

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

API NUMBER: 051 24631

Approval Date: 05/10/2019

Expiration Date: 11/10/2020

Horizontal Hole  
Multi Unit  
Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2392 1636

Lease Name: HEALEY

Well No: 4-13-12XHW

Well will be 1636 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

JEREMY & ROSALIND RENEE HOWE  
2177 COUNTY STREET 2920  
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	12116	6	
2	WOODFORD	12362	7	
3			8	
4			9	
5			10	

Spacing Orders: 567315  
582004  
163257

Location Exception Orders:

Increased Density Orders: 694614  
694827

Pending CD Numbers: 201900945  
201900946

Special Orders:

Total Depth: 20276

Ground Elevation: 1186

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 330

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: CHICKASHA

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

PERMIT NO: 19-36617

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: CHICKASHA

HORIZONTAL HOLE 1

Sec 12 Twp 7N Rge 6W County GRADY

Spot Location of End Point: N2 N2 N2 NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 11886

Radius of Turn: 495

Direction: 355

Total Length: 7612

Measured Total Depth: 20276

True Vertical Depth: 12362

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

Notes:

Category

Description

DEEP SURFACE CASING

5/9/2019 - 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

5/9/2019 - 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)

INCREASED DENSITY - 694614

5/10/2019 - GB1 - 12-7N-6W  
X567315 WDFD  
4 WELLS  
CONTINENTAL RESOURCES INC  
4/12/2019

INCREASED DENSITY - 694827

5/10/2019 - GB1 - 13-7N-6W  
X582004 WDFD  
4 WELLS  
CONTINENTAL RESOURCES INC  
4/17/2019

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.

051 24631 HEALEY 4-13-12XHW

Category	Description
MEMO	5/9/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201900945	5/10/2019 - GB1 - (I.O.) 12 & 13-7N-6W X163257 MSSLM 12 & 13-7N-6W X582004 WDFD 13-7N-6W X567315 WDFD 12-7N-6W X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO WILLIAMS 4-25-24-13XHW COMPL. INT. (13-7N-6W) NCT 1320' FSL, NCT 0' FNL, NCT 660' FWL COMPL. INT. (12-7N-6W) NCT 0' FSL, NCT 150' FNL, NCT 660' FWL CONTINENTAL RESOURCES INC REC. 3/5/2019 (P. PORTER)
PENDING CD - 201900946	5/10/2019 - GB1 - (I.O.) 12 & 13-7N-6W EST MULTIUNIT HORIZONTAL WELL X163257 MSSLM 12 & 13-7N-6W X582004 WDFD 13-7N-6W X567315 WDFD 12-7N-6W (MSSLM ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 33% 13-7N-6W 67% 12-7N-6W CONTINENTAL RESOURCES INC REC. 3/5/2019 (P. PORTER)
SPACING - 163257	5/10/2019 - GB1 - (640) 12 & 13-7N-6W EXT OTHERS EXT 151109 MSSLM, OTHERS
SPACING - 567315	5/10/2019 - GB1 - (640) 12-7N-6W EST WDFD, OTHERS
SPACING - 582004	5/10/2019 - GB1 - (640) 13-7N-6W EST OTHER EXT 568015/202656 WDFD, OTHERS

EXHIBIT: A (1 of 2)  
SHEET: 8.5x14  
SHL: 13-7N-6W  
BHL-4 12-7N-6W



API 051-24631

Continental  
RESOURCES

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 13 Township 7N Range 6W I.M. Well: HEALEY 4-13-12XHW  
County GRADY State OK Well: --  
Operator CONTINENTAL RESOURCES, INC.

