

API NUMBER: 137 27604 A

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: 15 Township: 2N Range: 4W County: STEPHENS

SPOT LOCATION: ☐ NW ☐ NE ☐ SE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 1630 445

Lease Name: VANARKEL Well No: 9-15-10XHS Well will be 445 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

PUMPING UNIT SERVICE INC

PO BOX 712

LINDSAY OK 73052

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

Name	Code	Depth
1 SPRINGER	401SPRG	11083

Spacing Orders: 131585  
601726  
710048

Location Exception Orders: 710049  
720984  
724095

Increased Density Orders: 709750  
720948  
724092

Pending CD Numbers: No Pending

Working interest owners' notified: \*\*\*

Special Orders: No Special

Total Depth: 20238

Ground Elevation: 1163

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 560

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: 20-37253

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: BED AQUIFER

Pit Location Formation: DUNCAN

**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: DUNCAN

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: 10	Township: 2N	Range: 4W	Meridian: IM	Total Length: 7150
County: STEPHENS				Measured Total Depth: 20238
Spot Location of End Point: N2 NE NE NE				True Vertical Depth: 12590
Feet From: <b>NORTH</b>		1/4 Section Line: 30		End Point Location from
Feet From: <b>EAST</b>		1/4 Section Line: 330		Lease, Unit, or Property Line: 30

**NOTES:**

Category	Description
DEEP SURFACE CASING	[12/6/2022 - 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	[12/6/2022 - 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: <a href="https://oklahoma.gov/occ/divisions/oil-gas/ogcd-forms">HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS</a> ; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
INCREASED DENSITY - 709750	[12/8/2022 - GB1] - 15-2N-4W X601726 SPRG 4 WELLS CONTINENTAL RESOURCES, INC 3/11/2020
INCREASED DENSITY - 720948	[12/8/2022 - GB1] - EXT OF TIME FOR ORDER # 709750 UNTIL 3/11/2022
INCREASED DENSITY - 724092	[12/8/2022 - GB1] - EXT OF TIME FOR ORDER # 709750 UNTIL 3/11/2023
LOCATION EXCEPTION - 710049	[12/8/2022 - GB1] - (I.O.) 15 & 10-2N-4W X601726 SPRG 15-2N-4W X131585 SPRG 10-2N-4W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING AND/OR PROPOSED WELLBORE COMPL INT (15-2N-4W) NCT 1320' FSL, NCT 0' FNL, NCT 330' FEL COMPL INT (10-2N-4W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CONTINENTAL RESOURCES, INC 3/18/2020
LOCATION EXCEPTION - 720984	[12/9/2022 - GB1] - EXT OF TIME FOR ORDER # 710049 UNTIL 3/18/2022
LOCATION EXCEPTION - 724095	[12/9/2022 - GB1] - EXT OF TIME FOR ORDER #710049 UNTIL 3/18/2023
MEMO	[12/6/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 131585	[12/8/2022 - GB1] - (640) 10-2N-4W EST SPRG, OTHERS
SPACING - 601726	[12/8/2022 - GB1] - (640) 15-2N-4W EXT 131585 SPRG, OTHERS EXT OTHERS
SPACING - 710048	[12/8/2022 - GB1] - (I.O.) 15 & 10-2N-4W EST MULTIUNIT HORIZONTAL WELL X601726 SPRG 15-2N-4W X131585 SPRG 10-2N-4W 33% 15-2N-4W 67% 10-2N-4W NO OP NAMED CONTINENTAL RESOURCES, INC 3/18/2020