

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

API NUMBER: 049 25295

Approval Date: 05/13/2019
Expiration Date: 11/13/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 3N Rge: 4W County: GARVIN
SPOT LOCATION: SW NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 398 285

Lease Name: CAMPBELL 0304 Well No: 1-6WH Well will be 285 feet from nearest unit or lease boundary.
Operator Name: MARATHON OIL COMPANY Telephone: 4057205508 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY
7301 NW EXPRESSWAY STE 225
OKLAHOMA CITY, OK 73132-1590

JOE TYLER
5400 SOUTH HATTIE AVE
OKLAHOMA CITY OK 73129

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

Name	Depth	Name	Depth
1 WOODFORD	14011	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 201902532

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 19111

Ground Elevation: 1031

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 400

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: 5000 Average: 3000

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: 19-36583

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 06 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 375

Depth of Deviation: 13385

Radius of Turn: 462

Direction: 187

Total Length: 5000

Measured Total Depth: 19111

True Vertical Depth: 14011

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; 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

5/9/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 201902532

5/13/2019 - GB1 - (E.O.)(640)(HOR) 6-3N-4W
EXT 671679 WDFD, OTHERS
COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL
REC. 5/7/2019 (NORRIS)

WATERSHED STRUCTURE

5/9/2019 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 238-7233 PRIOR TO DRILLING

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

049 25295 CAMPBELL 0304 1-6WH

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-5 12-7N-6W



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 5-13-12XHW
 County GRADY State OK Well: --
 Operator CONTINENTAL RESOURCES, INC.

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION	
WS	HEALEY 5-13-12XHW	638265	2033708	35° 04' 53.27" -97° 46' 55.41"	35.081463 -97.782057	2264' FNL / 1756' FEL (NE/4 SEC 13)	1172.77'	1175.27'
LP-5	LANDING POINT	638265	2033813	35° 04' 53.26" -97° 46' 54.13"	35.081462 -97.781704	2264' FNL / 1650' FEL (NE/4 SEC 13)	--	--
BHL-5	BOTTOM HOLE LOCATION	643760	2033793	35° 06' 07.39" -97° 46' 54.18"	35.102054 -97.781718	50' FNL / 1650' 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 -97.786399	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	
WS	HEALEY 5-13-12XHW	638223	2065304	35° 04' 53.03" -97° 46' 54.26"	35.081397 -97.781739	2264' FNL / 1756' FEL (NE/4 SEC 13)	1172.77'	1175.27'
LP-5	LANDING POINT	638223	2065410	35° 04' 53.03" -97° 46' 52.99"	35.081396 -97.781385	2264' FNL / 1650' FEL (NE/4 SEC 13)	--	--
BHL-5	BOTTOM HOLE LOCATION	643718	2065390	35° 06' 07.16" -97° 46' 53.04"	35.101988 -97.781399	50' FNL / 1650' 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 SHL	REV'D EXHIBIT A1-2, B, F, G, H & I

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 13-7N-6W
BHL-5: 12-7N-6W

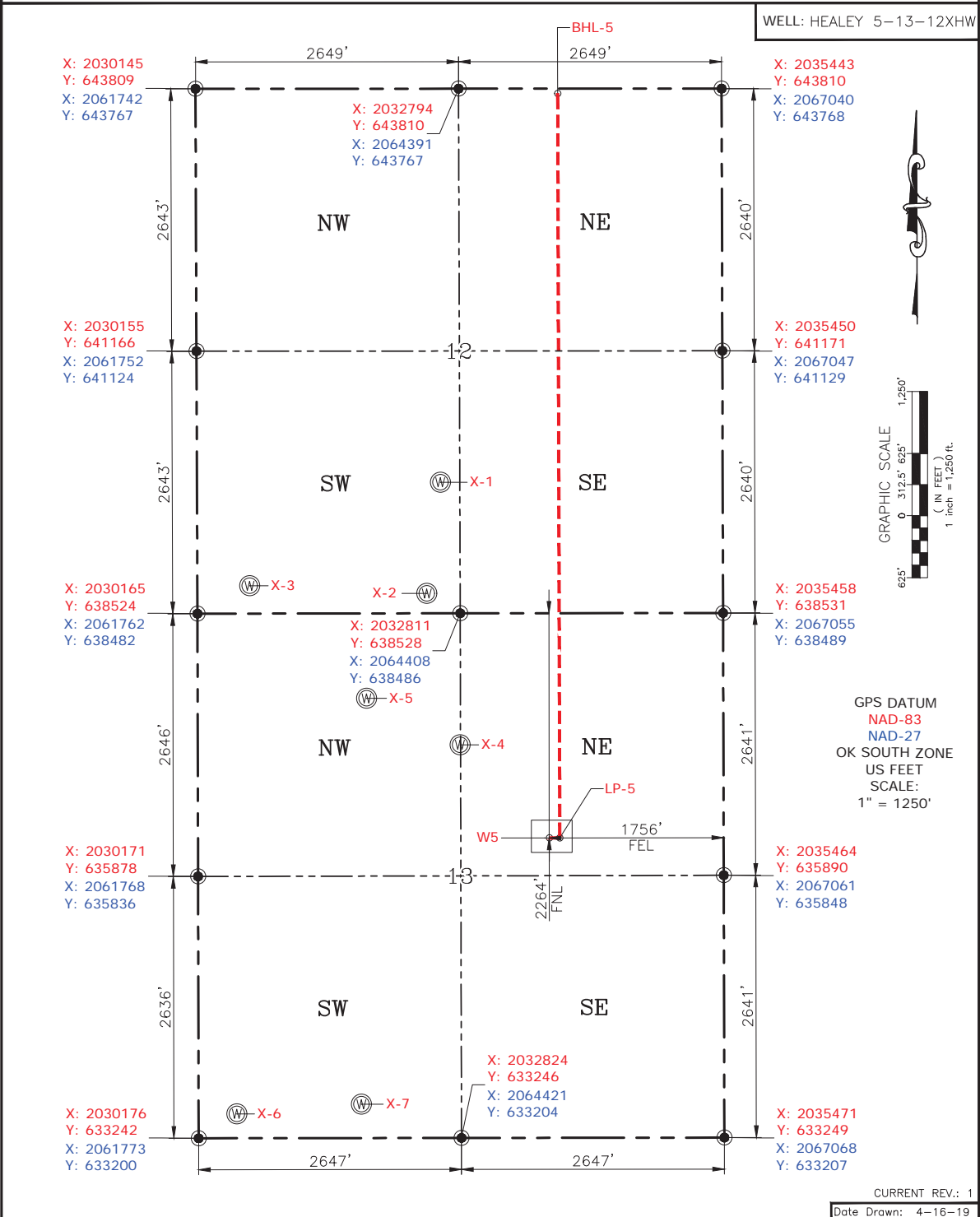
PETRO LAND SERVICES SOUTH, LLC

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



CONTINENTAL
RESOURCES, INC
(OPERATOR)

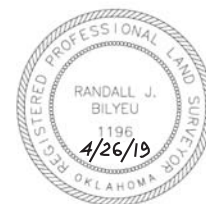
GRADY _____ County Oklahoma
2264' FNL-1756' FEL Section 13 Township 7N Range 6W I.M.



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