API NUMBER: 051 24499

Horizontal Hole Oil & Gas

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

Approval Date: 10/16/2018
Expiration Date: 04/16/2020

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 9N Rge: 7W County: GRADY

SPOT LOCATION: SE SE SE SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**
SECTION LINES: **324** **2491**

Lease Name: LENSGRAF **Well No: 1-9-4XHM** **Well will be 324 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

SUGAR & SPICE PROPERTIES LLC
179 SUNSET COVE
MEAD OK 73449

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	11993	6		
2	WOODFORD	12098	7		
3			8		
4			9		
5			10		

Spacing Orders: 681161 Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201802402
201802403
201802400

Special Orders:

Total Depth: 21961 Ground Elevation: 1309 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 520

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 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: DOG CREEK

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35592
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 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: DOG CREEK

HORIZONTAL HOLE 1

Sec 04 Twp 9N Rge 7W County GRADY

Spot Location of End Point: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1870

Depth of Deviation: 11503

Radius of Turn: 477

Direction: 355

Total Length: 9709

Measured Total Depth: 21961

True Vertical Depth: 12098

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

Notes:

Category	Description
DEEP SURFACE CASING	10/16/2018 - GA8 - 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	10/16/2018 - GA8 - 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	10/16/2018 - GA8 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201802400	10/16/2018 - G75 - (640) 4-9N-7W VAC 153688 MSSLM EST MSSP, WDFD REC 7-10-2018 (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 - 201802402	10/16/2018 - G75 - (I.O.) 9 & 4-9N-7W EST MULTIUNIT HORIZONTAL WELL X681161 MSSP, WDFD 9-9N-7W X201802400 MSSP, WDFD 4-9N-7W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 9-9N-7W 50% 4-9N-7W CONTINENTAL RESOURCES, INC. REC 7-10-2018 (FOREMAN)
PENDING CD - 201802403	10/16/2018 - G75 - (I.O.) 9 & 4-9N-7W X681161 MSSP, WDFD 9-9N-7W X201802400 MSSP, WDFD 4-9N-7W COMPL. INT. (9-9N-7W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL OR FWL COMPL. INT. (4-9N-7W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL OR FWL CONTINENTAL RESOURCES, INC. REC 7-10-2018 (FOREMAN)
SPACING - 681161	10/16/2018 - G75 - (640) 9-9N-7W VAC 153918 CSTR, MSSLM EST MSSP, WDFD

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 3)
SHEET: 8.5x14
SHL: 9–9N–7W
BHL-L1 4–9N–7W
BHL-D1 28–9N–7W

Continental RESOURCES

API 051-24499

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 9 Township 9N Range 7W I.M. Well: LENSGRAF 1–9–4XHM

County GRADY State OK Well: DOBRY 1–16–21–28XHM

Operator CONTINENTAL RESOURCES, INC.

NAD–83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W–L1	LENSGRAF 1–9–4XHM	702121	1984828	35° 15' 45.27" –97° 56' 43.11"	35.262576 –97.945308	324' FSL / 2491' FWL (SW/4 SEC 9)	1307.60'	1309.21'
LP–L1	LANDING POINT	702122	1984207	35° 15' 45.29" –97° 56' 50.60"	35.262580 –97.947389	324' FSL / 1870' FWL (SW/4 SEC 9)	--	--
BHL–L1	BOTTOM HOLE LOCATION	712313	1984190	35° 17' 26.07" –97° 56' 50.74"	35.290575 –97.947428	50' FNL / 1870' FWL (NW/4 SEC 4)	--	--
W–D1	DOBRY 1–16–21–28XHM	702121	1984858	35° 15' 45.27" –97° 56' 42.75"	35.262576 –97.945208	324' FSL / 2521' FWL (SW/4 SEC 9)	1308.96'	1309.21'
LP–D1	LANDING POINT	701748	1984207	35° 15' 41.59" –97° 56' 50.60"	35.261552 –97.947388	50' FNL / 1870' FWL (NW/4 SEC 16)	--	--
BHL–D1	BOTTOM HOLE LOCATION	688602	1984203	35° 13' 31.57" –97° 56' 50.73"	35.225435 –97.947424	2640' FSL / 1870' FWL (NW/4 SEC 28)	--	--
X–1	EDEN #1	710974	1985948	35° 17' 12.82" –97° 56' 29.54"	35.286896 –97.941538	4–9N–7W:NE4SW4NE4 | TD: 10,750' | 1,247' FSL / 990' FWL	--	--
X–2	OSBORN #9–1	705764	1983650	35° 16' 21.31" –97° 56' 57.29"	35.272585 –97.949247	9–9N–7W:NW4 | TD: 12,750' | 1,320' FNL / 1,320' FEL	--	--
X–3	RUSSELL #1–9	705505	1986290	35° 16' 18.74" –97° 56' 25.45"	35.271871 –97.940403	9–9N–7W:NE4 | TD: 9,440' | 1,070' FSL / 1,320' FWL	--	--
X–4	DOBRY #16–1	697844	1986147	35° 15' 02.96" –97° 56' 27.24"	35.250823 –97.940899	16–9N–7W:SE4 | TD: 11,260' | 1,320' FSL / 1,170' FWL	--	--
X–5	DALE #1–21	693142	1983832	35° 14' 16.47" –97° 56' 55.17"	35.237908 –97.948658	21–9N–7W:SW4SW4NE4SW4 | TD: 8,000' | 1,900' FSL / 1,500' FWL	--	--
X–6	OSBORN #1–28	689923	1986910	35° 13' 44.61" –97° 56' 18.09"	35.229059 –97.938358	28–9N–7W:S2W2E2NE4 | TD: 9,500' | 1,320' FSL / 1,930' FWL	--	--
X–7	COBALT POCASSET SWD #1	691011	1983323	35° 13' 55.40" –97° 57' 01.32"	35.232056 –97.950367	28–9N–7W:NE4NW4NW4 | TD: 7,500' | 2,410' FSL / 990' FWL	--	--

