

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

API NUMBER: 051 24492

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:  NW  SW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 799 281

Lease Name: SIMMS Well No: 2-32-29XHW Well will be 281 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 MISSISSIPPIAN	12283	6	
2 SYCAMORE	12337	7	
3 WOODFORD	12450	8	
4 HUNTON	12594	9	
5		10	

Spacing Orders: 633116  
150355  
587938

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807348  
201807349  
201807347  
201807358

Special Orders:

Total Depth: 22555 Ground Elevation: 1136 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 350

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 BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-35208

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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 29 Twp 7N Rge 5W County GRADY

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 11767

Radius of Turn: 477

Direction: 5

Total Length: 10039

Measured Total Depth: 22555

True Vertical Depth: 12594

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](http://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](http://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 - 201807348	9/27/2018 - G75 - (I.O.) 32 & 29-7N-5W EST MULTIUNIT HORIZONTAL WELL X150355 HNTN 32-7N-5W X587938 SCMR, WDFD 32-7N-5W X633116 MSSP, WDFD, HNTN 29-7N-5W (SCMR, MSSP, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 32-7N-5W 50% 29-7N-5W CONTINENTAL RESOURCES, INC. REC 10-2-2018 (FOREMAN)
PENDING CD - 201807349	9/27/2018 - G75 - (I.O.) X150355 HNTN 32-7N-5W X587938 SCMR, WDFD 32-7N-5W X633116 MSSP, WDFD, HNTN 29-7N-5W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO MARY B 1-5XH SHL (5-6N-5W) NCT 300' FNL, NCT 150' FWL COMPL. INT. (32-7N-5W) NCT 150' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (29-7N-5W) NCT 0' FSL, NCT 150' FNL, NCT 330' 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 - 150355	9/27/2018 - G75 - (640) 32-7N-5W VAC OTHER EXT 131103 HNTN, OTHERS EXT OTHERS
SPACING - 587938	9/27/2018 - G75 - (640) 32-7N-5W EXT OTHERS EXT 582458 WDFD, OTHER EST SCMR, OTHER
SPACING - 633116	9/27/2018 - G75 - (640)(HOR) 29-7N-5W EXT 621966 MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) 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-2 29-7N-5W



API 051-24492

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 2-32-29XHW  
 County GRADY State OK Well: --  
 Operator CONTINENTAL RESOURCES, INC.

NAD-83							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W2	SIMMS 2-32-29XHW	616623	2040955	35° 01' 38.83" -97° 45' 28.77"	35.027452 -97.757992	799' FNL / 281' FWL (NW/4 SEC 5)	1136.76   1136.36'
LP-2	LANDING POINT	617472	2041333	35° 01' 47.21" -97° 45' 24.21"	35.029782 -97.756724	50' FSL / 660' FWL (SW/4 SEC 32)	--   --
BHL-2	BOTTOM HOLE LOCATION	627927	2041330	35° 03' 30.62" -97° 45' 23.93"	35.058507 -97.756648	50' FNL / 660' 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:SW4SE4SE4E4   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:SE4SE4NE4E4   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:SW4SE4SE4E4   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:NE4SE4SE4E4   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:SE4NW4NE4E4   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:SE4NW4E4   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:SE4SW4NE4E4   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:SE4NW4NE4E4   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:NE4E4   TD: 7,367'   956' FSL / 1,361' FWL	--   --

NAD-27							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W2	SIMMS 2-32-29XHW	616581	2072552	35° 01' 38.58" -97° 45' 27.83"	35.027385 -97.757675	799' FNL / 281' FWL (NW/4 SEC 5)	1136.76   1136.36'
LP-2	LANDING POINT	617430	2072929	35° 01' 46.97" -97° 45' 23.06"	35.029714 -97.756407	50' FSL / 660' FWL (SW/4 SEC 32)	--   --
BHL-2	BOTTOM HOLE LOCATION	627885	2072927	35° 03' 30.38" -97° 45' 22.79"	35.058440 -97.756331	50' FNL / 660' 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:SW4SE4SE4E4   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:SE4SE4NE4E4   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:SW4SE4SE4E4   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:NE4SE4SE4E4   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:SE4NW4NE4E4   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:SE4NW4E4   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:SE4SW4NE4E4   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:SE4NW4NE4E4   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:NE4E4   TD: 7,367'   956' FSL / 1,361' FWL	--   --

