

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

API NUMBER: 051 24483

Approval Date: 09/20/2018

Expiration Date: 03/20/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 7N Rge: 5W

County: GRADY

SPOT LOCATION: S2 N2 S2 SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 705 1320

Lease Name: DYER

Well No: 5-30-31XHW

Well will be 705 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

LAWRENCE RAY NABORS & REGINA FAY NABORS  
PO BOX 1452  
CHICKASHA OK 73023

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	12073	6	
2	MISSISSIPPIAN	12148	7	
3	WOODFORD	12158	8	
4	HUNTON	12308	9	
5			10	

Spacing Orders: 150355  
151109  
593293  
160704  
632963

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806195  
201806194  
201806256  
201806257

Special Orders:

Total Depth: 23210

Ground Elevation: 1228

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 170

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: 18-35177

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX 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 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 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

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 31 Twp 7N Rge 5W County GRADY

Spot Location of End Point: S2 S2 S2 SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 12009

Radius of Turn: 477

Direction: 180

Total Length: 10462

Measured Total Depth: 23210

True Vertical Depth: 12387

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

9/5/2018 - 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

This permit does not address the right of entry or settlement of surface damages.

051 24483 DYER 5-30-31XHW

The duration of this permit is SIX 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.

Category	Description
HYDRAULIC FRACTURING	<p>9/5/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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></p>
MEMO	<p>9/5/2018 - G71 - PITS 1 &amp; 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PENDING CD - 201806194	<p>9/20/2018 - G58 - (I.O.) 30 &amp; 31-7N-5W  X160704 HNTN 30-7N-5W  X632963 MSSP, WDFD 30-7N-5W  X150355 HNTN 31-7N-5W  X151109 MSSLM 31-7N-5W  X593293 WDFD 31-7N-5W  SHL NCT 50' FSL, NCT 660' FEL OF 19-7N-5W  COMPL. INT. 30-7N-5W NCT 150' FNL, NCT 0' FSL, NCT 660' FEL  COMPL. INT. 31-7N-5W NCT 0' FNL, NCT 150' FSL, NCT 660' FEL  NO OP. NAMED  REC 8/27/2018 (MILLER)</p>
PENDING CD - 201806195	<p>9/20/2018 - G58 - (I.O.) 30 &amp; 31-7N-5W  EST MULTIUNIT HORIZONTAL WELL  X160704 HNTN 30-7N-5W  X632963 MSSP, WDFD 30-7N-5W  X150355 HNTN 31-7N-5W  X151109 MSSLM 31-7N-5W  X593293 WDFD 31-7N-5W  (MSSP, MSSLM, HNTN ARE ADJACENT COMMON SOURCE OF SUPPLY TO WDFD)  50% 30-7N-5W  50% 31-7N-5W  NO OP. NAMED  REC 8/27/2018 (MILLER)</p>
PENDING CD - 201806256	<p>9/20/2018 - G58 - 30-7N-5W  X632963 WDFD  4 WELLS  NO OP. NAMED  REC 8/27/2018 (MILLER)</p>
PENDING CD - 201806257	<p>9/20/2018 - G58 - 31-7N-5W  X593293 WDFD  4 WELLS  NO OP. NAMED  REC 8/27/2018 (MILLER)</p>
SPACING - 150355	<p>9/20/2018 - G58 - (640) 31-7N-5W  VAC OTHER  EXT OTHERS  EST OTHERS  EXT 131103 HNTN, OTHERS</p>
SPACING - 151109	<p>9/20/2018 - G58 - (640) 30 &amp; 31-7N-5W  EXT OTHER  EST MSSLM, OTHERS (VAC SEC 30 BY 632963)</p>
SPACING - 160704	<p>9/20/2018 - G58 - (640) 30-7N-5W  EXT 106361 HNTN</p>
SPACING - 593293	<p>9/20/2018 - G58 - (640) 31-7N-5W  EXT 587938 WDFD, OTHERS</p>
SPACING - 632963	<p>9/20/2018 - G58 - (640) 30-7N-5W  VAC 151109 MSSLM  EXT 587938/593293 MSSP, WDFD, OTHER</p>

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The duration of this permit is SIX 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: 8.5x14SHL: 19-7N-5WBHL-5 31-7N-5W

## COVER SHEET

## CONTINENTAL RESOURCES, INC.

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

Section 19 Township 7N Range 5W I.M.Well: DYER 5-30-31XHW 051-24483County GRADY State OKWell: ----Operator CONTINENTAL RESOURCES, INC.