NAD–27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W–L1	LENSGRAF 1–9–4XHM	702079	2016425	35° 15' 45.06" –97° 56' 41.94"	35.262515 –97.944984	324' FSL / 2491' FWL (SW/4 SEC 9)	1307.60'	1309.21'
LP–L1	LANDING POINT	702080	2015804	35° 15' 45.07" –97° 56' 49.43"	35.262519 –97.947065	324' FSL / 1870' FWL (SW/4 SEC 9)	--	--
BHL–L1	BOTTOM HOLE LOCATION	712271	2015787	35° 17' 25.86" –97° 56' 49.57"	35.290515 –97.947104	50' FNL / 1870' FWL (NW/4 SEC 4)	--	--
W–D1	DOBRY 1–16–21–28XHM	702079	2016455	35° 15' 45.06" –97° 56' 41.58"	35.262515 –97.944884	324' FSL / 2521' FWL (SW/4 SEC 9)	1308.96'	1309.21'
LP–D1	LANDING POINT	701706	2015804	35° 15' 41.37" –97° 56' 49.43"	35.261492 –97.947064	50' FNL / 1870' FWL (NW/4 SEC 16)	--	--
BHL–D1	BOTTOM HOLE LOCATION	688560	2015800	35° 13' 31.34" –97° 56' 49.56"	35.225373 –97.947100	2640' FSL / 1870' FWL (NW/4 SEC 28)	--	--
X–1	EDEN #1	710932	2017545	35° 17' 12.61" –97° 56' 28.37"	35.286836 –97.941214	4–9N–7W:NE4SW4NE4 | TD: 10,750' | 1,247' FSL / 990' FWL	--	--
X–2	OSBORN #9–1	705722	2015247	35° 16' 21.09" –97° 56' 56.12"	35.272524 –97.948923	9–9N–7W:NW4 | TD: 12,750' | 1,320' FNL / 1,320' FEL	--	--
X–3	RUSSELL #1–9	705463	2017887	35° 16' 18.52" –97° 56' 24.29"	35.271810 –97.940079	9–9N–7W:NE4 | TD: 9,440' | 1,070' FSL / 1,320' FWL	--	--
X–4	DOBRY #16–1	697802	2017744	35° 15' 02.74" –97° 56' 26.07"	35.250761 –97.940576	16–9N–7W:SE4 | TD: 11,260' | 1,320' FSL / 1,170' FWL	--	--
X–5	DALE #1–21	693100	2015430	35° 14' 16.25" –97° 56' 54.00"	35.237847 –97.948334	21–9N–7W:SW4SW4NE4SW4 | TD: 8,000' | 1,900' FSL / 1,500' FWL	--	--
X–6	OSBORN #1–28	689880	2018507	35° 13' 44.39" –97° 56' 16.93"	35.228997 –97.938035	28–9N–7W:S2W2E2NE4 | TD: 9,500' | 1,320' FSL / 1,930' FWL	--	--
X–7	COBALT POCASSET SWD #1	690969	2014920	35° 13' 55.18" –97° 57' 00.16"	35.231994 –97.950043	28–9N–7W:NE4NW4NW4 | TD: 7,500' | 2,410' FSL / 990' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 09–14–18
Date Drawn: 09–13–18

