

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

API NUMBER: 051 24493

Approval Date: 10/04/2018
Expiration Date: 04/04/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 6N Rge: 5W County: GRADY
SPOT LOCATION: SW NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 377 1992

Lease Name: SIMMS Well No: 4-32-29XHW Well will be 377 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

MARY & L. B. CARR REVOCABLE TRUST
2646 CS 2950
BLANCHARD OK 73010

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

Name	Depth	Name	Depth
1 WOODFORD	12341	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 587938
633116

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807351
201807352
201807358
201807347

Special Orders:

Total Depth: 22348 Ground Elevation: 1101 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 330

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: 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35206

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 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 29 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: 1650

Depth of Deviation: 11943

Radius of Turn: 477

Direction: 355

Total Length: 9656

Measured Total Depth: 22348

True Vertical Depth: 12420

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

Notes:

Category

Description

DEEP SURFACE CASING

9/19/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

9/19/2018 - 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

MEMO

9/19/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201807347

9/27/2018 - G75 - 32-7N-5W
X587938 WDFD
4 WELLS
NO OP. NAMED
REC 10-2-2018 (FOREMAN)

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.

Category	Description
PENDING CD - 201807351	9/27/2018 - G75 - (I.O.) 32 & 29-7N-5W EST MULTIUNIT HORIZONTAL WELL XOTHER X587938 WDFD, OTHER 32-7N-5W X633116 WDFD, OTHERS 29-7N-5W 50% 32-7N-5W 50% 29-7N-5W CONTINENTAL RESOURCES, INC. REC 10-2-2018 (FOREMAN)
PENDING CD - 201807352	9/27/2018 - G75 - (I.O.) XOTHER X587938 WDFD, OTHER 32-7N-5W X633116 WDFD, OTHERS 29-7N-5W SHL (5-6N-5W) NCT 150' FNL, NCT 1320' FWL COMPL. INT. (32-7N-5W) NCT 150' FSL, NCT 0' FNL, NCT 660' FWL COMPL. INT. (29-7N-5W) NCT 0' FSL, NCT 150' FNL, NCT 660' FWL CONTINENTAL RESOURCES, INC. REC 10-2-2018 (FOREMAN)
PENDING CD - 201807358	9/27/2018 - G75 - 29-7N-5W X633116 WDFD 3 WELLS NO OP. NAMED HEARING 10-9-2018
SPACING - 587938	9/27/2018 - G75 - (640) 32-7N-5W EXT OTHERS EXT 582458 WDFD, OTHER EST OTHERS
SPACING - 633116	9/27/2018 - G75 - (640)(HOR) 29-7N-5W EXT 621966 WDFD, OTHERS POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

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.

EXHIBIT: A (1 of 2)
 SHEET: 8.5x14
 SHL: 5-6N-5W
 BHL-4 29-7N-5W



Continental
 RESOURCES

API 051-24493

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 5 Township 6N Range 5W I.M. Well: SIMMS 4-32-29XHW
 County GRADY State OK Well: --
 Operator CONTINENTAL RESOURCES, INC.

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W4	SIMMS 4-32-29XHW	617049	2042666	35° 01' 43.00" -97° 45' 08.19"	35.028611 -97.752275	377' FNL / 1992' FWL (NW/4 SEC 5)	1100.03'	1100.70'
LP-4	LANDING POINT	617475	2042323	35° 01' 47.22" -97° 45' 12.30"	35.029785 -97.753416	50' FSL / 1650' FWL (SW/4 SEC 32)	--	--
BHL-4	BOTTOM HOLE LOCATION	627936	2042320	35° 03' 30.69" -97° 45' 12.03"	35.058524 -97.753340	50' FNL / 1650' FWL (NW/4 SEC 29)	--	--
X-1	SIMMS #1-32H	617654	2045535	35° 01' 48.91" -97° 44' 33.67"	35.030252 -97.742685	32-7N-5W:SW4SE4SE4 TD: 16,913' 220' FSL / 430' FEL	--	--
X-2	BLANCHARD #1-32 SWD	621463	2045714	35° 02' 26.58" -97° 44' 31.40"	35.040717 -97.742055	32-7N-5W:SE4SE4NE4NE4 TD: 6,600' 1,249' FNL / 249' FEL	--	--
X-3	MARY B #1-5XH	617137	2041003	35° 01' 43.91" -97° 45' 28.17"	35.028864 -97.757826	32-6N-5W:N2NW4NW4NW4 TD: 22,402' 285' FNL / 330' FWL	--	--
X-4	LAMBRECHT 1H-20X	622984	2042830	35° 02' 41.69" -97° 45' 06.03"	35.044915 -97.751675	29-7N-5W:SW4SE4SE4 TD: 22,547' 280' FSL / 2,160' FWL	--	--
X-5	MOORE "H" #1	623536	2045461	35° 02' 47.09" -97° 44' 34.38"	35.046415 -97.742883	29-7N-5W:NE4SE4SE4 TD: 7,319' 825' FSL / 2,145' FWL	--	--
X-6	SOUTH MIDDLEBURG BOYD SAND UNIT #4-01	626851	2044040	35° 03' 19.91" -97° 44' 51.37"	35.055531 -97.747603	29-7N-5W:SE4NW4NE4 TD: 7,340' 1,495' FSL / 725' FWL	--	--
X-7	SOUTH MIDDLEBURG BOYD SAND UNIT #5W-01	626009	2042650	35° 03' 11.62" -97° 45' 08.11"	35.053228 -97.752252	29-7N-5W:SE4NW4 TD: 7,411' 660' FSL / 1,980' FWL	--	--
X-8	SOUTH MIDDLEBURG BOYD SAND UNIT #6-01	625756	2044175	35° 03' 09.09" -97° 44' 49.78"	35.052524 -97.747160	29-7N-5W:SE4SW4NE4 TD: 7,370' 400' FSL / 860' FWL	--	--
X-9	SOUTH MIDDLEBURG BOYD SAND UNIT #4S-01	626812	2044225	35° 03' 19.52" -97° 44' 49.15"	35.055423 -97.746985	29-7N-5W:SE4NW4NE4 TD: 4,221' 1,455' FSL / 910' FWL	--	--
X-10	SOUTH MIDDLEBURG BOYD SAND UNIT #6-2	626315	2044676	35° 03' 14.60" -97° 44' 43.74"	35.054055 -97.745482	29-7N-5W:NE4 TD: 7,367' 956' FSL / 1,361' FWL	--	--

