

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

API NUMBER: 051 24694 A

Approval Date: 08/15/2019
Expiration Date: 02/15/2021

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: CHANGE BHL & UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 7N Rge: 5W County: GRADY
SPOT LOCATION: SW NE NW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2204 820

Lease Name: Z 21 Well No: 2-17-8XHW Well will be 820 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349 OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

MCCLAIN COUNTY LAND COMPANY, LLC
P.O. BOX 188
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11543	6	
2	WOODFORD	11793	7	
3	HUNTON	11925	8	
4			9	
5			10	

Spacing Orders: 632237 Location Exception Orders: 703478 Increased Density Orders: 702803
180987 702804
643068
702872

Pending CD Numbers:

Special Orders:

Total Depth: 19601 Ground Elevation: 1263 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 220

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36844

H. SEE MEMO

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.

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

HORIZONTAL HOLE 1

Sec 08 Twp 7N Rge 5W County GRADY

Spot Location of End Point: N2 NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 11023

Radius of Turn: 488

Direction: 10

Total Length: 7812

Measured Total Depth: 19601

True Vertical Depth: 11925

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

Notes:

Category

Description

DEEP SURFACE CASING

7/29/2019 - 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

7/29/2019 - 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: OCCEWEB.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

INCREASED DENSITY - 702803 (201903760)

12/4/2019 - GC2 - 17-7N-5W
X632237 WDFD
7 WELLS
CONTINENTAL RESOURCES, INC
11-25-2019

INCREASED DENSITY - 702804 (201903761)

12/4/2019 - GC2 - 8-7N-5W
X643068 WDFD
3 WELLS
CONTINENTAL RESOURCES, INC
11-25-2019

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.

LOCATION EXCEPTION - 703478 (201903763)	12/4/2019 - GC2 - (I.O) 17 & 8-7N-5W X632237 WDFD, MSSP, HNTN 17-7N-5W X180987 HNTN 8-7N-5W X643068 WDFD, MSSP 8-7N-5W X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO ROBERTS 1H-05, LAMBRECHT 1H-20X, LAMBRECHT 3-17-20XHW, LAMBRECHT 4-17-20XHW COMPL. INT. (17-7N-5W) NCT 1,320' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (8-7N-5W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL CONTINENTAL RESOURCES, INC. 10-9-2019
MEMO	7/29/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 180987	8/14/2019 - GC2 - (640) 8-7N-5W EXT 163257 MSSLM, HNTN, OTHERS (VAC MSSLM BY 643068)
SPACING - 632237	8/14/2019 - GC2 - (640) 17-7N-5W VAC 94214/VAR/185876 MSSLM, OTHERS EXT (VERT) 171224/202656/621966 MSSP, HNTN, OTHERS EST (VERT) OTHERS EST (HOR) WDFD, OTHER COMPL. INT. (WDFD) NCT 330' FB
SPACING - 643068	8/14/2019 - GC2 - (640)(HOR) 8-7N-5W VAC 180987 MSSLM EXT 632237 WDFD EST MSSP, OTHERS COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL
SPACING - 702872 (201903762)	12/4/2019 - GC2 - (I.O) 17 & 8-7N-5W EST MULTIUNIT HORIZONTAL WELL X632237 WDFD, HNTN, MSSP 17-7N-5W X643068 WDFD, MSSP 8-7N-5W X180987 HNTN 8-7N-5W (MSSP & HNTN ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 33% 17-7N-5W 67% 8-7N-5W CONTINENTAL RESOURCES, INC 11-26-2019

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 3)
 SHEET: 8.5x14
 SHL: 17-7N-5W
 BHL-3 20-7N-5W
 BHL-2 8-7N-5W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 17 Township 7N Range 5W I.M. Well: LAMBRECHT 3-17-20XHW
 County GRADY State OK Well: Z 21 2-17-8XHW
 Operator CONTINENTAL RESOURCES, INC.

