

API NUMBER: 085 21315 A

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

Approval Date: 02/12/2020
Expiration Date: 08/12/2021

Multi Unit Oil & Gas

Amend reason: CHANGE WELL NAME, BHL, UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 15 Township: 6S Range: 2W County: LOVE

SPOT LOCATION: ☐ SE ☐ NE ☐ SE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 1865 265

Lease Name: AURORA Well No: 1-15-10XHW Well will be 265 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

DANNY K. & SHARON GRAY
2492 MORGAN ROAD
OVERBROOK OK 73453

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	8765
2	WOODFORD	319WDFD	9490
3	HUNTON	269HNTN	9745

Spacing Orders: 708260 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders
708259

Pending CD Numbers: 201905691
201905690
202000014
Special Orders: No Special Orders

Total Depth: 18338 Ground Elevation: 878 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 490

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: 20-37220
H. 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: OSCAR

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: OSCAR

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: 6S	Range: 2W	Total Length: 7057	
County: LOVE			Measured Total Depth: 18338	
Spot Location of End Point: N2	NE	NE	NE	True Vertical Depth: 10054
Feet From: NORTH	1/4 Section Line: 50		End Point Location from	
Feet From: EAST	1/4 Section Line: 330		Lease, Unit, or Property Line: 330	

NOTES:	
Category	Description
DEEP SURFACE CASING	1/24/2020 - 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	1/24/2020 - 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: OCCWEB.COM/OG/OGFORMS.HTML ; 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: FRACFOCUS.ORG
MEMO	1/24/2020 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201905690	6/24/2020 - GB1 - (I.O.) 3, 10 & 15-6S-2W EST MULTIUNIT HORIZONTAL UNIT X201905689 MSSP, WDFD, HNTN 3-6S-2W X708260 MSSP, WDFD, HNTN 10-6S-2W X708259 MSSP, WDFD, HNTN 15-6S-2W (MSSP, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 15% 15-6S-2W *** 50% 10-6S-2W *** 35% 3-6S-2W *** CONTINENTAL RESOURCES, INC REC 4/7/2020 (THOMAS) *** S/B 33% 15-6S-2W, 67% 10-6S-2W WILL BE CORRECTED ON FINAL ORDER PER ATTORNEY FOR OPR; ONLY DRILLING SECTION 15 AND 10; NOT SECTION 3
PENDING CD - 201905691	6/24/2020 - GB1 - (I.O.) 3, 10 & 15-6S-2W X201905689 MSSP, WDFD, HNTN 3-6S-2W X708260 MSSP, WDFD, HNTN 10-6S-2W X708259 MSSP, WDFD, HNTN 15-6S-2W COMPL INT (15-6S-2W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL INT (10-6S-2W) NCT 0' FSL, NCT 0' FNL, NCT 330' FEL COMPL INT (3-6S-2W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CONTINENTAL RESOURCES, INC REC 4/7/2020 (THOMAS) ++ COMPLETION INTERVAL CHANGED TO BE SECTION 15 AND 10 ONLY PER ATTORNEY FOR OPR AT HEARING
PENDING CD - 202000014	6/24/2020 - GB1 - (I.O.) 3, 10, & 15-6S-2W X165:10-3-28(C)(2)(B) MSSP, WDFD, HNTN (AURORA 1-15-10-3XHW) MAY BE CLOSER THAN 600' TO MORGAN 1-10 CONTINENTAL RESOURCES, INC REC 2/10/2020 (DENTON) ++ SECTION 3 WAS REMOVED FROM APPLICATION PER ATTORNEY FOR OPR AT HEARING
SECTION 3	6/24/2020 - GB1 - REMOVED SECTION 3-6S-2W PER OPR
SPACING - 708259	2/12/2020 - GB1 - (640) 15-6S-2W VAC 198085 HNTN VAC 243216 CNEY, SCMR NW4 S2 EST MSSP, WDFD, HNTN

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.

SPACING - 708260

2/12/2020 - GB1 - (640) 10-6S-2W
VAC 260009 CMNL, BDRC, WFDCT, SCMR NW4
VAC 49904 CMNL, WFDCT NE4
VAC 54823 SCMR NE4
VAC 286188 WFDCT, SCMR S2
EST MSSP, WDFD, HNTN

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.

085 21315 AURORA 1-15-10XHW

EXHIBIT: A (1 of 2)
SHEET: 8.5x14
SHL: 15-6S-2W
BHL-1 10-6S-2W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 15 Township 6S Range 2W I.M. Well: AURORA 1-15-10XHW
County LOVE State OK Well: --
Operator CONTINENTAL RESOURCES, INC.