NAD-27								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W4	SIMMS 4-32-29XHW	617007	2074262	35° 01' 42.76" -97° 45' 07.05"	35.028543 -97.751957	377' FNL / 1992' FWL (NW/4 SEC 5)	1100.03'	1100.70'
LP-4	LANDING POINT	617433	2073920	35° 01' 46.98" -97° 45' 11.15"	35.029717 -97.753099	50' FSL / 1650' FWL (SW/4 SEC 32)	--	--
BHL-4	BOTTOM HOLE LOCATION	627894	2073917	35° 03' 30.45" -97° 45' 10.88"	35.058457 -97.753023	50' FNL / 1650' FWL (NW/4 SEC 29)	--	--
X-1	SIMMS #1-32H	617612	2077132	35° 01' 48.66" -97° 44' 32.52"	35.030185 -97.742368	32-7N-5W:SW4SE4SE4SE4 TD: 16,913' 220' FSL / 430' FEL	--	--
X-2	BLANCHARD #1-32 SWD	621421	2077311	35° 02' 26.34" -97° 44' 30.25"	35.040649 -97.741737	32-7N-5W:SE4SE4NE4NE4 TD: 6,600' 1,249' FNL / 249' FEL	--	--
X-3	MARY B #1-5XH	617095	2072600	35° 01' 43.67" -97° 45' 27.03"	35.028796 -97.757508	32-6N-5W:N2NW4NW4NW4 TD: 22,402' 285' FNL / 330' FWL	--	--
X-4	LAMBRECHT 1H-20X	622942	2074427	35° 02' 41.45" -97° 45' 04.89"	35.044847 -97.751358	29-7N-5W:SW4SE4SE4 TD: 22,547' 280' FSL / 2,160' FWL	--	--
X-5	MOORE "H" #1	623494	2077058	35° 02' 46.85" -97° 44' 33.24"	35.046347 -97.742566	29-7N-5W:NE4SE4SE4 TD: 7,319' 825' FSL / 2,145' FWL	--	--
X-6	SOUTH MIDDLEBURG BOYD SAND UNIT #4-01	626809	2075637	35° 03' 19.67" -97° 44' 50.23"	35.055464 -97.747286	29-7N-5W:SE4NW4NE4 TD: 7,340' 1,495' FSL / 725' FWL	--	--
X-7	SOUTH MIDDLEBURG BOYD SAND UNIT #5W-01	625967	2074247	35° 03' 11.38" -97° 45' 06.97"	35.053161 -97.751935	29-7N-5W:SE4NW4 TD: 7,411' 660' FSL / 1,980' FWL	--	--
X-8	SOUTH MIDDLEBURG BOYD SAND UNIT #6-01	625714	2075772	35° 03' 08.84" -97° 44' 48.63"	35.052457 -97.746843	29-7N-5W:SE4SW4NE4 TD: 7,370' 400' FSL / 860' FWL	--	--
X-9	SOUTH MIDDLEBURG BOYD SAND UNIT #4S-01	626770	2075822	35° 03' 19.28" -97° 44' 48.00"	35.055356 -97.746668	29-7N-5W:SE4NW4NE4 TD: 4,221' 1,455' FSL / 910' FWL	--	--
X-10	SOUTH MIDDLEBURG BOYD SAND UNIT #6-2	626273	2076273	35° 03' 14.36" -97° 44' 42.59"	35.053988 -97.745165	29-7N-5W:NE4 TD: 7,367' 956' FSL / 1,361' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: **--*-18
 Date Drawn: 08-15-18



