

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

API NUMBER: 051 24628

Approval Date: 05/07/2019
Expiration Date: 11/07/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

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

County: GRADY

SPOT LOCATION: SW SE SE NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 2387 411

Lease Name: HEALEY

Well No: 6-13-12XHW

Well will be 411 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

H & H CATTLE RANCH, LLC
1879 COUNTY ROAD 1343
CHICKASHA OK 73018

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	11927	6	
2 WOODFORD	12189	7	
3		8	
4		9	
5		10	

Spacing Orders: 163257
567315
582004

Location Exception Orders:

Increased Density Orders: 694614
694827

Pending CD Numbers: 201900939
201900940

Special Orders:

Total Depth: 20107

Ground Elevation: 1147

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36570

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 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 11712

Radius of Turn: 491

Direction: 5

Total Length: 7624

Measured Total Depth: 20107

True Vertical Depth: 12189

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

5/1/2019 - 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

5/1/2019 - 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

INCREASED DENSITY - 694614

5/6/2019 - GB1 - 12-7N-6W

X567315 WDFD

4 WELLS

CONTINENTAL RESOURCES INC

4/12/2019

INCREASED DENSITY - 694827

5/6/2019 - 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.

Category	Description
MEMO	5/1/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201900939	5/6/2019 - 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 7-25-24-13XHW COMPL. INT. (13-7N-6W) NCT 1320' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (12-7N-6W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CONTINENTAL RESOURCES INC REC. 3/5/2019 (P. PORTER)
PENDING CD - 201900940	5/6/2019 - 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	5/6/2019 - GB1 - (640) 12 & 13-7N-6W EXT OTHERS EXT 151109 MSSLM, OTHERS
SPACING - 567315	5/6/2019 - GB1 - (640) 12-7N-6W EST WDFD, OTHERS
SPACING - 582004	5/6/2019 - GB1 - (640) 13-7N-6W EST OTHER EXT 568015/202656 WDFD, OTHERS
WATERSHED STRUCTURE	5/1/2019 - G71 - 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: 8.5x14
 SHL: 13-7N-6W
 BHL-6 12-7N-6W

API 051-24628



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 6-13-12XHW
 County GRADY State OK Well: --
 Operator CONTINENTAL RESOURCES, INC.

NAD-83							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W6	HEALEY 6-13-12XHW	636143	2035053	35° 04' 52.03" -97° 46' 39.22"	35.081120 -97.777561	2387' FNL / 411' FEL (NE/4 SEC 13)	1146.71' / 1147.02'
LP-6	LANDING POINT	636144	2035134	35° 04' 52.04" -97° 46' 38.25"	35.081121 -97.777292	2387' FNL / 330' FEL (NE/4 SEC 13)	-- / --
BHL-6	BOTTOM HOLE LOCATION	643760	2035113	35° 06' 07.37" -97° 46' 38.30"	35.102047 -97.777305	50' FNL / 330' FEL (NE/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
W6	HEALEY 6-13-12XHW	636101	2066650	35° 04' 51.80" -97° 46' 38.07"	35.081054 -97.777243	2387' FNL / 411' FEL (NE/4 SEC 13)	1146.71' / 1147.02'
LP-6	LANDING POINT	636102	2066731	35° 04' 51.80" -97° 46' 37.10"	35.081055 -97.776973	2387' FNL / 330' FEL (NE/4 SEC 13)	-- / --
BHL-6	BOTTOM HOLE LOCATION	643718	2066710	35° 06' 07.13" -97° 46' 37.15"	35.101981 -97.776986	50' FNL / 330' FEL (NE/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: 4-16-19



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

REVISIONS				
No.	DATE	BY	DESCRIPTION	COMMENTS
00	4-16-19	HOG	ISSUED FOR APPROVAL	--
01	4-26-19	HOG	REV'D WELL NAME	REV'D ALL SHEETS

