

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

API NUMBER: 011 24160

Approval Date: 01/07/2019

Expiration Date: 07/07/2020

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 15N Rge: 11W

County: BLAINE

SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 320 727

Lease Name: REBA JO

Well No: 7-13-24XHM

Well will be 320 feet from nearest unit or lease boundary.

Operator CONTINENTAL RESOURCES INC
Name:

Telephone: 4052349020; 4052349

OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 268870
OKLAHOMA CITY, OK 73126-9000

CAROLYN J. MOORE REVOCABLE TRUST
3841 EAST 57TH STREET
TULSA OK 74135

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10000	6	
2	MISSISSIPPI LIME	10874	7	
3	KINDERHOOK	11520	8	
4	WOODFORD	11700	9	
5			10	

Spacing Orders: 581931
648028
684441

Location Exception Orders: 680949

Increased Density Orders: 678693
678694

Pending CD Numbers:

Special Orders:

Total Depth: 21144

Ground Elevation: 1524

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 80

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: 18-35934

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 24 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: S2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 10775

Radius of Turn: 409

Direction: 178

Total Length: 9726

Measured Total Depth: 21144

True Vertical Depth: 11700

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

Notes:

Category

Description

DEEP SURFACE CASING

12/29/2018 - 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

12/29/2018 - 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 - 678693

1/4/2019 - G75 - 13-15N-11W
X581931 MSSLM
6 WELLS
CONTINENTAL RESOURCES, INC.
6-4-2018

INCREASED DENSITY - 678694

1/4/2019 - G75 - 24-15N-11W
X648028 MSSP
4 WELLS
CONTINENTAL RESOURCES, INC.
6-4-2018

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.

011 24160 REBA JO 7-13-24XHM

Category	Description
INTERMEDIATE CASING	12/29/2018 - 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
LOCATION EXCEPTION - 680949	1/4/2019 - G75 - (I.O.) 13 & 24-15N-11W X581931 MSSLM, KDRK, OTHER 13-15N-11W X648028 MSSP, WDFD 24-15N-11W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (13-15N-11W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT (24-15N-11W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL CONTINENTAL RESOURCES, INC. 8-3-2018
MEMO	12/29/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 581931	1/4/2019 - G75 - (640) 13-15N-11W EXT OTHER EXT 579331 MSSLM, OTHERS EST KDRK, OTHERS
SPACING - 648028	1/4/2019 - G75 - (640) 24-15N-11W EXT 581931 WDFD, OTHERS EST MSSP
SPACING - 684441	1/4/2019 - G75 - (I.O.) 13 & 24-15N-11W EST MULTIUNIT HORIZONTAL WELL X581931 MSSLM, KDRK, OTHER 13-15N-11W X648028 MSSP, WDFD 24-15N-11W (KDRK, WDFD ADJACENT COMMON SOURCES OF SUPPLY TO MSSLM, MSSP) 50% 13-15N-11W 50% 24-15N-11W CONTINENTAL RESOURCES, INC. 10-5-2018

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 4)
SHEET: 8.5x11
SHL: 13-15N-11W
BHL-6 24-15N-11W
BHL-7 24-15N-11W



API 011-24160

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 6-13-24XHM

County BLAINE State OK

Well: REBA JO 7-13-24XHM

Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W6	REBA JO 6-13-24XHM	284900	1874864	35° 46' 56.06" -98° 18' 56.46"	35.782238 -98.315682	320' FNL / 757' FEL (NE/4 SEC 13)	1526.21	1524.459
LP-6	LANDING POINT	284900	1874521	35° 46' 56.04" -98° 19' 00.62"	35.782234 -98.316839	320' FNL / 1100' FEL (NE/4 SEC 13)	--	--
BHL-6	BOTTOM HOLE LOCATION	274710	1874470	35° 45' 15.26" -98° 19' 00.84"	35.754239 -98.316901	50' FSL / 1100' FEL (SE/4 SEC 24)	--	--
W7	REBA JO 7-13-24XHM	284900	1874894	35° 46' 56.06" -98° 18' 56.09"	35.782239 -98.315581	320' FNL / 727' FEL (NE/4 SEC 13)	1526.10	1524.459
LP-7	LANDING POINT	284901	1875291	35° 46' 56.08" -98° 18' 51.27"	35.782244 -98.314243	320' FNL / 330' FEL (NE/4 SEC 13)	--	--
BHL-7	BOTTOM HOLE LOCATION	274710	1875240	35° 45' 15.29" -98° 18' 51.50"	35.754248 -98.314306	50' FSL / 330' FEL (SE/4 SEC 24)	--	--
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	HESSEL #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	HESSEL 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	--	--
X-7	KELLY UNIT #C-1	277441	1871609	35° 45' 42.18" -98° 19' 35.67"	35.761716 -98.326575	24-15N-11W:S2S2NW4 TD: 10,100' 140' FSL / 1,320' FWL	--	--
X-8	KELLY UNIT #C-2	278623	1874088	35° 45' 53.95" -98° 19' 05.63"	35.764985 -98.318230	24-15N-11W:NE4 TD: 10,100' 1,320' FSL / 1,140' FWL	--	--
X-9	WALKER #1-24	275322	1870940	35° 45' 21.20" -98° 19' 43.69"	35.755888 -98.328804	24-15N-11W:SW4SW4 TD: 10,100' 660' FSL / 660' FWL	--	--
X-10	JALOU 1-25-36XHM	275680	1873224	35° 45' 24.82" -98° 19' 15.99"	35.756895 -98.321109	24-15N-11W:NW4NW4SW4SE4 TD: 21,390' 1,022' FSL / 2,352' FEL	--	--
X-11	JALOU 2-25-36XHM	275680	1873224	35° 45' 24.82" -98° 19' 15.99"	35.756895 -98.321109	24-15N-11W:NW4NW4SW4SE4 TD: 21,210' 1,022' FSL / 2,322' FEL	--	--
X-12	JALOU 3-25-36XHM	275452	1874835	35° 45' 22.61" -98° 18' 56.44"	35.756281 -98.315678	24-15N-11W:SE4NW4SE4SE4 TD: 20,933' 792' FSL / 770' FEL	--	--
X-13	JALOU 4-25-36XHM	275452	1874835	35° 45' 22.61" -98° 18' 56.44"	35.756281 -98.315678	24-15N-11W:SE4NW4SE4SE4 TD: 20,723' 792' FSL / 740' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: 05-03-18
Date Drawn: 05-03-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	05-03-18	MJL	ISSUED FOR APPROVAL	--
01	06-15-18	HDG	UPDATED BHL & LP	UPDATED ON ALL SHEETS
02	10-2-18	MJL	REV. BHL FOR W6	UPDATED EXHIBIT A (1 THRU 3)