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

REVISIONS				
No.	DATE	BY	DESCRIPTION	COMMENTS
00	08-15-18	MJL	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 2)
 SHEET: 8.5x14
 SHL: 5-6N-5W
 BHL-4: 29-7N-5W

PETRO LAND SERVICES SOUTH, LLC

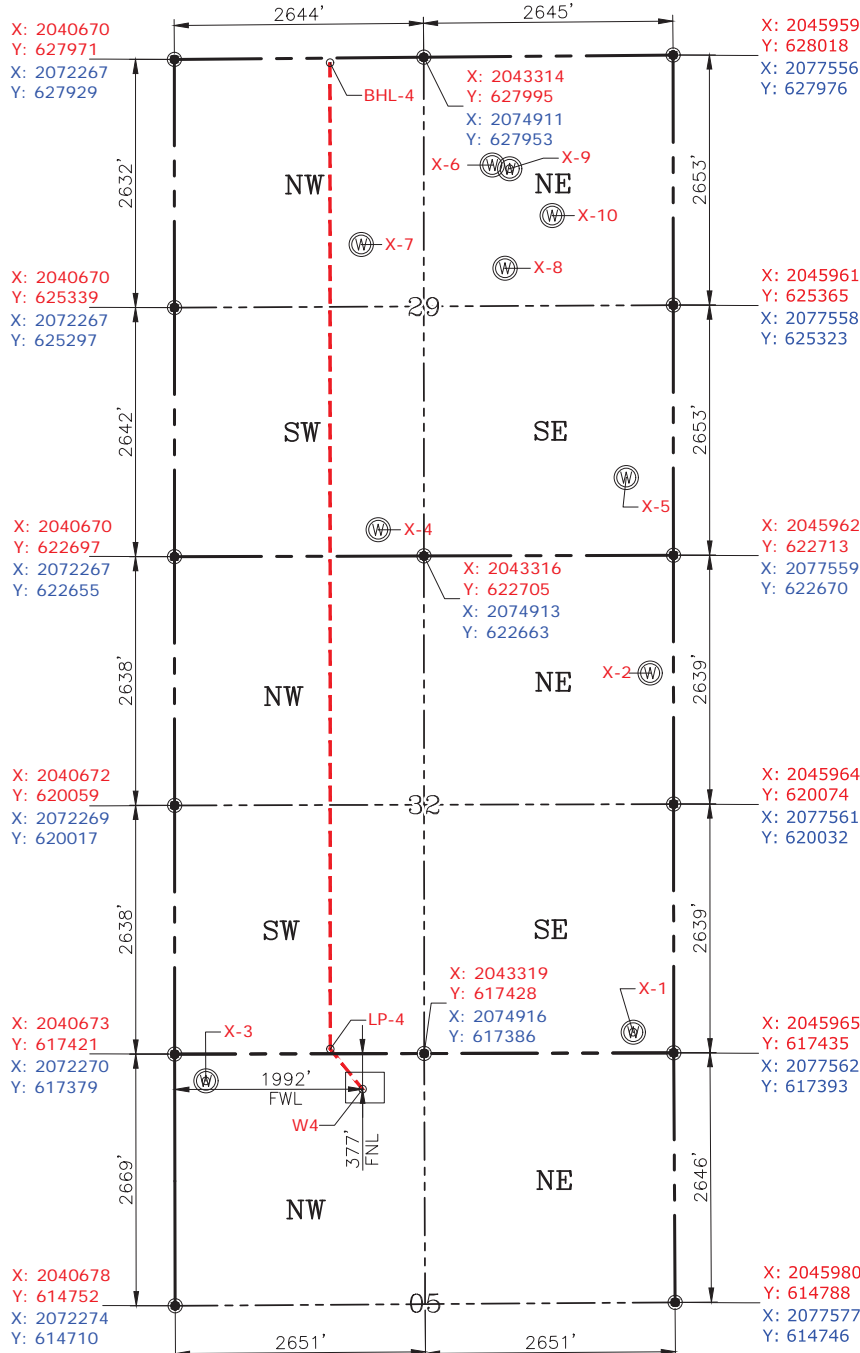
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
 Certificate of Authorization No. 7318



CONTINENTAL
 RESOURCES, INC
 (OPERATOR)

GRADY _____ County Oklahoma
 377' FNL-1992' FWL Section 5 Township 6N Range 5W I.M.

WELL: SIMMS 4-32-29XHW



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.

Date Staked: **--18
 Date Drawn: 08-15-18

CURRENT REV.: 0



Randall J. Bilyeu

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.

Oklahoma PLS No.1196 DATE