

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

API NUMBER: 137 27565

Approval Date: 05/30/2019

Expiration Date: 11/30/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 1N Rge: 4W

County: STEPHENS

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 322 1198

Lease Name: LEON

Well No: 1-23-14XHM

Well will be 322 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

MICHAEL D KELLY
2702 POTTS ROAD
MARLOW OK 73055

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8207	6	
2	SYCAMORE	8529	7	
3	WOODFORD	8918	8	
4			9	
5			10	

Spacing Orders: 596886
520059

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201902548
201902550

Special Orders:

Total Depth: 19294

Ground Elevation: 1138

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 1200

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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: BISON

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36555

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: BISON

HORIZONTAL HOLE 1

Sec 14 Twp 1N Rge 4W County STEPHENS

Spot Location of End Point: N2 NE NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 990

Depth of Deviation: 8167

Radius of Turn: 415

Direction: 359

Total Length: 10475

Measured Total Depth: 19294

True Vertical Depth: 9125

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

Notes:

Category

Description

DEEP SURFACE CASING

5/6/2019 - 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

5/6/2019 - 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

5/6/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201902548

5/9/2019 - G58 - (E.O.) 14 & 23-1N-4W
X520059 MSSP, WDFD
X596886 SCMR, WDFD
COMPL. INT. (23-1N-4W) NCT 150' FSL, NCT 0' FNL, NCT 330' FWL
COMPL. INT. (14-1N-4W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL
NO OP. NAMED
REC 5/28/2019 (NORRIS)

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.

137 27565 LEON 1-23-14XHM

Category	Description
PENDING CD - 201902550	5/9/2019 - G58 - (E.O.) 14 & 23-1N-4W EST MULTIUNIT HORIZONTAL WELL X520059 MSSP, WDFD X596886 SCMR, WDFD (WDFD IS ADJACENT CSS TO MSSP, SCMR) 33% 14-1N-4W 67% 23-1N-4W NO OP. NAMED REC 5/28/2019 (NORRIS)
SPACING - 520059	5/9/2019 - G58 - (640) 14-1N-4W VAC 107044/107425 SCMR, OTHERS VAC 277175 WDFD, OTHERS VAC OTHERS EST MSSP, WDFD, OTHERS
SPACING - 596886	5/9/2019 - G58 - (640)(HOR) 23-1N-4W VAC 103377 SCMR EST SCMR, WDFD, OTHER COMPL. INT. (SCMR) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL

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: 8.5x14SHL: 26-1N-4WBHL-1 14-1N-4W

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 26 Township 1N Range 4W I.M.Well: LEON 1-23-14XHM **137-27565**County STEPHENS State OKWell: --Operator CONTINENTAL RESOURCES, INC.

NAD-83						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
W1	LEON 1-23-14XHM	437625	2090692	34° 32' 06.68" -97° 35' 39.36"	34.535188 -97.594268	1137.55'	1138.28'
LP-1	LANDING POINT	437996	2090484	34° 32' 10.35" -97° 35' 41.83"	34.536208 -97.594954	--	--
BHL-1	BOTTOM HOLE LOCATION	448471	2090486	34° 33' 53.97" -97° 35' 41.31"	34.564991 -97.594809	--	--
X-1	EDWARDS W.S. #1	443595	2094471	34° 33' 05.57" -97° 34' 53.90"	34.551548 -97.581640	--	--
X-2	WADE #1	448190	2090486	34° 33' 51.20" -97° 35' 41.33"	34.564221 -97.594813	--	--
X-3	EDWARDS W.S. #1	443925	2094472	34° 33' 08.84" -97° 34' 53.87"	34.552455 -97.581631	--	--
X-4	BROWNING JIM #1	444888	2091145	34° 33' 18.50" -97° 35' 33.60"	34.555139 -97.592667	--	--
X-5	EDWARDS #1	444255	2094473	34° 33' 12.10" -97° 34' 53.84"	34.553362 -97.581623	--	--
X-6	EDWARDS #1	440268	2091817	34° 32' 32.78" -97° 35' 25.79"	34.542438 -97.590498	--	--
X-7	HUTCHINSON "A" #1	440946	2094457	34° 32' 39.38" -97° 34' 54.20"	34.544272 -97.581721	--	--
X-8	TUSSY L.K. #1	442919	2094445	34° 32' 58.89" -97° 34' 54.24"	34.549691 -97.581734	--	--
X-9	EDWARDS WALTER #1	440286	2094429	34° 32' 32.85" -97° 34' 54.56"	34.542458 -97.581823	--	--
X-10	BEESON #1-23	439940	2092987	34° 32' 29.48" -97° 35' 11.82"	34.541523 -97.586617	--	--

NAD-27						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
W1	LEON 1-23-14XHM	437583	2122288	34° 32' 06.38" -97° 35' 38.26"	34.535106 -97.593961	1137.55'	1138.28'
LP-1	LANDING POINT	437953	2122079	34° 32' 10.05" -97° 35' 40.73"	34.536126 -97.594647	--	--
BHL-1	BOTTOM HOLE LOCATION	448428	2122081	34° 33' 53.67" -97° 35' 40.21"	34.564909 -97.594503	--	--
X-1	EDWARDS W.S. #1	443552	2126066	34° 33' 05.28" -97° 34' 52.80"	34.551466 -97.581334	--	--
X-2	WADE #1	448148	2122081	34° 33' 50.90" -97° 35' 40.22"	34.564140 -97.594507	--	--
X-3	EDWARDS W.S. #1	443882	2126067	34° 33' 08.54" -97° 34' 52.77"	34.552373 -97.581325	--	--
X-4	BROWNING JIM #1	444845	2122740	34° 33' 18.21" -97° 35' 32.50"	34.555057 -97.592360	--	--
X-5	EDWARDS #1	444212	2126068	34° 33' 11.81" -97° 34' 52.74"	34.553280 -97.581317	--	--
X-6	EDWARDS #1	440226	2123412	34° 32' 32.48" -97° 35' 24.69"	34.542356 -97.590191	--	--
X-7	HUTCHINSON "A" #1	440904	2126052	34° 32' 39.08" -97° 34' 53.10"	34.544190 -97.581415	--	--
X-8	TUSSY L.K. #1	442876	2126040	34° 32' 58.59" -97° 34' 53.14"	34.549609 -97.581428	--	--
X-9	EDWARDS WALTER #1	440244	2126025	34° 32' 32.55" -97° 34' 53.46"	34.542376 -97.581517	--	--
X-10	BEESON #1-23	439898	2124582	34° 32' 29.19" -97° 35' 10.72"	34.541441 -97.586311	--	--

Certificate of Authorization No. 7318

Date Staked: **--**--19

Date Drawn: 4--5--19



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	4-5-19	HOG	ISSUED FOR APPROVAL	--

