	35° 39' 49.71" -98° 34' 59.79"	35.663809 -98.583275	28-14N-13W:   TD: 12000'   1320' FNL / 1320' FEL	--	--
X-3	PETTY #1-28	238437	1793993	35° 39' 12.83" -98° 35' 14.57"	35.653563 -98.587380	28-14N-13W:   TD: 12350'   209' FSL / 2520' FEL	--	--
X-4	EICHELBERGER #1-28-21XH	238508	1792832	35° 39' 13.46" -98° 35' 28.63"	35.653738 -98.591287	28-14N-13W:   TD: 23853'   274' FSL / 1649' FWL	--	--

#### NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
SH-2	EICHELBERGER FIU 2-21-28XHM	248476	1827628	35° 40' 52.31" -98° 34' 49.37"	35.681196 -98.580381	255' FNL / 560' FEL (NW/4 NE/4 NE/4 SEC 21)	1485.60'	1486.03'
LP-2	LANDING POINT	248479	1827038	35° 40' 52.30" -98° 34' 56.52"	35.681195 -98.582367	255' FNL / 1150' FEL (NE/4 SEC 21)	--	--
BHL-2	BOTTOM HOLE LOCATION	238241	1826360	35° 39' 11.01" -98° 35' 04.00"	35.653058 -98.584443	50' FSL / 1750' FEL (SE/4 SEC 28)	--	--
X-1	BAKER #1	247425	1824188	35° 40' 41.71" -98° 35' 31.00"	35.678252 -98.591944	21-14N-13W:   TD: 10645'   1315' FNL / 1320' FWL	--	--
X-2	HELEN WALKER #1	242134	1826835	35° 39' 49.53" -98° 34' 58.52"	35.663760 -98.582922	28-14N-13W:   TD: 12000'   1320' FNL / 1320' FEL	--	--
X-3	PETTY #1-28	238412	1825593	35° 39' 12.65" -98° 35' 13.30"	35.653514 -98.587028	28-14N-13W:   TD: 12350'   209' FSL / 2520' FEL	--	--
X-4	EICHELBERGER #1-28-21XH	238483	1824433	35° 39' 13.28" -98° 35' 27.37"	35.653689 -98.590935	28-14N-13W:   TD: 23853'   274' FSL / 1649' FWL	--	--

#### REVISIONS

No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	05-26-21	**--**--21	HDG	ISSUED FOR APPROVAL	--
01	06-01-21	**--**--21	HDG	REV'D LP	REV'D SHEETS A1 & 2

Certificate of Authorization No. 7318



Prepared By:  
Petro Land Services South  
14612 Hertz Quail Springs  
Pkwy.  
Oklahoma City, OK 73134



*Paul A. G.* 6-2-2  
Oklahoma PLS No.1860 DA

June 8, 2021

Oklahoma Corporation Commission  
Oil & Gas Conservation Division  
P.O. Box 52000-2000  
Oklahoma City, OK 73152-2000

RE: Eichelberger FIU 2-21-28XHM  
Sec 21 – 14N – 13N  
Blaine Co., Oklahoma

Continental Resources, Inc., (CRI) requests an exception to Rule 165:10-3-4; requirement to set a 250' string of surface casing be waived and the surface casing to be set at 1500'.

#### REASONS FOR REQUEST

*This request is made in order to isolate the unconsolidated upper formations, guarantee wellbore integrity, aid with pressure control.*

Wells that have been recently drilled in the area have been setting 1500' of surface casing and never had any noticeable lost circulation problems or cementing problems to surface. Additionally, drilling of the surface hole will be done using only fresh water, with periodic gelled fresh water sweeps for hole cleaning. CRI does not anticipate any significant damage that could be done to aquifers even if lost circulation should be encountered, though certainly this is not expected.

Surface hole will be drilled with fresh water native mud, with periodic gelled fresh water flushed as required for hole cleaning and to run casing.

Pump output and return will be monitored closely to detect losses.

Normal drilling time for 17 1/2" hole proposed surface depth is estimated 18-24 hrs and pipe shall be in place and cemented about 12 hrs thereafter.

An adequate supply of organic lost circulation material (fiber and hulls) will be available at well site in case minor or serious lost circulation should occur in drilling of surface hole. Will notify district office immediately if lost circulation occurs.

There is no known lost circulation in the 8 sections surrounding the proposed location.

Should severe zone of lost circulation be encountered, drilled portion of hole would be carefully enlarged to 200' (minimum required) depth or below and large casing would be run and cemented in stages required to cement completely to surface before drilling further.

Our anticipated casing and cementing prognosis is as follows:

Run 13 3/8" casing as follows:

Single Shoe

+/- 40' 13 3/8", 54.5#, J-55, STC csg

Insert Float

+/- 1460' 13 3/8", 54.5#, J-55, STC csg

Mix and pump 800 sx Cement Mix + 3% calcium chloride + 1/4 #/sx celloflake, mixed @ 16 ppg, 1.18 yld.

Your consideration of our request that the 200' setting depth be extended to 1500' is appreciated. If you need any additional information on this matter, please contact me at the letterhead address.

Sincerely,

*Christi Scritchfield*

Christi Scritchfield  
Regulatory Compliance Specialist

Eichelberger FIU 2-21-28XHM  
H&P 547  
Blaine County, OK  
Meramec  
AFE #:

SHL: 255' FNL 560' FEL  
21 - 14N - 13W  
BHL: 50' FSL 1750' FEL  
28 - 14N - 13W

GL: 1475'  
KB: 30'  
RKB: 1505'

