

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

API NUMBER: 051 24494

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

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 7N Rge: 5W County: GRADY
SPOT LOCATION: SE SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 275 900

Lease Name: SIMMS Well No: 6-32-29XHW Well will be 275 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

MELTON ASHFORD & SONS, A PARTNERSHIP
2470 COUNTY STREET 2970
BLANCHARD OK 73010

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12054	6	
2	SYCAMORE	12090	7	
3	WOODFORD	12225	8	
4	HUNTON	12364	9	
5			10	

Spacing Orders: 633116
150355
587938

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807354
201807356
201807347
201807358

Special Orders:

Total Depth: 22330 Ground Elevation: 1127 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 340

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: 18-35241
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 NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 11748

Radius of Turn: 477

Direction: 12

Total Length: 9833

Measured Total Depth: 22330

True Vertical Depth: 12364

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 - 201807354	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 - 201807356	9/27/2018 - G75 - (I.O.) 32 & 29-7N-5W X150355 HNTN 32-7N-5W X587938 SCMR, WDFD 32-7N-5W X633116 MSSP, WDFD, HNTN 29-7N-5W SHL (32-7N-5W) NCT 50' FSL, NCT 330' FEL COMPL. INT. (32-7N-5W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (29-7N-5W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL 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
WATERSHED STRUCTURE	9/19/2018 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 224-0523 PRIOR TO DRILLING

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: 32-7N-5W
 BHL-6 29-7N-5W



Continental API 051-24494
 RESOURCES

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 32 Township 7N Range 5W I.M. Well: SIMMS 6-32-29XHW
 County GRADY State OK Well: --
 Operator CONTINENTAL RESOURCES, INC.

NAD-83							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W6	SIMMS 6-32-29XHW	617707	2045065	35° 01' 49.45" -97° 44' 39.31"	35.030403 -97.744254	275' FSL / 900' FEL (SE/4 SEC 32)	1128.15' / 1126.82'
LP-6	LANDING POINT	617706	2044480	35° 01' 49.45" -97° 44' 46.35"	35.030403 -97.746208	275' FSL / 1485' FEL (SE/4 SEC 32)	-- / --
BHL-6	BOTTOM HOLE LOCATION	627962	2045299	35° 03' 30.87" -97° 44' 36.19"	35.058576 -97.743386	50' FNL / 660' FEL (NE/4 SEC 29)	-- / --
X-1	SIMMS #1-32H	617654	2045535	35° 01' 48.91" -97° 44' 33.66"	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:SE4NE4NE4 TD: 6,600' 1,249' FNL / 249' FEL	-- / --
X-3	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-4	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-5	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-6	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-7	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-8	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	-- / --
X-9	LAMBRECHT 1H-20X	622983	2042833	35° 02' 41.69" -97° 45' 06.00"	35.044914 -97.751666	29-7N-5W:SW4SE4SE4 TD: 22,547' 280' FSL / 2,160' FWL	-- / --

NAD-27							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W6	SIMMS 6-32-29XHW	617665	2076662	35° 01' 49.21" -97° 44' 38.17"	35.030336 -97.743937	275' FSL / 900' FEL (SE/4 SEC 32)	1128.15' / 1126.82'
LP-6	LANDING POINT	617664	2076077	35° 01' 49.21" -97° 44' 45.21"	35.030336 -97.745891	275' FSL / 1485' FEL (SE/4 SEC 32)	-- / --
BHL-6	BOTTOM HOLE LOCATION	627920	2076896	35° 03' 30.63" -97° 44' 35.05"	35.058509 -97.743068	50' FNL / 660' FEL (NE/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:SW4SE4SE4 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:SE4NE4NE4 TD: 6,600' 1,249' FNL / 249' FEL	-- / --
X-3	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-4	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-5	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-6	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-7	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-8	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	-- / --
X-9	LAMBRECHT 1H-20X	622941	2074430	35° 02' 41.45" -97° 45' 04.86"	35.044847 -97.751349	29-7N-5W:SW4SE4SE4 TD: 22,547' 280' FSL / 2,160' FWL	-- / --

Certificate of Authorization No. 7318

Date Staked: **--**--18
 Date Drawn: 08-14-18



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

REVISIONS				
No.	DATE	BY	DESCRIPTION	COMMENTS
00	08-14-18	MJL	ISSUED FOR APPROVAL	--
01	08-16-18	TJW	REVISED BHL	REV'D EXHIBITS A1 & A2

