

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

API NUMBER: 051 24626

Approval Date: 05/03/2019

Expiration Date: 11/03/2020

Horizontal Hole  
Multi Unit

Oil & Gas

PERMIT TO DRILL

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

County: GRADY

SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2315 645

Lease Name: HEALEY

Well No: 2-13-12XHW

Well will be 645 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 AND 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	12177	6	
2	WOODFORD	12428	7	
3			8	
4			9	
5			10	

Spacing Orders: 163257  
567315  
582004

Location Exception Orders:

Increased Density Orders: 694614  
694827

Pending CD Numbers: 201900949  
201900950

Special Orders:

Total Depth: 20419

Ground Elevation: 1197

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 340

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: 19-36554

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 12 Twp 7N Rge 6W County GRADY

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 11952

Radius of Turn: 492

Direction: 355

Total Length: 7693

Measured Total Depth: 20419

True Vertical Depth: 12429

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

Notes:

Category

Description

DEEP SURFACE CASING

4/29/2019 - 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

INCREASED DENSITY - 694614

5/3/2019 - GB1 - 12-7N-6W  
X567315 WDFD  
4 WELLS  
CONTINENTAL RESOURCES INC  
4/12/2019

INCREASED DENSITY - 694827

5/3/2019 - GB1 - 13-7N-6W  
X582004 WDFD  
4 WELLS  
CONTINENTAL RESOURCES INC  
4/17/2019

MEMO

4/29/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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 24626 HEALEY 2-13-12XHW

Category	Description
MEMO	<p>4/29/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
PENDING CD - 201900949	<p>5/3/2019 - GB1 - (I.O.) 12 &amp; 13-7N-6W  X163257 MSSLM 12 &amp; 13-7N-6W  X582004 WDFD 13-7N-6W  X567315 WDFD 12-7N-6W  X165:10-3-28(C)(2)(B) SCMR*** MAY BE CLOSER THAN 600' TO WILLIAMS 2-25-24-13XHW  COMPL. INT. (13-7N-6W) NCT 1320' FSL, NCT 0' FNL, NCT 330' FWL  COMPL. INT. (12-7N-6W) NCT 0' FSL, NCT 150' FNL, NCT 330' FWL  CONTINENTAL RESOURCES INC  REC. 3/5/2019 (P. PORTER)</p> <p>*** S/B WDFD; CHANGED TO WDFD ON DRAFT OF INTERIM ORDER OF LOCATION EXCEPTION</p>
PENDING CD - 201900950	<p>5/3/2019 - GB1 - (I.O.) 12 &amp; 13-7N-6W  EST MULTIUNIT HORIZONTAL WELL  X163257 MSSLM 12 &amp; 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)</p>
SPACING - 163257	<p>5/3/2019 - GB1 - (640) 12 &amp; 13-7N-6W  EXT OTHERS  EXT 151109 MSSLM, OTHERS</p>
SPACING - 567315	<p>5/3/2019 - GB1 - (640) 12-7N-6W  EST WDFD, OTHERS</p>
SPACING - 582004	<p>5/3/2019 - GB1 - (640) 13-7N-6W  EST OTHER  EXT 568015/202656 WDFD, OTHERS</p>

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



API 051-24626

## 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.  
County GRADY State OK  
Operator CONTINENTAL RESOURCES, INC.

Well: HEALEY 2-13-12XHW  
Well: --

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	HEALEY 2-13-12XHW	635558	2030817	35° 04' 46.33" -97° 47' 30.21"	35.079537 -97.791724	2315' FSL / 645' FWL (SW/4 SEC 13)	1196.80'	1197.09'
LP-2	LANDING POINT	635558	2030502	35° 04' 46.34" -97° 47' 34.00"	35.079538 -97.792777	2315' FSL / 330' FWL (SW/4 SEC 13)	--	--
BHL-2	BOTTOM HOLE LOCATION	643759	2030475	35° 06' 07.46" -97° 47' 34.12"	35.102071 -97.792810	50' FNL / 330' 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								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	HEALEY 2-13-12XHW	635516	2062414	35° 04' 46.09" -97° 47' 29.06"	35.079470 -97.791405	2315' FSL / 645' FWL (SW/4 SEC 13)	1196.80'	1197.09'
LP-2	LANDING POINT	635516	2062098	35° 04' 46.10" -97° 47' 32.85"	35.079472 -97.792459	2315' FSL / 330' FWL (SW/4 SEC 13)	--	--
BHL-2	BOTTOM HOLE LOCATION	643717	2062072	35° 06' 07.22" -97° 47' 32.97"	35.102005 -97.792491	50' FNL / 330' 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: 4-12-19