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W5	DYER 5-30-31XHW	628675	2039351	35° 03' 38.06" -97° 45' 47.72"	35.060574 -97.763255	705' FSL / 1320' FEL (SE/4 SEC 19)	1228.46'	1227.74'
LP-5	LANDING POINT	627920	2039350	35° 03' 30.60" -97° 45' 47.75"	35.058500 -97.763264	50' FNL / 1320' FEL (NE/4 SEC 30)	--	--
BHL-5	BOTTOM HOLE LOCATION	617468	2039353	35° 01' 47.22" -97° 45' 48.01"	35.029784 -97.763336	50' FSL / 1320' FEL (SE/4 SEC 31)	--	--
X-1	CANTRELL #1-19	629440	2039262	35° 03' 45.64" -97° 45' 48.77"	35.062677 -97.763547	19-7N-5W:SE4NW4SE4   TD: 11,210'   1,470' FSL / 1,220' FWL	--	--
X-2	TRIPLE H #2-30-31H	628349	2038302	35° 03' 34.87" -97° 46' 00.35"	35.059686 -97.766763	19-7N-5W:NW4SW4SW4SW4   TD: 21,701'   380' FSL / 270' FWL	--	--
X-3	TRIPLE H #3-30-31H	628221	2040011	35° 03' 33.56" -97° 45' 39.79"	35.059322 -97.761053	19-7N-5W:S2S2SE4SW4   TD: 21,771'   250' FSL / 1,980' FWL	--	--
X-4	HOOPER TRUST #1-30	626647	2036438	35° 03' 18.08" -97° 46' 22.81"	35.055022 -97.773003	30-7N-5W:W2E2W2NW3   TD: 11,400'   1,320' FSL / 950' FWL	--	--
X-5	JACQUEZ #1H-18X	625581	2040142	35° 03' 07.45" -97° 45' 38.29"	35.052070 -97.760635	30-7N-5W:NW4NE4NE4NE4   TD: 20,279'   244' FNL / 528' FEL	--	--
X-6	TRIPLE H #1-30H	622942	2035988	35° 02' 41.44" -97° 46' 28.33"	35.044845 -97.774535	30-7N-5W:SE4SW4SW4SW4   TD: 17,293'   257' FSL / 491' FWL	--	--
X-7	JAMES #1H-18X	627647	2036485	35° 03' 27.97" -97° 46' 22.22"	35.057769 -97.772839	30-7N-5W:NE4NE4NW4NW4   TD: 24,035'   320' FNL / 1,000' FWL	--	--
X-8	TRIPLE H #4-30-31HS	627670	2039540	35° 03' 28.12" -97° 45' 45.47"	35.057812 -97.762631	30-7N-5W:NW4NW4NE4NE4   TD: 21,705'   300' FNL / 1,130' FEL	--	--
X-9	TRIPLE H #5-30-31HS	627670	2039570	35° 03' 28.12" -97° 45' 45.11"	35.057812 -97.762531	30-7N-5W:NW4NW4NE4NE4   TD: 21,665'   300' FNL / 1,100' FEL	--	--
X-10	CHAMBERS #1-31	618844	2039290	35° 02' 00.83" -97° 45' 48.73"	35.033564 -97.763536	31-7N-5W:NW4SE4   TD: 7,653'   1,426' FSL / 1,214' FWL	--	--
X-11	DYER #1-31H	617721	2036401	35° 01' 49.79" -97° 46' 23.49"	35.030498 -97.773193	31-7N-5W:SW4SE4SW4SW4   TD: 17,163'   310' FSL / 890' FWL	--	--
X-12	BRIARWOOD SWD #1	621985	2039976	35° 02' 31.89" -97° 45' 40.39"	35.042191 -97.761220	31-7N-5W:NE4NE4   TD: 6,100'   710' FNL / 695' FEL	--	--