NAD-83						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
W4	HEALEY 4-13-12XHW	635636	2031808	35° 04' 47.09" -97° 47' 18.28"	35.079746 -97.788411	2392' FSL / 1636' FWL (SW/4 SEC 13)	1190.97' 1185.91'
LP-4	LANDING POINT	635636	2031491	35° 04' 47.09" -97° 47' 22.09"	35.079747 -97.789469	2392' FSL / 1320' FWL (SW/4 SEC 13)	-- --
BHL-4	BOTTOM HOLE LOCATION	643759	2031465	35° 06' 07.44" -97° 47' 22.20"	35.102066 -97.789501	50' FNL / 1320' FWL (NW/4 SEC 12)	-- --
X-1	MCCALLA #1-12	639848	2032610	35° 05' 28.72" -97° 47' 08.52"	35.091312 -97.785701	12-7N-6W:   TD: UNKNOWN   1,320' FSL / 2,450' FWL	-- --
X-2	HEALEY #1-12H	638727	2032474	35° 05' 17.65" -97° 47' 10.18"	35.088235 -97.786162	12-7N-6W:   TD: 16,722'   200' FSL / 2,310' FWL	-- --
X-3	SS MCCALLA #1-12HS	638805	2030689	35° 05' 18.45" -97° 47' 31.67"	35.088458 -97.792129	12-7N-6W:   TD: 16,931'   280' FSL / 525' FWL	-- --
X-4	NEWKIRK #1-13	637204	2032808	35° 05' 02.57" -97° 47' 06.21"	35.084048 -97.785057	13-7N-6W:   TD: 7,525'   1,324' FNL / 2,640' FWL	-- --
X-5	MCCALLA #1	637672	2031867	35° 05' 07.22" -97° 47' 17.52"	35.085339 -97.788200	13-7N-6W:   TD: 12,925'   855' FNL / 1,700' FWL	-- --
X-6	BIRT #1-13H	633488	2030561	35° 04' 25.86" -97° 47' 33.34"	35.073851 -97.792593	13-7N-6W:   TD: 16,140'   245' FSL / 385' FWL	-- --
X-7	BIRT #2-13-12XHS	633584	2031816	35° 04' 26.79" -97° 47' 18.24"	35.074109 -97.788399	13-7N-6W:   TD: 22,370'   340' FSL / 1,640' FWL	-- --

NAD-27						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
W4	HEALEY 4-13-12XHW	635594	2063405	35° 04' 46.85" -97° 47' 17.13"	35.079680 -97.788092	2392' FSL / 1636' FWL (SW/4 SEC 13)	1190.97' 1185.91'
LP-4	LANDING POINT	635594	2063088	35° 04' 46.85" -97° 47' 20.94"	35.079681 -97.789150	2392' FSL / 1320' FWL (SW/4 SEC 13)	-- --
BHL-4	BOTTOM HOLE LOCATION	643717	2063062	35° 06' 07.20" -97° 47' 21.05"	35.102000 -97.789182	50' FNL / 1320' FWL (NW/4 SEC 12)	-- --
X-1	MCCALLA #1-12	639805	2064207	35° 05' 28.49" -97° 47' 07.37"	35.091246 -97.785382	12-7N-6W:   TD: UNKNOWN   1,320' FSL / 2,450' FWL	-- --
X-2	HEALEY #1-12H	638685	2064071	35° 05' 17.41" -97° 47' 09.04"	35.088169 -97.785844	12-7N-6W:   TD: 16,722'   200' FSL / 2,310' FWL	-- --
X-3	SS MCCALLA #1-12HS	638763	2062286	35° 05' 18.21" -97° 47' 30.52"	35.088392 -97.791810	12-7N-6W:   TD: 16,931'   280' FSL / 525' FWL	-- --
X-4	NEWKIRK #1-13	637162	2064405	35° 05' 02.33" -97° 47' 05.06"	35.083982 -97.784739	13-7N-6W:   TD: 7,525'   1,324' FNL / 2,640' FWL	-- --
X-5	MCCALLA #1	637630	2063464	35° 05' 06.98" -97° 47' 16.37"	35.085273 -97.787881	13-7N-6W:   TD: 12,925'   855' FNL / 1,700' FWL	-- --
X-6	BIRT #1-13H	633446	2062158	35° 04' 25.62" -97° 47' 32.19"	35.073785 -97.792275	13-7N-6W:   TD: 16,140'   245' FSL / 385' FWL	-- --
X-7	BIRT #2-13-12XHS	633542	2063413	35° 04' 26.55" -97° 47' 17.09"	35.074043 -97.788081	13-7N-6W:   TD: 22,370'   340' FSL / 1,640' FWL	-- --

Certificate of Authorization No. 7318

Date Staked: \*\*--\*\*--19  
Date Drawn: 4-15-19



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	4-15-19	HOG	ISSUED FOR APPROVAL	--

