

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

API NUMBER: 011 24135

Approval Date: 12/07/2018
Expiration Date: 06/07/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 15N Rge: 11W County: BLAINE
SPOT LOCATION: SW SE SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 254 2231

Lease Name: REBA JO Well No: 3-13HM Well will be 254 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 269091
OKLAHOMA CITY, OK 73126-9000

JERRY D. PIERCE, TRUSTEE
ROUTE 2, BOX 160
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPI LIME	10940	6	
2	KINDERHOOK	11500	7	
3	WOODFORD	11564	8	
4			9	
5			10	

Spacing Orders: 581931

Location Exception Orders: 680755

Increased Density Orders: 678693

Pending CD Numbers:

Special Orders:

Total Depth: 15831

Ground Elevation: 1487

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 120

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: 8000 Average: 5000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 18-35932

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 13 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1870

Depth of Deviation: 10476

Radius of Turn: 477

Direction: 355

Total Length: 4606

Measured Total Depth: 15831

True Vertical Depth: 11564

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

Notes:

Category

Description

DEEP SURFACE CASING

12/4/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

12/4/2018 - G71 - 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 - 678693

12/6/2018 - G75 - 13-15N-11W
X581931 MSSLM
6 WELLS
CONTINENTAL RESOURCES, INC.
6-4-2018

INTERMEDIATE CASING

12/4/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

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
LOCATION EXCEPTION - 680755	12/6/2018 - G75 - (I.O.) 13-15N-11W X581931 MSSLM, KDRK, WDFD COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 990' FWL CONTINENTAL RESOURCES, INC. 7-27-2018
MEMO	12/4/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 581931	12/6/2018 - G75 - (640) 13-15N-11W EXT OTHER EXT 579331 MSSLM, WDFD, OTHERS EST KDRK, OTHERS

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: 8.5x11
 SHL: 13-15N-11W
 BHL-3 13-15N-11W



API 011-24135

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 15N Range 11W I.M. Well: REBA JO 3-13HM
 County BLAINE State OK Well: --
 Operator CONTINENTAL RESOURCES, INC.

NAD-83						EXISTING ELEVATION	DESIGN ELEVATION	
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W3	REBA JO 3-13HM	280195	1872531	35° 46' 09.45" -98° 19' 24.59"	35.769291 -98.323496	254' FSL / 2231' FWL (SW/4 SEC 13)	1487.26'	N/A
LP-3	LANDING POINT	280195	1872170	35° 46' 09.43" -98° 19' 28.97"	35.769287 -98.324715	254' FSL / 1870' FWL (SW/4 SEC 13)	--	--
BHL-3	BOTTOM HOLE LOCATION	285167	1872195	35° 46' 58.60" -98° 19' 28.86"	35.782946 -98.324684	50' FNL / 1870' FWL (NW/4 SEC 13)	--	--
X-1	TEMPLE UNIT #1	281260	1871625	35° 46' 19.95" -98° 19' 35.62"	35.772208 -98.326562	13-15N-11W:SW4 TD: 9,925' 1,320' FSL / 1,320' FWL	--	--
X-2	TANNER #1-13	283898	1871639	35° 46' 46.04" -98° 19' 35.56"	35.779456 -98.326545	13-15N-11W:NW4 TD: 9,926' 1,320' FSL / 1,320' FWL	--	--
X-3	HESSSEL #1	282831	1874284	35° 46' 35.57" -98° 19' 03.42"	35.776548 -98.317616	13-15N-11W:S2S2NE4 TD: 9,925' 250' FSL / 1,320' FWL	--	--
X-4	HESSSEL UNIT B-1	281262	1874938	35° 46' 20.08" -98° 18' 55.42"	35.772243 -98.315395	13-15N-11W:E2SE4 TD: 10,038' 1,320' FNL / 1,980' FWL	--	--
X-5	TANNER #1-13H	280139	1870649	35° 46' 08.83" -98° 19' 47.42"	35.769120 -98.329839	13-15N-11W:SE4SW4SW4SW4 TD: 16,455' 200' FSL / 350' FWL	--	--
X-6	REBA JO #1-13H	280180	1871124	35° 46' 09.25" -98° 19' 41.65"	35.769235 -98.328237	13-15N-11W:SW4SE4SW4SW4 TD: 15,705' 240' FSL / 825' FWL	--	--