NAD-27								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
WS	DYER 5-30-31XHW	628633	2070948	35° 03' 37.82" -97° 45' 46.57"	35.060507 -97.762937	705' FSL / 1320' FEL (SE/4 SEC 19)	1228.46'	1227.74'
LP-5	LANDING POINT	627878	2070947	35° 03' 30.36" -97° 45' 46.61"	35.058433 -97.762947	50' FNL / 1320' FEL (NE/4 SEC 30)	--	--
BHL-5	BOTTOM HOLE LOCATION	617426	2070950	35° 01' 46.98" -97° 45' 46.87"	35.029717 -97.763019	50' FSL / 1320' FEL (SE/4 SEC 31)	--	--
X-1	CANTRELL #1-19	629398	2070859	35° 03' 45.40" -97° 45' 47.63"	35.062610 -97.763229	19-7N-5W:SE4NW4SE4   TD: 11,210'   1,470' FSL / 1,220' FWL	--	--
X-2	TRIPLE H #2-30-31H	628307	2069899	35° 03' 34.63" -97° 45' 59.20"	35.059619 -97.766445	19-7N-5W:NW4SW4SW4SW4   TD: 21,701'   380' FSL / 270' FWL	--	--
X-3	TRIPLE H #3-30-31H	628178	2071608	35° 03' 33.32" -97° 45' 38.65"	35.059255 -97.760736	19-7N-5W:S2S2SE4SW4   TD: 21,771'   250' FSL / 1,980' FWL	--	--
X-4	HOOPER TRUST #1-30	626605	2068035	35° 03' 17.84" -97° 46' 21.66"	35.054955 -97.772685	30-7N-5W:W2E2W2NW3   TD: 11,400'   1,320' FSL / 950' FWL	--	--
X-5	JACQUEZ #1H-18X	625539	2071739	35° 03' 07.21" -97° 45' 37.14"	35.052003 -97.760317	30-7N-5W:NW4NE4NE4NE4   TD: 20,279'   244' FNL / 528' FEL	--	--
X-6	TRIPLE H #1-30H	622900	2067585	35° 02' 41.20" -97° 46' 27.18"	35.044778 -97.774217	30-7N-5W:SE4SW4SW4SW4   TD: 17,293'   257' FSL / 491' FWL	--	--
X-7	JAMES #1H-18X	627605	2068082	35° 03' 27.73" -97° 46' 21.07"	35.057702 -97.772521	30-7N-5W:NE4NE4NW4NW4   TD: 24,035'   320' FNL / 1,000' FWL	--	--
X-8	TRIPLE H #4-30-31HS	627628	2071137	35° 03' 27.88" -97° 45' 44.33"	35.057746 -97.762313	30-7N-5W:NW4NW4NE4NE4   TD: 21,705'   300' FNL / 1,130' FEL	--	--
X-9	TRIPLE H #5-30-31HS	627628	2071167	35° 03' 27.88" -97° 45' 43.97"	35.057746 -97.762213	30-7N-5W:NW4NW4NE4NE4   TD: 21,665'   300' FNL / 1,100' FEL	--	--
X-10	CHAMBERS #1-31	618802	2070887	35° 02' 00.59" -97° 45' 47.59"	35.033497 -97.763218	31-7N-5W:NW4SE4   TD: 7,653'   1,426' FSL / 1,214' FWL	--	--
X-11	DYER #1-31H	617679	2067998	35° 01' 49.55" -97° 46' 22.35"	35.030431 -97.772875	31-7N-5W:SW4SE4SW4SW4   TD: 17,163'   310' FSL / 890' FWL	--	--
X-12	BRIARWOOD SWD #1	621943	2071573	35° 02' 31.65" -97° 45' 39.25"	35.042124 -97.760902	31-7N-5W:NE4NE4   TD: 6,100'   710' FNL / 695' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: \*\*--\*\*--18  
Date Drawn: 08-06-18Prepared By:  
Petro Land Services South  
10400 Vineyard Blvd.  
Suite C  
Oklahoma City, OK 73120

## REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	08-06-18	HOG	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 2)  
SHEET: 8.5x14  
SHL: 19-7N-5W  
BHL-5 31-7N-5W