EXHIBIT: A (2 of 2)
 SHEET: 8.5x14
 SHL: 32-7N-5W
 BHL-6 29-7N-5W

PETRO LAND SERVICES SOUTH, LLC

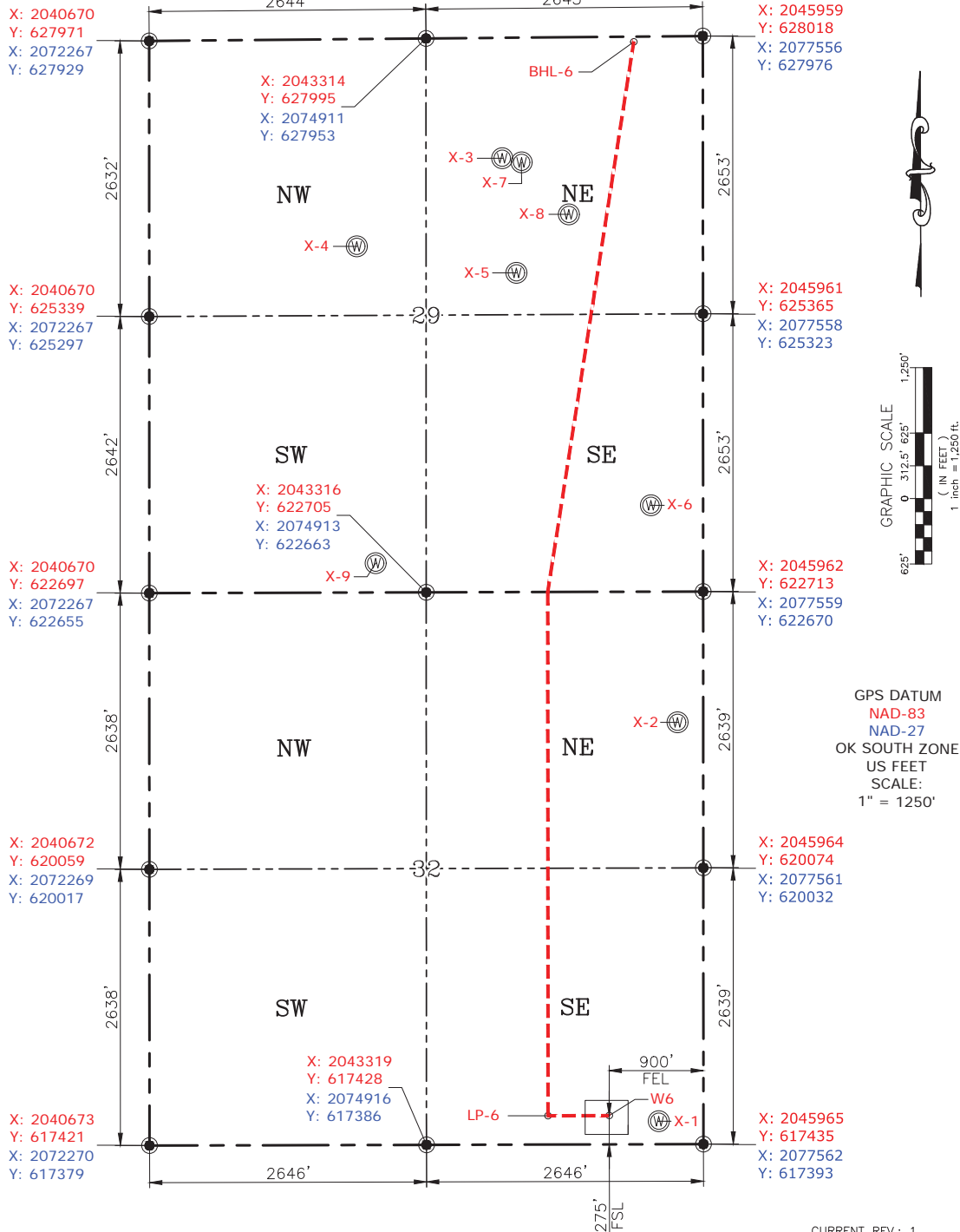
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
 Certificate of Authorization No. 7318



CONTINENTAL
 RESOURCES, INC
 (OPERATOR)

GRADY _____ County Oklahoma
 275' FSL-900' FEL Section 32 Township 7N Range 5W I.M.

WELL: SIMMS 6-32-29XHW



CURRENT REV.: 1

Date Staked: **--18
 Date Drawn: 08-14-18

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