NAD-83						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
W1	AURORA 1-15-10XHW	256627	2153928	34° 02' 13.05" -97° 23' 18.58"	34.036958 -97.387943	1865' FNL / 285' FEL (NE/4 SEC 15)	876.71' 878.23'
LP-1	LANDING POINT	256626	2153864	34° 02' 13.04" -97° 23' 17.36"	34.036957 -97.388156	1865' FNL / 330' FEL (NE/4 SEC 15)	-- --
BHL-1	BOTTOM HOLE LOCATION	263722	2153824	34° 03' 23.24" -97° 23' 17.33"	34.056455 -97.388149	50' FNL / 330' FEL (NE/4 SEC 10)	-- --
X-9	MORGAN #10-1	263110	2153501	34° 03' 17.20" -97° 23' 21.22"	34.054779 -97.389227	10-6S-2W: TD: 11,945' 658' FNL / 656' FEL	-- --
X-10	FISHER-GILES #1-10	260791	2152522	34° 02' 54.32" -97° 23' 33.01"	34.048423 -97.392504	10-6S-2W: TD: 8,800' 2,310' FSL / 1,646' FEL	-- --

NAD-27						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
W1	AURORA 1-15-10XHW	256585	2185523	34° 02' 12.70" -97° 23' 15.52"	34.036861 -97.387846	1865' FNL / 285' FEL (NE/4 SEC 15)	876.71' 878.23'
LP-1	LANDING POINT	256584	2185459	34° 02' 12.69" -97° 23' 16.28"	34.036859 -97.387859	1865' FNL / 330' FEL (NE/4 SEC 15)	-- --
BHL-1	BOTTOM HOLE LOCATION	263679	2185418	34° 03' 22.89" -97° 23' 16.28"	34.058358 -97.387851	50' FNL / 330' FEL (NE/4 SEC 10)	-- --
X-9	MORGAN #10-1	263067	2185095	34° 03' 18.85" -97° 23' 20.15"	34.054682 -97.388930	10-6S-2W: TD: 11,945' 658' FNL / 656' FEL	-- --
X-10	FISHER-GILES #1-10	260746	2184118	34° 02' 53.97" -97° 23' 31.94"	34.048326 -97.392207	10-6S-2W: TD: 8,800' 2,310' FSL / 1,646' FEL	-- --

Certificate of Authorization No. 7318



Prepared By:
Petro Land Services South
10400 Vineyard Blvd.
Suite C
Oklahoma City, OK 73120

REVISIONS

No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	12-11-19	12-19-19	HOG	ISSUED FOR APPROVAL	--
01	6-19-20	12-19-19	HOG	REMOVED SECTION 3	REV'D ALL SHEETS

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 15-6S-2W
BHL-1 10-6S-2W

PETRO LAND SERVICES SOUTH, LLC

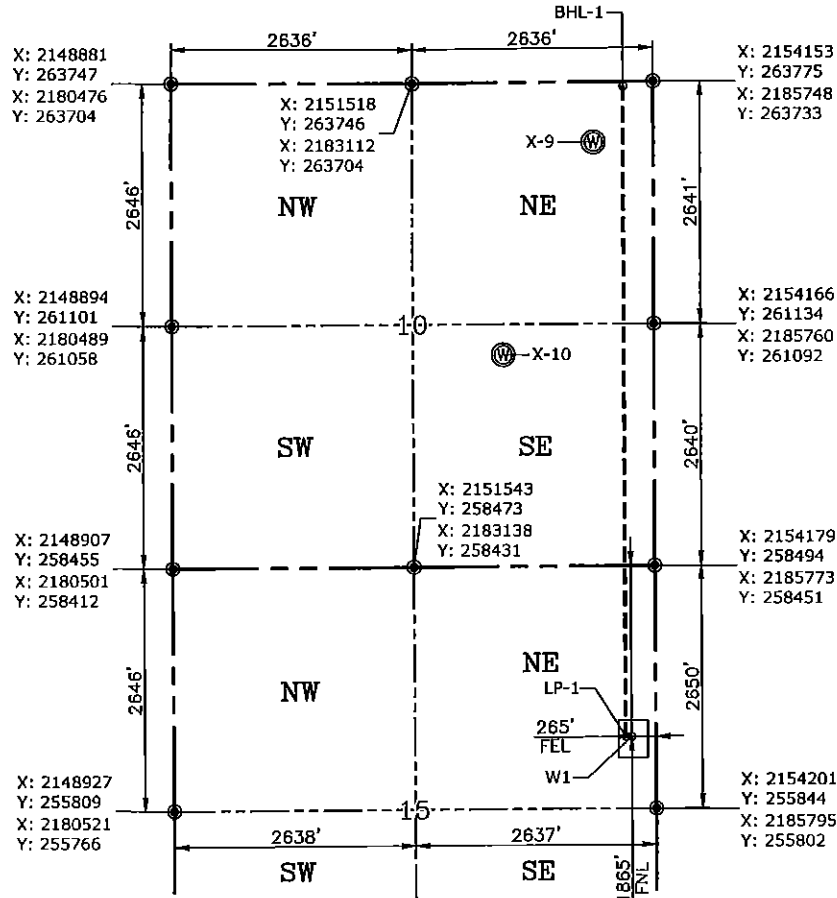
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC
(OPERATOR)

LOVE County Oklahoma
1865' FNL--265' FEL Section 15 Township 6S Range 2W I.M.

WELL: AURORA 1-15-10XHW



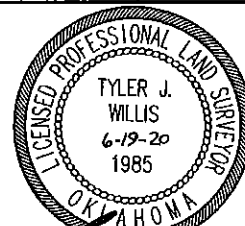
CURRENT REV.: 1

Date Drawn: 6-19-20

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact PLS promptly if any inconsistency is determined. GPS data is observed from RTK-GPS. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true Boundary Survey.

CERTIFICATE:

I, TYLER J. WILLIS, an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.



Tyler J. Willis

Oklahoma PLS No.1985 DATE