NAD-27						EXISTING ELEVATION	DESIGN ELEVATION	
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W3	REBA JO 3-13HM	280171	1904131	35° 46' 09.29" -98° 19' 23.35"	35.769247 -98.323152	254' FSL / 2231' FWL (SW/4 SEC 13)	1487.26'	N/A
LP-3	LANDING POINT	280171	1903770	35° 46' 09.27" -98° 19' 27.73"	35.769242 -98.324370	254' FSL / 1870' FWL (SW/4 SEC 13)	--	--
BHL-3	BOTTOM HOLE LOCATION	285143	1903795	35° 46' 58.45" -98° 19' 27.62"	35.782901 -98.324339	50' FNL / 1870' FWL (NW/4 SEC 13)	--	--
X-1	TEMPLE UNIT #1	281236	1903225	35° 46' 19.79" -98° 19' 34.38"	35.772164 -98.326217	13-15N-11W:SW4 TD: 9,925' 1,320' FSL / 1,320' FWL	--	--
X-2	TANNER #1-13	283874	1903239	35° 46' 45.88" -98° 19' 34.32"	35.779411 -98.326200	13-15N-11W:NW4 TD: 9,926' 1,320' FSL / 1,320' FWL	--	--
X-3	HESSSEL #1	282807	1905884	35° 46' 35.41" -98° 19' 02.18"	35.776504 -98.317271	13-15N-11W:S2S2NE4 TD: 9,925' 250' FSL / 1,320' FWL	--	--
X-4	HESSSEL UNIT B-1	281238	1906538	35° 46' 19.92" -98° 18' 54.18"	35.772199 -98.315051	13-15N-11W:E2SE4 TD: 10,038' 1,320' FNL / 1,980' FWL	--	--
X-5	TANNER #1-13H	280115	1902249	35° 46' 08.67" -98° 19' 46.18"	35.769075 -98.329494	13-15N-11W:SE4SW4SW4SW4 TD: 16,455' 200' FSL / 350' FWL	--	--
X-6	REBA JO #1-13H	280156	1902724	35° 46' 09.09" -98° 19' 40.41"	35.769191 -98.327893	13-15N-11W:SW4SE4SW4SW4 TD: 15,705' 240' FSL / 825' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 05-21-18
 Date Drawn: 05-21-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	05-21-18	TJW	ISSUED FOR APPROVAL	--
01	10-2-18	MJL	REV. BHL LOCATION	UPDATED EXHIBIT A (1 & 2)

EXHIBIT: A (2 of 2)
 SHEET: 8.5x14
 SHL: 13-15N-11W
 BHL-3: 13-15N-11W

PETRO LAND SERVICES SOUTH, LLC

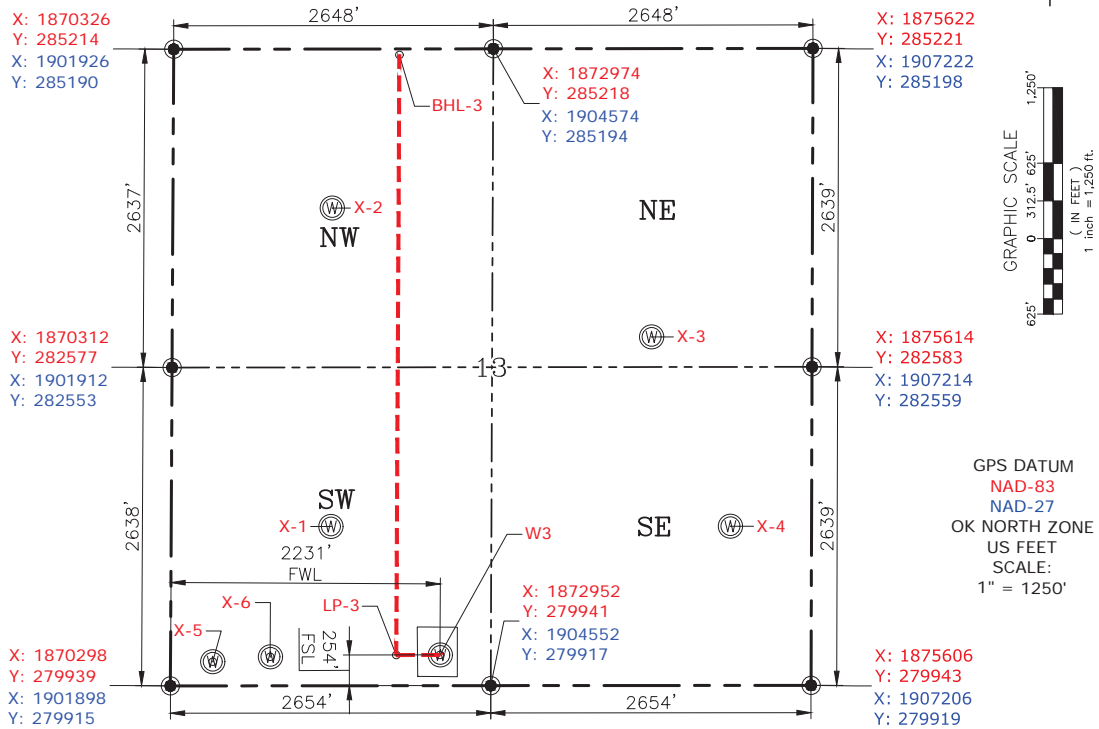
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
 Certificate of Authorization No. 7318



CONTINENTAL
 RESOURCES, INC
 (OPERATOR)

BLAINE _____ County Oklahoma
 254' FSL-2231' FWL Section 13 Township 15N Range 11W I.M.

WELL: REBA JO 3-13HM



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.

Date Staked: 05-21-18
 Date Drawn: 05-21-18

CURRENT REV.: 1



Randall J. Bilyeu

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.

Oklahoma PLS No.1196 DATE