

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

API NUMBER: 049 25182

Approval Date: 01/17/2018  
Expiration Date: 07/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 3N Rge: 4W

County: GARVIN

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 Name: 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
1 SPRINGER	11875	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 131585

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708700  
201708699  
201708692  
201708691

Special Orders:

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 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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)  
H. SEE MEMO

PERMIT NO: 18-33700

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: 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:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, MEMO, PENDING CD - 201708691, and PENDING CD - 201708692.

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 - 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

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: 30-3N-4W  
 BHL: 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: \_\_\_\_\_  
 Operator CONTINENTAL RESOURCES, INC. Well: \_\_\_\_\_

NAD-83						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
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						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
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

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

EXHIBIT: A (2 of 2)  
 SHEET: 8.5x14  
 SHL: 30-3N-4W  
 BHL: 19-3N-4W

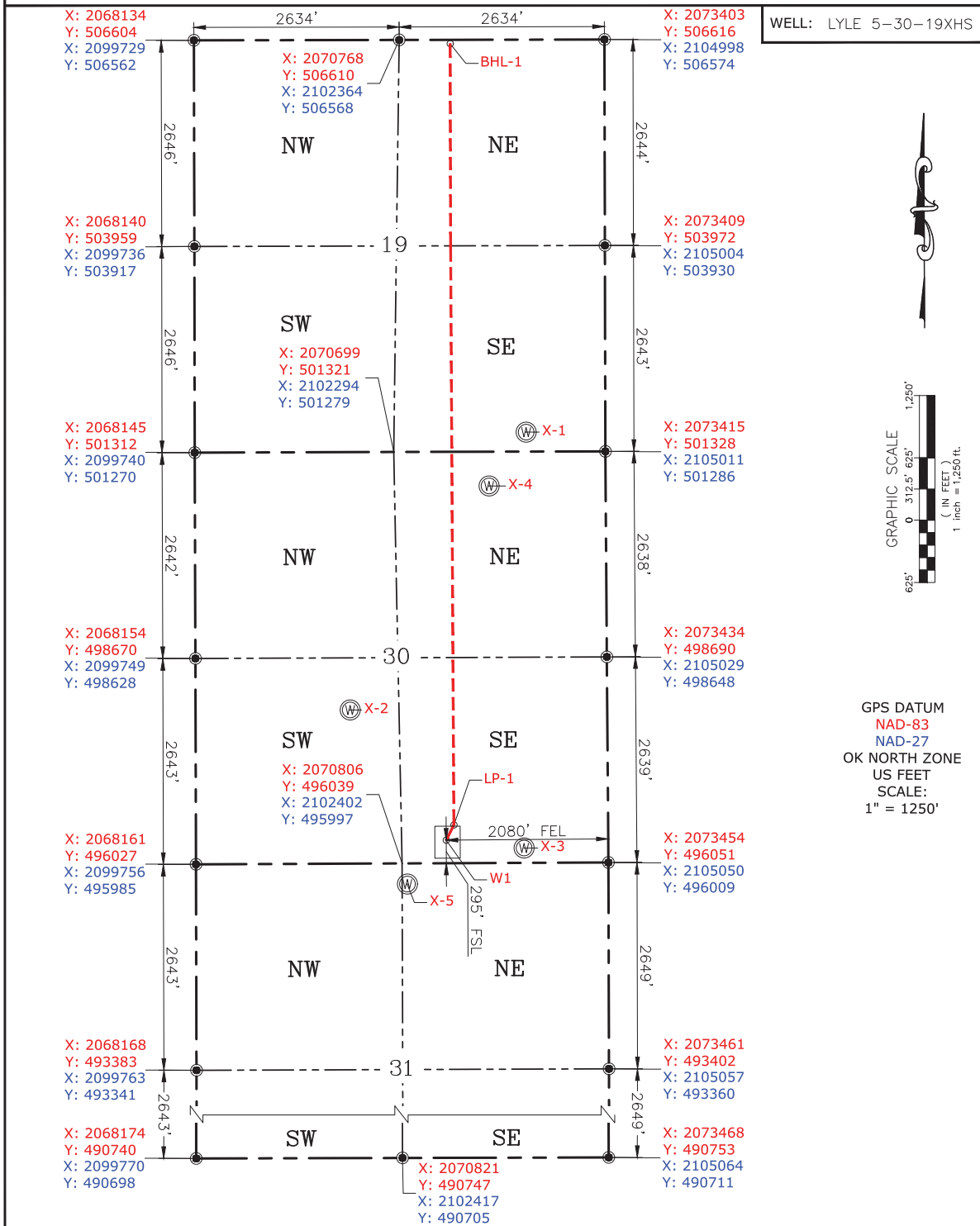
**PETRO LAND SERVICES SOUTH, LLC**

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

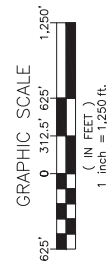


CONTINENTAL  
 RESOURCES, INC  
 (OPERATOR)

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



WELL: LYLE 5-30-19XHS



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

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.

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

**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.



12/19/17

Oklahoma PLS No.1766 DATE