NAD-83						EXISTING ELEVATION	DESIGN ELEVATION	
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W2	Z 21 2-17-8XHW	635471	2041498	35° 04' 45.23" -97° 45' 21.70"	35.079232 -97.758027	2204' FSL / 820' FWL (SW/4 SEC 17)	1261.19'	1263.28'
LP-2	LANDING POINT	635475	2041997	35° 04' 45.26" -97° 45' 15.89"	35.079239 -97.754357	2204' FSL / 1320' FWL (SW/4 SEC 17)	--	--
PI-2	POINT OF INTERSECT	638556	2041995	35° 05' 15.74" -97° 45' 15.82"	35.087705 -97.754338	0' FNL / 1320' FWL (NW/4 SEC 17)	--	--
BHL-2	BOTTOM HOLE LOCATION	643794	2042533	35° 06' 07.53" -97° 45' 09.00"	35.102092 -97.752499	50' FNL / 1870' FWL (NW/4 SEC 8)	--	--
W3	LAMBRECHT 3-17-20XHW	635443	2041486	35° 04' 44.96" -97° 45' 21.84"	35.079158 -97.758085	2176' FSL / 806' FWL (SW/4 SEC 17)	1261.65'	1263.28'
LP-3	LANDING POINT	635448	2042228	35° 04' 44.99" -97° 45' 12.91"	35.079185 -97.753585	2176' FSL / 1551' FWL (SW/4 SEC 17)	--	--
BHL-3	BOTTOM HOLE LOCATION	628035	2042221	35° 03' 31.87" -97° 45' 13.21"	35.058797 -97.753670	50' FSL / 1551' FWL (SW/4 SEC 20)	--	--
X-1	YATES #1-8	643142	2042089	35° 06' 01.10" -97° 45' 14.38"	35.100305 -97.753989	8-7N-5W: TD: 10,800' 700' FNL / 1,425' FWL	--	--
X-2	FORBES "A" #1	634591	2041998	35° 04' 36.52" -97° 45' 15.70"	35.078811 -97.754362	17-7N-5W: TD: 7,400' 1,320' FSL / 1,320' FWL	--	--
X-3	WINBURN #1-17	637913	2045295	35° 05' 09.30" -97° 44' 35.94"	35.085916 -97.743316	17-7N-5W: TD: 10,800' 661' FNL / 658' FEL	--	--
X-4	Z 21 #1-17-8XH	633682	2040683	35° 04' 27.36" -97° 45' 31.55"	35.074266 -97.758783	17-7N-5W: TD: 19,862' 400' FSL / 5' FWL	--	--
X-5	YATES SWD #1-17	638058	2042492	35° 05' 10.80" -97° 45' 09.68"	35.084333 -97.752663	17-7N-5W: TD: 9,000' 501' FNL / 1,816' FWL	--	--
X-6	SMBS (FORCE "A" #1)	628485	2042816	35° 03' 36.11" -97° 45' 08.05"	35.060030 -97.751680	20-7N-5W: TD: 7,370' 495' FNL / 2,145' FWL	--	--
X-7	WINBURN #1-20	629963	2041993	35° 03' 50.75" -97° 45' 15.90"	35.064096 -97.754417	20-7N-5W: TD: 11,120' 1,980' FSL / 1,320' FWL	--	--