Certificate of Authorization No. 7318

Date Staked: \*\*--18  
 Date Drawn: 08-10-18



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

REVISIONS				
No.	DATE	BY	DESCRIPTION	COMMENTS
00	08-10-18	HGD	ISSUED FOR APPROVAL	--

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

**PETRO LAND SERVICES SOUTH, LLC**

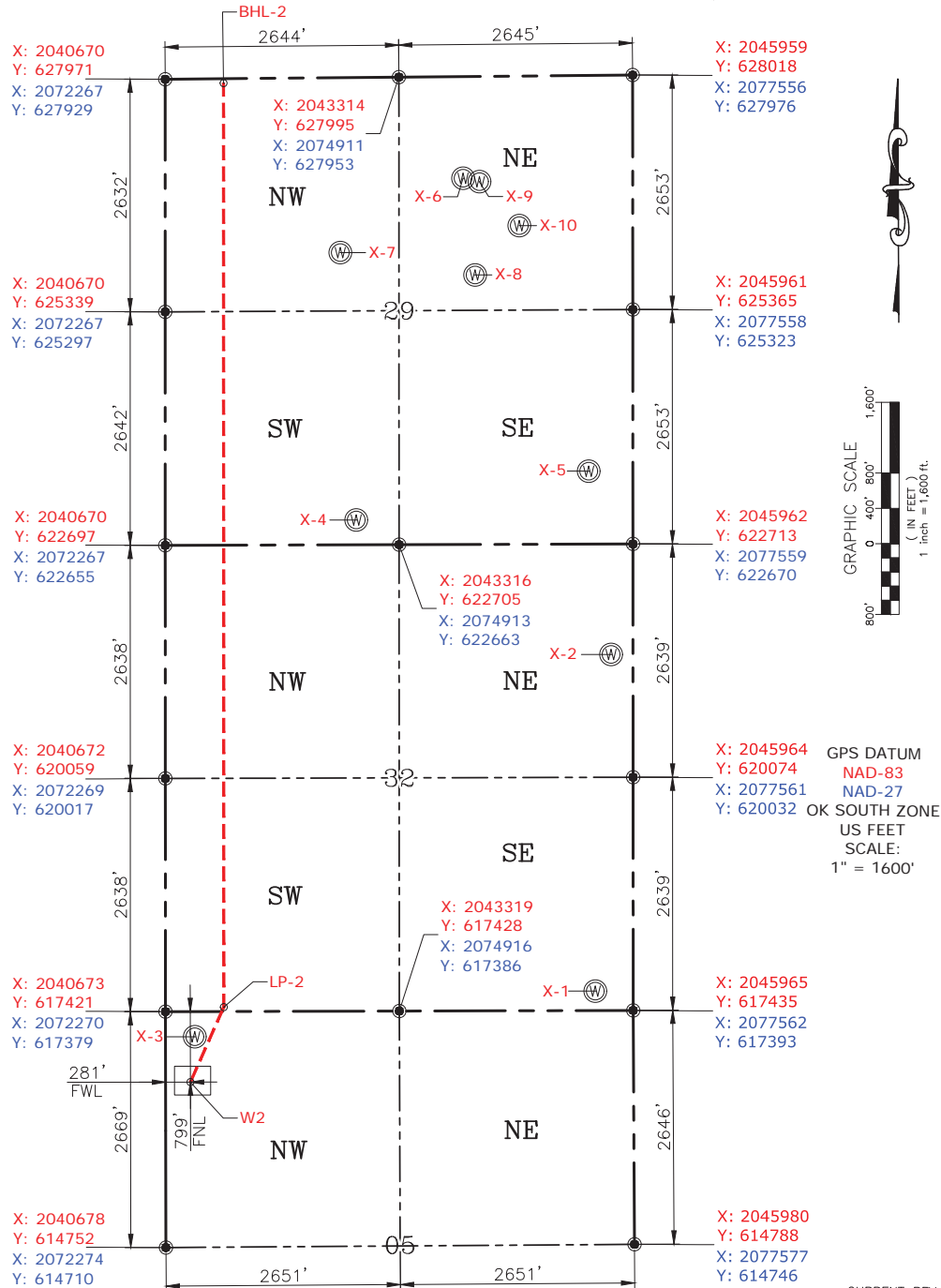
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
 Certificate of Authorization No. 7318



CONTINENTAL  
 RESOURCES, INC  
 (OPERATOR)

GRADY \_\_\_\_\_ County Oklahoma  
 799' FNL-281' FWL Section 5 Township 6N Range 5W I.M.

WELL: SIMMS 2-32-29XHW



CURRENT REV.: 0

Date Staked: \*\*--\*\*--18  
 Date Drawn: 08-10-18

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.



*Randall J. Bilyeu*

Oklahoma PLS No.1196 DATE