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

PETRO LAND SERVICES SOUTH, LLC

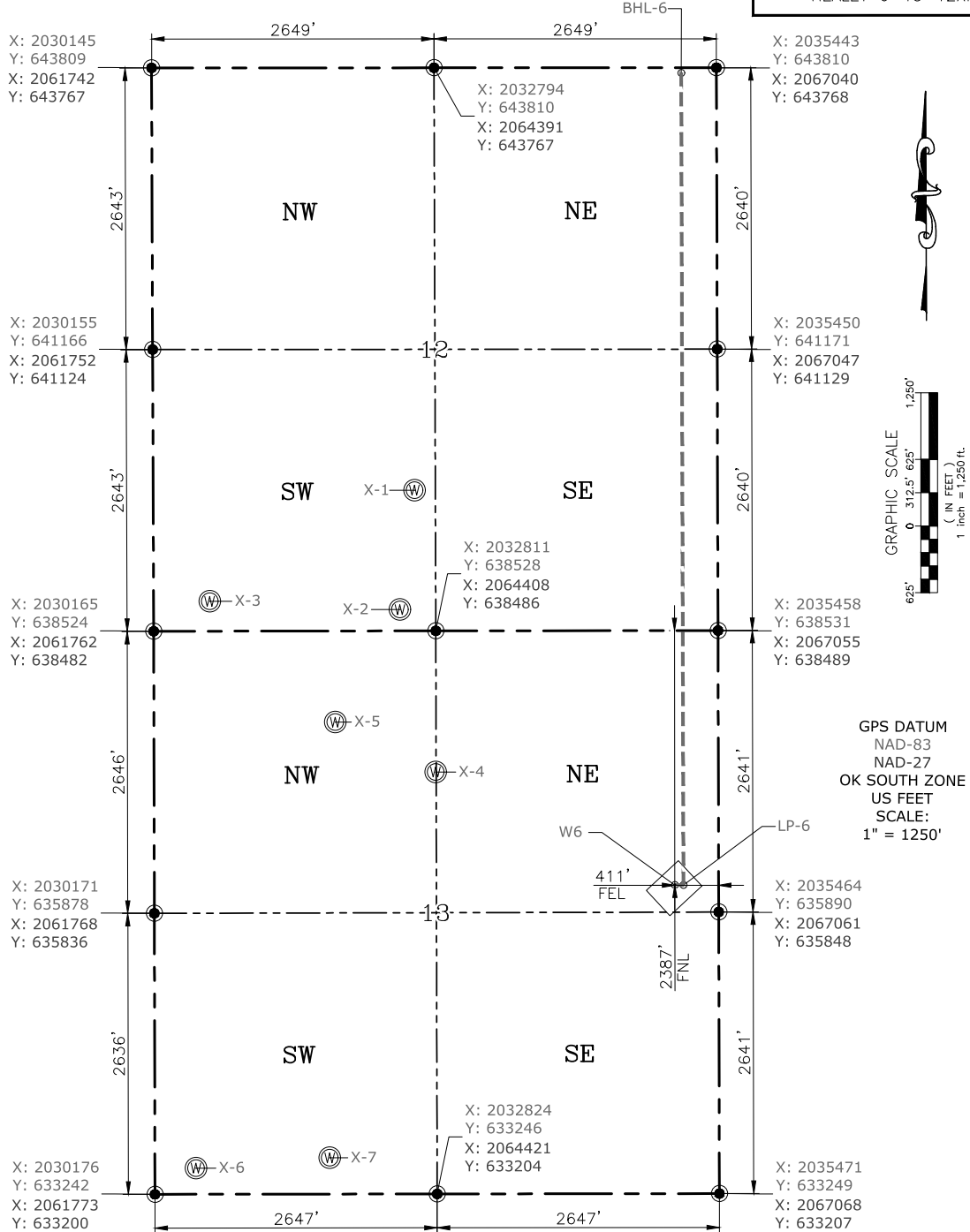
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
 Certificate of Authorization No. 7318



CONTINENTAL
 RESOURCES, INC
 (OPERATOR)

GRADY _____ County Oklahoma
 2387' FNL-411' FEL Section 13 Township 7N Range 6W I.M.

WELL: HEALEY 6-13-12XHW



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

CURRENT REV.: 1
 Date Drawn: 4-16-19

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