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

#### REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	4-12-19	HOG	ISSUED FOR APPROVAL	--
01	4-16-19	HOG	REMOVED HEALEY 3	REV'D EXHIBIT A1, B, F, G, H & I

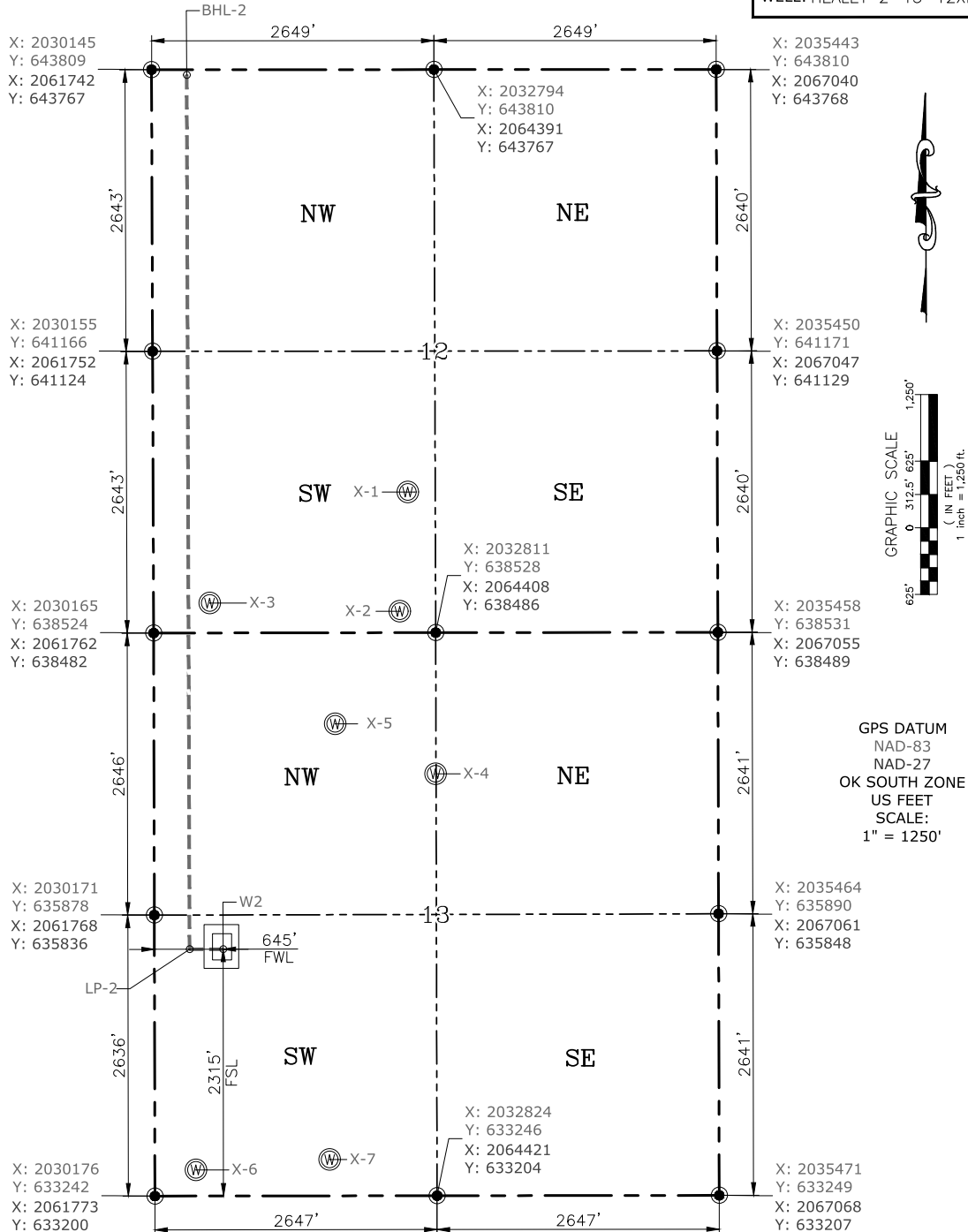
EXHIBIT: A (2 of 2)SHEET: 8.5x14SHL: 13-7N-6WBHL-2 12-7N-6W**PETRO LAND SERVICES SOUTH, LLC**10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
Certificate of Authorization No. 7318CONTINENTAL  
RESOURCES, INC.  
(OPERATOR)

GRADY

County Oklahoma

2315' FSL-645' FWL Section 13 Township 7N Range 6W I.M.

WELL: HEALEY 2-13-12XHW



CURRENT REV.: 1

Date Drawn: 4-12-19

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, **RANDALL J. BILYEU** an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.

*Randall J. Bilyeu*

Oklahoma PLS No.1196 DATE