NAD-27						EXISTING ELEVATION	DESIGN ELEVATION	
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W2	Z 21 2-17-8XHW	635429	2073095	35° 04' 45.00" -97° 45' 20.55"	35.079165 -97.757079	2204' FSL / 820' FWL (SW/4 SEC 17)	1261.19'	1263.28'
LP-2	LANDING POINT	635433	2073594	35° 04' 45.02" -97° 45' 14.54"	35.079173 -97.754039	2204' FSL / 1320' FWL (SW/4 SEC 17)	--	--
PI-2	POINT OF INTERSECT	638514	2073592	35° 05' 15.50" -97° 45' 14.47"	35.087639 -97.754020	0' FNL / 1320' FWL (NW/4 SEC 17)	--	--
BHL-2	BOTTOM HOLE LOCATION	643752	2074130	35° 06' 07.29" -97° 45' 07.85"	35.102026 -97.752181	50' FNL / 1870' FWL (NW/4 SEC 8)	--	--
W3	LAMBRECHT 3-17-20XHW	635401	2073083	35° 04' 44.72" -97° 45' 20.69"	35.079089 -97.756747	2176' FSL / 809' FWL (SW/4 SEC 17)	1261.65'	1263.28'
LP-3	LANDING POINT	635406	2073825	35° 04' 44.76" -97° 45' 11.76"	35.079099 -97.753267	2176' FSL / 1551' FWL (SW/4 SEC 17)	--	--
BHL-3	BOTTOM HOLE LOCATION	627993	2073818	35° 03' 31.43" -97° 45' 12.07"	35.058730 -97.753352	50' FSL / 1551' FWL (SW/4 SEC 20)	--	--
X-1	YATES #1-8	643100	2073688	35° 06' 00.86" -97° 45' 13.22"	35.100239 -97.753671	8-7N-5W: TD: 10,800' 700' FNL / 1,425' FWL	--	--
X-2	FORBES "A" #1	634549	2073595	35° 04' 36.28" -97° 45' 14.56"	35.076744 -97.754044	17-7N-5W: TD: 7,400' 1,320' FSL / 1,320' FWL	--	--
X-3	WINBURN #1-17	637871	2076892	35° 05' 09.06" -97° 44' 34.79"	35.085849 -97.742998	17-7N-5W: TD: 10,800' 661' FNL / 658' FEL	--	--
X-4	Z 21 #1-17-8XH	633619	2072280	35° 04' 27.12" -97° 45' 30.40"	35.074200 -97.758445	17-7N-5W: TD: 19,862' 400' FSL / 5' FWL	--	--
X-5	YATES SWD #1-17	638016	2074089	35° 05' 10.56" -97° 45' 08.52"	35.086267 -97.752365	17-7N-5W: TD: 9,000' 501' FNL / 1,816' FWL	--	--
X-6	SMBS (FORCE "A" #1)	628443	2074413	35° 03' 35.87" -97° 45' 04.90"	35.059964 -97.751362	20-7N-5W: TD: 7,370' 495' FNL / 2,145' FWL	--	--
X-7	WINBURN #1-20	629921	2073590	35° 03' 50.51" -97° 45' 14.76"	35.064029 -97.754099	20-7N-5W: TD: 11,120' 1,980' FSL / 1,320' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 6-16-19
 Date Drawn: 11-13-19



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	6-21-19	HGD	ISSUED FOR APPROVAL	--
01	8-8-19	HGD	REV'D Z 21 WELL NAME	REV'D ALL EXHIBITS
02	11-13-19	HGD	REV'D BHL/ADDED PI-2	REV'D EXHIBITS A1 & A3