PETRO LAND SERVICES SOUTH, LLC

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



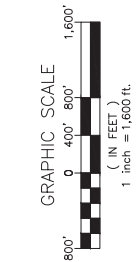
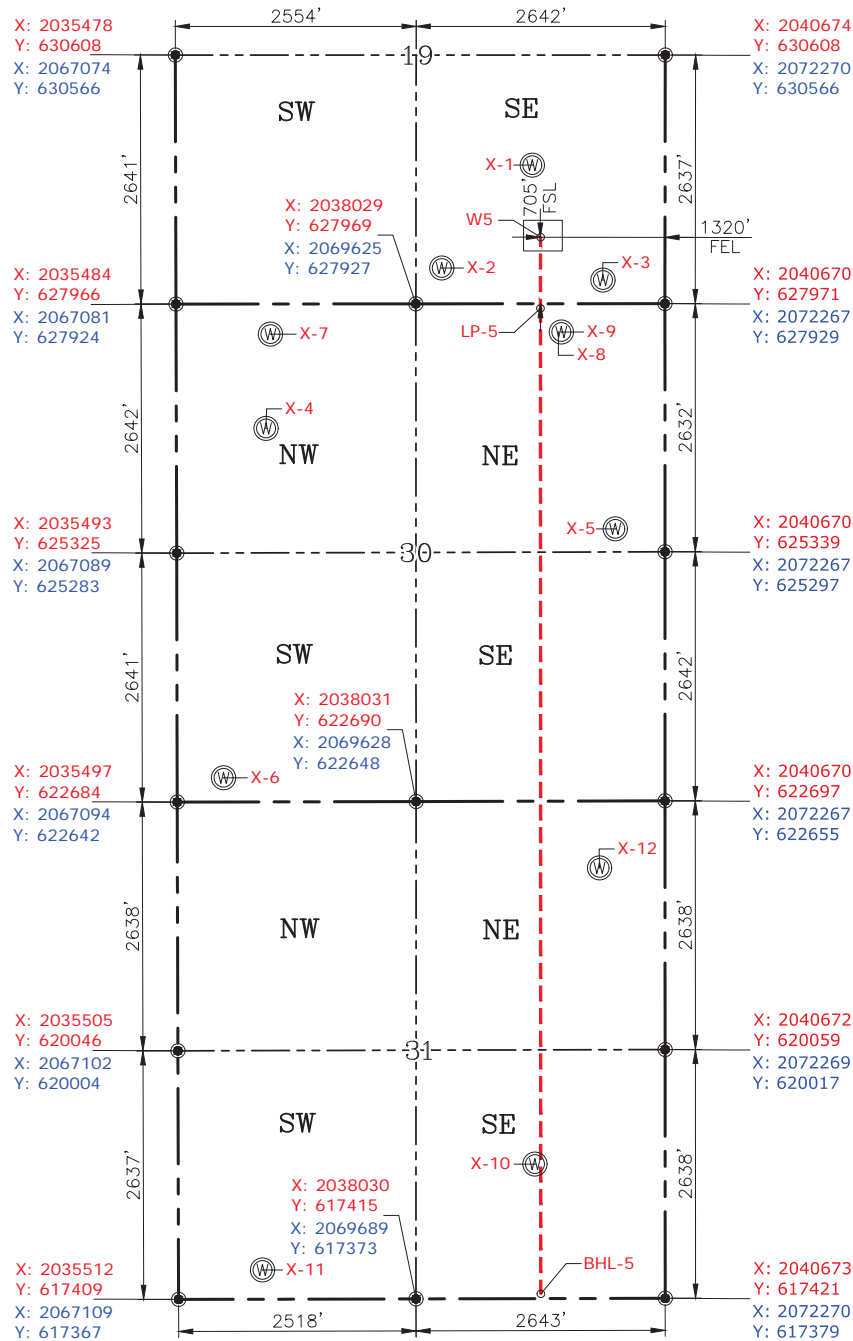
CONTINENTAL  
RESOURCES, INC.  
(OPERATOR)

GRADY

County Oklahoma

705' FSL-1320' FEL Section 19 Township 7N Range 5W I.M.

WELL: DYER 5-30-31XHW



GPS DATUM  
NAD-83  
NAD-27  
OK SOUTH ZONE  
US FEET  
SCALE:  
1" = 1600'

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

Date Staked: \*\*--\*\*--18  
Date Drawn: 08-06-18

CURRENT REV.: 0



*Randall J. Bilyeu*

Oklahoma PLS No.1196 DATE