API NUMBER: 049 25182

Oil & Gas

Horizontal Hole

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

Approval Date: 01/17/2018

Expiration Date: 07/17/2018

PERMIT TO DRILL

WELL LOCATION:	Sec:	30	Twp:	3N	Rge: 4W	County:	GARVIN
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SPOT LOCATION: SE SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST SECTION LINES: 295 2080

Lease Name: LYLE Well No: 5-30-19XHS Well will be 295 feet from nearest unit or lease boundary.

Operator CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349 OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC

PO BOX 269000

OKLAHOMA CITY, OK 73126-9000

LYLE LAND & CATTLE COMPANY, LLC 1308 CHAIN BRIDGE COURT

EDMOND OK 73034

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

Name Depth Name Depth SPRINGER 11875 1 6 2 7 3 8 4 9 10 131585 Spacing Orders: Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201708700 Special Orders:

201708699 201708692 201708691

Total Depth: 22080 Ground Elevation: 1112 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 Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

Type of Mud System: WATER

Wellhead Protection Area?

Type of Mud System: WATER BASED D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-33700

Chlorides Max: 3000 Average: 2000 H. SEE MEMO

Within 1 mile of municipal water well? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

PIT 2 INFORMATION

Type of Pit System: ON SITE

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: 3
Liner required for Category: 3
Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 19 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: N2 N2 NW NE
Feet From: NORTH 1/4 Section Line: 50
Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 11503 Radius of Turn: 382

Direction: 2

Total Length: 9977

Measured Total Depth: 22080

True Vertical Depth: 11875

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

Notes:

Category Description

DEEP SURFACE CASING 1/9/2018 - G71 - 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 1/8/2018 - G57 - HYDRAULIC FRACTURING 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 1/16/2018 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM

RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201708691 1/17/2018 - G57 - (I.O.) 19-3N-4W

X131585 SPRG 5 WELLS NO OP. NAMED REC 1-16-2018 (MUIR)

PENDING CD - 201708692 1/17/2018 - G57 - (I.O.) 30-3N-4W

X131585 SPRG 5 WELLS NO OP. NAMED REC 1-16-2018 (MUIR)

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.

049 25182 LYLE 5-30-19XHS

Category Description

PENDING CD - 201708699 1/17/2018 - G57 - (I.O.) 30 & 19-3N-4W

EST MULTIUNIT HORIZONTAL WELL

X131585 SPRG 50% 30-3N-4W 50% 19-3N-4W

CONTINENTAL RESOURCES, INC.

REC 1-16-2018 (MUIR)

PENDING CD - 201708700 1/17/2018 - G57 - (I.O.) 30 & 19-3N-4W

X131585 SPRG

X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING WELLBORE

COMPL. INT. (30-3N-4W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (19-3N-4W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL

NO OP. NAMED REC 1-16-2018 (MUIR)

SPACING - 131585 1/8/2018 - G57 - (640) 30 & 19-3N-4W

EST SPRG, OTHERS

WATERSHED STRUCTURE 1/8/2018 - G57 - 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

EXHIBIT: <u>A (1 of 2)</u>

SHEET: 8.5×11

SHL: $\frac{30-3N-4W}{19-3N-4W}$



API: 049 25182

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

 Section
 30
 Township
 3N
 Range
 4W
 I.M.
 Well:
 LYLE 5-30-19XHS

 County
 GARVIN
 State
 OK
 Well:
 Well:

Operator CONTINENTAL RESOURCES, INC. Well:

	NAD-83							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATIO
W1	LYLE 5-30-19XHS	496337	2071372	34* 41' 48.16" -97* 39' 27.93"	34.696710 -97.657758	295' FSL / 2,080' FEL (SE/4 SEC 30)	1111.16	1112.31
LP-1	LANDING POINT	496532	2071471	34° 41′ 50.09" -97° 39′ 26.74"	34.697246 -97.657426	490' FSL / 1,980' FEL (SE/4 SEC 30)		
BHL-1	BOTTOM HOLE LOCATION	506561	2071423	34* 43' 29.29" -97* 39' 26.90"	34.724803 -97.657473	50' FNL / 1,980' FEL (NE/4 SEC 19)		
X-1	BALL 1-19H	501576	2072394	34° 42′ 39.94″ -97° 39′ 15.47″	34.711095 -97.654297	19-3N-4W:SW4SW4SE4SE4 TD: 17,628' 250' FSL - 1,020' FEL		
X-2	LYLE 1-30	498008	2070136	34* 42' 04.73" -97* 39' 42.67"	34.701314 -97.661853	30-3N-4W:N2S2NE4SW4 TD: 17,750' 1,972' FSL - 1,980' FWL		
X-3	LYLE 1-30H	496236	2072368	34° 41′ 47.12″ -97° 39′ 16.01″	34.696424 -97.654446	30-3N-4W:SW4SW4SE4SE4 TD: 19,190' 190' FSL - 1,085' FEL		
X-4	KELLNER 1-19H	500884	2071918	34* 42' 33.12" -97* 39' 21.20"	34.709200 -97.655890	30-3N-4W:SE4NE4NW4NE4 TD: 20,190' 440' FNL - 1,500' FEL		
X-5	RCL 1-31H	495775	2070870	34° 41′ 42.61″ -97° 39′ 33.96″	34.695170 -97.659434	31-3N-4W:NW4NW4NW4NE4 TD: 19,670' 265' FNL - 2,585' FEL		