EXHIBIT: A (4 of 4)

SHEET: 8.5x14

SHL: 13-15N-11W

BHL-7 24-15N-11W

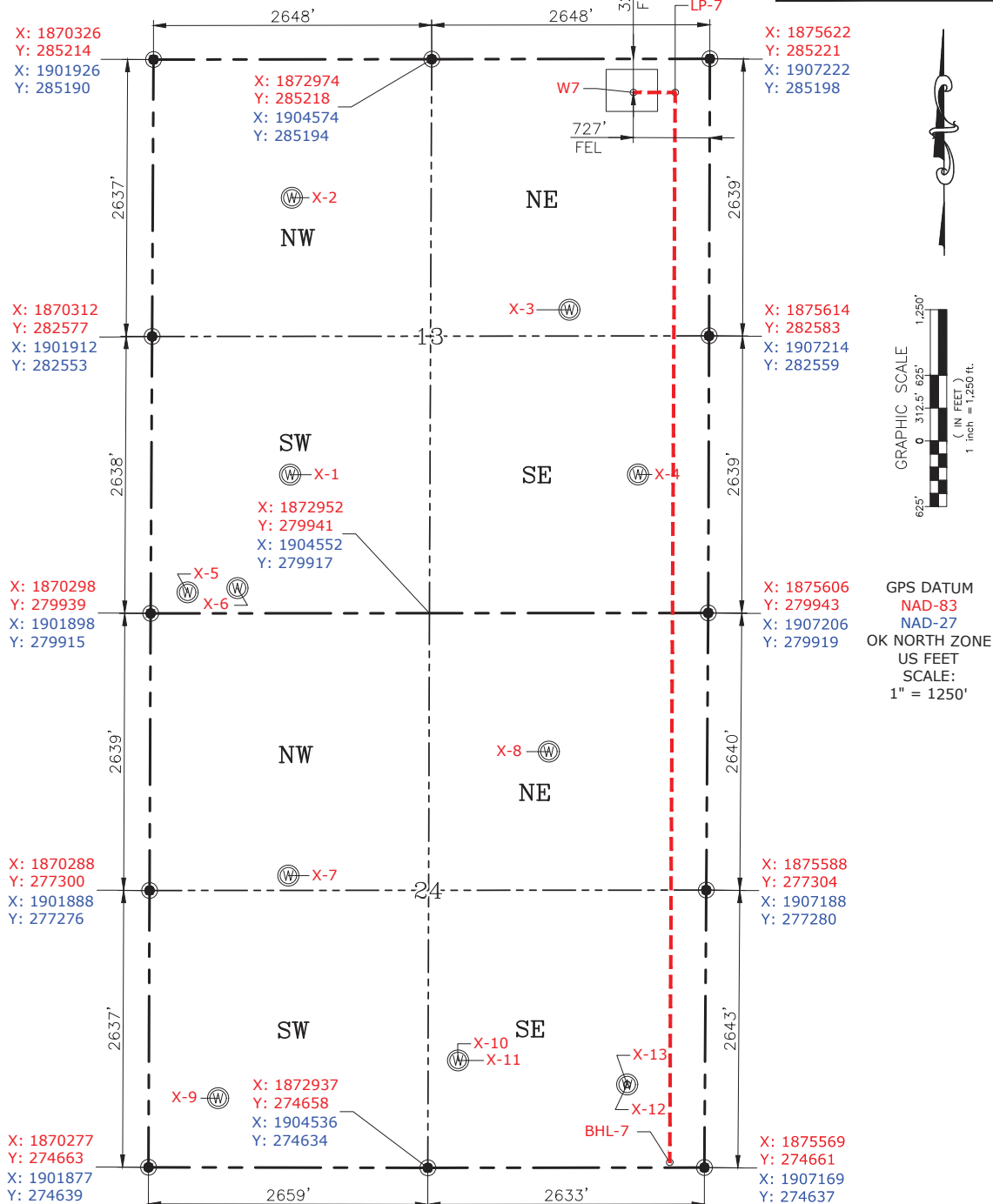
PETRO LAND SERVICES SOUTH, LLC

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

BLAINE

County Oklahoma

320' FNL-727' FEL Section 13 Township 15N Range 11W I.M.

WELL: REBA JO
7-13-24XHM

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: 05-03-18
Date Drawn: 05-03-18

CURRENT REV.: 2



Randall J. Bilyeu

Oklahoma PLS No.1196 DATE

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.