PLS

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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	09–13–18	HDG	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 3)
SHEET: 8.5x14
SHL: 9–9N–7W
BHL-L1 4–9N–7W

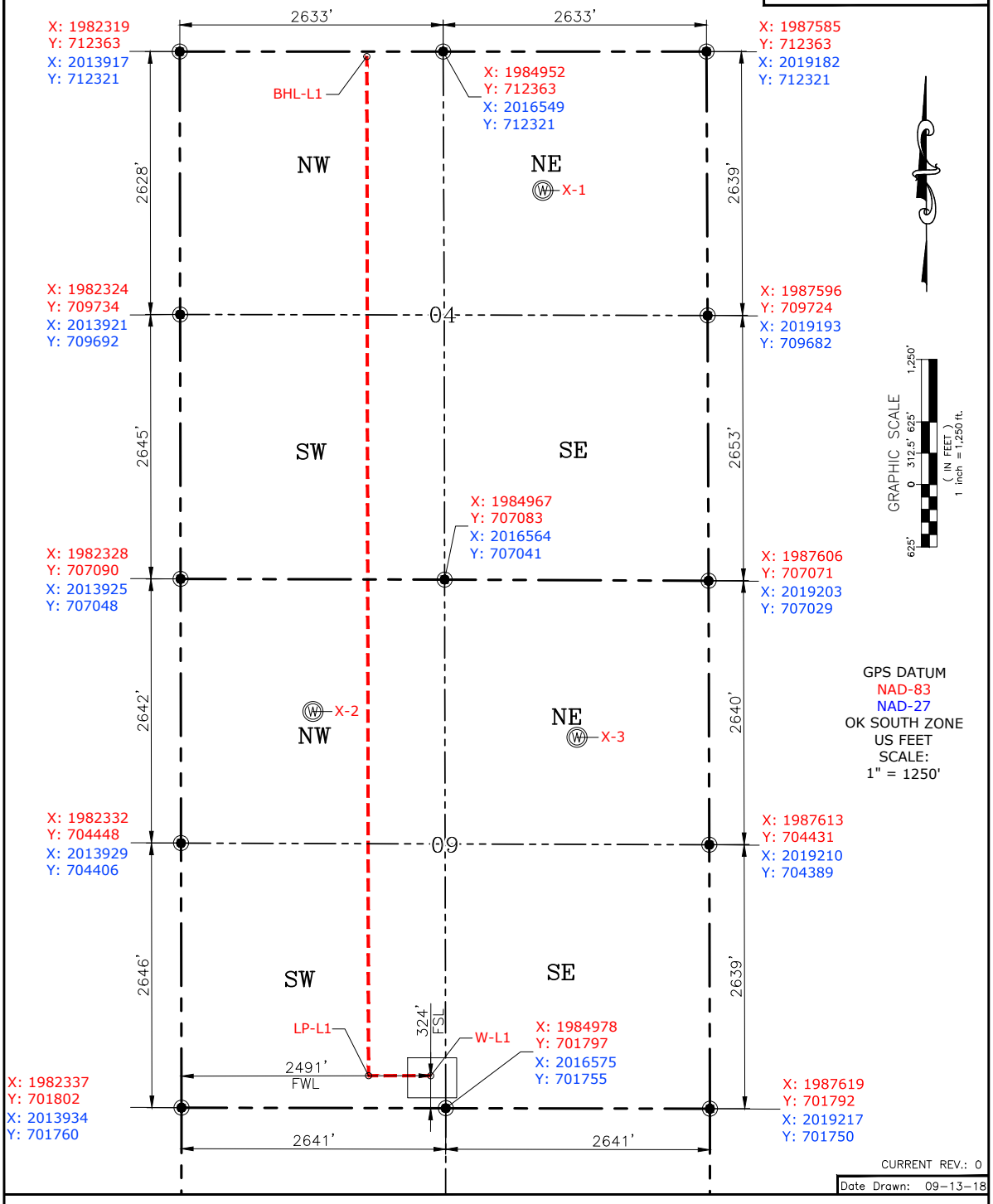
PETRO LAND SERVICES SOUTH, LLC

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

GRADY County Oklahoma
324' FSL–2491' FWL Section 9 Township 9N Range 7W I.M.

CONTINENTAL RESOURCES,INC (OPERATOR)

WELL: LENSGRAF 1–9–4XHM



CURRENT REV.: 0
Date Drawn: 09–13–18

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.

REGISTERED PROFESSIONAL LAND SURVEYOR
RANDALL J. BILYEU
1196
9/13/18
OKLAHOMA

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