

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

API NUMBER: 051 24608

Approval Date: 04/08/2019

Expiration Date: 10/08/2020

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 4N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 309 2195

Lease Name: SINGER

Well No: 4-7-18XHW

Well will be 309 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

STEPHENSON FAMILY TRUST  
PO BOX 141  
ALEX OK 73005

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

	Name	Depth	Name	Depth
1	SYCAMORE	14114	6	
2	WOODFORD	14514	7	
3	HUNTON	14664	8	
4			9	
5			10	

Spacing Orders: 134400  
184780  
597018

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901201  
201901200  
201901196  
201901197

Special Orders:

Total Depth: 24767

Ground Elevation: 1162

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 320

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

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

PERMIT NO: 19-36319

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 BED AQUIFER

Pit Location Formation: DUNCAN

## HORIZONTAL HOLE 1

Sec 18 Twp 4N Rge 5W County GRADY

Spot Location of End Point: SW SE SE SW

Feet From: SOUTH 1/4 Section Line: 30

Feet From: WEST 1/4 Section Line: 2178

Depth of Deviation: 13791

Radius of Turn: 478

Direction: 180

Total Length: 10226

Measured Total Depth: 24767

True Vertical Depth: 15407

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

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

3/6/2019 - 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

3/6/2019 - 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](http://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](http://FRACFOCUS.ORG)

MEMO

3/6/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201901196

3/22/2019 - G58 - 7-4N-5W  
X134400 WDFD  
4 WELLS  
NO OP. NAMED  
REC 4/1/2019 (NORRIS)

This permit does not address the right of entry or settlement of surface damages.

051 24608 SINGER 4-7-18XHW

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 - 201901197	3/22/2019 - G58 - 18-4N-5W X597018 WDFD 4 WELLS NO OP. NAMED REC 4/1/2019 (NORRIS)
PENDING CD - 201901200	3/22/2019 - G58 - (I.O.) 7 & 18-4N-5W EST MULTIUNIT HORIZONTAL WELL X134400 SCMR, WDFD, HNTN X184780 SCMR, HNTN X597018 WDFD (SCMR & HNTN ARE ADJACENT CSS TO WDFD) 50% 7-4N-5W 50% 18-4N-5W NO OP. NAMED REC 4/1/2019 (NORRIS)
PENDING CD - 201901201	3/22/2019 - G58 - (I.O.) 7 & 18-4N-5W X134400 SCMR, WDFD, HNTN X184780 SCMR, HNTN X597018 WDFD X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. 7-4N-5W NCT 150' FNL, NCT 0' FSL, NCT 1320' FWL COMPL. INT. 18-4N-5W NCT 0' FNL, NCT 150' FSL, NCT 1320' FWL NO OP. NAMED REC 4/1/2019 (NORRIS)
SPACING - 134400	3/22/2019 - G58 - (640) 7-4N-5W EXT OTHERS EXT 94778 WDFD, HNTN EXT 94778/123502 SCMR, OTHER
SPACING - 184780	3/22/2019 - G58 - (640) 18-4N-5W EXT OTHERS EXT 134400/146081 SCMR, HNTN, OTHERS
SPACING - 597018	3/22/2019 - G58 - (640) 18-4N-5W EXT 590401 WDFD EXT OTHERS

This permit does not address the right of entry or settlement of surface damages.

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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: 7-4N-5W  
BHL-4 18-4N-5W



051-24608

## COVER SHEET

### CONTINENTAL RESOURCES, INC.

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

Section 7 Township 4N Range 5W I.M.

Well: SINGER 4-7-18XHW

County GRADY State OK

Well: --

Operator CONTINENTAL RESOURCES, INC.

#### NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W4	SINGER 4-7-18XHW	548519	2038649	34° 50' 25.24" -97° 45' 58.40"	34.840345 -97.766222	309' FNL / 2195' FWL (NW/4 SEC 7)	1164.46'	1161.51'
LP-4	LANDING POINT	548519	2038632	34° 50' 25.25" -97° 45' 58.60"	34.840346 -97.766278	309' FNL / 2178' FWL (NW/4 SEC 7)	--	--
BHL-4	BOTTOM HOLE LOCATION	538293	2038641	34° 48' 44.10" -97° 45' 58.78"	34.812250 -97.766326	30' FSL / 2178' FWL (SW/4 SEC 18)	--	--
X-1	SILVER STRATTON #1-6-31XH	548156	2040225	34° 50' 21.62" -97° 45' 39.50"	34.839338 -97.760973	07-04N-05W:   TD: 25,304'   677' FNL / 1,420' FEL	--	--
X-2	SINGER #1-18-7XH	538566	2036943	34° 48' 46.84" -97° 46' 19.13"	34.813011 -97.771982	18-04N-05W:   TD: 23,603'   300' FSL / 480' FWL	--	--
X-3	SINGER #2-18-7XH	538669	2040888	34° 48' 47.77" -97° 45' 31.81"	34.813268 -97.758837	18-04N-05W:   TD: 25,220'   410' FSL / 775' FEL	--	--

#### NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W4	SINGER 4-7-18XHW	548477	2070245	34° 50' 24.98" -97° 45' 57.27"	34.840273 -97.765907	309' FNL / 2195' FWL (NW/4 SEC 7)	1164.46'	1161.51'
LP-4	LANDING POINT	548477	2070228	34° 50' 24.99" -97° 45' 57.47"	34.840274 -97.765964	309' FNL / 2178' FWL (NW/4 SEC 7)	--	--
BHL-4	BOTTOM HOLE LOCATION	538252	2070237	34° 48' 43.84" -97° 45' 57.65"	34.812177 -97.766013	30' FSL / 2178' FWL (SW/4 SEC 18)	--	--
X-1	SILVER STRATTON #1-6-31XH	548114	2071821	34° 50' 21.36" -97° 45' 38.37"	34.839267 -97.760658	07-04N-05W:   TD: 25,304'   677' FNL / 1,420' FEL	--	--
X-2	SINGER #1-18-7XH	538525	2068539	34° 48' 46.58" -97° 46' 18.00"	34.812938 -97.771668	18-04N-05W:   TD: 23,603'   300' FSL / 480' FWL	--	--
X-3	SINGER #2-18-7XH	538628	2072484	34° 48' 47.50" -97° 45' 30.68"	34.813196 -97.758523	18-04N-05W:   TD: 25,220'   410' FSL / 775' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: 2-20-19  
Date Drawn: 2-19-19



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

#### REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	2-19-19	HOG	ISSUED FOR APPROVAL	--