EXHIBIT: A (3 of 3)
 SHEET: 8.5x14
 SHL: 17-7N-5W
 BHL-2 8-7N-5W

PETRO LAND SERVICES SOUTH, LLC

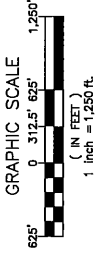
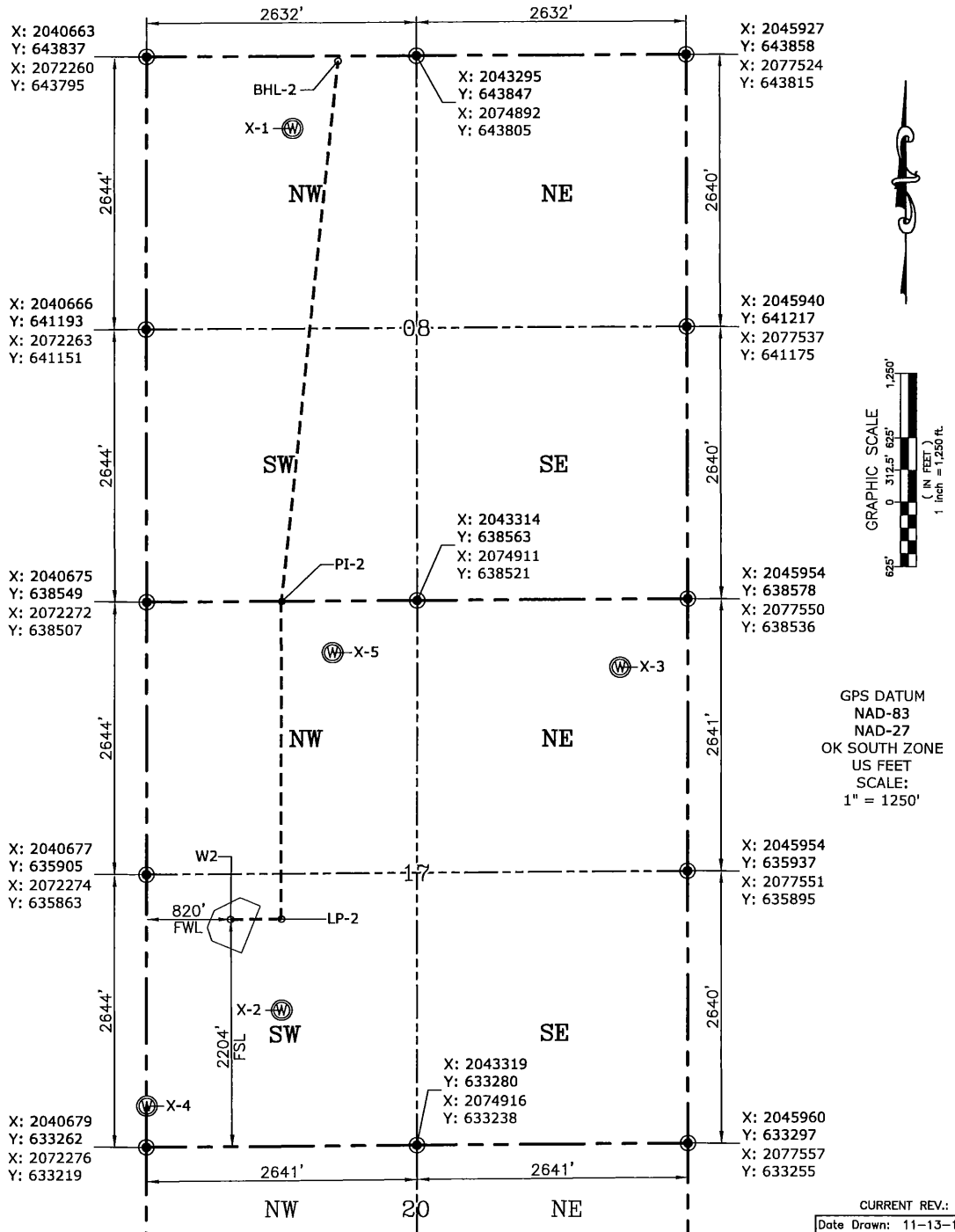
10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
 Certificate of Authorization No. 7318



CONTINENTAL
 RESOURCES, INC
 (OPERATOR)

GRADY County Oklahoma
 2204' FSL-820' FWL Section 17 Township 7N Range 5W I.M.

WELL: Z 21 2-17-8XHW

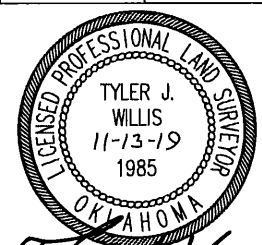


GPS DATUM
 NAD-83
 NAD-27
 OK SOUTH ZONE
 US FEET
 SCALE:
 1" = 1250'

CURRENT REV.: 2
 Date Drawn: 11-13-19

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