

API NUMBER: 137 27481 B

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

Approval Date: 01/08/2020

Expiration Date: 07/08/2021

Multi Unit Oil & Gas

Amend reason: CHANGE BOTTOM HOLE LOCATION

**AMEND PERMIT TO DRILL**

WELL LOCATION: Section: 35 Township: 2S Range: 4W County: STEPHENS

SPOT LOCATION: SE SE NE SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 1349 250

Lease Name: TOMANEY Well No: 1-35-34-27XHW Well will be 250 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 269000  
OKLAHOMA CITY, OK 73126-9000

HURST RANCH, LLC  
303044 E 1850 ROAD  
LOCO OK 73442

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	12431
2	SYCAMORE	352SCMR	12846
3	WOODFORD	319WDFD	13605

Spacing Orders: 612102  
644294  
643830  
613253  
708072

Location Exception Orders: 708068

Increased Density Orders: 708167  
708168

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 19329 Ground Elevation: 1046

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 640

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: 16-31893  
H. SEE MEMO

**PIT 1 INFORMATION**

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2000

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: GARBER

**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: GARBER

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: 27	Township: 2S	Range: 4W	Total Length: 7356	
County: STEPHENS			Measured Total Depth: 20961	
Spot Location of End Point: N2	SW	NW	SW	True Vertical Depth: 13798
Feet From: <b>SOUTH</b>	1/4 Section Line: 1897		End Point Location from	
Feet From: <b>WEST</b>	1/4 Section Line: 330		Lease, Unit, or Property Line: 330	

NOTES:	
Category	Description
DEEP SURFACE CASING	12/16/2019 - G71 - 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	12/16/2019 - G71 - OCC 165:10-3-10 REQUIRES:  1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;  2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a> ; AND,  3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
INCREASED DENSITY - 708167 (201905727)	3/16/2020 - GB1 - 34-2S-4W X612102 WDFD 1 WELL NO OP. NAMED 1/29/2020
INCREASED DENSITY - 708168 (201905729)	3/16/2020 - GB1 - 27-2S-4W X613253 WDFD 1 WELL NO OP. NAMED 1/29/2020
LOCATION EXCEPTION - 708068 (201905726)	3/16/2020 - GB1 - (I.O.) 35, 34, & 27-2S-4W X643830 MSSP, WDFD, OTHER 35-2S-4W X612102 WDFD, OTHER 34-2S-4W X644294 MSSP 34-2S-4W X613253 SCMR, WDFD, OTHER 27-2S-4W X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO HATCHETT 1-27H SHL (35-2S-4W) 1320' FSL, 250' FEL COMPL. INT. (35-2S-4W) NCT 1320' FSL, NCT 330' FEL, NCT 330' FNL, NCT 0' FWL COMPL. INT. (34-2S-4W) NCT 330' FNL, NCT 0' FEL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (27-2S-4W) NCT 0' FSL, NCT 330' FEL, NCT 660' FSL, NCT 330' FWL CONTINENTAL RESOURCES, INC 1/28/2020
MEMO	12/16/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 612102	12/26/2019 - GB1 - (640) 34-2S-4W EST MYES, OTHERS EXT 582226 CNEY, SCMR, WDFD, OTHERS (VAC CNEY, MYES, SCMR BY 644294)
SPACING - 613253	12/26/2019 - GB1 - (640) 27-2S-4W EST SCMR, WDFD, OTHERS
SPACING - 643830	12/26/2019 - GB1 - (640) 35-2S-4W EXT (VERT) 612102 WDFD, OTHERS EST (HOR) MSSP COMPL. INT (MSSP) NCT 660' FB
SPACING - 644294	12/26/2019 - GB1 - (640) 34-2S-4W VAC 612102 CNEY, MYES, SCMR EST MSSP

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SPACING - 708072 (201905829)

3/16/2020 - GB1 - (I.O.) 35, 34, & 27-2S-4W  
EST MULTIUNIT HORIZONTAL WELL  
X643830 MSSP, WDFD, OTHER 35-2S-4W  
X612102 WDFD, OTHER 34-2S-4W  
X644294 MSSP 34-2S-4W  
X613253 SCMR, WDFD, OTHER 27-2S-4W  
(SCMR, MSSP ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)  
58% 35-2S-4W  
20% 34-2S-4W  
22% 27-2S-4W  
NO OP. NAMED  
1/28/2020