API NUMBER: 011 23916

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: 01/16/2018
Expiration Date: 07/16/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 16N Rge: 12W County: BLAINE

SPOT LOCATION: NW SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 363 1860

Lease Name: SWAIM **Well No: 3-14HM** **Well will be 363 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

LARRY & MONA BODEN
259073 E. 800 RD
WATONGA OK 73772

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	10416	6		
2	WOODFORD	11116	7		
3			8		
4			9		
5			10		

Spacing Orders: 648807 Location Exception Orders: Increased Density Orders: 671432

Pending CD Numbers: 201707573 Special Orders:

Total Depth: 15822 Ground Elevation: 1526 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 230

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits
Type of Mud System: WATER BASED
Chlorides Max: 8000 Average: 5000
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 AP/TE DEPOSIT
Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33622
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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 14 Twp 16N Rge 12W County BLAINE

Spot Location of End Point: S2 S2 SW SE

Feet From: SOUTH 1/4 Section Line: 30

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 10043

Radius of Turn: 477

Direction: 182

Total Length: 5030

Measured Total Depth: 15822

True Vertical Depth: 11116

End Point Location from Lease,
Unit, or Property Line: 30

Notes:

Category	Description
DEEP SURFACE CASING	1/12/2018 - G57 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	1/12/2018 - G57 - 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
INCREASED DENSITY - 671432	1/12/2018 - G57 - 14-16N-12W X648807 MSSP 3 WELLS CONTINENTAL RESOURCES, INC. 12-22-2017
INTERMEDIATE CASING	1/12/2018 - G57 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

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
MEMO	1/12/2018 - G57 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201707573	1/12/2018 - G57 - (I.O.) 14-16N-12W X648807 MSSP, WDFD COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 1320' FEL NO OP. NAMED REC 12-4-2017 (M. PORTER)
SPACING - 648807	1/12/2018 - G57 - (640) 14-16N-12W VAC 193321 CSTR VAC 201845 CSTR EXT 585991 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 2)
SHEET: 8.5x11
SHL: 11–16N–12W
BHL: 14–16N–12W

Continental RESOURCES

API: 011 23916

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 11 Township 16N Range 12W I.M.
County BLAINE State OK
Operator CONTINENTAL RESOURCES, INC.

Well: SWAIM 3–14HM
Well:
Well:

NAD-83

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE		DESIGN ELEVATION
W1	SWAIM 3–14HM	317466	1837082	1526.78	N35°52'16.66" W98°26'36.82"	N35.871294° W98.443562°	363' FSL / 1,860' FEL (SE/4 SEC 11)	1526.16
L.P.	LANDING POINT	317220	1836962	--	N35°52'14.22" W98°26'38.27"	N35.870618° W98.443963°	118' FSL / 1,980' FEL (SE/4 SEC 11)	--
B.H.L.	BOTTOM HOLE LOCATION	311847	1836946	--	N35°51'21.09" W98°26'38.16"	N35.855858° W98.443934°	30' FSL / 1,980' FEL (SE/4 SEC 14)	--
X1	GRASSHOPPER UNIT–1	321004	1837623	--	N35°52'51.68" W98°26'30.45"	N35.881021 W98.441792	11–16N–12W:NE4 | TD: 9,384' | 1,270' FSL / 1,320' FEL	--
X2	LYDIA–1–11	318427	1835234	--	N35°52'26.08" W98°26'59.33"	N35.873910 W98.449814	11–16N–12W:W2W2E2SW4 | TD: 9,450' | 1,320' FSL / 1,520' FWL	--
X3	BIXLER BIA–1–11H	317337	1834751	--	N35°52'15.27" W98°27'05.14"	N35.870909 W98.451427	11–16N–12W:SE4SW4SW4 | TD: 15,864' | 230' FSL / 1,050' FWL	--
X4	CHIPMUNK 11_2–16N–12W	317455	1834194	--	N35°52'16.42" W98°27'11.92"	N35.871227 W98.453310	11–16N–12W:NE4SW4SW4SW4 | TD: 20,349' | 348' FSL / 491' FWL	--
X5	HESSEL UNIT–1	313135	1837626	--	N35°51'33.85" W98°26'29.97"	N35.859403 W98.441659	14–16N–12W:SE4 | TD: 9,525' | 1,320' FSL / 1,320' FWL	--
X6	SAWYER–1	315784	1835013	--	N35°51'59.93" W98°27'01.86"	N35.866648 W98.450518	14–16N–12W:NW4 | TD: 9,481' | 1,320' FSL / 1,320' FWL	--
X7	BOSTON–1–14	316446	1834481	--	N35°52'06.45" W98°27'08.37"	N35.868459 W98.452325	14–16N–12W:W2E2NW4NW4 | TD: 9,525' | 1,980' FSL / 785' FWL	--
X8	RUTH ANN–1–14	313345	1835004	--	N35°51'35.81" W98°27'01.84"	N35.859947 W98.450511	14–16N–12W:S2S2N2SW4 | TD: 9,500' | 1,520' FSL / 1,320' FWL	--