FRANK BALL #1 19-3N-4W:SE4SE4NE4 | TD: UNKNOWN | NO EVIDENCE OF WELL

	NAD-27							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	LYLE 5-30-19XHS	496295	2102968	34° 41′ 47.88″ -97° 39′ 26.81″	34.696633 -97.657449	295' FSL / 2,080' FEL (SE/4 SEC 30)	1111.16	1112.31
LP-1	LANDING POINT	496490	2103067	34* 41′ 49.81" -97* 39′ 25.62"	34.697169 -97.657117	490' FSL / 1,980' FEL (SE/4 SEC 30)		
BHL-1	BOTTOM HOLE LOCATION	506519	2103019	34° 43′ 29.02″ -97° 39′ 25.79″	34.724727 -97.657164	50' FNL / 1,980' FEL (NE/4 SEC 19)		
X-1	BALL 1-19H	501533	2103990	34* 42' 39.67" -97* 39' 14.36"	34.711018 -97.653988	19-3N-4W:SW4SW4SE4SE4 TD: 17,628' 250' FSL - 1,020' FEL		
X-2	LYLE 1-30	497966	2101731	34° 42′ 04.45″ -97° 39′ 41.56″	34.701237 -97.661544	30-3N-4W:N2S2NE4SW4 TD: 17,750' 1,972' FSL - 1,980' FWL		
X-3	LYLE 1-30H	496194	2103963	34* 41' 46.85" -97* 39' 14.89"	34.696347 -97.654137	30-3N-4W:SW4SW4SE4SE4 TD: 19,190' 190' FSL - 1,085' FEL		
X-4	KELLNER 1-19H	500842	2103514	34* 42' 32.84" -97* 39' 20.09"	34.709123 -97.655580	30-3N-4W:SE4NE4NW4NE4 TD: 20,190' 440' FNL - 1,500' FEL		
X-5	RCL 1-31H	495733	2102466	34° 41′ 42.33″ -97° 39′ 32.85″	34.695093 -97.659125	31-3N-4W:NW4NW4NW4NE4 TD: 19,670' 265' FNL - 2,585' FEL		

Certificate of Authorization No. 7318

Date Staked: 12-19-17 Date Drawn: 12-19-17



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

R E	REVISIONS							
No.	DATE	BY	DESCRIPTION	COMMENTS				
00	12-19-17	MJL	ISSUED FOR APPROVAL					

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

Continental

CONTINENTAL RESOURCES,INC (OPERATOR)

EXHIBIT: <u>A (2 of 2)</u> 8.5x14 SHEET: 30 - 3N - 4WSHL:

BHL:

19-3N-4W

GARVIN County Oklahoma 295' FSL-2,080' FEL Section 30___ Township 3N Range 4W

X: 2068134 2634' X: 2073403 2634' WELL: LYLE 5-30-19XHS 506604 Y: 506616 X: 2099729 X: 2104998 X: 2070768 Y: 506562 Y: 506574 Y: 506610 X: 2102364 Y: 506568 2646 2644' NW NE X: 2068140 Y: 503959 X: 2073409 Y: 503972 19 X: 2099736 X: 2105004 Y: 503930 Y: 503917 SW 2643 2646 SE X: 2070699 Y: 501321 X: 2102294 Y: 501279 X: 2068145 X: 2073415 **₩ X-1** Y: 501312 Y: 501328 GRAPHIC SCAL 625 X: 2099740 X: 2105011 Y: 501286 Y: 501270 **₩-X-4** 2638 NW NE X: 2068154 X: 2073434 Y: 498690 Y: 498670 30 X: 2099749 X: 2105029 Y: 498628 Y: 498648 GPS DATUM **₩**X-2 **NAD-83** SW SE NAD-27 2639 OK NORTH ZONE X: 2070806 US FEET LP-1 Y: 496039 SCALE: X: 2102402 1" = 1250Y: 495997 2080 X · 2073454 X: 2068161 (1) Y: 496051 Y: 496027 X: 2099756 X: 2105050 - W 1 Y: 495985 Y: 496009 295 X-5 2649 NW NE X: 2073461 X: 2068168 Y: 493383 Y: 493402 X: 2099763 X: 2105057 Y: 493341 Y: 493360 2649 X: 2068174 X: 2073468 SW SE Y: 490740 Y: 490753 X: 2099770 X: 2105064 X: 2070821 Y: 490698 Y: 490711 490747 X: 2102417 Y: 490705

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.



Date Staked: 12-19-17 Date Drawn: 12-19-17