NAD-27

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE		DESIGN ELEVATION
W1	SWAIM 3–14HM	317442	1868683	1526.78	N35°52'16.50" W98°26'35.56"	N35.871251° W98.443210°	363' FSL / 1,860' FEL (SE/4 SEC 11)	1526.16
L.P.	LANDING POINT	317196	1868563	--	N35°52'14.07" W98°26'37.00"	N35.870575° W98.443611°	118' FSL / 1,980' FEL (SE/4 SEC 11)	--
B.H.L.	BOTTOM HOLE LOCATION	311823	1868547	--	N35°51'20.93" W98°26'36.90"	N35.855815° W98.443582°	30' FSL / 1,980' FEL (SE/4 SEC 14)	--
X1	GRASSHOPPER UNIT–1	320980	1869224	--	N35°52'51.52" W98°26'29.18"	N35.880978 W98.441440	11–16N–12W:NE4 | TD: 9,384' | 1,270' FSL / 1,320' FEL	--
X2	LYDIA–1–11	318402	1866835	--	N35°52'25.92" W98°26'58.06"	N35.873867 W98.449462	11–16N–12W:W2W2E2SW4 | TD: 9,450' | 1,320' FSL / 1,520' FEL	--
X3	BIXLER BIA–1–11H	317312	1866352	--	N35°52'15.12" W98°27'03.87"	N35.870867 W98.451075	11–16N–12W:SE4SW4SW4 | TD: 15,864' | 230' FSL / 1,050' FWL	--
X4	CHIPMUNK 11_2–16N–12W	317430	1865795	--	N35°52'16.26" W98°27'10.65"	N35.871184 W98.452959	11–16N–12W:NE4SW4SW4SW4 | TD: 20,349' | 348' FSL / 491' FWL	--
X5	HESSEL UNIT–1	313110	1869227	--	N35°51'33.70" W98°26'28.71"	N35.859360 W98.441308	14–16N–12W:SE4 | TD: 9,525' | 1,320' FSL / 1,320' FWL	--
X6	SAWYER–1	315760	1866614	--	N35°51'59.78" W98°27'00.60"	N35.866605 W98.450166	14–16N–12W:NW4 | TD: 9,481' | 1,320' FSL / 1,320' FWL	--
X7	BOSTON–1–14	316421	1866082	--	N35°52'06.30" W98°27'07.10"	N35.868416 W98.451973	14–16N–12W:W2E2NW4NW4 | TD: 9,525' | 1,980' FSL / 785' FWL	--
X8	RUTH ANN–1–14	313321	1866605	--	N35°51'35.65" W98°27'00.58"	N35.859904 W98.450160	14–16N–12W:S2S2N2SW4 | TD: 9,500' | 1,520' FSL / 1,320' FWL	--

Certificate of Authorization No. 7318

Date Staked: 11–28–17
Date Drawn: 11–28–17

PLS

Prepared By:
Petro Land Services South
10404 Vineyard Blvd.
Suite G100
Oklahoma City, OK 73120

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
02	11–30–2017	MJL	REV. OWNER NAME	REV. EXHIBITS "F" & "G"
03	12–7–2017	MJL	REV. DRIVING DIRECTIONS	REV. EXHIBITS "B" & "C"
04	12–18–2017	MJL	REV. SHL CALLOUT	THIS SHEET ONLY
05	12–19–2017	MJL	REV. SHL CALLOUT	REV. EXHIBITS "A (2 of 2)" & "B"

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 11–16N–12W
BHL: 14–16N–12W

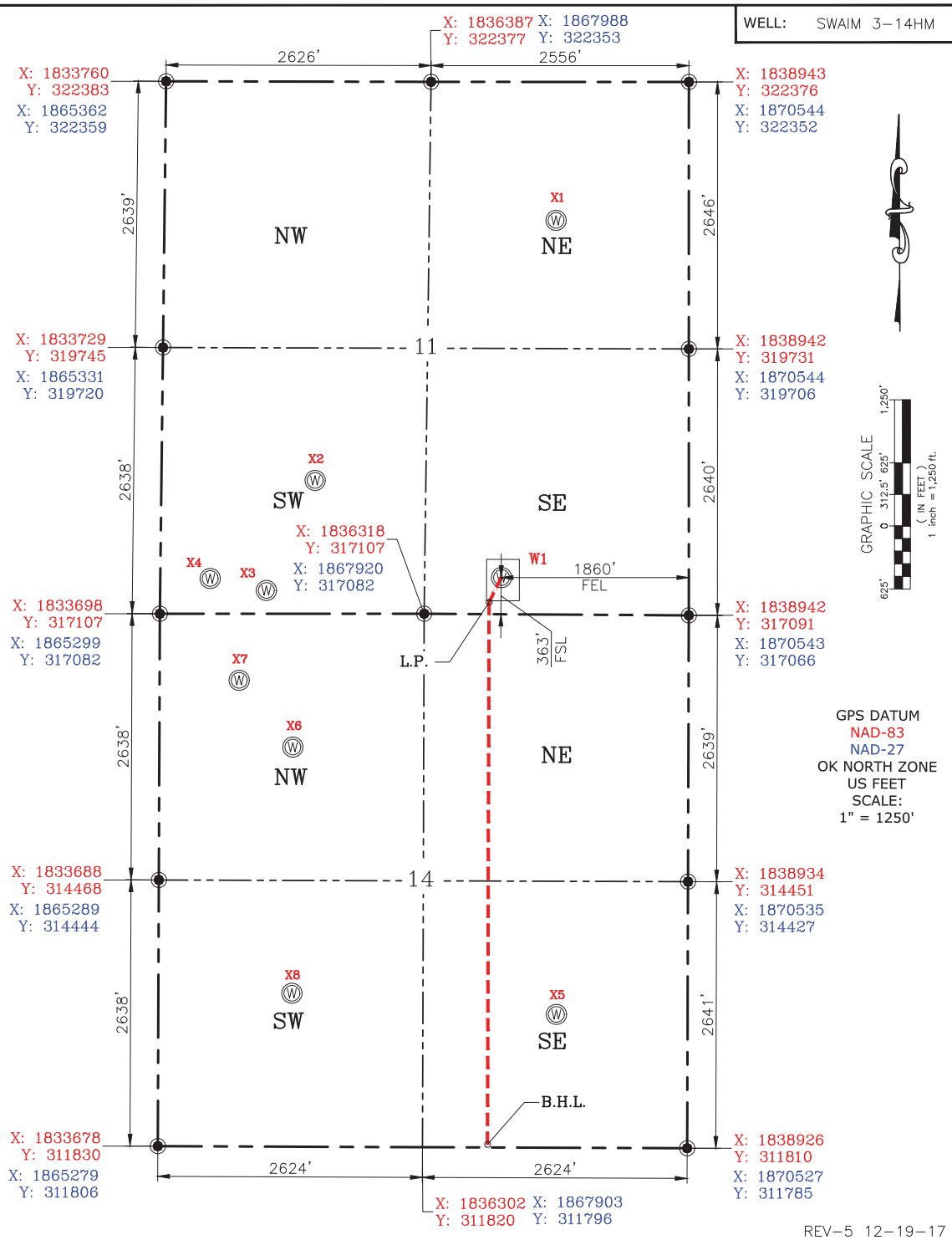
PETRO LAND SERVICES SOUTH, LLC

10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318

BLAINE County Oklahoma
363' FSL–1,860 FEL Section 11 Township 16N Range 12W I.M.

CONTINENTAL RESOURCES,INC (OPERATOR)

WELL: SWAIM 3–14HM



GRAPHIC SCALE
1,250' 625' 0 312.5' 625'
(IN FEET)
1 inch = 1,250 ft.

GPS DATUM
NAD-83
NAD-27
OK NORTH ZONE
US FEET
SCALE:
1" = 1250'

REV–5 12–19–17

Date Staked: 11–28–17
Date Drawn: 11–28–17

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

LICENSED PROFESSIONAL LAND SURVEYOR
BEAU WINFREY
1766
STATE OF OKLAHOMA

12/19/17

Oklahoma PLS No.1766 DATE